UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

OCTOBER - DECEMBER, 1988

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

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1989

PRELIMINARY DETERMINATION OF EPICENTERS

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National Earthquake Information Center

OCTOBER 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	27	33.4%	46.458 N	1.323 E	10 G			0.5	8	FRANCE. ML 2.5 (LDG).
	01	00	27	44.4	46.229 N	1.489 E	10			1.1	16	FRANCE. ML 3.1 (LDG). MD 2.9 (STR).
	01	00	32	58.0	46.285 N	1.532 E	16			1.1	18	FRANCE. ML 2.8 (LDG). MD 2.6 (STR).
	01	00	38	45.5	19.817 S	133.959 E	10 G			1.3	7	NORTHERN TERRITORY, AUSTRALIA
	01	01	12	38.2	17.003 N	62.221 W	10 G			0.6	6	LEEWARD ISLANDS. ML 2.5 (FDF).
	01	03	05	24.3&	38.793 N	122.763 W	3				17	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	01	03	48	40.3?	21.66 S	178.45 W	483 ?	4.4		0.8	14	FIJI ISLANDS REGION
	01	05	00	01.6%	46.174 N	0.663 W	10 G			1.5	8	FRANCE. ML 2.5 (LDG).
	01	06	01	17.4*	42.791 N	143.323 E	74	4.6		0.8	14	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hiroo and Kushiro; (I JMA) at Obihiro and Urokawa.
	01	06	58	36.9	35.792 N	137.493 E	10 G			0.5	11	HONSHU, JAPAN. Felt (I JMA) at Gifu.
	01	07	16	15.6&	38.798 N	122.793 W	2				13	NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK).
	01	07	32	35.1*	19.213 N	65.761 W	10 G			0.8	6	PUERTO RICO REGION
	01	08	41	55.4&	62.516 N	151.114 W	77				19	CENTRAL ALASKA. <AGS-P>.
	01	08	59	22.1*	45.137 N	28.346 E	10 G			1.3	8	SOUTHWESTERN USSR
	01	09	01	47.9?	37.00 N	15.26 E	10 G			0.5	6	SICILY. MD 2.7 (ROM).
	01	09	15	06.6	63.013 N	150.818 W	148 ?			0.3	9	CENTRAL ALASKA
a	01	09	43	24.5	35.315 S	106.048 W	10 G	5.6	5.7	1.1	175	EASTER ISLAND CORDILLERA. Ms 5.9 (BRK).
	01	10	20	57.2%	41.742 N	13.954 E	10 G			0.8	12	SOUTHERN ITALY
	01	10	35	38.0*	29.251 N	104.280 E	10 G	3.8		1.3	6	SICHUAN PROVINCE, CHINA. ML 3.4 (BJI).
	01	11	19	48.4&	50.181 N	127.915 W	35	3.9			36	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.8 (PGC). Felt at Port Alice and Port Hardy.
	01	11	21	26.0*	17.747 N	94.921 W	126 *			1.2	11	CHIAPAS, MEXICO
	01	12	46	07.2%	39.627 N	29.367 E	10 G			1.0	6	TURKEY
	01	13	09	18.3%	39.113 N	27.626 E	10 G			0.6	6	TURKEY
	01	13	15	10.4*	18.912 N	65.740 W	33 N			0.9	8	PUERTO RICO REGION
	01	13	51	46.1	31.420 S	71.835 W	10 G			1.2	8	NEAR COAST OF CENTRAL CHILE
	01	15	31	23.9?	34.14 S	68.40 W	10 G			1.0	8	MENDOZA PROVINCE, ARGENTINA
	01	16	15	51.2	41.899 N	13.750 E	26 *			1.3	12	SOUTHERN ITALY
	01	17	31	31.6	34.010 S	70.247 W	14	4.3		1.2	19	CHILE-ARGENTINA BORDER REGION
	01	17	33	57.3*	31.044 S	68.971 W	33 N			1.3	9	SAN JUAN PROVINCE, ARGENTINA
	01	17	56	27.6&	34.270 N	118.380 W	12				15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt (IV) at Burbank, Mission Hills and Sherman Oaks; (III) at Studio City; (II) at La Crescenta and Panorama City. Also felt at North Hollywood, Montrose, Pacoima, Sylmar and Van Nuys.
	01	18	45	59.7*	23.663 S	66.356 W	219 *	4.2		0.8	12	JUJUY PROVINCE, ARGENTINA
	01	19	21	23.6%	17.210 N	94.992 W	152 ?			1.3	8	CHIAPAS, MEXICO
	01	19	53	10.8	4.559 S	129.746 E	112 ?	4.9		1.1	23	BANDA SEA
	01	22	24	27.8%	38.669 N	30.593 E	5 G			1.3	8	TURKEY
	01	23	32	14.5*	38.600 N	99.578 E	10 G	3.5		1.5	9	QINGHAI PROVINCE, CHINA. ML 4.0 (BJI).
	02	00	01	56.6?	34.06 S	70.09 W	10 G			0.7	8	CHILE-ARGENTINA BORDER REGION
	02	02	02	57.2*	6.453 S	149.214 E	60 *	4.8	3.8	1.3	14	NEW BRITAIN REGION
	02	03	07	01.3?	33.76 S	72.28 W	24	3.2		0.4	10	OFF COAST OF CENTRAL CHILE
	02	04	20	45.2?	36.94 N	27.43 E	10 G			0.6	5	DODECANESE ISLANDS
	02	04	37	38.6*	34.810 S	70.469 W	20	4.6		1.2	22	CHILE-ARGENTINA BORDER REGION
a	02	06	18	08.1	22.774 S	66.261 W	238	4.9		1.1	129	JUJUY PROVINCE, ARGENTINA
	02	06	44	10.6*	51.535 N	7.172 E	10 G			1.5	15	GERMANY
	02	06	57	47.6?	51.30 N	16.05 E	10 G			0.2	5	POLAND. ML 3.3 (VKA).
	02	07	13	02.9%	46.183 N	3.003 E	10 G			0.4	6	FRANCE. ML 1.8 (LDG).
	02	07	32	41.9?	0.61 N	125.49 E	33 N	4.7		1.2	7	MOLUCCA PASSAGE
	02	07	47	06.7*	17.399 S	167.977 E	48 ?	4.5	3.9	1.0	9	VANUATU ISLANDS
	02	10	52	38.0*	17.378 S	179.671 W	442 ?	4.7		1.1	64	FIJI ISLANDS REGION
	02	11	07	53.2	52.988 N	162.809 W	33 N	4.6		1.0	40	SOUTH OF ALASKA
	02	11	24	48.5*	38.972 N	15.588 E	82 ?			1.4	10	SICILY
	02	11	45	18.9*	42.715 S	85.827 W	10 G	4.8		0.8	15	WEST CHILE RISE
	02	11	52	46.5	7.270 S	128.607 E	146	5.1		1.0	75	BANDA SEA
	02	12	55	21.1?	41.48 N	28.24 E	10 G			0.5	5	TURKEY

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	02	13	57	11 7%	38.861	N	29.171	E	10	G		1.0	12	TURKEY
	02	15	55	43 9%	18 318	N	66.240	W	10	G		0 6	5	PUERTO RICO REGION
	02	16	09	30 8	27.203	N	110.083	W	10	G	4.4	1.2	18	GULF OF CALIFORNIA
	02	16	14	10 6*	23.455	S	68.010	W	182	*		1.0	8	NORTHERN CHILE
	02	16	40	16.8%	37.756	N	25.355	W	10	G		1.1	6	AZORES ISLANDS
	02	17	39	21.4?	37.56	N	25.30	W	10	G		0.1	7	AZORES ISLANDS
	02	17	58	54.8?	10.38	S	120.46	E	33	N	3.3	1.0	6	SUMBA ISLAND REGION
	02	18	16	07.3?	18.88	N	61.89	W	10	G		0.2	6	LEEWARD ISLANDS. ML 3.6 (LDG).
	02	19	25	29.7*	3.189	S	130.754	E	33	N	4.6 3.5	1.1	20	CERAM
	02	20	43	35.1*	24.900	N	127.331	E	33	N	4.9	1.2	16	RYUKYU ISLANDS REGION
	02	21	47	10.2%	46.713	N	0.370	E	10	G		1.4	13	FRANCE. ML 2.9 (LDG).
	02	22	55	04.7?	35.98	S	178.14	E	183	*	4.7	0.7	8	OFF E. COAST OF N. ISLAND, N.Z.
	02	23	12	58.3%	38.867	N	29.252	E	5	G		1.5	12	TURKEY
	02	23	21	03.2*	7.065	S	88.619	W	10	G	4.7	0.9	20	SOUTHEAST OF GALAPAGOS ISLANDS
	03	00	12	22.7*	29.442	N	52.992	E	33	N		0.4	6	SOUTHERN IRAN. Several houses damaged at Mehranjan.
	03	00	24	50.7	38.652	N	70.758	E	41	*	4.8 4.4	1.0	92	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Garm and Nurek; (II) at Khorog, USSR.
a	03	00	45	53.4	10.272	S	161.365	E	90		5.5	0.9	166	SOLOMON ISLANDS
	03	01	32	00.0?	37.17	N	27.99	E	10	G		1.1	5	TURKEY
	03	02	16	00.0	11.650	N	61.196	W	92			0.7	26	WINDWARD ISLANDS
	03	04	06	42.8&	19.777	N	155.329	W	31				34	HAWAII. <HVO-P>. MD 4.1 (HVO). Felt at Discovery Harbor, Hilo, Kukuihaele, Orchid Land, Puna and Volcano.
	03	04	42	13.6*	30.245	S	60.760	E	10	G	5.0	0.9	12	ATLANTIC-INDIAN RISE
	03	07	53	00.8	45.057	N	6.679	E	10	G		0.9	14	FRANCE. ML 2.3 (LDG), 2.3 (GEN).
	03	09	08	14.5%	37.864	N	26.958	W	10	G		0.5	9	AZORES ISLANDS. Felt (III) at Angra da Heroismo, Agualva and Terra Cha; (II) at Praia da Vitario and Vila Nova, Terceira. Also felt at Masteiras, Sao Miguel.
	03	09	23	20.3?	38.36	N	26.52	W	10	G		0.2	8	AZORES ISLANDS
	03	09	28	13.1%	38.028	N	26.766	W	10	G		0.4	9	AZORES ISLANDS
	03	10	27	42.0%	39.650	N	27.392	E	10	G		0.8	5	TURKEY
	03	12	08	45.7	42.296	N	19.970	E	10	G		0.8	11	YUGOSLAVIA. MD 2.6 (TTG).
	03	12	40	15.2	35.979	N	27.413	E	39		4.3	1.3	83	DODECANESE ISLANDS. MD 4.5 (ATH).
	03	13	13	57.4	42.724	N	19.164	E	10	G		0.8	8	YUGOSLAVIA. ML 2.5 (TTG).
	03	13	24	51.2*	12.368	N	93.755	E	33	N	4.6	1.5	19	ANDAMAN ISLANDS REGION
	03	13	49	21.7%	39.130	N	27.665	E	10	G		1.0	5	TURKEY
	03	14	13	11.0	42.835	N	13.160	E	10	G		1.1	8	CENTRAL ITALY
	03	15	17	59.4%	15.729	N	60.464	W	24			0.3	10	LEEWARD ISLANDS. ML 3.0 (FDF).
	03	15	20	01.8?	61.86	N	7.17	E	5	G		1.3	6	SOUTHERN NORWAY. MD 2.5 (BER).
	03	15	28	41.1?	35.20	N	33.51	E	75	?		1.2	5	CYPRUS
	03	15	37	33.0&	56.656	N	142.822	W	10	G			26	GULF OF ALASKA. <AGS-P>.
	03	15	49	01.9*	39.492	N	40.129	E	10	G	4.3	1.0	10	TURKEY
	03	16	30	46.3%	44.598	N	7.411	E	10	G		0.2	5	NORTHERN ITALY. ML 2.3 (GEN).
	03	17	38	07.1*	35.682	N	26.996	E	10	G		1.2	7	CRETE
	03	18	09	40.6	34.746	N	26.674	E	63	*	3.9	1.2	25	CRETE. MD 4.2 (ATH).
	03	19	24	39.6*	36.357	S	53.004	E	10	G	5.1	0.8	24	SOUTH INDIAN OCEAN
	03	20	54	06.7	19.450	S	69.697	W	107	*	4.9	0.9	15	NORTHERN CHILE
	03	21	37	47.5*	23.996	S	68.539	W	163	?		1.3	6	NORTHERN CHILE
	03	21	45	44.3?	7.49	N	126.79	E	33	N	3.7	0.9	9	MINDANAO, PHILIPPINE ISLANDS
	03	22	02	01.0&	34.472	N	96.148	W	5	G			6	OKLAHOMA. <TUL>. mbLg 1.6 (TUL).
	04	00	34	08.2&	41.610	N	121.588	W	2	G			16	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	04	00	44	20.6%	40.674	N	30.321	E	10	G		0.5	7	TURKEY
	04	01	08	10.3	49.820	N	18.403	E	10	G		0.6	12	CZECHOSLOVAKIA. ML 3.4 (KBA), 3.2 (KRA), 3.1 (VKA). Rockburst in the Ostrava area.
	04	01	10	07.7?	38.42	N	26.47	W	10	G		0.4	6	AZORES ISLANDS
	04	02	42	45.6%	41.529	N	13.029	E	10	G		0.3	5	SOUTHERN ITALY
	04	03	52	33.8*	6.185	S	146.299	E	121	*	4.6	0.9	10	EAST PAPUA NEW GUINEA REGION
	04	08	19	35.1%	38.064	N	26.796	W	10	G		0.4	10	AZORES ISLANDS
	04	09	01	56.1%	39.116	N	27.597	E	10	G		0.5	5	TURKEY
	04	10	14	26.2	42.444	N	18.503	E	10	G		0.8	10	YUGOSLAVIA. ML 2.6 (TTG).
	04	11	03	35.0&	34.307	N	118.330	W	6	G			5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt in the Tujunga area.
	04	11	17	48.2%	15.351	N	60.559	W	31			0.6	9	LEEWARD ISLANDS. ML 2.6 (FDF).
	04	12	42	27.6*	30.234	S	69.524	W	20	*		1.0	10	CHILE-ARGENTINA BORDER REGION
	04	14	04	27.5&	38.822	N	122.808	W	4				14	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt (III) at Cobb.
	04	15	13	04.2*	55.699	S	27.647	W	33	N	5.4 5.0	1.2	24	SOUTH SANDWICH ISLANDS REGION
a	04	15	37	57.4	3.530	S	150.402	E	29	D	5.5 6.0	1.3	115	NEW IRELAND REGION. Ms 6.0 (BRK).
	04	16	42	49.1?	33.80	S	71.93	W	10	G		0.4	9	NEAR COAST OF CENTRAL CHILE
	04	17	17	37.9	37.835	N	116.035	W	5	G		1.0	18	SOUTHERN NEVADA. MD 3.0 (REN).
	04	17	29	34.4&	36.200	N	120.000	W	13				11	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	04	20	15	19.1?	38.29	N	30.49	E	10	G		0.5	5	TURKEY
	04	20	57	29.0*	35.578	N	3.795	W	10	G		1.3	7	STRAIT OF GIBRALTAR
	04	21	20	12.6?	39.70	N	143.24	E	50	?	4.4	1.2	16	OFF EAST COAST OF HONSHU, JAPAN
	04	21	21	37.2&	37.477	N	118.353	W	7				13	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.1 (REN).
	04	22	05	07.4*	35.887	N	139.223	E	33	N	4.0	1.1	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Kumagaya.
	04	22	37	48.6	43.366	N	19.816	E	10	G		1.3	22	YUGOSLAVIA. MD 3.2 (TTG).
	05	00	35	18.3*	0.189	S	124.547	E	79	?	4.6	1.3	16	MOLUCCA SEA
	05	00	38	52.2	38.690	N	87.931	W	5	G		0.5	14	SOUTHERN INDIANA. mbLg 3.4 (NEIS), 3.6 (SLM). Felt (IV) at Calhoun and Olney, Illinois. Felt (III) at Claremont, Dundas, Lawrenceville, Sumner, Wayne City and West Liberty, Illinois. Also felt (III) at Dugger, Indiana.
	05	00	42	11.0	35.505	N	3.858	W	32		3.8	1.2	43	STRAIT OF GIBRALTAR
	05	00	50	31.1	47.471	N	112.846	W	10	G		0.7	10	MONTANA. ML 3.3 (BUT).
a	05	01	00	06.9	14.776	S	167.335	E	149	D	5.4	1.1	133	VANUATU ISLANDS
	05	03	12	18.4*	0.400	S	124.756	E	114	*	4.4	0.4	8	MOLUCCA SEA
	05	04	04	58.5*	8.629	S	108.594	E	69	*	4.7	1.1	17	JAVA
	05	06	07	06.9%	10.870	N	61.731	W	33	N		0.2	6	TRINIDAD
	05	06	45	14.1&	61.671	N	151.836	W	94				32	SOUTHERN ALASKA. <AGS-P>.
	05	07	50	59.0&	34.317	N	118.325	W	5	G			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt in the

															Sunland area.
a	05	09	20	15.5	3.490	S	150.673	E	10	G	5.0	5.0	1.4	47	NEW IRELAND REGION
	05	09	44	41.4	2.009	S	128.040	E	50	*	5.1	4.8	1.2	50	CERAM SEA
	05	11	00	26.7?	44.33	N	7.36	E	10	G			0.6	4	NORTHERN ITALY. ML 1.8 (GEN)
	05	11	06	57.7?	44.31	N	7.37	E	10	G			0.7	4	NORTHERN ITALY. ML 2.0 (GEN)
	05	11	12	13.3%	39.116	N	27.599	E	10	G			0.2	5	TURKEY
	05	11	46	39.7%	39.638	N	29.449	E	10	G			0.9	6	TURKEY
	05	12	11	59.2*	12.466	S	74.038	W	46	*	4.9		1.4	40	PERU
	05	12	26	09.4%	60.691	N	5.663	E	0	G			0.5	6	SOUTHERN NORWAY. MD 2.4 (BER) Probable explosion.
	05	12	29	03.9?	61.17	N	10.19	E	10	G			0.7	4	SOUTHERN NORWAY. MD 2.2 (BER)
	05	13	51	15.6	10.869	N	43.627	W	10	G	4.9		0.7	51	NORTH ATLANTIC RIDGE
	05	14	34	22.6%	59.111	N	5.915	E	10	G			0.9	6	SOUTHERN NORWAY. MD 2.3 (BER)
	05	14	35	47.0?	44.31	N	7.37	E	10	G			0.6	4	NORTHERN ITALY. ML 2.1 (GEN).
	05	14	49	07.0?	33.94	S	70.83	W	33	N			0.9	8	CHILE-ARGENTINA BORDER REGION
	05	15	44	30.9*	50.545	N	5.514	E	10	G			0.4	5	BELGIUM
	05	17	37	57.2	4.315	S	141.596	E	48	*	4.9		1.1	31	PAPUA NEW GUINEA
	05	18	47	40.3	12.103	N	125.422	E	45	D	4.8	4.5	1.0	44	SAMAR, PHILIPPINE ISLANDS
	05	18	50	34.8?	16.76	S	73.88	W	33	N			1.5	6	NEAR COAST OF PERU
	05	19	44	29.8?	24.35	S	179.52	E	589	?	4.7		0.7	10	SOUTH OF FIJI ISLANDS
	05	21	05	41.8*	27.409	N	55.979	E	33	N	4.4		1.3	11	SOUTHERN IRAN
	05	22	33	55.5?	36.97	N	140.12	E	33	N	4.1		1.1	6	NEAR EAST COAST OF HONSHU, JAPAN
	05	23	10	30.5	3.191	N	126.784	E	33	N	5.1		1.1	53	TALAUD ISLANDS
	05	23	24	53.7*	7.465	S	129.818	E	68	?	4.5		1.5	12	BANDA SEA
	05	23	33	03.5	45.974	N	7.888	E	10	G			1.3	26	NORTHERN ITALY. ML 3.0 (LDG).
	05	23	37	08.1&	59.884	N	153.389	W	130					28	SOUTHERN ALASKA. <AGS-P>.
	05	23	37	45.7&	33.580	N	116.800	W	5					4	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	06	00	19	16.2*	1.968	N	126.995	E	33	N	4.7		1.1	9	MOLUCCA PASSAGE
	06	00	22	01.2	44.296	N	6.475	E	11				0.6	30	FRANCE. ML 2.7 (LDG).
	06	01	14	08.3*	1.865	S	129.058	E	33	N	4.1		0.9	9	HALMAHERA
	06	01	20	38.5%	40.593	N	30.211	E	10	G			0.4	8	TURKEY
	06	04	03	10.3	38.828	N	20.629	E	55	?	3.9		1.3	23	GREECE. MD 3.7 (ATH).
	06	04	19	42.4?	14.25	N	98.62	W	33	N	3.9		1.3	8	OFF COAST OF GUERRERO, MEXICO
a	06	05	32	18.3	12.277	N	141.926	E	26	D	5.2	4.4	0.9	34	SOUTH OF MARIANA ISLANDS
	06	05	38	59.5&	62.972	N	150.648	W	89					17	CENTRAL ALASKA. <AGS-P>.
	06	06	27	43.6&	37.448	N	118.352	W	8					16	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.2 (REN).
	06	07	20	18.0&	62.887	N	150.724	W	109		4.0			44	CENTRAL ALASKA. <AGS-P>. Felt (III) at Skwentna.
	06	07	28	45.4*	38.890	N	20.635	E	10	G			0.8	6	GREECE. MD 3.4 (ATH).
	06	10	53	46.2%	39.096	N	27.587	E	10	G			0.3	5	TURKEY
	06	11	05	13.7?	50.18	N	5.21	E	10	G			0.6	4	BELGIUM
	06	11	18	32.9%	41.129	N	28.479	E	10	G			0.6	6	TURKEY
	06	11	44	44.9%	39.137	N	27.644	E	10	G			0.5	5	TURKEY
	06	11	59	21.4	5.981	S	105.504	E	89	?	5.0		1.2	46	SUNDA STRAIT
	06	13	10	53.6	39.584	N	74.595	E	33	N	5.0	4.7	1.1	44	SOUTHERN XINJIANG, CHINA
	06	13	27	41.4%	45.972	N	0.246	W	5	G			1.2	7	FRANCE. ML 2.7 (LDG).
	06	13	46	23.5*	7.358	S	126.634	E	356	?	4.3		0.8	12	BANDA SEA
a	06	14	05	10.9*	3.989	S	104.263	W	10	G	4.9	5.6	1.1	45	NORTHERN EASTER I. CORDILLERA. Ms 6.0 (BRK).
	06	14	10	54.0?	6.87	S	130.49	E	93	?	3.9		1.2	11	BANDA SEA
	06	14	16	27.5?	58.25	N	6.44	E	10	G			0.6	6	SOUTHERN NORWAY. MD 2.5 (BER).
	06	15	59	46.6%	34.018	S	70.145	W	10	G			0.3	10	CHILE-ARGENTINA BORDER REGION
	06	16	27	16.8	42.288	N	19.910	E	10	G			1.0	7	YUGOSLAVIA. ML 2.5 (TTG).
	06	17	37	22.4	34.676	N	24.023	E	51	*	4.3		0.8	20	CRETE. MD 4.2 (ATH).
	06	18	22	54.9	39.577	N	74.501	E	33	N	4.9	4.2	1.3	66	SOUTHERN XINJIANG, CHINA
	06	18	23	47.5*	6.871	N	73.067	W	157	D	4.0		1.1	15	NORTHERN COLOMBIA
	06	18	42	21.0*	14.841	S	167.201	E	105	*	4.5		1.3	21	VANUATU ISLANDS
	06	19	39	04.3*	5.982	N	126.005	E	91	?	4.5		1.1	17	MINDANAO, PHILIPPINE ISLANDS
	06	22	30	08.8	10.481	S	123.481	E	33	N	5.1		1.1	27	TIMOR
	06	22	42	41.0	44.670	N	6.865	E	7				0.5	22	FRANCE. ML 2.8 (LDG), 2.7 (GEN).
	07	00	12	23.1	15.241	N	61.480	W	148	*			1.0	26	LEEWARD ISLANDS
	07	01	23	30.4*	42.798	N	12.972	E	10	G			0.3	5	CENTRAL ITALY
	07	02	03	54.8	37.727	N	15.035	E	10	G			0.6	6	SICILY
	07	02	41	25.9	24.091	S	66.879	W	199		4.0		1.3	19	SALTA PROVINCE, ARGENTINA
	07	02	55	38.7	3.149	S	137.278	E	33	N	5.3	4.5	0.8	22	WEST IRIAN
	07	03	48	17.6	43.301	N	0.665	W	10	G			1.4	15	PYRENEES. ML 3.3 (LDG). Felt (IV) in the Bearn region, France.
	07	06	24	28.3	34.931	N	139.214	E	10	G			0.2	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Ajira; (I JMA) at Tateyama and an Oshima.
	07	06	32	45.7*	34.930	N	139.186	E	10	G			0.4	5	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) an Oshima; (I JMA) at Ajira and Tateyama.
	07	06	37	24.0*	21.094	S	69.230	W	212	?			1.5	11	NORTHERN CHILE
	07	07	46	17.2?	2.20	S	136.68	E	33	N	5.2		1.1	13	WEST IRIAN REGION
	07	08	34	32.0*	24.875	S	70.961	W	33	N	4.0		1.3	13	NEAR COAST OF NORTHERN CHILE
	07	09	04	56.5&	34.030	N	116.760	W	12					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	07	09	16	13.2?	6.18	S	107.36	E	178	?	4.6		0.8	12	JAVA
	07	09	37	26.6?	39.02	N	29.87	E	10	G			1.3	4	TURKEY
	07	09	44	00.6?	16.16	S	75.20	W	10	G			1.5	6	OFF COAST OF PERU
	07	10	00	23.5?	51.64	N	16.29	E	10	G			0.5	6	POLAND. ML 3.7 (VKA).
	07	10	13	44.2*	41.879	N	69.473	E	33	N	4.2		1.2	10	KIRGHIZ SSR
	07	10	55	22.2%	39.105	N	27.603	E	10	G			0.1	5	TURKEY
	07	11	00	09.0&	61.185	N	148.832	W	36					38	SOUTHERN ALASKA. <AGS-P>. ML 3.1 (PMR).
	07	13	09	20.1%	33.249	S	70.754	W	33	N			1.5	11	CHILE-ARGENTINA BORDER REGION
	07	13	21	34.2*	23.881	S	179.956	E	594	?	5.0		0.8	34	SOUTH OF FIJI ISLANDS
	07	13	46	38.4*	32.477	S	71.594	W	21				0.5	11	NEAR COAST OF CENTRAL CHILE
	07	14	36	19.4%	38.052	N	4.485	W	10	G			1.0	5	SPAIN. MG 2.7 (MDD).
	07	14	48	18.2*	27.785	N	56.535	E	33	N	4.4		1.1	10	SOUTHERN IRAN
	07	15	17	00.4*	61.378	S	37.758	W	10	G	5.1		1.1	22	SCOTIA SEA
	07	15	36	57.1%	60.596	N	4.760	E	0	G			0.5	7	SOUTHERN NORWAY. MD 2.0 (BER). Probable explosion.
	07	17	30	51.3*	6.425	S	149.028	E	10	G	4.2		1.4	5	NEW BRITAIN REGION
	07	18	10	38.3	17.676	S	178.554	W	534	*	5.3		0.8	92	FIJI ISLANDS REGION
	07	18	12	25.6	3.365	S	138.692	E	73	*	4.8		1.2	28	WEST IRIAN
	07	18	37	25.2?	41.19	N	28.73	E	10	G			0.1	5	TURKEY
	07	18	41	36.4	10.680	S	166.018	E	205	*	4.7		0.8	42	SANTA CRUZ ISLANDS
	07	19	45	31.4*	33.088	S	72.050	W	10	G			0.4	11	OFF COAST OF CENTRAL CHILE
	07	21	58	58.9*	34.208	N	23.574	E	33	N	4.0		1.1	8	CRETE. ML 4.0 (ATH).

	07	22 33 18.7?	42 50	S	85 73	W	10	G	4 7		1 0	9	WEST CHILE RISE
	07	23 43 45.7*	4 143	N	126 824	E	33	N	4 7	4 4	1 3	23	TALAUD ISLANDS
a	08	02 19 37.1	53.702	N	163.067	W	33	N	5 0	4 5	1 0	125	UNIMAK ISLAND REGION
	08	02 57 49.6%	40.355	N	28.249	E	10	G			0 7	7	TURKEY
	08	03 38 13.1&	58 325	N	153 796	W	83					26	KODIAK ISLAND REGION. <AGS-P>.
f	08	04 46 24.5	18 771	S	172.415	W	35	G	6 6	6.8	1 0	500	TONGA ISLANDS REGION. Ms 6.8 (BRK), 6 5 (PAS). Felt (IV) throughout Somoo. Felt on Raoul Island, Kermadec Islands. Two events about 6 seconds apart. Depth from broadband displacement seismograms, based on first event.
	08	05 56 33.5?	51.29	N	6 43	E	10	G			0.4	5	GERMANY
	08	06 20 03.7	35.144	N	23.305	E	33	N	4.4		1.3	64	CRETE ML 4 8 (ATH).
	08	07 34 17.6	19.012	S	172.346	W	31	D	5.4		0.8	82	TONGA ISLANDS REGION
	08	07 40 26.8%	43.044	N	7.332	W	5	G			1.3	5	SPAIN. MG 2.7 (MDD). Felt (IV) at Costroverde.
	08	07 44 02.8?	1.32	S	138.03	E	33	N	4.9		1.0	13	NEAR N. COAST OF WEST IRIAN
	08	10 18 20.7*	4.565	S	104.908	W	10	G	4.7		1.0	37	NORTHERN EASTER I. CORDILLERA
	08	11 07 12.1%	60.689	N	5.672	E	0	G			0.4	6	SOUTHERN NORWAY. MD 2.2 (BER). Probable explosion.
	08	11 56 07.6%	39.604	N	29.351	E	10	G			0.2	5	TURKEY
	08	11 57 04.5?	39.73	N	29.67	E	10	G			0.4	4	TURKEY
	08	12 15 32.9?	39.25	N	27.79	E	10	G			0.1	4	TURKEY
	08	14 20 30.9%	39.086	N	27.632	E	10	G			0.5	5	TURKEY
	08	14 33 02.9?	32.97	S	71.24	W	10	G			0.9	9	NEAR COAST OF CENTRAL CHILE
o	08	14 39 51.1	28.716	N	130.122	E	48		5.2	4.9	1.2	113	RYUKYU ISLANDS. Felt (II JMA) at Naze.
	08	16 08 35.5*	28.104	N	54.287	E	51	?	4.1		1.1	7	SOUTHERN IRAN
	08	16 56 07.7	4.075	N	126.552	E	33	N	5.0		0.9	27	TALAUD ISLANDS
	08	17 32 10.4*	23.762	S	179.898	E	564	?	4.8		1.1	48	SOUTH OF FIJI ISLANDS
	08	17 57 23.2*	4.195	N	126.590	E	33	N	4.4		0.5	12	TALAUD ISLANDS
	08	19 07 03.6*	32.844	S	70.297	W	99	?			0.4	12	CHILE-ARGENTINA BORDER REGION
	08	20 07 22.8	39.813	N	30.481	E	10	G			0.9	9	TURKEY
	08	21 00 46.8?	39.69	N	33.50	E	10	G			1.5	9	TURKEY
	08	21 14 20.1&	36.100	N	117.860	W	6	G				45	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.5 (PAS), 4.1 (BRK). Felt in the Little Lake area, California. Felt (II) at Olancha, California.
	08	21 16 49.1*	4.726	N	127.339	E	33	N	4.6		0.8	11	TALAUD ISLANDS
	08	21 26 06.0&	36.100	N	117.860	W	6	G				37	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS), 3.4 (BRK).
	08	21 27 41.4&	34.030	N	116.760	W	12					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
a	08	21 32 02.8	4.189	N	126.544	E	31	D	5.6	5.4	1.1	137	TALAUD ISLANDS
	08	22 06 26.5	33.284	N	139.031	E	202		5.0		1.1	142	SOUTH OF HONSHU, JAPAN. Felt (I JMA) at Tateyama.
	08	23 25 50.7*	38.261	N	21.653	E	10	G			0.8	6	GREECE. ML 3.2 (ATH).
	08	23 39 33.1*	17.086	S	71.499	W	91	*	4.6		1.4	27	NEAR COAST OF PERU. Felt (III) at Arequipa.
	08	23 55 47.8?	3.98	N	126.18	E	33	N	4.4		0.7	7	TALAUD ISLANDS
	09	00 15 58.3?	5.28	S	148.35	E	33	N	3.8		1.3	8	NEW BRITAIN REGION
a	09	00 30 00.6	30.531	N	137.702	E	493		5.1		0.8	182	SOUTH OF HONSHU, JAPAN
	09	01 08 46.2?	4.27	N	126.89	E	33	N	4.8	3.7	1.0	10	TALAUD ISLANDS
	09	01 51 16.5%	39.217	N	28.788	E	10	G			0.7	5	TURKEY
	09	02 57 49.0*	16.797	N	60.775	W	10	G			0.8	10	LEEWARD ISLANDS. ML 2.8 (FDF).
	09	03 15 14.6%	28.339	S	119.528	E	10	G			1.1	6	WESTERN AUSTRALIA
a	09	04 16 55.2	4.157	N	126.579	E	48	D	5.4	4.6	1.0	112	TALAUD ISLANDS
	09	05 10 33.3*	22.382	S	67.508	W	33	N			1.0	5	CHILE-BOLIVIA BORDER REGION
	09	05 35 43.2?	3.98	N	126.49	E	62	?	4.1		1.5	8	TALAUD ISLANDS
	09	05 56 52.7?	4.21	N	126.77	E	33	N	4.6		0.9	10	TALAUD ISLANDS
	09	06 08 15.8	51.733	N	16.320	E	11				1.0	20	POLAND. ML 4.0 (KBA). mbLg 3.7 (DOU).
	09	08 00 31.0&	38.459	N	118.343	W	9					20	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.5 (REN).
	09	08 03 01.5	44.821	N	150.109	E	97	D	4.9		1.1	84	KURIL ISLANDS REGION
	09	09 22 45.9	0.031	N	123.417	E	150	G	4.7		0.7	14	MINAHASSA PENINSULA
	09	11 27 00.8&	34.530	N	116.430	W	6	G				19	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	09	12 03 18.7?	38.38	N	76.03	E	10	G	4.6		1.0	6	SOUTHERN XINJIANG, CHINA
	09	12 47 15.6&	34.740	N	117.670	W	6	G				28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	09	14 14 30.7?	25.57	N	109.67	W	10	G	3.9		1.0	12	GULF OF CALIFORNIA
	09	14 23 55.0*	6.872	S	145.915	E	33	N	3.2		1.3	6	PAPUA NEW GUINEA
	09	14 36 55.4%	39.564	N	29.414	E	10	G			0.3	5	TURKEY
	09	16 08 04.5	35.762	N	26.815	E	86		4.4		1.3	92	CRETE
	09	16 14 16.6	7.348	S	146.566	E	143		5.1		1.0	74	EAST PAPUA NEW GUINEA REGION
a	09	17 03 53.0	35.942	S	103.212	W	10	G	5.3	4.7	1.1	72	SOUTHERN PACIFIC OCEAN
	09	19 01 58.0?	50.84	N	14.34	E	10	G			1.3	5	CZECHOSLOVAKIA. ML 3.7 (VKA), 3.4 (KBA).
	09	19 03 33.0*	14.697	N	92.149	W	84	*	4.5		1.3	46	NEAR COAST OF CHIAPAS, MEXICO
	09	19 34 55.0?	34.44	N	22.56	E	33	N	4.0		1.5	6	MEDITERRANEAN SEA. ML 4.1 (ATH).
	09	21 39 38.3%	15.942	N	61.047	W	10	G			0.3	5	LEEWARD ISLANDS. ML 2.2 (FDF).
	09	22 05 00.0	24.683	N	94.693	E	35	*	4.5		1.1	24	BURMA-INDIA BORDER REGION
	09	22 32 55.7*	18.169	S	173.044	W	33	N	4.9		0.4	14	TONGA ISLANDS
	09	22 41 07.7	9.671	S	108.753	E	26	D	5.1	5.2	1.2	82	SOUTH OF JAVA
	09	23 54 12.4%	14.916	N	61.236	W	137	?			0.9	11	WINDWARD ISLANDS
	10	00 19 19.6&	40.352	N	124.563	W	16					10	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK).
	10	01 41 06.3	13.004	N	88.647	W	92		4.8		1.3	50	EL SALVADOR. Felt (III) at San Salvador.
	10	02 05 36.4*	6.764	S	149.287	E	42	*	3.9		1.3	19	NEW BRITAIN REGION
	10	02 13 45.3?	11.05	N	61.78	W	33	N			0.4	5	WINDWARD ISLANDS
	10	02 27 05.3%	17.911	N	98.676	W	33	N			0.9	6	GUERRERO, MEXICO
	10	04 02 29.3	16.017	N	61.051	W	30				0.3	14	LEEWARD ISLANDS. ML 2.8 (FDF).
	10	04 19 50.9?	38.64	N	74.15	E	33	N	4.6		1.0	12	TAJIK-XINJIANG BORDER REGION
	10	05 34 19.7%	32.993	S	71.229	W	33	N			0.5	11	NEAR COAST OF CENTRAL CHILE
	10	05 42 20.7?	6.09	N	126.18	E	33	N	4.6		0.9	15	MINDANAO, PHILIPPINE ISLANDS
a	10	05 52 10.4	42.639	N	144.448	E	57	G	5.8		0.9	371	HOKKAIDO, JAPAN REGION. Felt (IV JMA) at Kushira and Nemura; (III JMA) at Obihira and Hiraa; (II JMA) at Urakawa and Abashiri; (I JMA) at Tomakomai, Muroran and Hakodate. Felt (III JMA) at Hachinohe; (II JMA) Aomori, Miyako and Ofunato; (I JMA) at Mariaka, Ishinomaki and Fukushima, Honshu. Also felt at Sendai, Honshu. Felt (IV) at Yuzhno-Kurilsk, Kuril Islands. Depth from broadband displacement seismograms.
	10	06 13 09.5&	61.219	N	152.017	W	10					30	SOUTHERN ALASKA. <AGS-P>. ML 3.0 (PMR).
a	10	06 31 28.0	13.704	S	166.364	E	37	*	5.3	5.2	1.1	115	VANUATU ISLANDS. Ms 5.6 (BRK).
	10	06 56 28 0	44 691	N	147.744	E	126	D	4.9		0.8	88	KURIL ISLANDS

a	10	07	19	22 2	22 778	S	171 846	E	37	D	5 7 5.4	1.0	142	LOYALTY ISLANDS REGION Ms 5 8 (BRK)
	10	07	35	29 0?	22 78	S	170 84	E	33	N	4.7	0.8	6	LOYALTY ISLANDS REGION
	10	09	04	28 9*	32 289	S	178 220	W	33	N	4.7	0.8	16	SOUTH OF KERMADEC ISLANDS
	10	10	01	49 2?	5.47	S	148 03	E	33	N	4.2	1.2	8	NEW BRITAIN REGION
	10	10	10	57 3*	5.957	S	147.708	E	68	*	4.5	1.3	16	EAST PAPUA NEW GUINEA REGION
	10	10	27	16 5*	23.811	N	121 825	E	33	N	3.8	1.5	10	TAIWAN
	10	10	31	14.9*	13.872	S	165.853	E	55	*	5.0	1.1	17	VANUATU ISLANDS
	10	10	42	51 6%	39.711	N	29.541	E	10	G		0.7	6	TURKEY
	10	11	05	52 0?	39.58	N	29 61	E	10	G		0.3	5	TURKEY
	10	11	13	35.8*	38.474	N	21.225	E	26	*		1.3	11	GREECE. MD 3.5 (ATH).
	10	11	50	39.2*	10.572	S	116 935	E	33	N	3.9	0.9	8	SOUTH OF SUMBAWA ISLAND
	10	11	59	08.5*	6.025	S	128 046	E	402	*	4.5	0.9	15	BANDA SEA
	10	12	34	57.2	38.627	N	31.085	E	15			0.9	21	TURKEY
	10	14	35	03.2?	53.49	N	162.76	W	50	?	4.3	1.1	12	SOUTH OF ALASKA
	10	15	20	27.6?	24.23	S	178.68	W	504	?	4.9	0.7	23	SOUTH OF FIJI ISLANDS
	10	16	21	10.1?	17 58	N	61.99	W	10	G		0.2	5	LEEWARD ISLANDS. ML 3 2 (FDF).
	10	17	40	26.3%	37.176	N	3.887	W	10	G		0.4	6	SPAIN
	10	17	41	42.6%	37.292	N	3.930	W	10	G		0.8	5	SPAIN
	10	18	13	42 6	10.015	S	123.088	E	80	*	5.2	1.2	39	TIMOR
f	10	18	20	25.0	28.644	S	177.553	W	28	G	6.5 6.0	1.0	411	KERMADEC ISLANDS REGION. Ms 6.0 (BRK). Felt on Raoul Island. Depth from broadband displacement seismograms. A strong, high-frequency secondary arrival is observed on many of the broadband seismograms about 17 seconds after P. This may be a second event.
a	10	19	26	41.5	5.824	S	103.142	E	36	D	5.5 5.2	0.9	142	SOUTHERN SUMATERA
	10	20	40	29.5&	32.520	N	118.190	W	6	G			20	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.7 (PAS).
	10	20	50	57.2*	10.436	S	117.071	E	39	*	4.6	1.4	16	SOUTH OF SUMBAWA ISLAND
	11	00	34	56.7*	39.194	N	29.426	E	10	G		1.5	11	TURKEY
	11	01	06	36.2	7.571	S	145.001	E	17		4.3	1.3	13	NEAR S COAST OF PAPUA NEW GUINEA
	11	01	45	39.3*	39.332	N	74.326	E	33	N	4.1	1.6	5	SOUTHERN XINJIANG, CHINA
	11	01	53	15.8	25.614	S	179.656	E	537	?	5.3	1.1	71	SOUTH OF FIJI ISLANDS
	11	04	20	00.7	37.362	N	20.856	E	48		4.5	1.1	43	IONIAN SEA. MD 3.9 (ATH).
	11	04	36	02.9	44.300	N	6.439	E	13			0.5	29	FRANCE. ML 2.6 (LDG).
	11	05	18	29.6?	16.83	S	72.92	W	10	G		1.0	5	NEAR COAST OF PERU. Felt (II) at Arequipa.
	11	05	24	05.2%	16.109	N	61.284	W	10	G		0.1	5	LEEWARD ISLANDS. ML 2.0 (FDF).
	11	05	49	28.0*	20.768	S	70.203	W	33	N		1.1	6	NEAR COAST OF NORTHERN CHILE
	11	06	25	31.4?	25.15	S	179.30	E	602	?	4.8	0.8	27	SOUTH OF FIJI ISLANDS
	11	07	42	32.7%	15.137	N	60.600	W	10	G		0.8	6	LEEWARD ISLANDS. ML 2.7 (FDF).
	11	09	43	20.0*	13.435	S	166.986	E	33	N	4.7	1.5	14	VANUATU ISLANDS
	11	10	17	18.2*	45.277	N	7.532	E	10	G		0.2	5	NORTHERN ITALY. ML 2.3 (GEN).
	11	11	52	57.8*	6.745	S	122.144	E	210	*	4.1	1.1	12	FLORES SEA
	11	12	08	48.3%	39.640	N	29.420	E	10	G		0.7	7	TURKEY
	11	12	30	28.5%	39.626	N	29.413	E	10	G		0.8	7	TURKEY
	11	13	30	07.1&	40.413	N	125.583	W	5	G	4.4		44	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.2 (BRK).
	11	14	08	16.5	36.331	N	71.030	E	231	*	4.3	1.0	22	AFGHANISTAN-USSR BORDER REGION
	11	14	38	45.0%	59.008	N	5.936	E	10	G		0.4	6	SOUTHERN NORWAY. MD 2.3 (BER).
	11	15	20	27.6&	57.228	N	153.021	W	43		4.9		67	KODIAK ISLAND REGION. <AGS-P>. ML 4.3 (PMR).
	11	15	52	53.3%	41.219	N	28.951	E	10	G		0.5	7	TURKEY
	11	16	15	47.9%	61.749	N	7.470	E	10	G		0.9	7	SOUTHERN NORWAY. MD 2.5 (BER).
	11	16	57	31.7%	60.681	N	5.670	E	0	G		0.4	6	SOUTHERN NORWAY. MD 2.2 (BER). Probable explosion.
	11	22	48	18.1&	59.879	N	153.496	W	128				16	SOUTHERN ALASKA. <AGS-P>.
	12	00	01	03.6?	50.04	S	113.98	E	10	G	4.9 3.8	1.0	9	SOUTHEAST INDIAN RISE
	12	00	44	35.2%	39.602	N	27.843	E	10	G		1.2	8	TURKEY
	12	01	05	52.2*	22.970	S	66.679	W	33	N		0.7	5	JUJUY PROVINCE, ARGENTINA
	12	02	17	41.3	43.578	N	21.115	E	10	G		1.0	13	YUGOSLAVIA. Felt (V) in the Krusevac area.
a	12	03	27	00.6	43.997	N	148.604	E	66		5.4	1.0	204	KURIL ISLANDS REGION. Felt (I JMA) at Nemuro and Kushiro, Hokkaido.
	12	06	24	23.9	44.083	N	11.783	E	10	G		1.2	37	NORTHERN ITALY. ML 4.0 (KBA), 3.5 (LDG). MD 3.6 (TRI).
	12	07	03	31.9?	18.10	N	101.10	W	33	N		1.4	7	GUERRERO, MEXICO
	12	08	20	12.9*	39.436	N	142.632	E	59	*	4.6	1.3	38	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Miyako and Ofunato; (I JMA) at Ishinomaki and Mariako.
	12	09	13	13.4?	40.44	N	141.48	E	33	N	4.1	1.4	4	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Morioka and Miyako.
a	12	09	27	35.4	15.989	N	92.613	W	172		5.2	1.1	72	MEXICO-GUATEMALA BORDER REGION
	12	10	11	46.0&	35.883	N	98.075	W	5	G			10	OKLAHOMA. <TUL>. mbLg 2.1 (TUL).
	12	10	30	21.0%	61.703	N	7.498	E	10	G		0.7	5	SOUTHERN NORWAY. MD 2.6 (BER).
	12	10	46	06.1	24.823	N	121.800	E	113		4.9	0.9	40	TAIWAN
	12	10	54	52.2?	58.06	N	11.30	E	10	G		0.9	4	SWEDEN. MD 2.6 (BER).
	12	12	07	17.1*	11.104	S	161.636	E	33	N	4.2	0.6	6	SOLOMON ISLANDS
	12	12	19	14.8	41.248	N	19.357	E	10	G		1.1	11	ALBANIA. ML 2.8 (TTG).
	12	12	27	35.9%	39.614	N	29.380	E	10	G		0.3	5	TURKEY
	12	12	47	30.6&	37.375	N	121.757	W	1				30	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=4.4*10**14 Nm (BRK). Felt (III) at La Honda, Santa Clara, Santa Cruz and San Jose. Also felt at Brookdale, Campbell and Livermore.
	12	13	28	53.6*	42.424	N	24.262	E	21	*		1.3	7	BULGARIA
	12	14	13	38.4*	3.433	S	103.396	W	10	G	4.9 4.6	1.3	42	NORTHERN EASTER I. CORDILLERA
	12	14	45	55.0	6.539	S	154.962	E	72	*	4.4	1.0	13	SOLOMON ISLANDS. Felt (IV) at Arawa and Panguna, Bougainville.
	12	16	49	34.9?	45.39	N	7.06	E	10	G		0.5	4	NORTHERN ITALY. ML 2.2 (GEN).
	12	17	16	29.9&	60.410	N	151.775	W	63				28	KENAI PENINSULA, ALASKA. <AGS-P>.
	12	17	40	40.2%	46.002	N	2.771	E	10	G		0.4	5	FRANCE. ML 2.6 (LDG).
	12	18	04	39.5	53.815	N	160.885	E	30	D	5.2 4.3	0.8	96	NEAR EAST COAST OF KAMCHATKA
	12	18	54	16.6?	22.00	N	95.42	E	33	N	4.4	0.5	7	BURMA
	12	18	55	26.9?	10.10	S	124.29	E	33	N		1.4	6	TIMOR
	12	19	11	11.7	44.621	N	6.850	E	10	G		0.6	11	FRANCE. ML 2.7 (LDG).
	12	20	56	30.9%	61.352	N	10.277	E	10	G		1.4	4	SOUTHERN NORWAY. MD 2.3 (BER).
	12	22	45	29.2*	5.533	N	126.682	E	54	?	4.5	1.1	20	MINDANAO, PHILIPPINE ISLANDS
	12	23	11	32.9*	39.454	N	74.279	E	33	N	4.0	1.0	6	SOUTHERN XINJIANG, CHINA
	12	23	43	18.2&	59.555	N	152.460	W	69				20	SOUTHERN ALASKA. <AGS-P>.
	12	23	49	38.9*	36.217	N	103.286	E	10	G		0.9	5	GANSU PROVINCE, CHINA. ML 4.3 (BJI).
	13	00	00	29.9*	38.380	N	21.877	E	10	G		1.6	5	GREECE. ML 3.1 (ATH).
a	13	00	32	12.7	61.876	N	169.627	E	33	N	5.5 5.5	1.0	230	EASTERN SIBERIA

	13	01 38 18 5	44 919	N	26 432	E	10	G			1 5	8	ROMANIA
	13	04 14 16 3	38 733	N	20 445	E	19		3 8		1 2	38	GREECE ML 4 1 (ATH)
	13	04 42 11 1?	44 44	N	7 52	E	10	G			0 2	5	NORTHERN ITALY. ML 2 2 (LDG)
	13	05 03 18.1?	14.69	N	60.68	W	10	G			0.5	6	WINDWARD ISLANDS ML 3 7 (FDF)
	13	05 46 20 7?	40 34	N	27 89	E	14	?			0 1	5	TURKEY
	13	06 06 22 4	41 979	N	20.518	E	10	G			1.2	12	ALBANIA. ML 2.9 (SKO). 2.8 (TTG)
	13	06 23 41.7*	2.153	N	99.500	E	33	N	3.9		1 1	6	NORTHERN SUMATERA
	13	06 32 46.3	35 758	N	4.639	W	134	*			0 5	13	STRAIT OF GIBRALTAR MG 3.0 (MDD).
	13	06 48 03.6*	21.370	S	68.852	W	155	?			0.7	7	CHILE-BOLIVIA BORDER REGION
	13	06 52 21.9&	62.161	N	149.608	W	36					32	CENTRAL ALASKA. <AGS-P> ML 2.7 (PMR)
	13	08 00 02.8&	60.523	N	147.466	W	12					35	SOUTHERN ALASKA. <AGS-P>. ML 3 0 (PMR).
	13	09 35 32.2&	62.854	N	150 703	W	108					30	CENTRAL ALASKA. <AGS-P>
	13	10 34 59.0&	37.462	N	118.752	W	14					8	CALIFORNIA-NEVADA BORDER REGION. <REN> MD 3.1 (REN)
	13	10 38 45.4&	60 889	N	152.223	W	92					35	SOUTHERN ALASKA. <AGS-P>.
	13	10 42 12.9?	15.08	N	60.27	W	30	*			0.4	7	LEEWARD ISLANDS. ML 2.8 (FDF).
	13	10 45 22.5&	60 739	N	152.170	W	10					26	SOUTHERN ALASKA. <AGS-P> ML 2 9 (PMR).
	13	11 39 55.5*	40 429	N	21.765	E	10	G			1.4	5	GREECE MD 3.6 (ATH).
	13	12 39 11.8*	38.148	S	176.128	E	205	*			0.7	10	NORTH ISLAND, NEW ZEALAND
	13	13 08 16.6*	4.027	N	126.523	E	154	?	4 7		1.2	31	TALAUD ISLANDS
	13	13 29 43.5%	39 627	N	29.373	E	10	G			1.3	7	TURKEY
	13	14 00 00.0&	37 089	N	116.049	W	0		5.9 4.4			340	SOUTHERN NEVADA. <DOE>. ML 5.6 (BRK). 37' 05' 20.39" N., 116' 02' 57.34" W., Surface Elev. 1256 m., Depth of Burial 600 m., Shot Time 140000.078, "DALHART," Nevada Test Site (Dept. of Energy). Felt at Las Vegas.
	13	14 21 08.5?	30.80	S	73.70	W	33	N			1.5	12	OFF COAST OF CENTRAL CHILE
	13	14 42 06.8&	34.091	N	96.144	W	5	G				7	OKLAHOMA <TUL>. MD 2.4 (TUL).
	13	15 09 40.4%	44.321	N	7.183	E	10	G			0.7	5	NORTHERN ITALY. ML 2.3 (GEN).
	13	16 18 07.8&	37.089	N	116.049	W	0	G	4.5			23	SOUTHERN NEVADA. <SPEC>. ML 4.1 (BRK). NTS collapse. Hypocenter held to "DALHART" location.
	13	17 22 33.8*	30.363	N	57.120	E	28	*	4.3		1.2	8	IRAN
	13	17 24 45.1%	60.675	N	5.655	E	0	G			0.3	5	SOUTHERN NORWAY. MD 2.0 (BER). Probable explosion.
	13	17 51 07.3?	33.16	S	72.23	W	33	N			0.8	10	OFF COAST OF CENTRAL CHILE
	13	19 01 39.6*	22.641	S	171.287	E	33	N	4.6		1.2	34	LOYALTY ISLANDS REGION
	13	19 20 25.8?	38.15	N	26.43	E	10	G			1.4	5	AEGEAN SEA
	13	20 00 59.7*	38.586	N	21.144	E	10	G			1.2	6	GREECE. ML 3.4 (ATH).
	13	21 08 58.3?	31.26	S	70.16	W	33	N			1.2	10	CHILE-ARGENTINA BORDER REGION
	13	23 32 51.5?	31.79	S	71.37	W	33	N			1.3	7	NEAR COAST OF CENTRAL CHILE
	14	00 03 48.2	64.427	N	146.857	W	33	N			1.0	10	CENTRAL ALASKA. ML 4.1 (PMR).
	14	01 05 08.3	6.093	S	147.280	E	67	*	4.5		1.3	24	EAST PAPUA NEW GUINEA REGION
	14	01 25 57.3*	40.741	N	29.960	E	10	G			0.5	6	TURKEY
	14	03 23 25.1&	61.364	N	146.782	W	36					37	SOUTHERN ALASKA. <AGS-P>.
	14	03 26 16.9	7.168	S	129.545	E	118	*	5.0		1.1	29	BANDA SEA
	14	03 34 48.0&	60.111	N	151.633	W	78					27	KENAI PENINSULA, ALASKA. <AGS-P>.
	14	04 03 25.0*	39.466	N	74.453	E	33	N	4.2		1.5	9	SOUTHERN XINJIANG, CHINA
	14	05 43 28.3*	6.418	S	152.862	E	33	N	4.5		0.6	5	NEW BRITAIN REGION
	14	06 48 10.3%	46.143	N	2.752	E	10	G			0.6	9	FRANCE. ML 2.3 (LDG).
	14	07 05 09.6*	6.543	S	129.911	E	176	*	4.8		1.3	16	BANDA SEA
	14	10 04 19.8%	39.192	N	27.775	E	10	G			0.3	5	TURKEY
	14	10 10 10.5%	39.110	N	27.636	E	10	G			0.4	5	TURKEY
	14	14 12 01.9%	41.104	N	28.910	E	10	G			0.2	5	TURKEY
	14	14 46 30.2?	24.32	S	172.95	W	33	N	4.7		1.2	13	SOUTH OF TONGA ISLANDS
	14	14 58 38.3*	36.445	N	4.503	W	10	G			1.4	6	STRAIT OF GIBRALTAR. MG 2.8 (MDD).
	14	15 20 03.7&	57.294	N	144.816	W	10	G				26	GULF OF ALASKA. <AGS-P>.
	14	16 12 23.0	40.152	N	19.740	E	51		4.7 3.5		1.4	112	ALBANIA. MD 4.5 (TTG), 4.4 (ATH). Felt (VI) in the Tepelene area.
	14	16 26 48.3%	42.770	N	19.153	E	10	G			0.4	7	YUGOSLAVIA. ML 2.1 (TTG).
	14	17 40 06.3%	16.016	N	62.187	W	10	G			0.4	9	LEEWARD ISLANDS. ML 3.0 (FDF).
	14	18 18 08.3&	40.613	N	125.712	W	5	G				7	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK).
	14	19 02 30.9	46.752	N	6.764	E	10	G			1.0	55	SWITZERLAND. ML 3.7 (LDG), 3.3 (KBA). MD 3.3 (STR).
	14	19 03 08.7&	59.938	N	152.406	W	71					19	SOUTHERN ALASKA. <AGS-P>.
a	14	19 11 40.9	23.208	S	68.178	W	97		5.3		1.2	82	NORTHERN CHILE. Felt (III) in the Toconao area and (II) at Calama.
	14	19 13 08.3	44.652	N	6.773	E	9				0.4	15	FRANCE. ML 2.7 (LDG).
	14	19 24 05.8*	2.044	N	99.362	E	10	G			1.4	6	NORTHERN SUMATERA
	14	19 37 06.6%	46.694	N	7.087	E	10	G			1.0	7	SWITZERLAND. ML 2.4 (LDG).
	14	19 59 37.0?	44.79	N	5.14	E	10	G			0.6	6	FRANCE. ML 2.5 (LDG).
	14	21 35 30.4	46.747	N	6.769	E	10	G			0.9	35	SWITZERLAND. ML 3.2 (LDG).
	14	22 31 31.9*	41.283	N	19.658	E	10	G			0.9	11	ALBANIA. ML 2.6 (TTG).
	14	22 47 45.5?	5.94	S	154.90	E	168	?	4.3		0.9	8	SOLOMON ISLANDS
	15	00 11 42.7?	7.37	S	130.51	E	33	N	4.6		1.4	11	TANIMBAR ISLANDS REGION
	15	01 11 56.0?	39.80	N	30.95	E	10	G			1.2	5	TURKEY
	15	01 22 01.4?	15.97	N	93.75	W	33	N	4.3		0.3	5	NEAR COAST OF CHIAPAS, MEXICO
	15	02 26 11.1	40.163	N	28.238	E	10	G			1.0	13	TURKEY
	15	03 20 19.2*	35 294	N	140 882	E	61	*	4.6		1.2	16	NEAR EAST COAST OF HONSHU, JAPAN
	15	03 54 05.4?	36.54	N	28.63	E	33	N			1.0	5	DODECANESE ISLANDS
	15	04 02 56.1	44.408	N	7.322	E	10	G			0.6	13	NORTHERN ITALY. ML 2.7 (GEN), 2.5 (LDG).
	15	04 31 26.3	44.416	N	7.315	E	10	G			0.7	15	NORTHERN ITALY. ML 2.9 (GEN), 2.6 (LDG).
	15	04 34 31.6*	36.450	N	28.576	E	33	N			1.2	5	DODECANESE ISLANDS
	15	07 00 46.5	37.701	N	21.102	E	50		4.4		1.2	81	SOUTHERN GREECE. MD 4.3 (ATH).
	15	07 04 48.5	37.676	N	21.024	E	45	*	4.2 3.9		1.4	24	SOUTHERN GREECE. MD 4.1 (ATH).
	15	07 19 35.3	46.296	N	13.286	E	10	G			0.9	10	AUSTRIA. MD 2.6 (TRI). ML 2.4 (KBA).
	15	08 02 56.9*	14.632	N	90.828	W	42	?	4.6 4.3		1.3	35	GUATEMALA. Felt (II) in the Chimaltenango area.
	15	08 26 28.5*	38.587	N	125.917	E	33	N	4.8		1.1	10	NORTH KOREA. ML 4.1 (BJI).
	15	08 58 57.1*	40.311	S	74.285	W	33	N	4.5 3.6		1.1	15	OFF COAST OF SOUTHERN CHILE
	15	10 13 26.8*	14.683	N	90.875	W	33	N	4.8 4.4		1.5	31	GUATEMALA. Felt (IV) in the Chimaltenango area.
	15	10 23 19.8?	4.51	S	154.54	E	460	?	4.8		0.5	7	SOLOMON ISLANDS
	15	12 30 24.2%	39.120	N	27.649	E	10	G			0.2	5	TURKEY
	15	14 06 40.3*	16.855	N	98.733	W	52	*	4 5		1.1	21	NEAR COAST OF GUERRERO, MEXICO
	15	14 06 47.0?	5.83	S	151.19	E	63	?	4.6		1.5	9	NEW BRITAIN REGION
	15	15 38 04.6	44.640	N	10.999	E	10	G			1.5	51	NORTHERN ITALY. ML 3.8 (KBA), 3.7 (LDG).
	15	15 40 57.2	44 628	N	10.883	E	10	G			1.0	45	NORTHERN ITALY. ML 3.6 (KBA), 3.5 (LDG).
	15	15 52 46.3%	46.650	N	7.199	E	10	G			1.4	8	SWITZERLAND ML 2.5 (LDG)
	15	16 38 54.7?	12 45	N	124.70	E	49	?	4 6		0 5	6	SAMAR, PHILIPPINE ISLANDS

	15	18	03	54.5	5.912	S	130.406	E	75	*	5.0	1.1	45	BANDA SEA
	15	19	20	16.9*	11.056	S	120.217	E	33	N		1.7	5	SOUTH OF SUMBA ISLAND
	15	19	28	34.0&	11.808	N	87.025	W	56				6	NEAR COAST OF NICARAGUA <HDC> MD 4.2 (HDC).
	15	20	26	25.1?	8.18	S	118.35	E	197	?	4.8	1.0	5	SUMBAWA ISLAND REGION
	15	20	44	15.8*	30.650	N	138.689	E	392	?	4.5	0.4	18	SOUTH OF HONSHU, JAPAN
	15	21	52	34.5*	63.895	N	146.627	W	33	N		0.7	6	CENTRAL ALASKA ML 2.4 (PMR)
	15	22	18	10.2	42.744	N	18.536	E	13			0.3	14	YUGOSLAVIA. ML 2.7 (TTG).
	16	00	57	28.6%	31.641	N	35.367	E	10	G		0.5	6	DEAD SEA REGION
	16	02	00	34.0&	62.382	N	149.214	W	43				33	CENTRAL ALASKA. <AGS-P>.
	16	03	32	36.1?	32.27	S	71.60	W	33	N		1.2	11	NEAR COAST OF CENTRAL CHILE
	16	04	26	24.1?	7.46	S	128.51	E	125	?	4.3	1.3	7	BANDA SEA
	16	04	37	38.9*	39.661	N	72.062	E	33	N	4.6 4.0	1.3	13	KIRGHIZ SSR
o	16	06	15	29.3	37.525	N	25.361	W	10	G	5.1 5.0	1.6	110	AZORES ISLANDS. Minor damage (VI) in the southwestern port of Sao Miguel.
	16	08	28	11.6?	37.94	N	22.50	E	10	G		1.1	4	SOUTHERN GREECE. ML 3.1 (ATH).
	16	09	22	55.8*	36.741	N	71.364	E	86	?	4.3	1.1	13	AFGHANISTAN-USSR BORDER REGION
	16	09	37	13.6*	31.412	S	119.516	E	5	G		1.2	11	WESTERN AUSTRALIA
o	16	09	40	20.0	12.078	N	143.626	E	17		5.4 4.6	1.2	106	SOUTH OF MARIANA ISLANDS
	16	11	16	17.8*	23.066	S	66.453	W	252	*		0.8	10	JUJUY PROVINCE, ARGENTINA
o	16	12	09	27.7	21.856	N	121.699	E	33	N	5.3 5.8	1.3	164	TAIWAN REGION
	16	12	14	21.0	21.746	N	121.718	E	43	*	5.2	1.1	45	TAIWAN REGION
o	16	12	34	05.6	37.938	N	20.932	E	25		5.5 5.8	1.4	300	IONIAN SEA. ML 5.5 (ATH). Twenty five people injured and extensive damage in the Kiliini-Vartholomion area, Greece. Damage and landslides on Zakinthos. Also felt in Aitolia-Akarnonia Province and in the Athens area.
	16	12	36	58.3	21.651	N	121.911	E	33	N	5.2	1.5	50	TAIWAN REGION
	16	12	44	29.5	37.997	N	20.672	E	10	G	4.5	1.0	9	IONIAN SEA. ML 4.2 (ATH).
	16	13	09	00.8%	34.919	N	139.295	E	10	G		0.3	5	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
	16	13	13	01.7%	39.163	N	27.615	E	10	G		0.2	5	TURKEY
	16	13	24	37.2*	46.354	N	8.035	E	10	G		0.4	6	SWITZERLAND. ML 2.6 (LDG).
	16	13	26	30.1*	37.757	N	20.799	E	10	G	3.6	1.3	7	IONIAN SEA. ML 3.5 (ATH).
	16	13	30	24.9?	37.84	N	20.75	E	10	G		1.3	4	IONIAN SEA. ML 3.3 (ATH).
	16	13	47	38.8*	37.761	N	20.682	E	10	G		0.7	6	IONIAN SEA. ML 3.4 (ATH).
	16	14	22	49.4*	38.014	N	20.952	E	10	G		1.1	14	GREECE. ML 3.6 (ATH).
	16	14	25	50.7*	37.751	N	20.713	E	10	G		1.1	6	IONIAN SEA. ML 3.5 (ATH).
	16	14	28	03.4*	37.827	N	20.766	E	10	G		0.9	7	IONIAN SEA. ML 3.4 (ATH).
	16	14	32	58.2?	37.93	N	20.85	E	10	G		1.2	5	IONIAN SEA. ML 3.5 (ATH).
	16	15	12	15.3*	38.066	N	20.979	E	10	G	3.9	1.4	16	GREECE. ML 3.7 (ATH).
	16	16	23	29.2	5.801	N	125.302	E	89		5.1	1.0	47	MINDANAO, PHILIPPINE ISLANDS
	16	16	42	43.0%	60.144	N	6.145	E	0	G		0.5	5	SOUTHERN NORWAY. MD 2.4 (BER). Probable explosion.
	16	16	45	10.9	37.971	N	20.887	E	10	G	4.4	1.5	32	IONIAN SEA. ML 3.8 (ATH).
	16	16	54	22.1*	37.756	N	20.840	E	10	G	3.6	1.2	9	IONIAN SEA. ML 3.5 (ATH).
	16	16	57	07.2?	32.01	S	69.22	W	33	N		1.1	7	MENDOZA PROVINCE, ARGENTINA
	16	17	20	20.5*	37.703	N	20.918	E	10	G		0.9	7	IONIAN SEA. ML 3.4 (ATH).
	16	17	39	00.3*	5.900	N	82.750	W	33	N		0.9	13	SOUTH OF PANAMA
	16	17	47	13.6?	37.84	N	20.91	E	10	G		1.2	6	IONIAN SEA. ML 3.3 (ATH).
	16	17	52	11.6*	37.828	N	20.895	E	10	G		1.3	13	IONIAN SEA. ML 3.5 (ATH).
	16	17	59	58.2%	14.720	N	61.013	W	15	*		1.1	7	WINDWARD ISLANDS. ML 2.8 (FDF).
	16	18	07	49.4%	15.030	N	60.543	W	10	G		0.6	7	LEEWARD ISLANDS. ML 2.6 (FDF).
	16	18	35	28.4	37.809	N	20.865	E	10	G		1.2	18	IONIAN SEA. ML 3.6 (ATH).
	16	22	11	35.6	38.791	N	115.128	W	5	G		0.5	16	NEVADA. MD 3.2 (REN).
	16	23	35	24.5*	37.964	N	44.815	E	33	N	4.5	1.3	14	TURKEY-IRAN BORDER REGION
	17	00	38	32.7&	58.553	N	153.507	W	58		4.4		50	KODIAK ISLAND REGION. <AGS-P>.
	17	01	49	31.9	37.977	N	20.915	E	26		3.9	1.3	45	IONIAN SEA. ML 4.0 (ATH).
	17	02	03	27.0*	37.761	N	20.840	E	10	G		1.2	12	IONIAN SEA. ML 3.5 (ATH).
	17	02	30	23.3	37.869	N	20.852	E	10	G	3.9	1.2	24	IONIAN SEA. ML 3.8 (ATH).
	17	04	46	07.2	38.411	N	26.691	E	10	G		1.2	22	AEGEAN SEA. ML 3.7 (ATH).
	17	05	07	23.1*	21.861	N	121.885	E	42	*	4.8	0.8	22	TAIWAN REGION
o	17	05	56	54.1	51.254	N	159.458	E	37	D	5.5 5.1	1.0	289	OFF EAST COAST OF KAMCHATKA. Ms 5.1 (BRK).
a	17	06	07	12.4	51.186	N	159.394	E	35	D	5.2 5.1	1.1	157	OFF EAST COAST OF KAMCHATKA
	17	06	26	43.1&	61.154	N	152.033	W	99				35	SOUTHERN ALASKA. <AGS-P>.
	17	06	43	42.6*	31.740	S	68.158	W	24	*		1.3	7	SAN JUAN PROVINCE, ARGENTINA
	17	06	47	57.2?	38.58	N	23.27	E	10	G		0.8	4	GREECE. ML 2.7 (ATH).
	17	07	21	20.0?	37.80	N	20.82	E	10	G		1.7	9	IONIAN SEA. ML 3.5 (ATH).
	17	07	52	20.7?	33.32	S	71.94	W	21			0.4	10	NEAR COAST OF CENTRAL CHILE
	17	07	53	59.8?	33.31	S	72.30	W	33	N		0.8	11	OFF COAST OF CENTRAL CHILE
	17	08	40	00.5?	37.77	N	22.29	E	10	G		1.0	10	SOUTHERN GREECE. ML 3.3 (ATH).
	17	09	53	00.2&	36.688	N	121.365	W	5				22	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	17	10	33	12.5	40.596	N	21.091	E	10	G		0.9	10	GREECE. MD 3.2 (ATH).
	17	10	53	54.9*	23.070	S	171.240	E	33	N	4.8 4.6	1.3	34	LOYALTY ISLANDS REGION
	17	11	23	48.7&	36.688	N	121.365	W	4				14	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	17	11	47	24.1%	47.044	N	9.572	E	10	G		1.2	7	GERMANY
	17	13	12	58.3*	8.107	S	118.051	E	33	N		1.2	7	SUMBAWA ISLAND REGION
	17	15	48	38.0*	30.515	S	71.965	W	33	N	4.6	1.3	17	NEAR COAST OF CENTRAL CHILE
	17	16	09	41.3?	51.54	N	16.13	E	10	G		0.3	6	POLAND. ML 3.9 (VKA).
	17	16	16	18.8?	37.27	N	19.97	E	10	G		1.5	9	IONIAN SEA. ML 3.5 (ATH).
	17	17	26	59.1*	38.031	N	22.591	E	10	G	3.6	1.2	17	GREECE. ML 3.1 (ATH).
	17	18	02	01.6%	40.604	N	29.961	E	10	G		1.5	8	TURKEY
	17	18	03	07.6	37.885	N	22.504	E	10	G		0.9	12	SOUTHERN GREECE. ML 3.4 (ATH).
	17	19	04	37.7	38.778	N	115.155	W	5	G		0.3	12	NEVADA. MD 3.4 (REN).
	17	19	12	57.9?	44.92	N	6.83	E	10	G		0.6	4	FRANCE. ML 2.0 (GEN).
	17	19	39	54.4	50.579	N	5.685	E	10	G		0.9	39	BELGIUM. ML 3.9 (LDG), 3.5 (BNS). Felt (IV) in the Verviers area. Also felt at Aachen, Germany.
	17	19	58	33.8	37.099	N	23.111	E	91		4.2	1.3	99	SOUTHERN GREECE. MD 3.7 (ATH).
	17	20	33	25.2	24.023	S	69.405	W	75	D	5.3	1.0	74	NORTHERN CHILE
	17	20	42	28.4*	45.408	N	6.605	E	10	G		0.3	6	FRANCE
	17	20	54	24.8?	39.69	N	8.72	W	10	G		0.8	6	PORTUGAL. MG 3.3 (MDD).
	17	21	39	30.8	25.503	S	70.169	W	48	D	5.2	1.0	54	NEAR COAST OF NORTHERN CHILE
	17	22	47	19.4	37.926	N	20.842	E	10	G	4.1	1.3	55	IONIAN SEA. ML 3.9 (ATH).
	17	23	20	02.0*	38.046	N	20.845	E	10	G		1.0	5	GREECE. ML 3.4 (ATH).
	17	23	46	26.3	37.922	N	20.904	E	10	G	3.7	1.0	32	IONIAN SEA. ML 3.7 (ATH).
	17	23	57	46.5	45.792	N	149.621	E	33	N	5.2	0.9	131	KURIL ISLANDS
	18	00	55	18.6?	20.25	S	68.36	W	237	?		0.7	6	CHILE-BOLIVIA BORDER REGION

a	18	02 26 01.7	7 324	N	35.892	W	10	G	5 2 5 0	0 9	185	CENTRAL MID-ATLANTIC RIDGE
	18	03 34 53.8&	10 638	N	87.249	W	0	G			8	OFF COAST OF COSTA RICA. <HDC> MD 4 2 (HDC).
	18	03 40 06.6	49 866	N	78.081	E	0	G	4 9	0.8	52	EASTERN KAZAKH SSR
	18	04 52 42.7	39 963	N	25.606	E	10	G		0.8	23	AEGEAN SEA
	18	07 08 15.6?	37 92	N	21.09	E	10	G		0.9	5	SOUTHERN GREECE. ML 3.5 (ATH).
	18	07 25 40.2?	38.23	N	20.42	E	10	G		1.6	6	GREECE. ML 3.6 (ATH).
	18	07 38 06.6%	15.745	N	60.725	W	24			0.2	10	LEEWARD ISLANDS. ML 2.8 (FDF).
	18	08 27 42.5%	60.680	N	5.647	E	0	G		0.4	5	SOUTHERN NORWAY. MD 2.3 (BER). Probable explosion.
	18	09 40 20.9	12.146	N	124.777	E	137	*	5.0	1.2	78	SAMAR, PHILIPPINE ISLANDS
	18	10 19 59.0?	61.84	N	7.28	E	10	G		1.1	4	SOUTHERN NORWAY. MD 2.4 (BER).
	18	10 31 14.0?	37 62	N	20.51	E	10	G	3.8	1.4	10	IONIAN SEA. ML 3.6 (ATH).
	18	11 17 30.4*	52.934	N	160.059	E	33	N	5.8	1.0	16	OFF EAST COAST OF KAMCHATKA
	18	12 02 30.3%	36.863	N	4.602	W	10	G		1.3	5	STRAIT OF GIBRALTAR. MG 2.9 (MDD).
	18	12 35 43.9	40.883	N	41.673	E	10	G	4.8	1.3	19	TURKEY. Felt at Erzurum.
	18	13 05 07.3*	18.523	S	178.159	W	438	*	4.9	1.2	52	FIJI ISLANDS REGION
	18	14 45 50.2%	40.201	N	28.229	E	10	G		0.7	5	TURKEY
	18	15 40 55.4?	37.36	N	20.19	E	10	G		0.6	7	IONIAN SEA. ML 3.6 (ATH).
	18	16 33 57.3?	51.51	N	20.64	E	10	G		0.4	5	POLAND. ML 2.6 (KRA).
	18	16 35 34.8	23.951	S	69.568	E	10	G	5.3	1.0	34	MID-INDIAN RISE
	18	18 01 49.6	52.314	N	174.014	W	90		4.7	1.1	125	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak and Atka.
	18	18 22 09.4?	37.73	N	20.20	E	10	G		1.1	7	IONIAN SEA ML 3.7 (ATH).
	18	19 28 28.7*	37.928	N	20.858	E	10	G	3.7	1.1	20	IONIAN SEA ML 3.8 (ATH).
	18	19 42 10.6*	44.709	N	6.708	E	12			0.4	8	FRANCE
	18	19 52 55.0	36.097	N	27.531	E	33	N	3.9	1.4	13	DODECANESE ISLANDS
	18	20 01 15.5&	60.276	N	152.401	W	100				24	SOUTHERN ALASKA. <AGS-P>
	18	21 15 00.5	47.404	N	115.850	W	0	G		0.7	32	MONTANA. ML 3.5 (NEIS), 3.9 (BUT). Rockburst at the Lucky Friday Mine near Mullan, Idaho. Felt (IV) at Mullan and (III) at Santa, Silverton and Wallace, Idaho. Also felt (III) at Saltese, Montana.
	18	21 19 43.8*	1.387	S	137.803	E	33	N	4.5	0.9	9	NEAR N. COAST OF WEST IRIAN
	18	22 03 05.6&	38.326	N	118.114	W	9				11	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.2 (REN).
	18	23 07 46.5?	37.71	N	20.92	E	10	G		1.2	4	IONIAN SEA. ML 3.3 (ATH).
	18	23 41 59.5*	37.909	N	20.908	E	10	G		1.2	7	IONIAN SEA. ML 3.4 (ATH).
a	19	00 08 41.3	37.031	N	141.703	E	48		5.8 5.4	1.0	342	NEAR EAST COAST OF HONSHU, JAPAN. Ms 5.1 (BRK). Felt (III JMA) at Onahama, (II JMA) in the Mito-Miyako-Morioka area and (I JMA) in the Tokyo-Niigata area. Also felt at Akita.
	19	00 27 06.4	37.906	N	20.881	E	10	G	4.0	1.1	41	IONIAN SEA. ML 4.2 (SKO), 3.9 (ATH).
	19	00 32 57.6	37.877	N	20.816	E	10	G	4.2	0.8	29	IONIAN SEA. ML 4.0 (SKO).
	19	02 24 57.6?	37.51	N	20.42	E	10	G		1.0	5	IONIAN SEA. ML 3.3 (ATH).
	19	03 02 14.0*	14.018	S	166.965	E	33	N	5.2	1.1	23	VANUATU ISLANDS
	19	04 44 22.4?	14.77	N	98.20	W	33	N	3.8	1.2	7	OFF COAST OF GUERRERO, MEXICO
	19	06 40 06.6	40.480	N	15.843	E	10	G		1.0	9	SOUTHERN ITALY
	19	07 44 08.5*	5.126	S	132.134	E	33	N	4.9	1.0	14	AROE ISLANDS REGION
	19	07 45 05.0	38.737	N	116.435	W	5	G		0.3	42	NEVADA. ML 3.4 (NEIS).
	19	08 36 16.8?	51.71	N	158.35	E	33	N	4.6	0.7	11	NEAR EAST COAST OF KAMCHATKA
	19	10 22 12.3	7.621	S	122.377	E	33	*	4.8	0.7	15	FLORES SEA
	19	10 50 49.5&	34.940	N	118.760	W	5				35	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt (IV) at Frazier Park and (III) at Tehachapi. Also felt at Lancaster and in the Antelope Valley area.
	19	10 51 54.5	44.323	N	6.452	E	10	G		0.8	27	FRANCE. ML 2.8 (LDG). MD 2.7 (STR).
	19	10 56 31.5%	39.574	N	29.429	E	10	G		1.1	7	TURKEY
	19	12 23 41.5	39.907	N	20.548	E	33	N	3.8	1.3	41	GREECE-ALBANIA BORDER REGION. MD 3.9 (ATH).
	19	12 51 25.8*	37.873	N	22.445	E	10	G		0.5	10	SOUTHERN GREECE. ML 3.2 (ATH).
	19	13 11 26.4%	60.316	N	5.191	E	0	G		0.7	6	SOUTHERN NORWAY. MD 2.0 (BER). Probable explosion.
	19	13 39 14.1*	11.464	S	118.259	E	33	N	3.2	1.2	7	SOUTH OF SUMBAWA ISLAND
	19	13 44 46.3&	34.940	N	118.760	W	6				50	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS), 4.2 (BRK). Felt (IV) at Frazier Park, (III) at Mettler and Tehachapi. Also felt at Lancaster and in the Antelope Valley area.
	19	13 48 51.0%	60.302	N	5.237	E	0	G		0.6	7	SOUTHERN NORWAY. MD 1.9 (BER). Probable explosion.
	19	14 04 21.9&	34.930	N	118.760	W	5				27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt at Frazier Park, Lancaster and in the Antelope Valley area.
	19	14 19 30.2	30.042	N	94.864	E	33	N	4.8	1.2	51	TIBET
	19	15 08 35.6&	61.339	N	154.090	W	10				28	SOUTHERN ALASKA. <AGS-P>. ML 3.0 (PMR).
	19	15 13 30.0	6.129	S	152.655	E	33	N	3.4	0.4	6	NEW BRITAIN REGION
	19	15 49 04.4?	22.89	S	115.08	E	10	G		1.2	8	WESTERN AUSTRALIA
	19	16 08 23.8&	37.203	N	118.452	W	13				64	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.1 (BRK). Felt (III) at Bishop, Mammoth Lakes, Tams Place and Sequoia National Park, California.
	19	17 11 53.7%	36.722	N	139.288	E	10	G		0.9	5	HONSHU, JAPAN
	19	17 48 10.6	42.867	N	12.999	E	10	G		0.9	9	CENTRAL ITALY
	19	19 08 54.7	7.551	S	127.950	E	179	*	4.7	1.2	19	BANDA SEA
	19	19 51 37.7	47.744	N	151.334	E	185	*	5.2	0.9	202	KURIL ISLANDS
	19	20 04 57.7	45.976	N	7.252	E	10	G		1.5	16	NORTHERN ITALY. ML 2.6 (LDG).
	19	20 44 56.2	14.076	N	91.944	W	48	*	4.7 4.0	1.2	56	GUATEMALA
	19	21 45 16.3%	61.713	N	7.477	E	10	G		0.9	7	SOUTHERN NORWAY. MD 2.6 (BER).
	19	22 10 24.7%	15.711	N	60.871	W	33	N		0.9	8	LEEWARD ISLANDS. ML 2.4 (FDF).
	19	22 47 54.4&	33.180	N	115.600	W	0		4.3		31	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS). Felt (IV) at Niland and (III) at Jacumba.
	19	22 55 47.5&	33.190	N	115.610	W	0				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	19	23 02 10.6	37.882	N	20.930	E	10	G		0.9	15	IONIAN SEA. ML 3.6 (ATH).
	19	23 14 22.1	45.527	N	7.013	E	10	G		0.7	8	NORTHERN ITALY. ML 2.4 (LDG).
	19	23 17 53.2	38.390	N	25.193	E	10	G	3.7	0.9	30	AEGEAN SEA. ML 3.9 (ATH).
	20	00 33 06.5?	38.03	N	21.30	E	10	G		0.8	5	GREECE. ML 3.5 (ATH).
	20	01 08 45.7	22.151	S	179.615	W	566	*	5.1	1.0	66	SOUTH OF FIJI ISLANDS
	20	01 56 43.1&	33.210	N	115.590	W	1				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	20	02 29 23.3*	37.940	N	20.884	E	10	G		0.3	6	IONIAN SEA. ML 3.6 (ATH).
a	20	02 30 54.3	4.750	S	153.103	E	57		5.4	1.4	118	NEW IRELAND REGION. Felt (IV) at Namatanai. Felt (III) at Rabaul, New Britain and Panguna, Bougainville.
	20	02 35 18.2?	39.79	N	20.68	E	10	G		1.6	5	GREECE-ALBANIA BORDER REGION MD 3.1 (ATH).

	20	05 11 39 4	38 141	N	20.854	E	17		4 0		1.2	27	GREECE. ML 3.8 (ATH).
	20	05 59 31.8?	3 38	S	149.68	E	33	N	3 7		0.4	5	BISMARCK SEA
	20	06 20 42.7*	6.943	S	129.274	E	33	N	4 9		1.5	18	BANDA SEA
	20	08 08 52.3?	63.37	N	149.71	W	33	N			0.3	4	CENTRAL ALASKA. ML 2.9 (PMR).
	20	09 47 50.4%	60.308	N	5.190	E	0	G			0 6	7	SOUTHERN NORWAY. MD 2.0 (BER) Probable explosion.
	20	09 58 17.9*	44.383	N	8.321	E	10	G			0.4	5	NORTHERN ITALY. ML 2.4 (GEN).
	20	10 11 57.6*	9.291	N	80.716	W	33	N			0.2	6	PANAMA. MD 4.3 (HDC), 4.0 (UPA).
	20	11 37 39.7?	60.35	N	5.54	E	0	G			0.2	4	SOUTHERN NORWAY. MD 2.1 (BER). Probable explosion.
	20	12 23 56.6%	15.962	N	61.256	W	10	G			1.4	9	LEEWARD ISLANDS. ML 3.1 (FDF).
	20	12 41 52.3%	39.261	N	27.849	E	10	G			0.6	5	TURKEY
	20	12 48 19.0%	60.313	N	5.219	E	0	G			0.6	7	SOUTHERN NORWAY. MD 2.3 (BER). Probable explosion.
	20	12 56 13.6*	36.003	N	21.843	E	10	G			1.1	6	SOUTHERN GREECE. ML 3.7 (ATH).
	20	13 09 50.1	44 539	N	71.158	W	5	G			0.6	23	NORTHERN NEW ENGLAND. mbLg 3.9 (NEIS). Slight damage (VI) at Berlin and Milan, New Hampshire. Felt (V) at Grovetan and Jefferson, New Hampshire; (IV) at Ashland, Bethlehem, Camptan, Center Ossipee, Chacarua, Calebraak, Gorham, Intervale and Jackson, New Hampshire. Alsa felt (IV) at Andaver, Bethel, Hanover, Livermare, Rumfard, Rumford Center, Rumford Point, Raxbury and West Bethel, Maine and Guildhall, Vermont. Felt in parts of New Hampshire, Maine and Vermont.
	20	13 30 42.9?	47.35	N	3.51	W	10	G			0.4	8	FRANCE. ML 3.3 (LDG).
	20	13 32 37.8	37.785	N	20.887	E	10	G			1.2	15	IONIAN SEA. ML 3.7 (ATH).
	20	14 00 59.2	40.502	N	22.874	E	30		4.4	4.7	1.2	144	GREECE. ML 4.2 (ATH) Felt in northern Greece.
	20	14 15 31.6*	4.724	S	153.376	E	104	*	4.4		0.9	11	NEW IRELAND REGION
	20	14 18 20.4%	15.392	N	60.897	W	33	N			1.2	8	LEEWARD ISLANDS. ML 2.6 (FDF).
	20	15 22 47.9	56.349	N	153.210	W	33	N	4.7		1.1	26	KODIAK ISLAND REGION ML 3.8 (PMR).
	20	16 10 42.7*	6.199	N	82.492	W	33	N			0.6	12	SOUTH OF PANAMA
	20	16 12 42.4	40.485	N	22.992	E	10	G			0.7	9	GREECE
	20	16 40 18.8%	16.180	N	61.208	W	10	G			0.3	5	LEEWARD ISLANDS. ML 1.7 (FDF).
	20	16 59 16.5	40.487	N	22.937	E	10	G			1.4	15	GREECE. MD 2.9 (ATH).
	20	17 16 55.1%	60.697	N	5.614	E	0	G			0.3	7	SOUTHERN NORWAY. MD 2.3 (BER). Prabable explasian.
	20	17 26 43.9*	42.810	N	145.617	E	63	*	4.7		0.9	11	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Nemuro.
	20	17 33 02.1&	38.803	N	122.802	W	6					25	NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK). Felt (IV) at Cabb and (III) at Lawer Lake. Small fareshack abaut twa seconds earlier.
	20	18 54 39.6	39.414	N	23.615	E	10	G			1.2	32	AEGEAN SEA. ML 3.6 (ATH).
	20	19 31 39.9	18.770	N	144.699	E	33	N	5.0	4.6	0.9	74	MARIANA ISLANDS
	20	20 01 29.9&	58.459	N	142.567	W	10	G				16	GULF OF ALASKA. <AGS-P>.
	20	20 07 03.6*	39.070	N	21.661	E	10	G			1.4	12	GREECE. MD 3.4 (ATH).
	20	21 00 59.0%	42.843	N	18.687	E	10	G			0.8	6	YUGOSLAVIA. ML 2.1 (TTG).
	20	21 43 48.0	59.959	N	6.493	E	10	G			1.3	14	SOUTHERN NORWAY. ML 3.8 (NAO), 3.6 (BER). Felt.
	20	21 52 54.9*	19.945	S	133.812	E	5	G			1.3	6	NORTHERN TERRITORY, AUSTRALIA. ML 3.5 (QIS).
	20	21 59 23.9*	38.907	N	17.127	E	10	G			1.3	12	SOUTHERN ITALY. ML 2.6 (ROM).
	20	22 12 03.3*	16.375	N	97.924	W	33	N			0.6	5	OAXACA, MEXICO
	20	22 39 59.6%	60.119	N	5.244	E	0	G			0.8	6	SOUTHERN NORWAY. MD 2.1 (BER). Prabable explasian.
	20	22 51 58.8	35.490	N	3.844	W	10	G			1.3	21	STRAIT OF GIBRALTAR. MG 3.7 (MDD). Felt in the Al Haceima area, Maracca.
	20	23 06 34.2*	38.952	N	17.039	E	10	G			1.4	8	SOUTHERN ITALY. MD 3.0 (ROM).
	20	23 19 52.2&	40.265	N	123.502	W	24					14	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt (III) at Miranda. Also felt at Garberville.
	21	01 55 19.8*	39.683	N	72.377	E	33	N	3.7		1.6	11	KIRGHIZ SSR. Felt (IV) at Daraut-Kurgan.
	21	01 59 40.9%	59.927	N	6.388	E	10	G			1.0	8	SOUTHERN NORWAY. MD 2.0 (BER).
	21	02 08 34.8	39.797	N	20.576	E	10	G			1.0	22	GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH).
	21	02 18 23.9	41.279	N	20.884	E	40		4.6		1.2	154	ALBANIA. MD 4.4 (ATH), 4.4 (TTG). Felt at Kicevo, Debar and Prilep, Yugoslavia. Alsa felt at Florina, Greece.
	21	02 22 39.2&	13.313	N	84.321	W	36	G				11	NICARAGUA. <HDC>.
	21	02 52 06.1*	31.745	S	72.167	W	33	N	5.2		1.3	15	OFF COAST OF CENTRAL CHILE
	21	02 57 00.0*	27.117	N	140.315	E	445	?	4.5		0.5	11	BONIN ISLANDS REGION
	21	03 24 42.2*	31.757	S	72.164	W	33	N			1.4	14	OFF COAST OF CENTRAL CHILE
	21	03 25 07.8%	15.934	N	60.904	W	33	N			0.2	6	LEEWARD ISLANDS. ML 2.3 (FDF).
	21	03 52 55.0*	10.886	S	164.188	E	33	N	4.8	4.2	1.1	14	SANTA CRUZ ISLANDS REGION
	21	04 23 14.9?	8.24	S	128.19	E	173	?	4.1		0.7	5	TIMOR SEA
	21	06 45 24.7	51.909	N	174.704	W	82		4.6		1.0	69	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) an Adak.
	21	08 22 03.4*	25.945	S	68.169	W	83	*	4.1		1.2	12	CHILE-ARGENTINA BORDER REGION
a	21	08 51 41.0	15.310	S	168.246	E	27	D	5.3		1.0	171	VANUATU ISLANDS
	21	09 57 50.4*	4.999	S	144.655	E	82	*	4.6		0.7	12	NEAR N COAST OF PAPUA NEW GUINEA
	21	10 04 07.6?	37.90	N	20.90	E	10	G			1.6	4	IONIAN SEA. ML 3.6 (ATH).
	21	12 12 29.3*	5.051	S	150.984	E	189	*	4.6		1.3	17	NEW BRITAIN REGION
	21	12 19 16.6*	12.237	N	141.913	E	33	N	4.5		0.5	7	SOUTH OF MARIANA ISLANDS
	21	13 02 49.1?	57.76	S	26.14	W	10	G	4.7		1.3	8	SOUTH SANDWICH ISLANDS REGION
	21	13 45 46.8*	46.522	S	153.370	W	10	G	5.0		1.0	12	SOUTH PACIFIC OCEAN. Believed ta be the first instrumentally lacated hypacenter in this area.
	21	14 19 35.2&	58.055	N	151.790	W	47		4.6			45	KODIAK ISLAND REGION. <AGS-P>. ML 4.0 (PMR).
	21	14 25 53.2	34.121	N	25.420	E	20	*	4.1		0.9	23	CRETE. ML 4.1 (ATH).
	21	14 34 22.5%	39.151	N	27.676	E	10	G			0.4	5	TURKEY
	21	14 49 14.4%	31.668	S	117.023	E	10	G			0.4	8	WESTERN AUSTRALIA
	21	15 04 41.3%	31.721	S	117.036	E	10	G			1.0	5	WESTERN AUSTRALIA
	21	16 10 27.0?	4.90	S	151.13	E	197	*			1.2	9	NEW BRITAIN REGION
	21	16 22 41.0?	60.78	N	2.82	E	10	G			0.9	7	NORTH SEA. MD 2.3 (BER).
	21	17 37 32.4?	38.45	N	0.21	E	10	G			0.3	4	SPAIN. MG 3.0 (MDD).
	21	17 41 42.8?	21.21	S	68.42	W	33	N			0.9	5	CHILE-BOLIVIA BORDER REGION
	21	18 05 21.0	39 248	N	23.444	E	10	G			0.4	10	AEGEAN SEA. ML 3.1 (ATH).
	21	18 10 00.8?	4 10	S	143.45	E	62	?	4.3	3.6	0.3	6	PAPUA NEW GUINEA
	21	18 10 47.8	36.645	N	71.267	E	185	*	4.3		0.9	26	AFGHANISTAN-USSR BORDER REGION
	21	19 05 07.9	41.868	N	126.828	W	10	G	4.2		0.7	35	OFF COAST OF NORTHERN CALIFORNIA
	21	20 18 50.6?	5 60	S	146.99	E	184	*	4.3		0.7	12	EAST PAPUA NEW GUINEA REGION
	21	20 33 01.9&	59.149	N	153.733	W	87					18	SOUTHERN ALASKA. <AGS-P>.
	21	21 31 31.5%	40.595	N	29.880	E	10	G			1.1	6	TURKEY
	21	23 01 04.6%	42.536	N	19.183	E	10	G			0.6	7	YUGOSLAVIA MD 2.4 (TTG)
	22	00 11 11.0	20.733	N	102.588	E	33	N	4.0		1.1	16	SOUTHEAST ASIA
	22	00 22 33.7?	40.41	N	15.60	E	10	G			0.2	4	SOUTHERN ITALY

	22	00 35 47.4	38.547	N	16.245	E	28	*			0.8	11	SOUTHERN ITALY. ML 2.6 (ROM).
	22	00 55 18.5	6.411	S	154.756	E	60	*	4.8		0.7	13	SOLOMON ISLANDS Felt (III) at Panguna, Baugainville
	22	01 28 52.9	44.506	N	129.779	W	10	G	4.7		0.7	66	OFF COAST OF OREGON
	22	01 29 57.5	44.567	N	129.732	W	10	G	4.6		0.6	44	OFF COAST OF OREGON
	22	01 35 36.5	44.573	N	129.662	W	10	G	4.5		0.7	49	OFF COAST OF OREGON
	22	01 44 14.6&	61.128	N	152.470	W	129					23	SOUTHERN ALASKA. <AGS-P>.
	22	02 38 18.6&	37.398	N	118.411	W	12					18	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.7 (REN).
	22	02 45 14.1?	42.76	N	7.18	E	10	G			0.1	4	WESTERN MEDITERRANEAN SEA. ML 2.0 (LDG).
	22	02 50 30.6	38.871	N	24.944	E	19		3.9		0.8	51	AEGEAN SEA. ML 4.0 (ATH).
	22	03 18 30.6?	52.81	N	166.69	W	33	N			0.3	7	FOX ISLANDS, ALEUTIAN ISLANDS
	22	03 27 16.0&	40.530	N	124.238	W	24					10	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK). Felt (II) at Ria Dell.
	22	03 49 04.5	43.291	N	110.397	W	5	G			1.0	9	WYOMING. ML 3.6 (NEIS).
	22	04 00 44.6*	23.577	N	93.418	E	33	N			0.2	7	BURMA-INDIA BORDER REGION
	22	04 05 35.7	43.359	N	110.358	W	5	G			0.7	7	WYOMING. ML 3.5 (NEIS).
	22	04 23 41.9*	22.445	N	92.888	E	33	N	4.6		1.2	6	INDIA-BANGLADESH BORDER REGION
	22	05 16 45.2	44.570	N	129.110	W	10	G	4.6		0.5	36	OFF COAST OF OREGON
	22	05 41 20.8*	16.210	S	72.283	W	10	G	4.4		1.0	12	NEAR COAST OF PERU
	22	06 04 04.5?	44.67	N	6.68	E	10	G			0.4	5	FRANCE
	22	06 10 27.4	34.179	N	25.528	E	31		4.1		1.3	64	CRETE. ML 4.4 (ATH).
	22	06 29 10.1*	25.932	N	142.105	E	33	N	4.7		0.3	10	VOLCANO ISLANDS REGION
	22	08 28 47.6*	1.896	S	153.984	E	33	N	4.4		0.9	5	NEW IRELAND REGION
	22	08 53 10.9	37.959	N	20.899	E	51		4.4	3.6	1.2	58	IONIAN SEA. MD 4.0 (ATH).
	22	09 17 29.2*	36.605	N	70.462	E	174	?	4.2		0.8	15	HINDU KUSH REGION
	22	09 34 38.6	37.914	N	20.916	E	52		4.5	3.8	1.2	65	IONIAN SEA. MD 4.4 (ATH).
	22	10 00 05.0	28.813	N	130.339	E	44	*	4.8		0.4	10	RYUKYU ISLANDS
	22	10 05 39.6*	65.349	N	150.024	W	33	N			1.5	7	ALASKA. ML 2.7 (PMR).
	22	10 39 02.0%	61.832	N	7.423	E	10	G			1.5	9	SOUTHERN NORWAY. MD 2.7 (BER).
	22	11 51 17.2?	53.00	S	73.65	W	10	G	4.8		1.3	6	NEAR COAST OF SOUTHERN CHILE
	22	12 16 19.3	49.015	N	156.077	E	33	N	4.8	4.1	0.8	40	KURIL ISLANDS
	22	12 34 48.1%	18.050	N	98.519	W	33	N			0.4	5	CENTRAL MEXICO
	22	13 41 19.7	3.438	N	96.518	E	66	*	4.9		1.0	64	NORTHERN SUMATERA
	22	14 58 18.2	37.928	N	21.113	E	58	*	4.0		1.0	32	SOUTHERN GREECE. MD 3.9 (ATH).
	22	15 12 16.4%	59.539	N	5.462	E	10	G			0.4	7	SOUTHERN NORWAY. MD 2.2 (BER).
	22	15 13 11.9%	38.891	N	17.150	E	10	G			0.9	6	SOUTHERN ITALY
a	22	16 04 13.3	49.044	N	156.096	E	50	D	5.6	5.3	0.9	294	KURIL ISLANDS. Ms 5.0 (BRK). Felt (III) at Severo-Kurilsk.
	22	16 26 19.3&	37.412	N	121.707	W	6					12	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=8.4*10**12 Nm (BRK).
	22	17 18 35.3*	37.475	N	71.302	E	33	N	4.5		1.5	11	AFGHANISTAN-USSR BORDER REGION
	22	17 25 49.3?	39.83	S	72.49	W	33	N			1.1	9	CENTRAL CHILE
	22	19 21 43.6?	49.05	N	155.99	E	33	N	4.4		0.9	13	KURIL ISLANDS
	22	20 17 28.4	33.186	N	96.429	E	33	N	4.8		1.1	22	QINGHAI PROVINCE, CHINA
	22	20 20 00.2*	15.956	N	97.196	W	39	*	4.5		1.4	24	NEAR COAST OF OAXACA, MEXICO
	22	21 44 19.8?	6.07	S	114.93	E	555	?	3.8		0.5	9	BALI SEA
	22	22 28 17.6*	38.336	N	22.815	E	10	G			0.5	9	GREECE. ML 3.3 (ATH).
	22	22 49 32.0%	39.214	N	26.954	E	10	G			0.9	5	TURKEY
a	23	00 23 27.2	20.100	S	175.941	W	212	D	5.6		1.0	154	TONGA ISLANDS
	23	00 31 38.6%	61.559	N	6.788	E	10	G			0.8	6	SOUTHERN NORWAY. MD 2.4 (BER).
	23	02 46 51.4%	59.538	N	5.720	E	10	G			0.8	7	SOUTHERN NORWAY. MD 2.2 (BER).
	23	02 53 27.5	40.468	N	22.951	E	13				1.2	19	GREECE. ML 2.8 (SKO). MD 3.4 (ATH).
	23	03 01 52.2*	51.404	N	2.444	W	10	G			0.8	13	UNITED KINGDOM. ML 3.1 (LDG).
	23	03 17 03.4	37.943	N	20.912	E	49	?	4.0		1.5	43	IONIAN SEA. ML 3.9 (ROM), 3.8 (ATH).
	23	03 41 23.1	32.579	N	93.803	E	33	N	4.8		1.1	61	TIBET
	23	03 44 48.3?	44.22	N	114.24	W	5	G			0.5	9	WESTERN IDAHO. ML 3.2 (BUT).
	23	05 04 33.1*	24.560	S	66.183	W	33	N			1.4	6	SALTA PROVINCE, ARGENTINA
	23	06 19 55.0%	39.755	N	27.528	E	10	G			0.5	8	TURKEY
a	23	06 37 44.5	49.100	N	156.122	E	30	D	5.6	5.6	0.9	350	KURIL ISLANDS. Ms 5.5 (BRK). Felt (IV) on Shumshu and at Mys Vasilyeva, Paramushir.
	23	06 47 56.3	44.146	N	9.879	E	10	G			1.3	12	NORTHERN ITALY. ML 2.8 (LDG), 2.7 (GEN).
	23	07 29 58.4	38.056	N	20.990	E	41	*	3.9		1.4	37	GREECE. ML 3.7 (ATH).
	23	07 39 27.4	5.529	S	147.177	E	201		5.3		0.9	31	EAST PAPUA NEW GUINEA REGION
	23	08 22 02.6?	4.93	N	124.85	E	33	N	4.6		1.1	6	CELEBES SEA
	23	10 17 47.6?	43.43	N	127.54	W	10	G			0.4	28	OFF COAST OF OREGON. MD 3.1 (SEA).
	23	10 50 06.0?	40.30	N	144.74	E	33	N	4.5		0.3	6	OFF EAST COAST OF HONSHU, JAPAN
	23	11 20 49.6	35.751	N	120.358	W	10	G			0.9	11	CENTRAL CALIFORNIA. ML 2.6 (BRK).
a	23	11 43 09.7	20.320	N	94.395	E	70	D	5.2		0.9	233	BURMA
	23	12 16 32.0%	37.391	N	31.370	E	10	G			1.3	6	TURKEY
	23	12 40 00.7?	32.02	S	70.57	W	125	?			0.3	10	CHILE-ARGENTINA BORDER REGION
	23	12 50 13.6?	39.60	N	29.45	E	10	G			1.0	4	TURKEY
	23	12 52 24.3%	37.509	N	14.468	E	10	G			1.2	5	SICILY
a	23	13 31 52.1	49.092	N	156.118	E	33	D	5.1		0.9	190	KURIL ISLANDS
a	23	13 38 09.8	49.128	N	156.154	E	27	D	5.4	5.2	1.0	247	KURIL ISLANDS. Ms 5.0 (PAS). Felt (IV) on Shumshu and at Mys Vasilyeva, Paramushir.
	23	13 45 41.7*	44.506	N	129.551	W	10	G			0.5	33	OFF COAST OF OREGON. MD 3.5 (SEA).
a	23	13 48 35.6	44.423	N	129.455	W	10	G	5.3	5.5	1.0	182	OFF COAST OF OREGON
	23	13 49 58.8*	44.665	N	129.676	W	10	G	4.6		1.2	9	OFF COAST OF OREGON
	23	14 00 53.5*	49.073	N	156.238	E	33	N	4.7		0.7	25	KURIL ISLANDS
	23	14 48 03.0*	20.640	N	108.815	W	10	G	4.2		0.9	18	REVILLA GIGEDO ISLANDS REGION
	23	15 03 01.0	45.522	N	9.807	E	10	G			1.1	21	NORTHERN ITALY. ML 2.6 (LDG).
	23	15 04 11.7	45.476	N	9.732	E	11				1.0	23	NORTHERN ITALY. ML 2.6 (LDG).
	23	15 29 07.9?	37.71	N	21.05	E	33	N			1.6	10	SOUTHERN GREECE. ML 3.2 (ATH).
	23	15 31 53.6	34.175	N	91.973	E	33	N	4.1		0.8	13	QINGHAI PROVINCE, CHINA
	23	15 49 49.4*	44.181	N	148.827	E	33	N	4.7		0.8	15	KURIL ISLANDS
	23	15 53 33.2?	61.96	N	3.84	E	10	G			0.7	5	NORWEGIAN SEA. MD 2.4 (BER).
	23	15 58 24.8?	44.63	N	129.36	W	10	G			0.5	32	OFF COAST OF OREGON. MD 3.0 (SEA).
	23	16 35 11.5	44.134	N	7.127	E	10	G			0.1	7	NORTHERN ITALY. ML 2.3 (GEN).
	23	16 44 58.8	42.861	N	18.328	E	10	G			0.9	17	YUGOSLAVIA. MD 2.9 (TTG).
	23	17 01 33.0?	37.54	N	20.32	E	10	G			1.3	6	IONIAN SEA. ML 3.3 (ATH).
	23	17 21 21.0	36.664	N	28.281	E	39	*	3.9		1.0	53	DODECANESE ISLANDS. ML 4.3 (ATH). Felt on Radhos.
	23	18 54 05.5?	49.08	N	156.29	E	33	N	4.8		0.3	7	KURIL ISLANDS
	23	22 08 49.3*	18.439	N	145.595	E	187	*	4.4		0.4	12	MARIANA ISLANDS
	23	22 34 21.7	39.692	N	20.561	E	10	G	3.6		1.2	40	GREECE-ALBANIA BORDER REGION. ML 4.0 (ATH), 4.1 (ROM).

	23	22 56 09 7*	49 135	N	156 277	E	33	N	4 8		0.7	20	KURIL ISLANDS
	23	22 56 54 6	38 174	N	26 724	W	10	G	4 8		1.2	90	AZORES ISLANDS
	24	00 23 15 6%	40 872	N	28 347	E	10	G			0.5	6	TURKEY
	24	03 13 59 4	62.258	N	153 989	W	33	N			1.0	7	CENTRAL ALASKA. ML 3 1 (PMR).
	24	04 38 50.4	40 029	N	3 202	W	10	G			0.4	6	SPAIN. MG 3.2 (MDD). Felt (III) in the Fuentiduena de Tajo area.
	24	05 58 24.4	43.929	N	19 195	E	10	G			1.2	10	YUGOSLAVIA. ML 2.9 (TTG).
	24	06 17 31.0*	31 044	S	69 078	W	126	?			0.9	12	SAN JUAN PROVINCE, ARGENTINA
	24	07 00 50.0%	43.250	N	8 095	E	10	G			0.1	5	CORSICA. ML 2.2 (LDG).
	24	08 21 48.5?	34.86	N	71 09	E	33	N	4.4		0.3	4	PAKISTAN
	24	08 29 31.9&	61.423	N	151.530	W	85					31	SOUTHERN ALASKA. <AGS-P>.
	24	08 47 07.8&	31.430	N	116 930	W	13		3.3			27	BAJA CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	24	09 05 00.0*	32.992	S	69.922	W	33	N			1.5	9	MENDOZA PROVINCE, ARGENTINA
	24	09 09 15.6*	4.776	S	103.026	E	92	*	5.0		1.0	20	SOUTHERN SUMATERA
	24	09 53 51.9%	39.139	N	27 699	E	10	G			0.6	5	TURKEY
	24	09 56 56.1%	39.117	N	27 573	E	10	G			0.3	5	TURKEY
	24	10 05 15.9%	39.055	N	27 646	E	10	G			1.1	6	TURKEY
	24	10 55 09.2*	10.510	N	86.254	W	14		4.1		0.9	21	OFF COAST OF COSTA RICA. MD 4.4 (HDC).
	24	11 08 35.1*	36.384	N	69.994	E	33	N	4.3		0.6	9	HINDU KUSH REGION
a	24	11 48 49.7	49 126	N	156 260	E	48	D	5.6	5.3	0.8	331	KURIL ISLANDS. Ms 5.4 (BRK). Felt (IV) on Shumshu. Felt (IV) at Mys Vasilyeva and (III) at Severa-Kurilsk, Paramushir.
	24	11 59 08.8?	41.75	N	12 38	E	10	G			0.7	5	SOUTHERN ITALY
	24	13 06 40.0%	39.518	N	28.139	E	10	G			1.0	8	TURKEY
	24	13 19 00.6	41.141	N	22.717	E	11				0.5	8	YUGOSLAVIA. ML 2.3 (SKO).
	24	15 54 35.8	46.289	N	9 388	E	10	G			1.0	10	SWITZERLAND
	24	16 07 21.7*	31.684	N	85.214	E	33	N	4.3		1.2	11	TIBET
	24	16 12 41.7	17.272	S	167.289	E	28		4.7	3.7	1.0	26	VANUATU ISLANDS
	24	16 15 34.8*	50.318	N	18.999	E	10	G			0.9	6	POLAND. ML 3.1 (KBA), 3.1 (VKA).
	24	16 30 44.5	43.610	N	21.192	E	10	G			0.9	14	YUGOSLAVIA ML 2.7 (TTG). Felt in the Krusevac area.
	24	16 43 01.3?	37.48	N	20.69	E	10	G			1.1	7	IONIAN SEA. ML 3.4 (ATH).
	24	17 01 58.4	35.206	N	52.257	E	33	N	4.9	4.3	1.3	99	IRAN. Felt at Tehran and Garmsar. Twelve smaller quakes were felt in the Garmsar area between 21 Oct 1319 UTC and 26 Oct 0027 UTC.
	24	17 18 14.5&	61.637	N	151.270	W	80					39	SOUTHERN ALASKA. <AGS-P>.
	24	17 25 01.5?	19.98	N	65.06	W	33	N			0.5	9	PUERTO RICO REGION
	24	18 48 45.6*	42.947	N	127.870	W	10	G			0.3	20	OFF COAST OF OREGON. MD 2.9 (SEA).
	24	19 07 23.6	43.371	N	126.926	W	10	G	4.6	4.3	0.7	128	OFF COAST OF OREGON
	24	19 45 58.6?	38.61	N	26.21	E	10	G			0.2	5	AEGEAN SEA
	24	20 22 12.8	43.871	N	19.329	E	10	G			1.3	9	YUGOSLAVIA. ML 2.7 (TTG).
	24	20 48 06.7	44.016	N	19.265	E	9				1.4	22	YUGOSLAVIA. ML 3.1 (VKA), 2.9 (KBA), 2.8 (TTG).
	24	21 06 26.0*	3.647	S	143.587	E	33	N	5.2		0.5	8	NEAR N COAST OF PAPUA NEW GUINEA
	24	22 02 15.7?	7.12	S	130.28	E	139	?	4.7		1.1	8	TANIMBAR ISLANDS REGION
	25	01 01 12.2?	31.58	S	72.04	W	33	N			1.1	13	OFF COAST OF CENTRAL CHILE
	25	02 39 12.6*	33.009	S	72.228	W	13				1.4	15	OFF COAST OF CENTRAL CHILE
	25	03 42 35.6	20.679	S	169.382	E	43	D	5.2	4.2	1.3	75	VANUATU ISLANDS
	25	05 04 28.1	41.707	N	22.808	E	10	G			0.8	8	YUGOSLAVIA. ML 2.1 (SKO).
	25	05 08 41.3?	44.87	N	128.89	W	10	G			0.5	45	OFF COAST OF OREGON. MD 3.5 (SEA).
	25	05 41 49.0&	38.810	N	122.835	W	2					19	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=5.3*10**13 Nm (BRK). Felt (IV) at Cabb and Lach Lamond.
	25	06 17 00.7*	43.757	N	12.545	E	10	G			1.1	5	CENTRAL ITALY
	25	07 13 02.0&	48.406	N	122.378	W	7					54	WASHINGTON. <SEA>. CL 2.8 (SEA). Felt in Skagit County.
	25	07 45 48.9*	24.434	S	66.226	W	33	N			1.3	6	SALTA PROVINCE, ARGENTINA
	25	10 06 24.3?	32.99	S	72.25	W	10	G			0.6	10	OFF COAST OF CENTRAL CHILE
	25	10 12 07.7?	32.85	S	72.79	W	10	G			0.5	10	OFF COAST OF CENTRAL CHILE
	25	10 28 10.9?	39.57	N	29.51	E	10	G			1.1	5	TURKEY
	25	10 30 02.3*	3.170	S	137.565	E	33	N	3.9		1.1	7	WEST IRIAN
	25	10 47 55.0?	60.70	N	5.61	E	0	G			0.5	4	SOUTHERN NORWAY. MD 2.3 (BER). Probable explosion.
	25	10 52 26.7%	40.640	N	29.067	E	10	G			1.0	8	TURKEY
	25	11 11 55.2&	37.528	N	122.072	W	13					15	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Mo=3.7*10**13 Nm (BRK). Felt at Atherton, Fremont, Newark and Palo Alto.
	25	11 12 47.4&	37.527	N	122.068	W	13					15	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Mo=7.5*10**13 Nm (BRK). Felt at Atherton, Fremont, Newark and Palo Alto.
	25	11 19 48.6*	7.121	S	106.080	E	92		4.9		0.9	26	JAVA
	25	11 24 57.7?	19.62	S	175.91	W	199	?	4.8		1.1	16	TONGA ;SLANDS
	25	11 37 50.1	37.978	N	21.103	E	58	*	4.1		0.7	22	SOUTHERN GREECE. MD 3.7 (ATH).
	25	11 46 09.3*	21.245	S	68.985	W	124	*			0.5	7	CHILE-BOLIVIA BORDER REGION
	25	13 57 01.3?	51.29	N	16.25	E	10	G			1.8	4	POLAND
	25	13 57 43.1&	57.106	N	142.958	W	10	G				32	GULF OF ALASKA. <AGS-P>.
	25	14 14 22.9%	39.092	N	27.702	E	10	G			0.2	5	TURKEY
	25	14 34 07.8	44.147	N	16.665	E	10	G			1.1	21	YUGOSLAVIA. ML 3.7 (ZAG), 3.7 (PTJ), 3.8 (TRI).
	25	14 39 41.1*	32.920	S	70.775	W	33	N			1.2	8	CHILE-ARGENTINA BORDER REGION
	25	14 43 24.9&	38.707	N	123.438	W	5		4.2			27	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.9 (BRK). Mo=3.1*10**15 Nm (BRK). Felt (V) at Annapolis, (IV) at Stewarts Point and (III) at Duncans Mills, Manchester and Point Arena. Felt in northwestern Sonoma County including Cotati, Cloverdale, Forestville, Santa Rosa and Sebastopol.
	25	15 00 50.5%	60.367	N	5.291	E	0	G			0.4	7	SOUTHERN NORWAY. MD 2.1 (BER). Probable explosion.
	25	15 01 25.8*	51.030	N	15.761	E	10	G			1.4	6	POLAND. ML 3.4 (VKA), 3.3 (KBA).
	25	16 23 18.8	8.092	S	120.023	E	221	*	4.7		1.1	23	FLORES ISLAND REGION
	25	16 34 20.3?	43.53	N	17.21	E	10	G			0.5	6	YUGOSLAVIA. ML 3.5 (TTG).
	25	16 56 32.4%	61.057	N	10.180	E	10	G			0.7	5	SOUTHERN NORWAY. MD 2.3 (BER).
	25	17 21 05.2?	37.89	N	20.92	E	10	G			1.4	8	IONIAN SEA. ML 3.3 (ATH).
	25	17 38 55.5	42.058	N	47.854	E	33	N	4.6		1.0	22	EASTERN CAUCASUS
	25	18 21 40.1*	40.866	N	22.829	E	10	G			0.3	5	GREECE. ML 1.9 (SKO).
	25	19 01 07.8*	18.215	S	72.817	W	38	?	4.6		1.0	12	OFF COAST OF NORTHERN CHILE
	25	20 00 00.7%	44.222	N	5 309	E	10	G			1.0	7	FRANCE. ML 2.5 (LDG).
	25	20 56 49.9?	7.93	S	128.92	E	189	?	4.2		0.8	7	BANDA SEA
	25	21 00 11.4*	34.020	S	71.436	W	33	N			0.5	10	NEAR COAST OF CENTRAL CHILE
	25	21 23 46.2*	16.923	S	174.271	W	33	N	4 4	4.5	1.3	29	TONGA ISLANDS

	25	21 41 21.9*	2 356	S	68.073	E	10	G	5.0		0.9	22	CARLSBERG RIDGE
	25	23 56 44 5	44.556	N	8.725	E	10	G			1.2	9	NORTHERN ITALY. ML 2.4 (GEN). 2 4 (LDG).
	26	01 08 52.6	35.588	N	139.423	E	10	G			0 8	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Tokyo and Yokahama.
	26	01 26 14.7&	59.536	N	152.537	W	66					23	SOUTHERN ALASKA. <AGS-P>
a	26	02 15 12.6	36.496	N	70.867	E	220	D	5.1		0.9	225	HINDU KUSH REGION. Felt (III) at Dushanbe, Gissar and Ishkashim; (II) at Kamarau and Tashkent, USSR. Felt at Abbattabad, Islamabad, Peshawar and Rawalpindi, Pakistan
	26	02 28 04.1*	17.417	N	62.966	W	10	G			0.5	10	LEEWARD ISLANDS. MD 3.9 (TRN). Felt on St. Kitts.
	26	02 40 17.0*	33.075	N	133.548	E	30	*			1.4	12	SHIKOKU, JAPAN. Felt (I JMA) at Kochi and Murotomisaki.
	26	02 46 08 5*	38.144	N	71 901	E	33	N	4.0		1.0	7	AFGHANISTAN-USSR BORDER REGION
	26	03 32 31.1%	41.783	N	13.126	E	10	G			0.8	6	SOUTHERN ITALY
	26	03 43 54 3	44.502	N	129.802	W	10	G	4.4		0.6	97	OFF COAST OF OREGON
	26	05 15 37.8	39.920	N	24.011	E	10	G			0.6	10	AEGEAN SEA
	26	05 23 25.5&	38.446	N	118 354	W	5					11	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.2 (REN).
	26	05 26 32.4*	17.421	N	62.970	W	10	G			0.4	11	LEEWARD ISLANDS. ML 3.9 (FDF). MD 4.1 (TRN). Felt on St. Kitts.
	26	05 48 21.6*	37.592	N	31.865	W	10	G	4.7	4.2	1.2	13	AZORES ISLANDS REGION
	26	05 58 35.9*	7.703	S	115.976	E	245	*	4.4		0.6	9	BALI SEA
	26	06 10 43.4*	27.215	N	111.629	W	10	G			1.2	16	GULF OF CALIFORNIA
	26	06 31 50.3	44.509	N	129.809	W	10	G	4.5		0.7	96	OFF COAST OF OREGON
	26	07 38 02.4	19.939	N	122.172	E	31	*	4.8		1.3	46	PHILIPPINE ISLANDS REGION
	26	08 51 22.1*	31.477	S	69.065	W	128	?			0.8	10	SAN JUAN PROVINCE, ARGENTINA
	26	09 54 13.1?	64.07	N	148.10	W	117	?			0.3	6	CENTRAL ALASKA
	26	10 10 27.6	37.872	N	27.561	E	30		4.8		1.3	20	TURKEY. ML 4.1 (ATH).
	26	10 44 19.2%	38.074	N	26.727	W	10	G			0.6	7	AZORES ISLANDS
a	26	11 16 12.7	49.066	N	156.240	E	33	N	4.8	4.7	0.9	50	KURIL ISLANDS
	26	12 00 57.1	17.368	N	62.978	W	10	G		3.6	0.6	13	LEEWARD ISLANDS. ML 4.3 (FDF). MD 4 3 (TRN). Felt on St. Kitts.
	26	12 31 05.0*	46.064	N	10.433	E	10	G			1.0	6	NORTHERN ITALY
	26	13 21 56.8&	10.090	N	85.616	W	37	G				5	COSTA RICA. <HDC>.
	26	13 54 39.8?	42.77	N	13.12	E	10	G			0.3	4	CENTRAL ITALY
	26	13 55 24.2?	64.90	N	148.83	W	33	N			1.8	4	CENTRAL ALASKA. ML 2.9 (PMR).
	26	14 14 26.1&	38.454	N	118.358	W	8					27	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.8 (REN). ML 4.0 (BRK). Felt (III) at Gabbs, Luning and Mina, Nevada.
	26	14 17 45.7?	58.14	N	6.38	E	10	G			1.0	6	SOUTHERN NORWAY. MD 2.6 (BER).
	26	14 49 24.0*	35.340	N	52.350	E	33	N	4.7		1.4	16	IRAN. Felt in the Garmsar area. Eight smaller quakes were felt in the area between 26 Oct 1525 UTC and 31 Oct 1332 UTC.
	26	15 26 29.8?	44.74	N	129.10	W	10	G			0.3	26	OFF COAST OF OREGON. MD 3.7 (SEA).
	26	16 51 14.4*	50.141	N	18.713	E	10	G			1.4	5	POLAND. ML 2.9 (KRA).
	26	17 09 25.1%	37.518	N	15.407	E	10	G			0.9	5	SICILY
	26	18 00 32.8*	72.035	N	74.863	W	10	G			1.5	10	BAFFIN ISLAND REGION
	26	18 24 54.2	17.384	N	62.813	W	9		4.9	4.1	1.0	36	LEEWARD ISLANDS. ML 4.6 (FDF). Felt on St. Kitts.
	26	18 25 03.3?	37.68	N	25.37	W	10	G			0.2	7	AZORES ISLANDS
	26	19 33 38.8*	47.230	N	9.478	E	10	G			1.1	5	GERMANY
	26	22 38 04.3%	38.284	N	26.517	W	10	G			0.4	7	AZORES ISLANDS
	27	00 14 36.6?	38.22	N	26.59	W	10	G			0.8	6	AZORES ISLANDS
a	27	00 31 08.7	35.109	N	35.199	W	10	G	5.2	4.7	0.8	178	NORTH ATLANTIC RIDGE
	27	00 33 03.3?	37.77	N	25.65	W	10	G			0.3	7	AZORES ISLANDS
	27	02 40 22.7*	11.309	S	118.109	E	33	N	3.2		1.3	8	SOUTH OF SUMBAWA ISLAND
	27	03 16 32.9&	39.029	N	117.987	W	0					11	NEVADA. <REN>. MD 3.5 (REN).
	27	04 07 39.9?	44.73	N	128.91	W	10	G			0.3	33	OFF COAST OF OREGON. MD 3.1 (SEA).
	27	04 25 26.6*	45.247	N	6.558	E	10	G			0.1	5	FRANCE
	27	04 34 53.8	42.997	N	12.953	E	10	G			0.8	7	CENTRAL ITALY
	27	05 00 36.1*	57.170	N	155.051	W	33	N			1.2	30	ALASKA PENINSULA. ML 3.7 (PMR).
	27	05 20 36.1&	62.954	N	150.677	W	92					25	CENTRAL ALASKA. <AGS-P>.
	27	05 24 30.3*	63.713	N	145.566	W	10	G			2.1	6	CENTRAL ALASKA. ML 3.3 (PMR).
	27	06 26 56.7*	26.691	N	127.796	E	59		4.5		0.5	12	RYUKYU ISLANDS. Felt (II JMA) at Naga and (I JMA) at Naha.
	27	06 46 46.9*	7.474	S	128.640	E	158	*	4.5		1.4	16	BANDA SEA
	27	07 23 50.2	34.275	N	91.960	E	33	N	4.5		1.5	26	QINGHAI PROVINCE, CHINA
	27	08 02 32.8&	38.460	N	118.341	W	12		3.9			30	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.6 (REN). ML 4.1 (BRK). Felt (III) at Luning and Mina, Nevada. Fareshack, ML 2.5 (BRK), about 6 seconds earlier.
	27	09 02 04.8%	15.845	N	60.819	W	10	G			0.2	6	LEEWARD ISLANDS. ML 2.4 (FDF).
	27	09 02 49.7&	59.664	N	153.052	W	108					49	SOUTHERN ALASKA. <AGS-P>.
	27	09 50 55.5	7.422	S	128.994	E	128	*	5.0		1.2	45	BANDA SEA
	27	10 34 30.1*	7.414	S	128.714	E	189	*	4.6		1.3	17	BANDA SEA
a	27	10 56 11.8	46.971	S	10.870	W	10	G	5.2	4.9	0.9	65	SOUTH ATLANTIC RIDGE
	27	11 13 24.0?	13.11	S	118.51	E	33	N			1.1	7	NORTHWEST OF AUSTRALIA
	27	12 08 43.6*	10 540	N	86.064	W	52	*	4.7	4.0	1.3	48	OFF COAST OF COSTA RICA
	27	13 03 32.7?	59.13	N	9.36	E	10	G			0.8	4	SOUTHERN NORWAY. MD 2.3 (BER).
	27	14 22 12.7	66.848	N	9.303	E	10	G			1.2	20	NORWEGIAN SEA. ML 3.7 (NAO). MD 3.4 (BER). Felt.
	27	14 29 42.7?	27.12	S	71.46	W	33	N			1.2	9	NEAR COAST OF NORTHERN CHILE
a	27	15 07 17.5	7.381	S	120.295	E	596		5.5		0.9	217	FLORES SEA
	27	16 22 15.3?	40.33	N	141.70	E	33	N			1.2	6	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Miyaka.
	27	16 49 31.9*	39.198	N	26.240	E	10	G			0.9	7	TURKEY. MD 3.1 (ATH).
	27	17 24 38.8?	11.94	N	87.95	W	33	N	4.7		0.4	10	NEAR COAST OF NICARAGUA
	27	17 57 34.5?	62.47	N	7.76	E	10	G			1.5	7	SOUTHERN NORWAY. MD 2.5 (BER).
	27	17 58 24.0?	34.16	S	70.13	W	10	G			0.5	8	CHILE-ARGENTINA BORDER REGION
	27	18 12 04.3*	34.186	N	91.891	E	33	N			1.0	10	QINGHAI PROVINCE, CHINA
	27	18 21 51.1?	37.71	N	25.35	W	10	G			0.4	6	AZORES ISLANDS
	27	19 19 43.8%	41.814	N	15.460	E	10	G			0.6	5	SOUTHERN ITALY
	27	19 40 50.2?	24.38	S	179.73	E	543	?	4.9		0.9	22	SOUTH OF FIJI ISLANDS
	27	20 14 47.3	38.449	N	26.204	E	10	G			1.1	8	AEGEAN SEA. ML 3.1 (ATH).
	27	22 47 24.2?	66.94	N	8.77	E	10	G			1.2	6	NORWEGIAN SEA. MD 3.0 (BER).
	27	22 52 02.9%	38.094	N	26.696	W	10	G			0.4	8	AZORES ISLANDS
	27	23 21 13.3%	47.004	N	2.165	E	10	G			1.3	12	FRANCE. ML 2 8 (LDG).
	28	00 47 39.1%	15.768	N	61 448	W	10	G			0.1	5	LEEWARD ISLANDS ML 2.5 (FDF).

	28	01	38	11 4%	39 116	N	28 035	E	10	G		0.5	5	TURKEY
	28	02	08	02 5*	39 480	N	25 835	E	10	G		1 4	5	AEGEAN SEA MD 2 9 (ATH)
	28	02	19	55 5	39.390	N	25 828	E	10	G		1 1	8	AEGEAN SEA
	28	03	18	43.6*	34 011	S	70 275	W	10		4.0	0.8	15	CHILE-ARGENTINA BORDER REGION
	28	04	56	16 1*	23 011	N	142 722	E	33	N	4 0	0 5	9	VOLCANO ISLANDS REGION
	28	05	15	03.9	51.225	N	176 742	W	46	D	5.0	1.0	92	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak
	28	05	37	50.6	44 669	N	7.282	E	10	G		0 4	14	NORTHERN ITALY. ML 2.8 (LDG), 2.7 (GEN).
	28	05	49	13.8	38.010	N	20 862	E	33	N		1.3	30	GREECE. ML 3 9 (ATH).
o	28	06	13	46 2	35.019	N	140 191	E	81		5.1	1.0	140	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Yokohama; (II JMA) at Tateyama, Tokyo, Mito, Kofu, Choshi and on Oshima; (I JMA) at Shirakawa.
	28	09	02	16.9?	2 98	N	97.30	E	131	?		0.3	5	NORTHERN SUMATERA
o	28	10	37	52.7	0.346	S	122.189	E	15	D	5.7 4.9	1.2	130	MINAHASSA PENINSULA
	28	11	45	29.7%	60.293	N	5.514	E	0	G		0.3	6	SOUTHERN NORWAY MD 2.1 (BER). Probable explosion.
	28	12	49	26.4*	51 169	N	16.098	E	10	G		0.5	6	POLAND. ML 3 6 (VKA), 3.3 (KBA).
	28	14	12	54.4?	37.28	N	25.05	W	10	G		0.1	7	AZORES ISLANDS
o	28	14	49	30 3	16.343	S	174.233	W	139	D	5.5	1.1	199	TONGA ISLANDS
	28	15	22	19.8?	9.01	S	129.67	E	200	?	4.9	1.2	7	TIMOR SEA
	28	15	31	10.8?	4.76	S	131.42	E	33	N		1.2	6	BANDA SEA
	28	17	45	06.2	16.589	S	166.906	E	33	N	4.6 4.1	1.1	40	VANUATU ISLANDS
	28	17	56	10.7?	10.32	N	86.66	W	33	N		0.6	10	OFF COAST OF COSTA RICA. MD 4.0 (HDC).
	28	18	48	46.8	37.794	N	15.190	E	10	G		0.9	28	SICILY. ML 3.5 (ROM).
	28	19	22	43.7%	37.824	N	15.156	E	10	G		0.9	12	SICILY. ML 2.6 (ROM).
	28	19	28	43.3	38.073	N	20.345	E	11		3 7	1.2	23	GREECE. ML 4.0 (ATH).
	28	19	54	41.6*	10.160	S	118.811	E	55	?	4 8	1.5	25	SOUTH OF SUMBAWA ISLAND
	28	20	02	48.9	37.511	N	116.527	W	5	G		0.5	35	SOUTHERN NEVADA. MD 3.1 (REN).
	28	20	45	46.3%	37.763	N	25.542	W	10	G		1.0	5	AZORES ISLANDS
	28	22	05	39.4	34.933	N	5.820	W	10	G		1.3	16	MOROCCO. MG 3.5 (MDD).
	28	22	10	59.4&	40.732	N	111.970	W	7				3	UTAH. <SLC-P>. ML 1.8 (SLC). Felt at West Valley City.
	28	22	34	28.2?	37.48	N	25.27	W	10	G		0.1	7	AZORES ISLANDS
a	28	23	03	44.9	14.061	N	146.624	E	34	*	5.1 4.8	1.0	96	MARIANA ISLANDS
	28	23	22	03.0	42.332	N	16.663	E	24			1.0	28	ADRIATIC SEA. ML 3.9 (TRI). MD 3.9 (KBA).
	28	23	29	58.2%	39.496	N	28.222	E	10	G		0.8	5	TURKEY
	29	00	05	34.3	40.383	N	125.798	W	10	G	4.3	0.6	54	OFF COAST OF NORTHERN CALIFORNIA
	29	01	40	59.6?	37.36	N	25.10	W	10	G		0.2	7	AZORES ISLANDS
	29	02	01	08.7?	52.94	N	36.20	W	10	G	4.6	0.8	11	NORTH ATLANTIC OCEAN
	29	02	20	03.9&	19.209	N	155.548	W	0				45	HAWAII. <HVO-P>. MD 4.1 (HVO). Felt at Pahala.
	29	02	50	28.3*	37.752	N	25.334	W	10	G		0.2	7	AZORES ISLANDS
	29	02	56	45.8	4.702	S	101.856	E	33	N	5.0 4.7	1.1	36	SOUTHERN SUMATERA
	29	03	32	49.7	43.157	N	18.787	E	10	G		1.2	9	YUGOSLAVIA. ML 2.4 (TTG).
	29	03	39	35.2?	37.65	N	25.33	W	10	G		0.4	6	AZORES ISLANDS
	29	03	56	55.1	43.287	N	126.620	W	10	G	4.7 4.3	0.7	87	OFF COAST OF OREGON
	29	03	57	35.0	39.577	N	23.884	E	10	G		0.6	13	AEGEAN SEA. ML 3.0 (ATH).
	29	04	13	24.1	36.075	N	28.105	E	33	N	4.7	1.3	21	DODECANESE ISLANDS. ML 4.2 (ATH).
	29	05	31	26.8	45.627	N	6.948	E	10	G		0.3	10	FRANCE. ML 2.5 (GEN).
	29	06	09	09.1	38.002	N	0.581	W	10	G		1.1	14	SPAIN. MG 3.5 (MDD). Felt (IV) in the Guardamar de Segura area.
	29	07	18	53.9?	37.62	N	25.30	W	10	G		0.2	5	AZORES ISLANDS
	29	08	47	04.8&	47.633	N	122.835	W	47				62	WASHINGTON. <SEA>. CL 2.9 (SEA).
a	29	09	10	52.5	27.871	N	85.648	E	18	D	5.4 4.8	1.0	193	NEPAL. Felt at Birgunj, Kathmandu and Janakpur. Also felt at New Delhi, India.
	29	09	31	23.9?	10.37	S	119.54	E	33	N	3.6	1.4	8	SUMBA ISLAND REGION
	29	09	39	55.6*	35.410	N	104.247	E	72	*		0.7	6	GANSU PROVINCE, CHINA
	29	11	32	03.0?	33.78	S	71.57	W	29	`		0.2	7	NEAR COAST OF CENTRAL CHILE
	29	12	07	49.9?	37.62	N	25.33	W	10	G		0.1	6	AZORES ISLANDS
	29	12	15	40.1%	37.733	N	25.363	W	10	G		0.2	7	AZORES ISLANDS
	29	12	22	11.0?	37.31	N	25.01	W	10	G		0.1	7	AZORES ISLANDS
	29	12	30	36.1?	37.81	N	25.53	W	10	G		0.3	5	AZORES ISLANDS
	29	13	55	28.8	43.220	N	20.944	E	10	G		1.1	16	YUGOSLAVIA. ML 2.6 (TTG).
	29	14	45	15.2%	40.373	N	29.014	E	10	G		0.4	5	TURKEY
	29	15	37	01.6*	5.160	N	126.723	E	33	N	4.6	1.1	16	MINDANAO, PHILIPPINE ISLANDS
	29	16	33	01.9?	35.86	S	97.80	W	10	G	4.8	1.5	12	WEST CHILE RISE
	29	16	44	16.4	44.397	N	129.690	W	10	G	4.2	0.4	65	OFF COAST OF OREGON
	29	18	46	12.6?	19.04	N	144.49	E	432	*	4.1	0.6	10	MARIANA ISLANDS
	29	19	56	12.1*	27.268	S	176.324	W	41	D	4.7	1.3	14	KERMADEC ISLANDS REGION
	29	20	52	42.4	24.888	S	151.602	E	10	G		0.7	9	QUEENSLAND, AUSTRALIA. ML 3.4 (RMQ), 3.3 (QDM). Felt at Burnett and Monta.
	29	21	02	29.7?	37.56	N	25.29	W	10	G		0.1	7	AZORES ISLANDS
	29	21	03	17.6	45.505	N	6.379	E	10	G		1.1	23	FRANCE. ML 2.9 (LDG).
	29	22	41	25.6&	60.031	N	152.829	W	88				29	SOUTHERN ALASKA. <AGS-P>.
	29	23	16	52.0*	36.859	N	141.245	E	63	*	4.5	1.0	10	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito, Onahama and Utsunomiya.
	30	00	39	37.6&	40.382	N	125.957	W	5	G	4.2		55	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK).
	30	00	48	49.5*	2 976	N	77.521	W	91	*	4.4	0.8	17	NEAR WEST COAST OF COLOMBIA
	30	02	34	30.9?	37.37	N	25.14	W	10	G		0.3	7	AZORES ISLANDS
	30	05	48	28.9*	35.456	N	73.819	E	33	N		0.3	7	NORTHWESTERN KASHMIR
	30	07	25	25.3	37.890	N	20.907	E	10	G	3.8	1.0	24	IONIAN SEA. ML 3.7 (ATH).
	30	07	58	55.6*	7.411	S	115.331	E	251	*	5.0	1.3	29	BALI SEA
a	30	08	36	27.0*	21.098	N	45.848	W	10	G	5.0 4.6	1.2	46	NORTH ATLANTIC RIDGE
	30	09	32	42.0	60.456	N	152.101	W	87	D	4.8	1.1	170	SOUTHERN ALASKA. Felt (IV) at Anchorage, Homer and Kenai; (III) at Chugiak, Nikiski, Ninilchik, Palmer, Skwentna and Tyonek.
	30	10	09	43.0	38.543	N	20.463	E	10	G		0.8	18	GREECE. ML 3.6 (ATH).
	30	11	28	40.4*	21.132	S	68.168	W	151	*		1.2	11	CHILE-BOLIVIA BORDER REGION
	30	12	11	57.6&	59.643	N	151.380	W	39				33	KENAI PENINSULA, ALASKA. <AGS-P>.
	30	12	30	06.5	38.511	N	20.479	E	10	G		1.1	17	GREECE. ML 3.7 (ATH).
	30	13	24	06.3	39.096	N	21.830	E	10	G		0.6	12	GREECE. MD 3.0 (ATH).
	30	13	31	37.6?	50.83	N	177.73	W	33	N	4.1	1.3	10	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR).
	30	15	04	41.4&	56.843	N	152.311	W	23				16	KODIAK ISLAND REGION. <AGS-P>.
	30	16	25	00.7?	36.22	N	140.10	E	69	?		0.2	5	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito and (I JMA) at Utsunomiya and Kumagaya.
	30	16	39	26 6	52 038	N	170.761	W	33	N	4.6	0.7	30	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
	30	17	02	38 7?	9 97	S	129.37	E	33	N	4.4	1.5	5	TIMOR SEA

	30	17 33 52 5*	5 643 S	131.035 E	98 *	4.7		1 3	22	BANDA SEA
	30	18 42 31 6?	44 41 N	7.32 E	10 G			0 4	4	NORTHERN ITALY ML 2 3 (GEN)
	30	19 22 54 4%	37 738 N	25.357 W	10 G			0 3	7	AZORES ISLANDS
	30	20 02 19.2&	34 600 N	120.720 W	11				20	SOUTHERN CALIFORNIA <PAS-P>. ML 3 4 (PAS), 3.3 (BRK).
	30	21 12 54.6*	20 984 S	178 703 W	571 ?	4.6		0 6	24	FIJI ISLANDS REGION
	30	23 17 49.3	46 078 N	149.572 E	144 *	5.3		0.8	201	KURIL ISLANDS
	31	00 05 24.2	33.950 N	34.576 E	10 G			1.0	11	EASTERN MEDITERRANEAN SEA MG 3.5 (HLW)
	31	00 11 26.0*	44.081 N	153.446 E	33 N	5.1		1.2	28	KURIL ISLANDS REGION
	31	00 26 34.4?	35.21 N	139.16 E	10 G			0 2	4	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Kawaguchi-ka.
	31	02 02 45.5*	9.348 S	149.938 E	26 *	4.3 3.8		0.9	10	EAST PAPUA NEW GUINEA REGION
a	31	02 08 15.3	23.565 S	66 618 W	243 D	5.2		1.3	104	JUJUY PROVINCE, ARGENTINA. Felt (III) at Antofagasta, Chile.
	31	02 50 24.9	37.901 N	20.983 E	14	3.8		1.0	27	IONIAN SEA. ML 3.8 (ATH).
	31	02 53 48.8*	45.192 N	25.975 E	10 G			1.4	7	ROMANIA
	31	02 59 51.6	37.931 N	20.909 E	46	4.2 3 6		0.9	65	IONIAN SEA. MD 4.2 (ATH).
	31	03 16 40.4*	37 991 N	20.928 E	17	3.8		1.1	14	IONIAN SEA. ML 3.7 (ATH).
	31	03 18 20.5%	37.191 N	4.146 W	10 G			1.0	8	SPAIN MG 3.1 (MDD).
	31	04 15 19.2*	28.182 N	54.953 E	33 N	4.0		1.1	9	SOUTHERN IRAN
	31	04 17 31.9	60.342 N	151.931 W	95	4.5		1.0	68	KENAI PENINSULA, ALASKA. Felt (III) at Homer and (II) at Palmer.
	31	04 31 37.4	43.148 N	18.827 E	10 G			0.7	8	YUGOSLAVIA. ML 2.4 (TTG).
	31	06 10 59.9	38.006 N	20.967 E	10 G	3.8		1.1	21	GREECE. ML 3.8 (ATH).
	31	06 21 39.6*	34.605 N	120.870 W	5 G			0.5	10	SOUTHERN CALIFORNIA. ML 2.5 (BRK).
	31	06 51 09.5	36.180 N	5.721 W	73			0.9	46	STRAIT OF GIBRALTAR. MG 4.2 (MDD).
	31	07 23 28.1	39.450 N	23.858 E	21			0.6	12	AEGEAN SEA ML 3.1 (ATH).
	31	08 42 38.3?	40.01 N	29.65 E	10 G			0.7	5	TURKEY
	31	09 25 58.9*	54 491 N	160.872 E	33 N	4.8		1.0	29	NEAR EAST COAST OF KAMCHATKA
a	31	10 12 58.4	36.443 N	2.759 E	12	5.4 5.6		1.2	271	ALGERIA. Fifty-seven people injured, 200 left homeless and considerable damage in the Blida area. Felt in the Medea-Algiers area.
	31	10 59 29.7*	44.271 N	7.504 E	10 G			0.1	5	NORTHERN ITALY. MD 1.0 (STR).
	31	12 37 02.2*	39.225 N	27.791 E	10 G			0.9	5	TURKEY
	31	12 44 51.1?	34.03 S	70.09 W	10 G			0.3	8	CHILE-ARGENTINA BORDER REGION
	31	14 37 37.3?	20.76 S	178.65 W	621 ?	4.5		0.9	24	FIJI ISLANDS REGION
	31	14 59 51.7?	63.31 N	10.30 E	10 G			1.4	4	SOUTHERN NORWAY. MD 2.6 (BER).
	31	17 47 15.8?	38.32 N	26.63 W	10 G			0.3	5	AZORES ISLANDS. Felt (II) at Angra do Heraismo and Ribeirinha, Terceira.
a	31	17 49 27.1*	21.695 S	179.026 W	536 *	5.0		1.0	42	FIJI ISLANDS REGION
	31	17 55 12.1*	13.567 S	166.561 E	33 N	5.3		0.9	11	VANUATU ISLANDS
	31	17 59 31.0&	33.977 N	118.323 W	4				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS). Felt in parts of Santa Monica and south-central Los Angeles.
	31	20 11 59.9*	9.823 N	92.908 E	86 ?	4.5		1.4	15	NICOBAR ISLANDS REGION
	31	20 34 13.7	5.065 N	125.570 E	201 *	4.6		0.8	37	MINDANAO, PHILIPPINE ISLANDS
	31	20 55 31.6?	37.67 N	25.39 W	10 G			0.4	7	AZORES ISLANDS
	31	22 33 09.5&	31.490 N	115.680 W	6 G				4	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	31	23 00 31.8%	33.166 S	71.175 W	33 N			0.7	9	NEAR COAST OF CENTRAL CHILE
	31	23 02 57.7*	1.983 N	126.531 E	90 ?	4.6		1.1	18	MOLUCCA PASSAGE

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

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01 09 43 24.50  35.315S 106.048W  10km
   5.6mb ( 25 obs.)  5.7Msz (  8 obs.)
   EASTER ISLAND CORDILLERA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 16S, 47C  M.W.:  9S, 21C
   Centroid Location:
   Origin Time        09:43:33.6 0.1
   Lat 35.38S 0.02 Lon 106.21W 0.01
   Dep  15.0 FIX Half-duration  5.5
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  3.89  Plg=14  Azm= 50
     N       -0.83      75      255
     P       -3.07       6      141
   Best Double Couple:Mo=3.5*10**18
    NP1:Strike=186 Dip=76 Slip=   5
    NP2:        95     85      166

02 06 18 08.15  22.774S  66.261W 238km
   4.9mb ( 36 obs.)
   JUJUY PROVINCE, ARGENTINA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 21C
   Centroid Location:
   Origin Time        06:18:20.4 0.5
   Lat 22.36S 0.07 Lon  66.07W 0.07
   Dep 263.7 2.5 Half-duration  1.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.39  Plg=48  Azm=108
     N       -0.07      10        7
     P       -1.32      40      269
   Best Double Couple:Mo=1.4*10**17
    NP1:Strike=299 Dip=11 Slip=  22
    NP2:       188     86      100

03 00 45 53.40  10.272S 161.365E  90km
   5.5mb ( 28 obs.)
   SOLOMON ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 24C
   Centroid Location:
   Origin Time        00:45:53.5 1.2
   Lat 10.17S 0.10 Lon 160.98E 0.05
   Dep  66.8 BDY Half-duration  2.1
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.58  Plg=83  Azm=341
     N        0.16       6      131
     P       -1.75       4      221
   Best Double Couple:Mo=1.7*10**17
    NP1:Strike=317 Dip=42 Slip=  99
    NP2:       125     49       82

04 15 37 57.47   3.530S 150.402E  29km
   5.5mb ( 12 obs.)  6.0Msz ( 15 obs.)
   NEW IRELAND REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 32C
   Centroid Location:
   Origin Time        15:38: 3.5 1.0
   Lat  3.43S 0.08 Lon 150.70E 0.05
   Dep  15.0 FIX Half-duration  3.7
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.90  Plg=36  Azm=323
     N       -0.62      54      151
     P       -1.28       4       55
   Best Double Couple:Mo=1.6*10**18
    NP1:Strike=105 Dip=63 Slip=  24
    NP2:         3     69      150

05 01 00 06 95  14.776S 167.335E 149km
   5.4mb ( 21 obs.)
   VANUATU ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 24C
   Centroid Location:
   Origin Time        01:00:13.9 1.0
   Lat 14.64S 0.10 Lon 167.11E 0.06
   Dep 154.4 1.9 Half-duration  2.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.73  Plg=53  Azm=158
     N       -0.03      37      329
     P       -2.70       4       62
   Best Double Couple:Mo=2.7*10**17
    NP1:Strike=185 Dip=52 Slip= 140
    NP2:       303     59       46

05 09 20 15.50   3.490S 150.673E  10km
   5.0mb (  8 obs.)  5.0Msz (  6 obs.)
   NEW IRELAND REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 20C
   Centroid Location:
   Origin Time        09:20:20.8 2.0
   Lat  3.64S 0.16 Lon 150.45E 0.09
   Dep  15.0 FIX Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.78  Plg=25  Azm=327
     N       -0.28      64      158
     P       -1.50       4       59
   Best Double Couple:Mo=1.6*10**17
    NP1:Strike=106 Dip=69 Slip=  16
    NP2:        10     75      158

06 05 32 18.33  12.277N 141.926E  26km
   5.2mb (  5 obs.)  4.4Msz (  2 obs.)
   SOUTH OF MARIANA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 15C
   Centroid Location:
   Origin Time        05:32:15.7 2.1
   Lat 12 31N  FIX;Lon 141.98E  FIX
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   Dep  15.0 FIX Half-duration  1.3
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  4.02  Plg=11  Azm=147
     N        0.44      16       54
     P       -4.46      71      270
   Best Double Couple:Mo=4.2*10**16
    NP1:Strike=256 Dip=37 Slip= -63
    NP2.        43      58     -109

06 14 05 10.91   3.989S 104.263W  10km
   4.9mb (  5 abs.)  5.6Msz (  6 abs.)
   NORTHERN EASTER I. CORDILLERA
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 17S, 38C
   Centraid Lacatian:
   Origin Time        14:05:22 2 0.4
   Lat  3.63S 0.03 Lan 104.49W 0.03
   Dep  15.0 FIX Half-duratian  3.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  9.55  Plg=10  Azm=134
     N       -1.40      80      310
     P       -8.15       1       43
   Best Double Couple Mo=8.9*10**17
    NP1:Strike=178 Dip=83 Slip= 173
    NP2:       269      83        8

08 02 19 37.14  53.702N 163.067W  33km
   5.0mb ( 44 abs.)  4.5Msz (  1 obs.)
   UNIMAK ISLAND REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 19C
   Centraid Lacatian:
   Origin Time        02:19:38.8 2.2
   Lat 53.47N 0.18 Lan 162.48W 0.23
   Dep  21.3 8.2 Half-duratian  1.4
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  4.76  Plg=66  Azm=248
     N        0.52      24       68
     P       -5.28       0      158
   Best Double Couple:Mo=5.0*10**16
    NP1:Strike=271 Dip=50 Slip= 122
    NP2:        46      50       58

08 04 46 24.53  18.771S 172.415W  35km
   6.6mb ( 50 abs.)  6.8Msz ( 23 abs.)
   TONGA ISLANDS REGION
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=210 Dip=55 Slip=  90
    NP2:        30      35       90
   Principal Axes:
     T                Plg=80  Azm=120
     P                   10      300
   Comment: The focal mechanism is
     paarly contralled and
     correspands to reverse
     faulting. The preferred fault
     plane is NP1.
   RADIATED ENERGY
    Na. of sta:   6  Facal mech.  F
    Energy        5.9±1.8*10**14 Nm
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 17S, 51C  M.W.: 14S, 40C
   Centroid Lacotian:
   Origin Time        04:46:36.4 0.1
   Lat 18.82S 0.01 Lan 172.28W 0.01
   Dep  45.0 BDY Half-duration 13.0
   Principal Axes:
     Scale 10**19 Nm
     T  Val=  4.68  Plg=88  Azm=286
     N        0.29       0      196
     P       -4.97       2      106
   Best Double Cauple:Ma=4.8*10**19
    NP1:Strike=196 Dip=43 Slip=  90
    NP2:        16      47       90

08 14 39 51.11  28.716N 130.122E  48km
   5.2mb ( 23 obs.)  4.9Msz (  3 abs.)
   RYUKYU ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 17C
   Centroid Lacatian:
   Origin Time        14:39:54.8 2.5
   Lat 28.79N 0.22 Lon 130.17E 0.16
   Dep  53.112.3 Half-duratian  1.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1 37  Plg=49  Azm=  5
     N        0 15      23      244
     P       -1 52      31      139
   Best Double Couple.Mo=1 4*10**17
    NP1:Strike=180 Dip=26 Slip=  24
    NP2:        69      80      114

08 21 32 02.81   4 189N 126.544E  31km
   5.6mb ( 31 abs.)  5.4Msz ( 13 obs )
   TALAUD ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 28C
   Centraid Lacatian:
   Origin Time        21:32: 7.6 0.6
   Lat  4.33N 0.06 Lan 126.98E 0.04
   Dep  18.1 1.7 Half-duratian  3.5
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  9.44  Plg=84  Azm=165
     N       -0.26       5       15
     P       -9.17       3      285
   Best Double Cauple:Ma=9.3*10**17
    NP1:Strike= 10 Dip=42 Slip=  82
    NP2:       200      48       97

09 00 30 00.67  30.531N 137.702E 493km
   5.1mb ( 58 abs.)
   SOUTH OF HONSHU, JAPAN
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 18C
   Centraid Lacatian:
   Origin Time        00:30: 2.6 1.1
   Lat 30.55N  FIX;Lon 137.65E  FIX
   Dep 502.6 7.0 Half-duratian  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  8.71  Plg= 9  Azm=133
     N       -2.07      20       39
     P       -6.64      67      247
   Best Double Couple:Ma=7.7*10**16
    NP1:Strike=246 Dip=40 Slip= -57
    NP2:        26      58     -114

09 04 16 55.23   4.157N 126.579E  48km
   5.4mb ( 24 abs.)  4.6Msz (  7 abs.)
   TALAUD ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 18C
   Centroid Lacatian:
   Origin Time        04:16:57.5 0.9
   Lat  4.20N  FIX;Lan 126.74E  FIX
   Dep  19.7 4.6 Half-duratian  1.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.08  Plg=76  Azm=204
     N        0.22      13        5
     P       -1.30       4       96
   Best Double Couple:Mo=1.2*10**17
    NP1:Strike=200 Dip=42 Slip= 109
    NP2:       355      51       73

09 17 03 53.02  35.942S 103.212W  10km
   5.3mb ( 15 abs.)  4.7Msz (  4 abs.)
   SOUTHERN PACIFIC OCEAN
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 16S, 37C
   Centraid Lacatian:
   Origin Time        17:03:59.3 0.3
   Lat 35.99S 0.04 Lan 103.14W 0.04
   Dep  15.0 FIX Half-duratian  2.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.95  Plg=13  Azm= 54
     N       -0.57      76      250
     P       -2.38       4      145
   Best Double Couple:Mo=2.7*10**17
    NP1:Strike=190 Dip=78 Slip=   7
    NP2:        99      83      168

10 05 52 10.48  42.639N 144.448E  57km
   5.8mb ( 82 abs.)
   HOKKAIDO, JAPAN  REGION
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=267 Dip=88 Slip=-105
    NP2:       170      15       -8
   Principal Axes:
     T                Plg=41  Azm= 11
     P                   45      162
   Comment: The facal mechanism is
     moderately well controlled ond
     corresponds to normol foulting
     with a small strike-slip
     camponent. The preferred fault
     plone is nat determined.
   MOMENT TENSOR SOLUTION
   Dep  64            Na. of sto: 13
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  5.13  Plg=34  Azm= 17
     N       -0.04      27      267
     P       -5.09      44      148
   Best Double Cauple:Mo=5.1*10**17
    NP1:Strike=164 Dip=27 Slip= -11
    NP2:       264      85     -117
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 30C
   Centroid Lacation:
   Origin Time        05:52:12.7 0.5
   Lat 42.49N 0.06 Lan 144.38E 0.05
   Dep  85.2 3.8 Half-duratian  3.0
   Principal Axes:
     Scole 10**17 Nm
     T  Val=  4.90  Plg=32  Azm= 29
     N        0.80      26      282
     P       -5.70      47      161
   Best Double Cauple:Ma=5.3*10**17
    NP1:Strike=171 Dip=27 Slip= -19
    NP2:       278      81     -116

10 06 31 28.07  13.704S 166.364E  37km
   5.3mb ( 14 abs.)  5.2Msz (  6 abs.)
   VANUATU ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 27C
   Centraid Lacation:
   Origin Time        06:31:28.9 0.5
   Lat 13.68S  FIX;Lan 166.35E  FIX
   Dep  36.8 3.3 Half-duratian  2.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.37  Plg=71  Azm=330
     N        0.99      14      193
     P       -3.36      12      100
   Best Double Cauple:Ma=2.9*10**17
    NP1:Strike=172 Dip=35 Slip=  65
    NP2:        22      59      107

10 07 19 22.24  22.778S 171.846E  37km
   5.7mb ( 20 abs.)  5.4Msz ( 10 abs.)
   LOYALTY ISLANDS REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 27C
   Centroid Location:
   Origin Time        07:19:32.7 1.4
   Lat 22.17S 0.17 Lan 171.62E 0.07
   Dep  51.5 6.2 Half-duratian  2.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.79  Plg=57  Azm=338
     N        0.00      27      121
     P       -2.79      17      220
   Best Double Cauple:Mo=2.8*10**17
    NP1:Strike=344 Dip=37 Slip= 139
    NP2:       108      67       61

10 18 20 25.05  28.644S 177.553W  28km
   6.5mb ( 48 abs.)  6.0Msz ( 14 abs.)
   KERMADEC ISLANDS REGION
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=140 Dip=52 Slip=  25
    NP2:        34      71      139
   Principal Axes:
     T                Plg=42  Azm=350
     P                   12       91
   Comment: The focal mechanism is
     paarly cantralled and
     carrespands to reverse
     faulting with a large strike-
     slip camponent. The preferred
     fault plane is not determined.
   RADIATED ENERGY
    Na. af sta:   6  Facal mech.  m
    Energy        9.5±1.8*10**12 Nm
   MOMENT TENSOR SOLUTION
   Dep  48            No. of sta: 11
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  3.11  Plg=70  Azm=344
     N        0.05      18      195
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   P        -3.16       10       102
 Best Double Couple Mo=3 1*10**18
  NP1:Strike=171 Dip=38 Slip=  61
  NP2:         27      57       111
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L.P.B.: 13S, 37C  M.W.   9S, 22C
 Centroid Location:
 Origin Time        18:20:35 9 0 2
 Lat 28.53S 0.02 Lon 177.43W 0 02
 Dep  62.7 0.9 Half-duration  4.8
 Principal Axes:
   Scale 10**18 Nm
   T  Vol=  2.26  Plg=78  Azm=267
   N        0.13       4        14
   P       -2.39      12       105
 Best Double Couple:Mo=2.3*10**18
  NP1:Strike=200 Dip=33 Slip=  97
  NP2:         12      57        86

10 19 26 41.55   5.824S 103.142E  36km
 5.5mb ( 23 abs.)  5.2Msz (  8 obs.)
 SOUTHERN SUMATERA
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L.P.B.:  8S, 12C
 Centroid Location:
 Origin Time        19:26:33.6 1.3
 Lat  5.88S  FIX,Lon 103.11E  FIX
 Dep  33.618.5 Half-duration  2.4
 Principal Axes:
   Scale 10**17 Nm
   T  Vol=  3.06  Plg=29  Azm= 24
   N        1.68      51       158
   P       -4.74      24       280
 Best Double Couple:Mo=3.9*10**17
  NP1:Strike= 60 Dip=51 Slip= 175
  NP2:        153      86        39

12 03 27 00.64  43.997N 148.604E  66km
 5.4mb ( 62 obs.)
 KURIL ISLANDS REGION
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L.P.B.: 12S, 23C
 Centroid Location:
 Origin Time        03:27: 1.0 0.8
 Lat 43.94N  FIX;Lon 148.58E  FIX
 Dep  73.3 6.6 Half-duration  1.5
 Principal Axes:
   Scale 10**16 Nm
   T  Vol=  5.55  Plg=25  Azm= 27
   N        1.13      64       219
   P       -6.68       4       119
 Best Double Couple:Mo=6.1*10**16
  NP1:Strike=166 Dip=69 Slip=  15
  NP2:         71      76       158

12 09 27 35.44  15.989N  92.613W 172km
 5.2mb ( 11 obs.)
 MEXICO-GUATEMALA BORDER REGION
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L.P.B.:  9S, 15C
 Centroid Location:
 Origin Time        09:27:40.8 2.3
 Lat 16.21N 0.23 Lon  92.08W 0.22
 Dep 173.7 4.3 Half-duration  1.5
 Principal Axes:
   Scale 10**16 Nm
   T  Vol=  8.53  Plg=38  Azm= 92
   N       -2.85      37       218
   P       -5.68      31       334
 Best Double Couple:Mo=7.1*10**16
  NP1:Strike=119 Dip=37 Slip= 173
  NP2:        215      86        53

13 00 32 12.77  61.876N 169.627E  33km
 5.5mb ( 61 obs.)  5.5Msz ( 11 obs.)
 EASTERN SIBERIA
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L.P.B.: 10S, 25C
 Centroid Location:
 Origin Time        00:32:16.3 0.6
 Lat 61.89N  FIX;Lon 169.61E  FIX
 Dep  15.0 BDY Half-duration  2.6
 Principal Axes:
   Scale 10**17 Nm
   T  Vol=  3.21  Plg=36  Azm= 37
   N        0 85      50       186
   P       -4.07      16       296
 Best Double Couple:Mo=3.6*10**17
  NP1 Strike= 70 Dip=53 Slip= 164
  NP2         170      77        39

14 19 11 40 98  23 208S  68 178W  97km
 5 3mb ( 10 obs )
 NORTHERN CHILE
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used. GDSN
 L P B.·  9S, 19C
 Centroid Location
 Origin Time        19:11 54 5 0 4
 Lot 23 21S 0 08 Lon  67 69W 0 10
 Dep 146.0 2.5 Half-duration  1 7
 Principal Axes:
   Scale 10**17 Nm
   T  Vol=  1.69  Plg=13  Azm= 67
   N       -0.29       4       336
   P       -1 40      76       228
 Best Double Couple:Mo=1.6*10**17
  NP1:Strike=162 Dip=32 Slip= -82
  NP2:        333      58       -95

16 06 15 29.38  37 525N  25.361W  10km
 5.1mb ( 39 abs.)  5 0Msz (  5 abs.)
 AZORES ISLANDS
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L.P.B.: 10S, 20C
 Centraid Locotion:
 Origin Time        06:15:31.5 0.8
 Lat 37.38N 0.08 Lon  25.16W 0.08
 Dep  15.0 FIX Half-durotion  1.7
 Principal Axes:
   Scale 10**16 Nm
   T  Vol=  9.00  Plg= 0  Azm=258
   N       -0.21      90       180
   P       -8.79       0       168
 Best Double Couple:Mo=8.9*10**16
  NP1:Strike=303 Dip=90 Slip= 180
  NP2:         33      90         0

16 09 40 20.06  12.078N 143.626E  17km
 5.4mb ( 26 abs.)  4.6Msz (  3 abs.)
 SOUTH OF MARIANA ISLANDS
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 22C
 Centroid Location:
 Origin Time        09:40:27.4 0.9
 Lot 12.19N 0.09 Lon 143.48E 0.08
 Dep  15.0 FIX Half-duration  1.5
 Principal Axes:
   Scale 10**16 Nm
   T  Vol=  6.97  Plg= 9  Azm=258
   N       -0.08      52         0
   P       -6.89      37       161
 Best Double Couple:Mo=6.9*10**16
  NP1:Strike=307 Dip=57 Slip=-158
  NP2:        204      72       -35

16 12 09 27.72  21.856N 121.699E  33km
 5.3mb ( 38 abs.)  5.8Msz (  7 abs.)
 TAIWAN REGION
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L.P.B.:  9S, 26C
 Centroid Location:
 Origin Time        12:09:27.6 0.6
 Lat 21.65N 0.05 Lon 121.52E 0.07
 Dep  15.0 FIX Half-duration  4.0
 Principal Axes:
   Scale 10**17 Nm
   T  Vol= 14.27  Plg=19  Azm= 20
   N       -1.92      62       250
   P      -12.36      20       118
 Best Double Couple:Mo=1.3*10**18
  NP1:Strike=159 Dip=62 Slip=  -1
  NP2:        249      89      -152

16 12 34 05.66  37.938N  20.932E  25km
 5.5mb ( 56 obs.)  5.8Msz (  5 abs.)
 IONIAN SEA
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 25C
 Centroid Location:
 Origin Time        12:34:13.3 0.8
 Lat 37.95N  FIX;Lon  20.90E  FIX
 Dep  29.0 FIX Half-duration  3.0
 Principal Axes:
   Scale 10**17 Nm
   T  Vol=  8 57  Plg= 8  Azm=166
   N       -2 20      76        43
   P       -6 37      12       258
 Best Double Couple Mo=7 5*10**17
  NP1 Strike=301 Dip=76 Slip=  -3
  NP2         32      87      -166

17 05 56 54 15  51 254N 159.458E  37km
 5 5mb ( 63 abs.)  5 1Msz (  9 abs.)
 OFF EAST COAST OF KAMCHATKA
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L P.B.. 10S, 24C
 Centraid Locotion.
 Origin Time        05 56:59.9 0.8
 Lot 51 25N  FIX,Lon 159.51E  FIX
 Dep  15.0 FIX Half-duration  2.1
 Principal Axes:
   Scale 10**17 Nm
   T  Vol=  1.76  Plg=76  Azm=289
   N        0.57       2        27
   P       -2.34      14       117
 Best Double Couple:Mo=2.1*10**17
  NP1:Strike=210 Dip=31 Slip=  94
  NP2:         25      59        88

17 06 07 12.48  51.186N 159.394E  35km
 5.2mb ( 44 abs.)  5.1Msz (  2 abs.)
 OFF EAST COAST OF KAMCHATKA
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L P.B.:  8S, 17C
 Centraid Locotion:
 Origin Time        06:07:19.7 3.1
 Lot 51.43N 0.19 Lon 159.66E 0.40
 Dep  29.212.5 Half-duration  1.7
 Principal Axes:
   Scale 10**16 Nm
   T  Vol=  8.38  Plg=73  Azm=259
   N        5.97      13        38
   P      -14.34      11       131
 Best Double Couple:Mo=1.1*10**17
  NP1:Strike=236 Dip=36 Slip= 112
  NP2:         29      57        75

18 02 26 01.79   7.324N  35.892W  10km
 5.2mb ( 49 abs.)  5.0Msz (  5 abs.)
 CENTRAL MID-ATLANTIC RIDGE
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 38C
 Centraid Location:
 Origin Time        02:26:11.9 0.5
 Lat  7.74N 0.04 Lon  35.70W 0.04
 Dep  20.7 FIX Half-duration  1.7
 Principal Axes:
   Scale 10**16 Nm
   T  Vol=  9.92  Plg= 0  Azm=224
   N       -0.36      90       180
   P       -9.56       0       134
 Best Double Couple:Mo=9.7*10**16
  NP1:Strike=269 Dip=90 Slip= 180
  NP2:        359      90         0

19 00 08 41.34  37.031N 141.703E  48km
 5.8mb ( 73 abs.)  5.4Msz (  8 abs.)
 NEAR EAST COAST OF HONSHU, JAPAN
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L.P.B.: 12S, 27C
 Centraid Location:
 Origin Time        00:08:41.7 0.3
 Lat 36.97N 0.03 Lon 141.89E 0.04
 Dep  35.3 2.4 Half-duration  2.5
 Principal Axes:
   Scale 10**17 Nm
   T  Vol=  2.97  Plg=74  Azm=303
   N        0.61       3       204
   P       -3.58      16       113
 Best Double Couple:Mo=3.3*10**17
  NP1:Strike=199 Dip=29 Slip=  85
  NP2:         25      61        93

20 02 30 54.37   4.750S 153.103E  57km
 5.4mb ( 21 abs.)
 NEW IRELAND REGION
 CENTROID, MOMENT TENSOR    (HRV)
 Data Used: GDSN
 L P.B.: 14S, 32C
 Centroid Location:
 Origin Time        02:30:56.7 0.4
 Lat  4.92S 0.04 Lon 153.32E 0.04
 Dep  56.5 4.1 Half-duration  2.4
 Principal Axes:
   Scale 10**17 Nm
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    T  Val=  2.93  Plg= 7  Azm= 36
    N       -0 20      67      143
    P       -2 73      22      303
  Best Double Cauple:Ma=2 8*10**17
   NP1 Strike= 81 Dip=70 Slip=-169
   NP2:        347     80      -21

21 08 51 41 05  15.310S 168.246E  27km
  5.3mb ( 18 abs.)
  VANUATU ISLANDS
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used· GDSN
  L.P B.:  8S, 17C
  Centroid Location:
  Origin Time        08:51:41.9 1.5
  Lat 15.39S 0 08 Lan 168 19E 0.13
  Dep  40.5 6.1 Half-duration  1 6
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  8.55  Plg=72  Azm=281
    N        1.78       6      173
    P      -10.33      17       82
  Best Dauble Cauple:Mo=9.4*10**16
   NP1:Strike=163 Dip=28 Slip=  78
   NP2:        356     62       96

22 16 04 13.33  49.044N 156.096E  50km
  5.6mb ( 71 abs.)  5.3Msz ( 10 obs.)
  KURIL ISLANDS
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 12S, 30C
  Centraid Lacatian:
  Origin Time        16:04:11.3 0.6
  Lat 49.06N 0.04 Lon 156.91E 0.07
  Dep  37.1 2.3 Half-duratian  2.3
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  2.22  Plg=78  Azm=320
    N        0.55       5      208
    P       -2.77      11      117
  Best Dauble Cauple:Ma=2.5*10**17
   NP1:Strike=201 Dip=34 Slip=  82
   NP2:         31     56       96

23 00 23 27.24  20.100S 175.941W 212km
  5.6mb ( 43 abs.)
  TONGA ISLANDS
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 13S, 29C
  Centraid Lacatian:
  Origin Time        00:23:33.1 0.4
  Lat 20.10S 0.04 Lan 175.76W 0.04
  Dep 216.9 1.4 Half-duration  2.7
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  4.13  Plg=39  Azm=123
    N        0.29      32        3
    P       -4.41      35      247
  Best Double Couple:Ma=4.3*10**17
   NP1:Strike=278 Dip=32 Slip=   5
   NP2:        184     88      122

23 06 37 44.55  49.100N 156.122E  30km
  5.6mb ( 85 obs.)  5.6Msz ( 21 obs.)
  KURIL ISLANDS
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 13S, 33C
  Centraid Lacatian:
  Origin Time        06:37:50.7 0.3
  Lat 49.25N 0.03 Lon 156.43E 0.04
  Dep  22.9 BDY Half-duration  3.4
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  7.49  Plg=77  Azm=314
    N        0.91       3      211
    P       -8.40      13      121
  Best Double Cauple:Ma=7.9*10**17
   NP1:Strike=207 Dip=32 Slip=  85
   NP2:         33     58       93

23 11 43 09.74  20.320N  94.395E  70km
  5.2mb ( 68 obs.)
  BURMA
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.:  9S, 17C
  Centraid Location:
  Origin Time        11:43:10.9 0.8
  Lat 20.74N 0.09 Lon  94 67E 0.10
  Dep  45.610 4 Half-duration  1.4
  Principal Axes·
    Scale 10**16 Nm
    T  Val=  5 20  Plg=21  Azm= 54
    N       -0 03      14      319
    P       -5 17      64      198
  Best Double Cauple:Ma=5.2*10**16
   NP1:Strike=168 Dip=27 Slip= -58
   NP2:        313     6B     -105

23 13 31 52.15  49.092N 156.118E  33km
  5.1mb ( 61 obs.)
  KURIL ISLANDS
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 12S, 24C
  Centroid Location.
  Origin Time        13:31:56.8 0.7
  Lat 49.09N  FIX;Lan 156.12E  FIX
  Dep  15.0 FIX Half-duration  1.7
  Principal Axes:
    Scole 10**17 Nm
    T  Val=  1.44  Plg=59  Azm=281
    N       -0.02       6       22
    P       -1.41      30      115
  Best Double Cauple:Mo=1.4*10**17
   NP1:Strike=224 Dip=16 Slip= 113
   NP2:         20     75       84

23 13 38 09.85  49.128N 156.154E  27km
  5.4mb ( 73 abs.)  5.2Msz (  6 obs.)
  KURIL ISLANDS
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 14S, 31C
  Centraid Lacatian:
  Origin Time        13:38:14.4 0.7
  Lat 49.20N 0.05 Lan 156.96E 0.10
  Dep  39.1 4.0 Half-duratian  2.5
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  2.63  Plg=78  Azm=335
    N        0.80       6      216
    P       -3.43      11      125
  Best Double Cauple:Ma=3.0*10**17
   NP1:Strike=208 Dip=35 Slip=  80
   NP2:         40     56       97

23 13 48 35.68  44.423N 129.455W  10km
  5.3mb ( 50 abs.)  5.5Msz (  5 abs.)
  OFF COAST OF OREGON
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 11S, 26C
  Centraid Lacatian:
  Origin Time        13:48:37.6 1.0
  Lat 44.15N 0.12 Lon 129.84W 0.10
  Dep  15.0 FIX Half-duratian  2.1
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  2.26  Plg= 0  Azm=249
    N       -0.37      90      180
    P       -1.89       0      159
  Best Dauble Couple:Ma=2.1*10**17
   NP1:Strike=294 Dip=90 Slip= 180
   NP2:         24     90        0

24 11 48 49.75  49.126N 156.260E  48km
  5.6mb ( 76 obs.)  5.3Msz ( 11 abs.)
  KURIL ISLANDS
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 12S, 27C
  Centraid Lacatian:
  Origin Time        11:48:52 4 0.6
  Lat 49.21N 0.04 Lon 156.66E 0.07
  Dep  27.0 2.6 Half-duratian  2.2
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  1.97  Plg=70  Azm=340
    N        0.44      12      214
    P       -2.40      16      121
  Best Double Couple:Mo=2.2*10**17
   NP1:Strike=193 Dip=31 Slip=  66
   NP2:         41     62      104

26 02 15 12.66  36.496N  70.867E 220km
  5.1mb ( 65 obs.)
  HINDU KUSH REGION
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 12S, 25C
  Centroid Location
  Origin Time        02:15:14.4 0.7
  Lat 35.76N 0.10 Lon  70.37E 0.10
  Dep 215.2 4 5 Half-duration  1.7
  Principal Axes
    Scale 10**16 Nm
    T  Val= 12.88  Plg=37  Azm= 39
    N       -4 95      52      208
    P       -7.93       6      305
  Best Double Couple:Mo=1.0*10**17
   NP1:Strike= 75 Dip=60 Slip= 156
   NP2:        178     69       32

26 11 16 12.72  49.066N 156.240E  33km
  4.8mb ( 31 abs.)  4.7Msz (  2 abs.)
  KURIL ISLANDS
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B :  9S, 19C
  Centraid Lacatian:
  Origin Time        11:16:17.6 1.1
  Lat 49.08N  FIX;Lon 156.35E  FIX
  Dep  24.0 8.9 Half-duratian  1.2
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  2.83  Plg=77  Azm=313
    N       -0.09       4      204
    P       -2.75      12      113
  Best Double Cauple:Ma=2.8*10**16
   NP1:Strike=197 Dip=33 Slip=  82
   NP2:         27     57       95

27 00 31 08.74  35.109N  35.199W  10km
  5.2mb ( 45 abs.)  4.7Msz (  3 obs.)
  NORTH ATLANTIC RIDGE
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 14S, 34C
  Centraid Location:
  Origin Time        00:31:17.4 0.4
  Lat 35.48N 0.05 Lan  35.26W 0.06
  Dep  15.0 FIX Half-duratian  2.0
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  1.62  Plg= 1  Azm=329
    N       -0.32      89      149
    P       -1.31       0       59
  Best Double Couple:Ma=1.5*10**17
   NP1:Strike=104 Dip=89 Slip=   1
   NP2:         14     89      179

27 10 56 11.80  46.971S  10.870W  10km
  5.2mb (  9 obs.)  4.9Msz (  1 abs.)
  SOUTH ATLANTIC RIDGE
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 12S, 24C
  Centroid Lacatian:
  Origin Time        10:56:18.0 0.6
  Lat 47.46S 0.10 Lon  10.62W 0.14
  Dep  15.0 FIX Half-duratian  1.6
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  7.29  Plg=62  Azm=136
    N        2.31       2       43
    P       -9.61      28      312
  Best Double Cauple:Ma=8.4*10**16
   NP1:Strike= 38 Dip=17 Slip=  85
   NP2:        224     73       92

27 15 07 17.57   7.381S 120.295E 596km
  5.5mb ( 45 obs.)
  FLORES SEA
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 15S, 30C
  Centroid Lacatian:
  Origin Time        15:07:26.1 0.4
  Lat  6.92S 0.04 Lan 120.63E 0.05
  Dep 615.6 2.3 Half-duratian  2.8
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  4.84  Plg= 1  Azm=330
    N        0.04       1      240
    P       -4.88      89      125
  Best Dauble Couple:Mo=4.9*10**17
   NP1:Strike= 61 Dip=44 Slip= -89
   NP2:        239     46      -91

28 06 13 46.24  35.019N 140.191E  81km
  5.1mb ( 26 obs.)
  NEAR EAST COAST OF HONSHU, JAPAN
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.·  9S, 15C
```

Centroid Location:
Origin Time 06:13:48.7 1.5
Lat 35.36N 0.13 Lon 139.87E 0.12
Dep 69.811.1 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 3.14 Plg=77 Azm=129
N -0.13 7 5
P -3.02 11 273
Best Double Couple:Mo=3.1*10**16
NP1:Strike=354 Dip=35 Slip= 77
NP2: 190 56 99

28 10 37 52.75 0.346S 122.189E 15km
5.7mb (34 obs.) 4.9Msz (10 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 10:38: 2.6 0.5
Lat 0.27S FIX;Lon 122.51E FIX
Dep 66.1 4.0 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.43 Plg= 9 Azm= 41
N -0.12 80 196
P -2.31 4 310
Best Double Couple:Mo=2.4*10**17
NP1:Strike= 85 Dip=81 Slip= 177
NP2: 176 87 9

28 14 49 30.37 16.343S 174.233W 139km
5.5mb (38 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 14:49:38.2 0.4
Lat 16.37S 0.04 Lon 173.97W 0.04
Dep 143.9 1.6 Half-duration 3.4
Principal Axes:
Scale 10**17 Nm
T Val= 8.83 Plg=25 Azm= 86
N -1.80 3 177
P -7.03 65 273
Best Double Couple:Mo=7.9*10**17
NP1:Strike=170 Dip=20 Slip= -97
NP2: 358 70 -87

28 23 03 44.91 14.061N 146.624E 34km
5.1mb (21 obs.) 4.8Msz (5 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used. GDSN
L P.B : 15S, 28C
Centroid Location:
Origin Time 23:03:49.9 0.7
Lat 14.27N 0.07 Lon 146.98E 0.06
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 6.06 Plg=80 Azm= 49
N 1.74 8 189
P -7.80 6 280
Best Double Couple:Mo=6.9*10**16
NP1:Strike= 19 Dip=39 Slip= 102
NP2: 183 52 80

29 09 10 52.55 27.871N 85.648E 18km
5.4mb (43 obs.) 4.8Msz (3 obs.)
NEPAL
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centroid Location:
Origin Time 09:11: 0.8 1.0
Lat 27.39N 0.12 Lon 85.73E 0.16
Dep 18.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.38 Plg=71 Azm=352
N 0.33 10 112
P -7.71 16 205
Best Double Couple:Mo=7.5*10**16
NP1:Strike=309 Dip=30 Slip= 109
NP2: 106 62 79

30 08 36 27.00 21.098N 45.848W 10km
5.0mb (20 obs.) 4.6Msz (2 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centroid Location:
Origin Time 08:36:32.2 1.3
Lat 20.92N 0.18 Lon 45.47W 0.07
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 4.56 Plg= 0 Azm=253
N -0.44 0 163
P -4.12 90 180
Best Double Couple:Mo=4.3*10**16
NP1:Strike=343 Dip=45 Slip= -90
NP2: 163 45 -90

31 02 08 15.30 23.565S 66.618W 243km
5.2mb (20 obs.)
JUJUY PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 02:08.20.9 1.2
Lat 23.17S 0.12 Lon 66.70W 0.12
Dep 227.9 5.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 10.16 Plg=23 Azm= 68
N -0.34 22 167
P -9.83 58 296
Best Double Couple:Mo=1.0*10**17
NP1:Strike=122 Dip=29 Slip=-139
NP2: 355 71 -67

31 10 12 58.46 36.443N 2.759E 12km
5.4mb (48 obs.) 5.6Msz (8 obs.)
ALGERIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 10:13: 1.6 0.6
Lat 36.44N 0.08 Lon 2.63E 0.06
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.66 Plg=33 Azm= 68
N -1.01 52 216
P -2.65 16 328
Best Double Couple:Mo=3.1*10**17
NP1:Strike=103 Dip=55 Slip= 167
NP2: 201 79 36

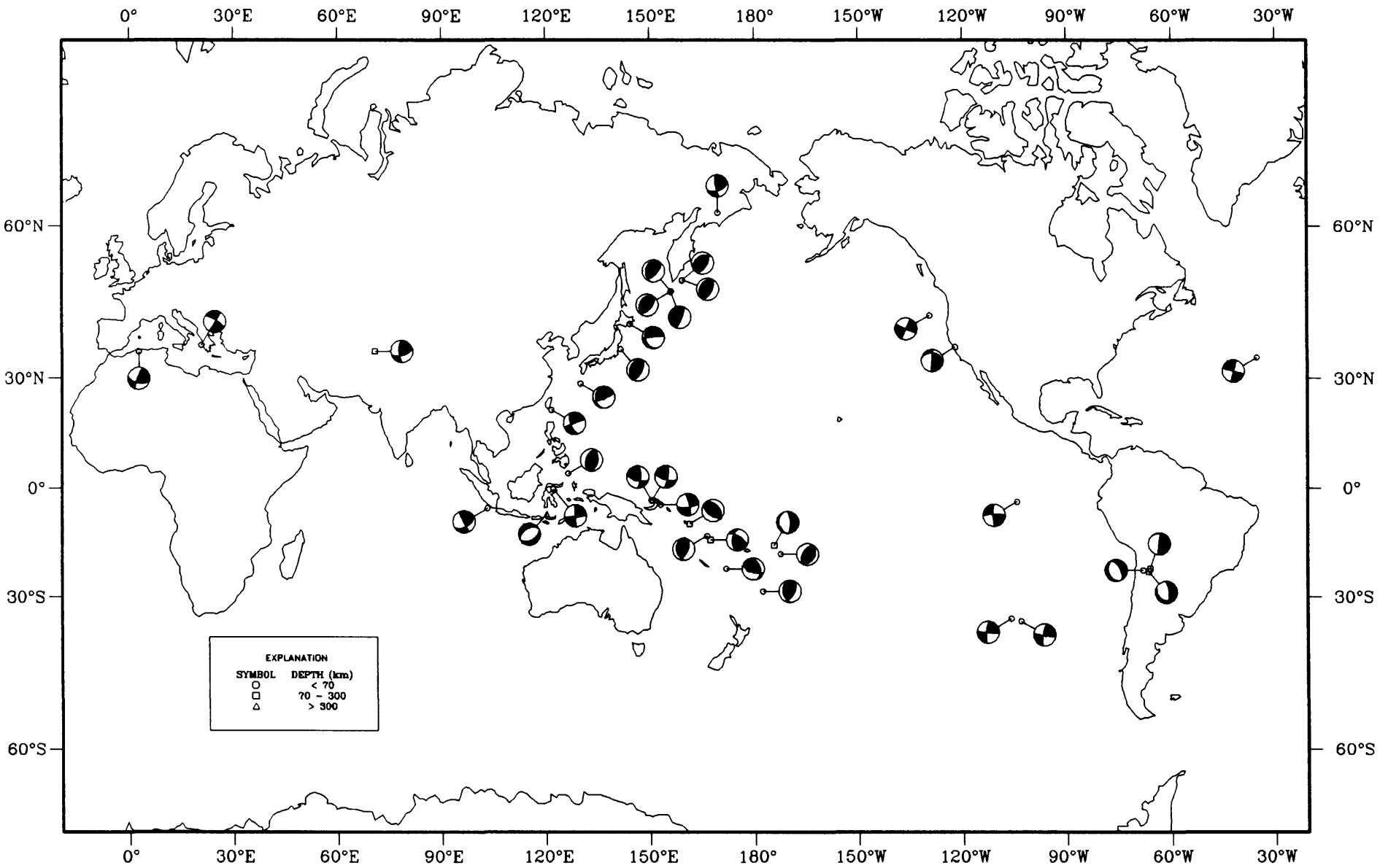
31 17 49 27.16 21.695S 179.026W 536km
5.0mb (14 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 9C
Centroid Location:
Origin Time 17:49:42.1 2.5
Lat 20.97S 0.30 Lon 179.36W 0.17
Dep 597.010.8 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.37 Plg=38 Azm=230
N 0.73 23 121
P -8.11 44 8
Best Double Couple:Mo=7.7*10**16
NP1:Strike= 23 Dip=23 Slip= -8
NP2: 120 87 -113

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

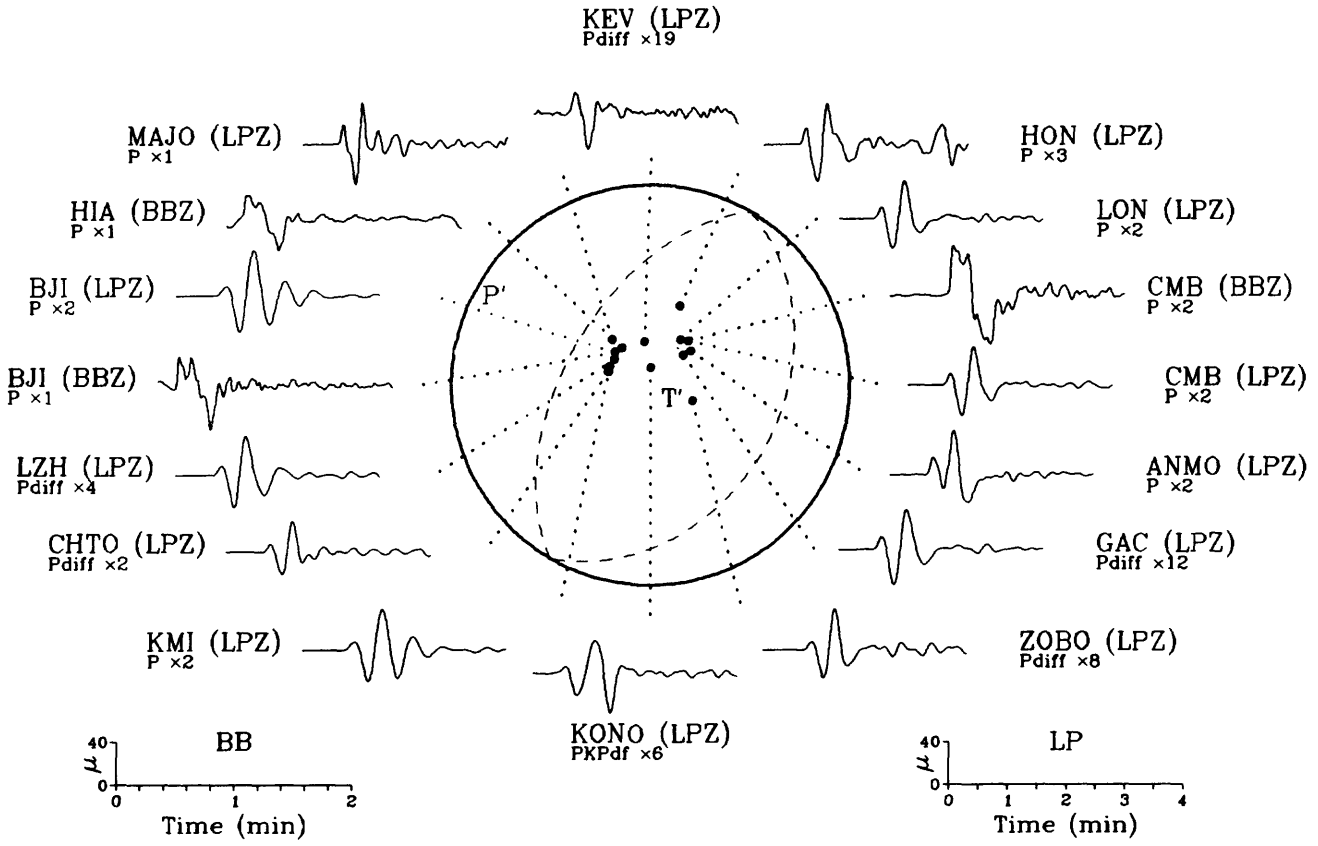
CORRECTION TO MONTHLY LISTING FOR AUGUST 1988

For the event 17 Aug 1700 UTC, the correct latitude, given in the comments, should be 37° 17' 49.77" N, instead of 36° The values shown in the hypocentral parameters columns are all correct.

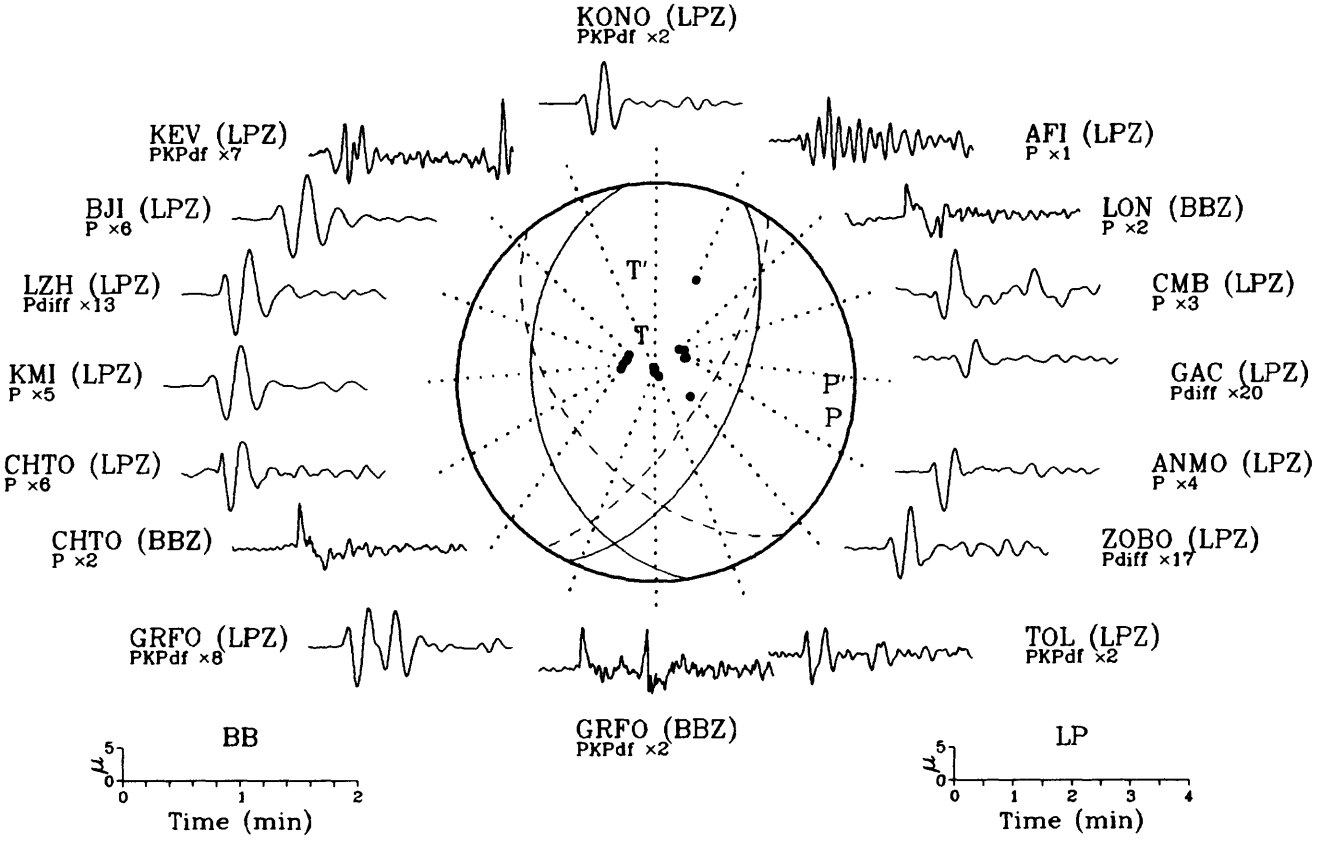
Earthquake Focal Mechanisms for October 1988

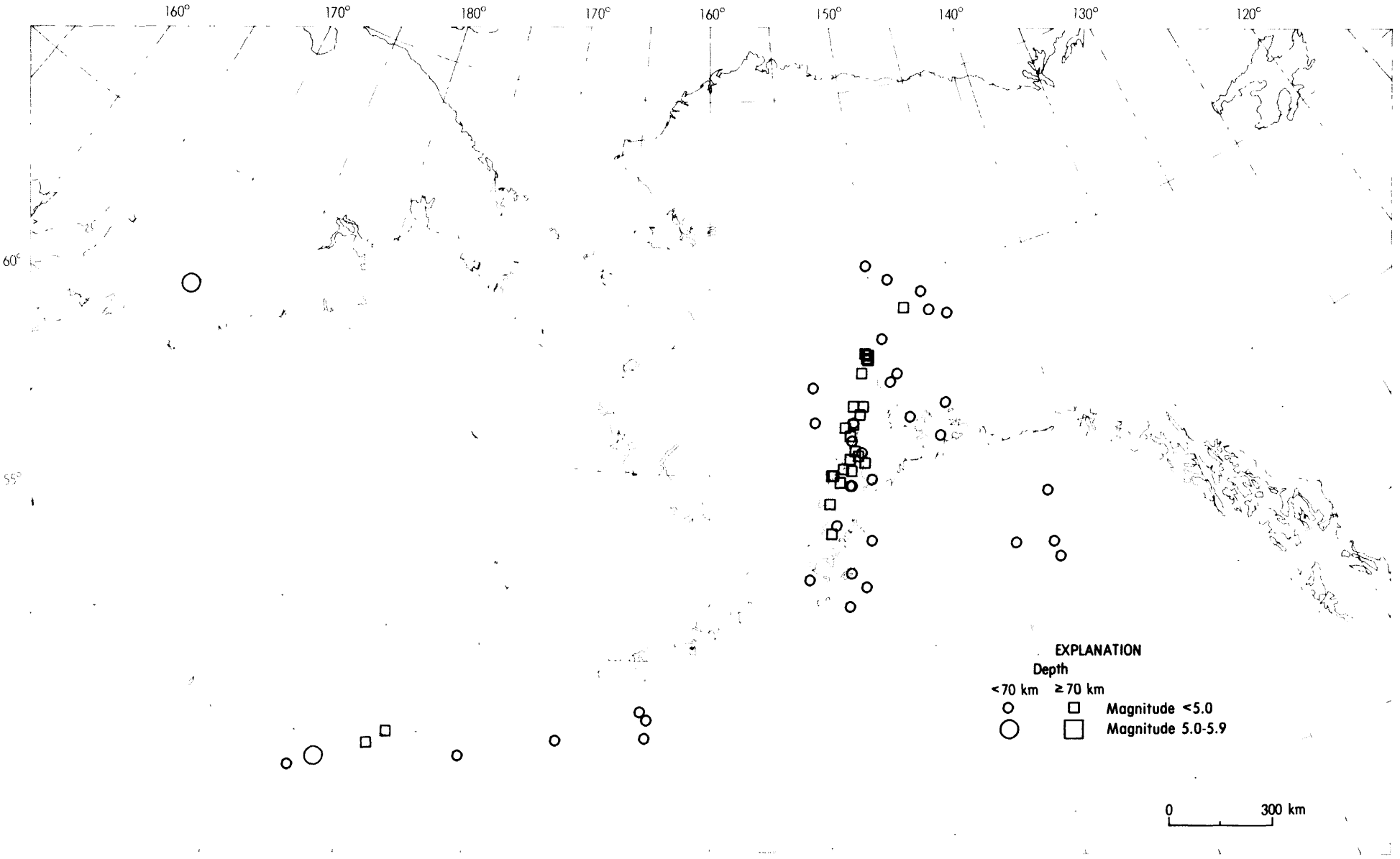


08 October 1988 04:46:24.53
Tonga Islands Region

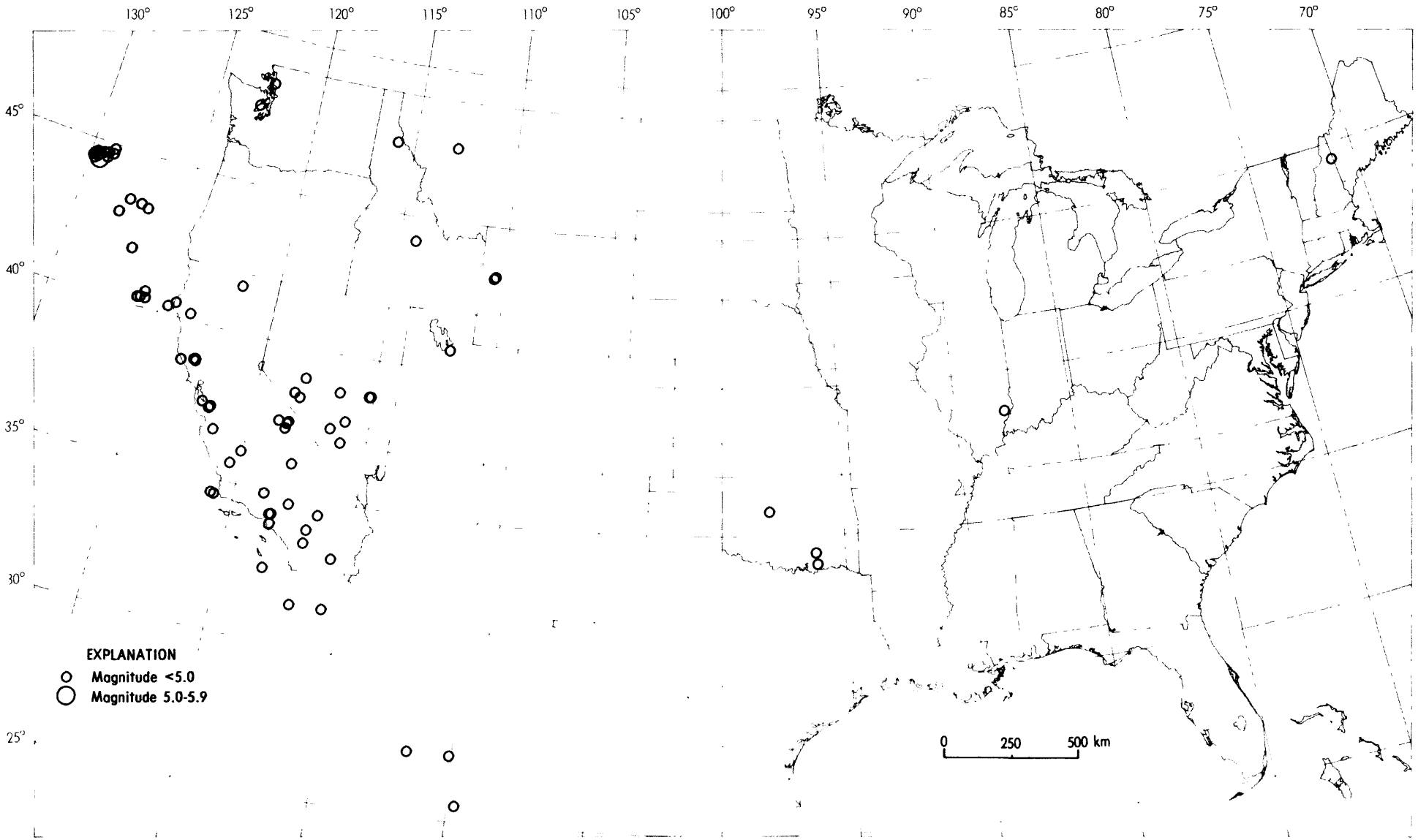


10 October 1988 18:20:25.05
Kermadec Islands Region

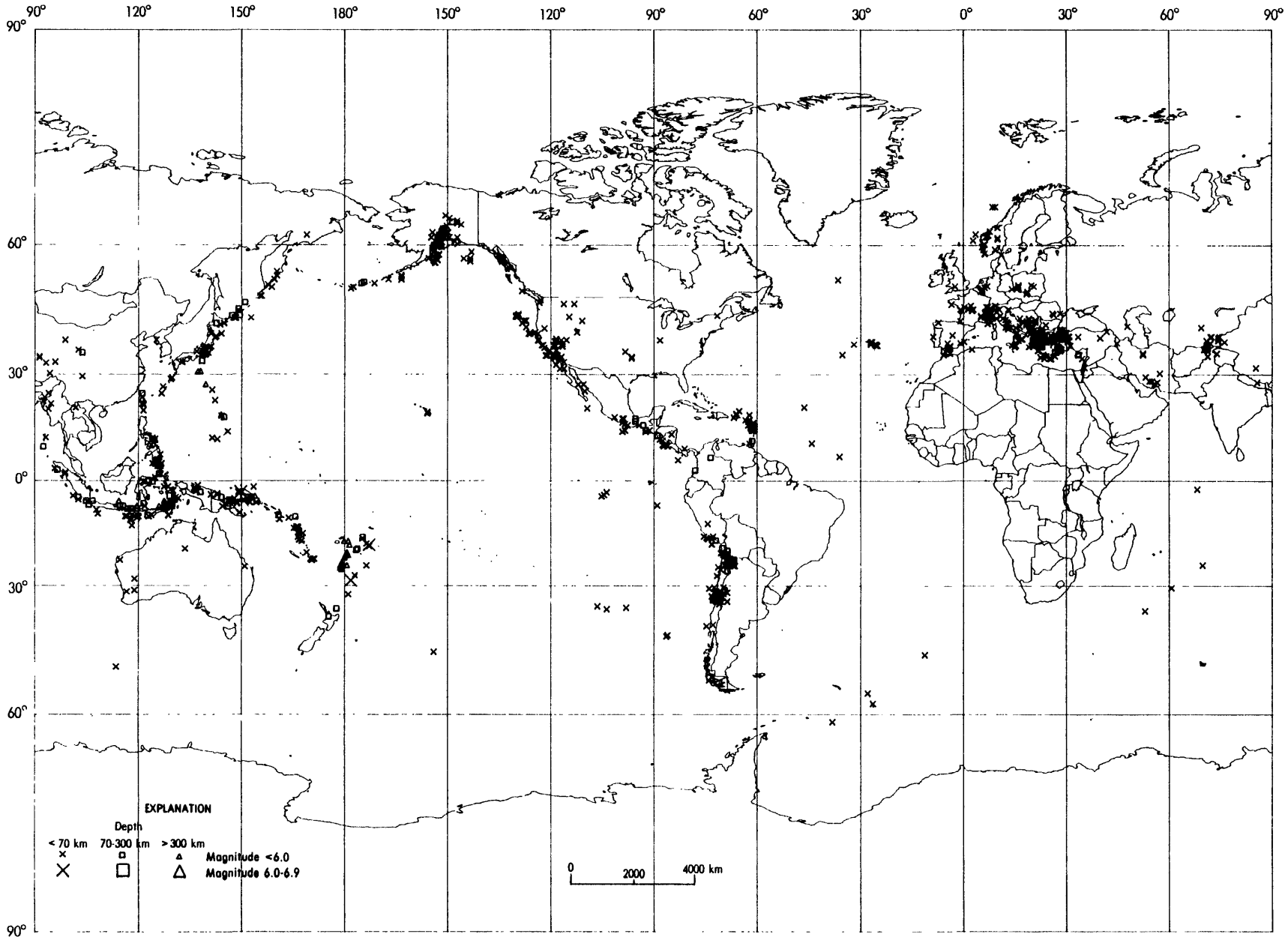




Earthquake epicenters in Alaska and adjacent regions for October, 1988 (C. Stover).



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



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

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

NOVEMBER 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	12	00.3	34 267 S	70.779 W	102	4.0		0.6	19	CHILE-ARGENTINA BORDER REGION
	01	00	13	25.0?	44.15 N	6.90 E	10 G			0.2	4	FRANCE. MD 1.0 (STR).
	01	00	25	18.5	37 784 N	15.104 E	10 G			0.7	7	SICILY. ML 2.4 (ROM).
	01	01	05	49.9	22 879 S	66.543 W	246	4.7		1.2	26	JUJUY PROVINCE, ARGENTINA
	01	01	25	54.7	38.141 N	67.774 E	33 N	4.5		0.7	12	SOUTHEASTERN UZBEK SSR. Felt (V) at Denau and (III) at Regar, Dushanbe, Nurek and Obigarm.
	01	01	37	40.0&	60.138 N	152.792 W	93				21	SOUTHERN ALASKA. <AGS-P>.
	01	01	46	37.5?	36.05 N	8.19 W	10 G			1.1	10	WEST OF GIBRALTAR
	01	01	53	44.3	14.877 S	166.823 E	33 N	4.9		0.9	61	VANUATU ISLANDS
	01	02	18	27.2&	36.555 N	121.177 W	4				15	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	01	02	19	36.8?	35.27 S	72.62 W	33 N			1.1	13	NEAR COAST OF CENTRAL CHILE
	01	03	02	26.9?	18.17 N	99.76 W	33 N			0.1	5	GUERRERO, MEXICO
	01	03	11	17.9&	36.153 N	120.155 W	8				18	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK), 3.2 (PAS).
	01	04	02	41.5	41.616 N	19.643 E	29			1.2	19	ALBANIA. ML 3.2 (TTG).
	01	05	05	06.4*	20.522 S	68.098 W	33 N			0.8	5	CHILE-BOLIVIA BORDER REGION
	01	07	24	18.1*	51.941 N	174.455 W	33 N	4.6		1.2	12	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
	01	07	29	37.8*	29.098 S	67.307 W	178 ?			0.3	6	LA RIOJA PROVINCE, ARGENTINA
	01	09	35	30.8*	21.916 S	178.225 W	411 ?	4.5		1.0	23	FIJI ISLANDS REGION
	01	09	44	01.0	43.447 N	146.356 E	90	4.8		0.9	58	KURIL ISLANDS. Felt (II JMA) at Nemuro and Kushiro, Hokkaido.
	01	10	24	11.2*	14.860 S	166.786 E	33 N	4.4		1.1	39	VANUATU ISLANDS
	01	10	40	26.6?	62.02 N	7.41 E	10 G			1.2	6	SOUTHERN NORWAY MD 2.6 (BER).
	01	11	23	44.0?	10.65 S	161.84 E	33 N	4.4		0.7	6	SOLOMON ISLANDS
	01	12	32	40.6%	42.049 N	13.256 E	10 G			0.4	5	CENTRAL ITALY
	01	13	36	43.9*	9.615 N	126.282 E	69 *	5.1		1.1	71	MINDANAO, PHILIPPINE ISLANDS
	01	13	51	26.0	44.118 N	6.902 E	10 G			0.7	16	FRANCE. ML 2.6 (LDG).
	01	13	52	57.8	27 589 N	140.775 E	33 N	5.1	4.2	1.0	23	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shimo.
	01	14	32	40.0%	33 531 S	71.555 W	10 G			1.1	7	NEAR COAST OF CENTRAL CHILE
	01	15	27	11.4%	46.730 N	4.267 E	10 G			0.5	8	FRANCE. ML 2.5 (LDG).
	01	15	38	05.7	28.326 N	139.629 E	494	4 8		0.7	77	BONIN ISLANDS REGION
	01	15	41	10.5*	42.781 S	85.722 W	10 G	5.1		1.0	30	WEST CHILE RISE
	01	15	43	07.7*	7.392 S	128.329 E	127 ?	5.1		1.2	28	BANDA SEA
	01	16	00	19.4?	41 89 N	23.18 E	10 G			0.2	6	GREECE-BULGARIA BORDER REGION
	01	16	51	13.8*	3.044 S	129.312 E	33 N	5.1	3.8	1.3	21	CERAM
	01	17	44	12.5	10.160 N	86.378 W	9	4.4		0.9	26	OFF COAST OF COSTA RICA. MD 4.3 (HDC)
	01	18	02	04.1?	6 35 S	146.51 E	183 ?	4.7		0.7	7	EAST PAPUA NEW GUINEA REGION
	01	18	37	01.4	41.903 N	20.331 E	10 G			0.8	7	ALBANIA. ML 2.7 (SKO).
	01	19	06	48.2	16.602 N	40.846 E	10 G	4.5		0.6	36	RED SEA
	01	19	19	47.1	16.541 N	40.997 E	10 G	4.7		1.0	75	RED SEA
	01	20	33	13.4?	41.99 N	23.50 E	10 G			0.4	7	GREECE-BULGARIA BORDER REGION
	01	21	05	35.4*	15.673 N	61.194 W	33 N			0.7	6	LEEWARD ISLANDS
	01	21	50	33.6?	39.55 N	25.55 E	10 G			1.4	6	AEGEAN SEA. MD 3.3 (ATH).
	01	21	54	26.8&	62.236 N	149.677 W	39				39	CENTRAL ALASKA. <AGS-P>. ML 3.0 (PMR).
a	01	22	31	09.3	57.293 S	25.135 W	33 N	5.9	6.1	1.1	172	SOUTH SANDWICH ISLANDS REGION
	01	23	51	04.9*	16.791 N	40.614 E	10 G	4.2		0.8	23	RED SEA
a	02	00	19	17.8	56.810 S	147.429 E	10 G	5.5	5.7	1.0	49	WEST OF MACQUARIE ISLAND
	02	00	57	13.6	16.627 N	40.763 E	10 G	4.6		0.9	59	RED SEA
	02	02	38	17.0	37.193 N	28.745 E	10 G			0.8	6	TURKEY
	02	03	06	21.2*	49.554 N	153.285 E	150 G	4.6		0.9	45	KURIL ISLANDS
	02	04	19	17.9	40.462 N	22.554 E	10 G			0.5	9	GREECE MD 2.4 (ATH).
	02	09	08	40.2%	30.701 S	117.214 E	10 G			1.0	6	WESTERN AUSTRALIA
	02	09	19	26.4%	10.753 N	60.936 W	10 G			0.7	6	TRINIDAD
	02	11	41	10.9%	39.120 N	27.577 E	10 G			0.3	5	TURKEY
	02	12	50	38.3&	40.383 N	124.490 W	17	4.3			18	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK). Felt (IV) at Ferndale and Mirondo; (III) at Blocksburg, Carlotto, Eureko, Honeydew, Loleta, Rio Dell and Scotio
	02	13	59	22.4	40.473 N	22.597 E	10 G			0.7	10	GREECE

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	02	14 06 36.1*	16.482	N	40.967	E	10	G	4.4		0.9	14	RED SEA
	02	14 35 01.8%	40.475	N	27.540	E	10	G			0 6	7	TURKEY
	02	15 15 58.7	40.458	N	22.603	E	10	G			0.3	9	GREECE
	02	16 11 34.2	40.481	N	22.548	E	10	G			0.7	9	GREECE
	02	16 35 11.3?	37.64	N	25.31	W	10	G			0.2	7	AZORES ISLANDS
	02	18 47 55.5%	61.735	N	7.441	E	10	G			1.4	5	SOUTHERN NORWAY. MD 2.3 (BER).
	02	19 30 20.5*	16.320	N	61.116	W	33	N			0.5	8	LEEWARD ISLANDS. ML 2.9 (FDF).
	02	21 02 29.0	37.443	N	20.425	E	42		4.5		1.1	62	IONIAN SEA. ML 4.0 (ATH).
	02	21 02 50.1*	10.141	N	60.124	W	33	N			0.7	7	TRINIDAD
	02	21 08 26.7?	34.06	S	72.24	W	17				0.8	12	NEAR COAST OF CENTRAL CHILE
	02	23 25 03.8	40.287	N	21.897	E	10	G			1.4	12	GREECE. MD 3.3 (ATH).
	02	23 29 35.1	40.317	N	21.791	E	10	G			1.1	12	GREECE. MD 3.4 (ATH).
	02	23 39 44.3?	62.06	S	164.48	E	10	G	4.8	4.2	1.3	9	BALLENY ISLANDS REGION
	03	00 10 19.4?	5.37	S	147.31	E	201		4.9		0.9	13	EAST PAPUA NEW GUINEA REGION
	03	00 37 03.7?	7.94	S	127.68	E	186	?	4.2		1.1	7	BANDA SEA
	03	01 09 40.2*	6.829	N	73.008	W	154	*	3.9		1.4	15	NORTHERN COLOMBIA
	03	01 14 43.7?	37.72	N	25.35	W	10	G			0.4	7	AZORES ISLANDS
	03	01 19 37.5	16.451	N	40.982	E	10	G	4.5		1.0	14	RED SEA
	03	01 55 45.9?	19.87	S	179.52	W	330	?	5.0		1.5	50	FIJI ISLANDS REGION
	03	02 30 09.0?	6.25	S	130.39	E	143	?	4.9		1.3	11	BANDA SEA
	03	03 36 38.5*	33.902	N	24.906	E	33	N	3.8		1.0	9	MEDITERRANEAN SEA
	03	04 55 07.8%	37.882	N	25.344	W	10	G			0.6	8	AZORES ISLANDS. Felt (IV) on Soo Miguel.
	03	05 13 53.8*	40.242	N	21.719	E	10	G			0.9	9	GREECE
	03	05 16 41.7	40.217	N	21.711	E	10	G	3.8		1.1	20	GREECE. ML 3 7 (ATH).
o	03	05 25 39.6	13.608	N	120.922	E	135	D	5.1		1.0	103	MINDORO, PHILIPPINE ISLANDS
	03	05 41 46.2*	62.010	S	164.872	E	10	G	5.2	5.1	1.3	19	BALLENY ISLANDS REGION
	03	06 51 11.2?	5.67	S	149.36	E	181	*	4.2		0.5	6	NEW BRITAIN REGION
	03	07 09 12.3*	7.004	S	131.096	E	109	*	4.8		0.8	13	TANIMBAR ISLANDS REGION
	03	07 55 09.4*	16.490	N	41.019	E	10	G	4.7		1.2	26	RED SEA
	03	08 46 04.1%	60.691	N	5.600	E	0	G			0.5	5	SOUTHERN NORWAY. MD 2.4 (BER). Probable explosion.
	03	08 49 05.9%	10.993	N	61.913	W	33	N			0.8	8	TRINIDAD
	03	10 04 44.0&	59.971	N	152.536	W	83					26	SOUTHERN ALASKA. <AGS-P>.
	03	10 09 48.9%	44.395	N	7.320	E	10	G			0.7	7	NORTHERN ITALY. ML 2.0 (GEN).
	03	10 47 46.0%	39.270	N	27.776	E	10	G			0.2	5	TURKEY
	03	11 28 19.1%	39.143	N	27.612	E	10	G			0.4	5	TURKEY
	03	12 08 46.2	63.289	N	150.676	W	33	N			0.7	6	CENTRAL ALASKA. ML 2.8 (PMR).
	03	12 18 32.4?	31.36	S	68.47	W	131	?			0.4	5	SAN JUAN PROVINCE, ARGENTINA
	03	12 42 43.9	2.310	N	126.622	E	69	*	5.3		1.2	B1	MOLUCCA PASSAGE
o	03	14 47 10.7	13.881	N	90.450	W	69	D	5.6		1.1	334	NEAR COAST OF GUATEMALA. Ms 6.0 (BRK), 6.0 (PAS). Mo=8.0*10**18 Nm (PPT). Five people killed, some injured and about 100 buildings damoged (VI) in southern Guotemolo. Landslides occurred at Polin and in the San Vicente Pacaya area. Damage to roads in Chimoltenango Department. Felt (V) at San Salvador, El Salvador. Felt strongly at Tapachula, (IV) at Mexico City and also felt in parts of Oaxaca and Veracruz, Mexico. Felt in parts of Honduras and at Managua, Nicaragua.
	03	15 17 02.5	13.742	N	90.774	W	70	D	5.0		1.2	65	NEAR COAST OF GUATEMALA. Felt at San Salvador and Santa Ana, El Salvador.
	03	15 28 43.7*	7.436	S	128.644	E	180	*	4.8		0.8	19	BANDA SEA
	03	15 38 45.3	18.526	N	145.616	E	206	*	4.8		0.7	30	MARIANA ISLANDS
	03	15 56 47.5	45.801	N	26.978	E	111		4.0		1.1	44	ROMANIA
	03	16 46 58.9	13.857	N	90.916	W	73				1.0	20	NEAR COAST OF GUATEMALA
o	03	17 15 52.6*	60.796	S	55.973	W	10	G	5.3		1.3	15	SOUTH SHETLAND ISLANDS
	03	17 50 07.9*	38.274	N	21.759	E	10	G			1.5	7	GREECE. ML 3.2 (ATH).
	03	17 54 19.8	63.768	N	149.209	W	33	N			0.3	6	CENTRAL ALASKA. ML 2.7 (PMR).
	03	18 34 44.2	12.345	N	92.675	E	33	N	4.B		0.9	37	ANDAMAN ISLANDS REGION
	03	18 39 31.9	44.309	N	7.403	E	10	G			0.9	13	NORTHERN ITALY. ML 3.0 (LDG), 2.7 (GEN). MD 3.0 (STR).
	03	18 43 29.4	38.763	N	22.586	E	10	G			0.3	6	GREECE. ML 3.2 (ATH).
	03	19 03 07.2?	31.12	S	68.94	W	139	?			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	03	19 27 22.4	16.467	N	41.020	E	10	G	4.6		0.9	45	RED SEA
	03	19 35 51.2	64.046	N	147.344	W	33	N			1.4	9	CENTRAL ALASKA. ML 4.4 (PMR). Felt (III) ot Delta Junctian.
o	03	19 42 18.1	19.080	N	67.256	W	33	D	5.4	5.7	1.2	290	MONA PASSAGE. Ms 5.9 (BRK). Minor damage at Catana, Puerto Rico. Felt strongly alang the western coast of Puerta Rico; felt throughaut the island. Felt (V) at Sabana de la Mar and (III) at Santa Domingo, Dominican Republic.
	03	19 50 58.5	16.539	N	41.076	E	10	G	4.8		0.6	16	RED SEA
	03	19 53 58.7?	34.84	S	71.99	W	10	G			0.8	12	NEAR COAST OF CENTRAL CHILE
	03	19 55 35.9?	19.40	N	67.38	W	10	G			0.4	5	MONA PASSAGE
	03	20 01 03.3?	17.60	S	178.56	W	585	?	4.7		0.7	15	FIJI ISLANDS REGION
	03	20 03 29.4&	39.393	N	119.565	W	0					3	NEVADA. <REN>. MD 2.8 (REN).
	03	20 04 16.5?	37.67	N	25.38	W	10	G			0.2	6	AZORES ISLANDS
	03	20 12 08.3?	8.40	S	160.67	E	33	N	4.2		1.5	7	SOLOMON ISLANDS. Felt at Haniaro, Guadalcanal.
	03	20 12 47.8	64.144	N	147.229	W	33	N			0.7	6	CENTRAL ALASKA. ML 3.7 (PMR).
	03	20 13 50.8%	40.415	N	29.230	E	10	G			0.3	7	TURKEY
	03	21 16 37.5?	7.53	S	128.16	E	150	?	4.1		0.6	5	BANDA SEA
	03	22 10 26.9*	3.014	N	127.860	E	117	?	5.1		1.0	28	TALAUD ISLANDS
	03	23 23 16.5*	64.129	N	147.183	W	33	N			0.7	6	CENTRAL ALASKA. ML 2.8 (PMR).
	04	00 09 52.8&	39.017	N	123.077	W	5	G				10	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.6 (BRK). Felt at Ukioh.
	04	01 02 56.4*	16.630	N	40.938	E	10	G	4.4		1.3	24	RED SEA
	04	01 08 10.9	45.130	N	7.763	E	10	G			0.9	7	NORTHERN ITALY. ML 2.5 (GEN).
	04	02 38 04.0	19.271	N	67.251	W	27		4.5		1.2	59	MONA PASSAGE
o	04	02 43 11.3	13.836	N	90.645	W	68	D	5.2		1.2	177	NEAR COAST OF GUATEMALA. Felt (III) at San Salvador, El Salvador.
	04	02 47 05.0	19.241	N	67.239	W	30		4.8		1.1	23	MONA PASSAGE
o	04	02 55 09.7*	55.307	S	29.311	W	33	N	5.8	5.4	0.9	31	SOUTH SANDWICH ISLANDS REGION
	04	04 03 39.6&	59.502	N	151.614	W	41					30	KENAI PENINSULA, ALASKA. <AGS-P>.
	04	04 35 38.7*	34.711	N	80.747	E	33	N	4.8	4.1	0.5	9	TIBET
	04	06 55 09.8	1.207	N	121.570	E	519	*	4.7		1.1	27	MINAHASSA PENINSULA

	04	06	59	27.9&	60.444	N	151.484	W	57				36	KENAI PENINSULA, ALASKA. <AGS-P>.
	04	07	55	18.9	33.758	N	134.952	E	49	*		0.5	10	SHIKOKU, JAPAN. Felt (II JMA) at Tokushimo. Felt (I JMA) at Wakayama, Honshu.
	04	08	21	43.0?	37.16	N	70.94	E	33	N	4.5	1.4	10	AFGHANISTAN-USSR BORDER REGION
	04	08	27	52.6*	36.271	N	140.848	E	51		4.3	1.1	11	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito. Also felt at Onahama and Fukushimo.
	04	08	47	28.0?	16.02	N	62.09	W	10	G		0.9	5	LEEWARD ISLANDS. ML 2.6 (FDF).
	04	10	01	34.4*	7.197	N	126.795	E	83	*	4.6	1.0	19	MINDANAO, PHILIPPINE ISLANOS
	04	10	07	14.0*	40.436	N	22.417	E	32	*		0.8	8	GREECE
	04	10	21	20.1	40.474	N	22.582	E	10	G		0.3	9	GREECE
	04	10	58	02.8*	34.389	N	54.572	E	33	N		0.8	10	IRAN. ML 3.7 (MHI).
	04	11	07	19.1*	7.149	N	126.799	E	150	?	4.5	1.2	17	MINDANAO, PHILIPPINE ISLANDS
	04	11	37	37.4	5.398	S	146.707	E	220		4.9	0.9	34	EAST PAPUA NEW GUINEA REGION
	04	11	55	25.9?	19.30	N	67.29	W	13	?		0.1	5	MONA PASSAGE
	04	12	19	17.8	57.390	N	157.503	W	107	*	4.3	1.1	36	ALASKA PENINSULA
	04	12	30	46.3%	43.197	N	18.896	E	10	G		0.5	5	YUGOSLAVIA. MD 2.1 (TTG).
	04	13	43	09.5%	39.120	N	27.596	E	10	G		0.7	5	TURKEY
	04	14	06	51.3*	8.476	S	78.585	W	164	?	4.3	1.1	12	NEAR COAST OF NORTHERN PERU
	04	16	18	53.5&	40.457	N	124.718	W	6	G			9	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	04	17	15	05.2	8.447	N	122.781	E	33	N	4.9	1.2	19	MINDANAO, PHILIPPINE ISLANDS
	04	17	57	28.2*	20.204	S	169.052	E	33	N	4.7 4.4	1.4	13	VANUATU ISLANDS
	04	18	03	51.4	20.145	N	108.082	E	10	G	4.4	0.6	11	EASTERN CHINA. Felt in Quang Ninh Province and in the Hanoi-Hoiphong area, Vietnam.
	04	18	31	22.4	44.325	N	148.760	E	44	D	5.1 4.0	0.9	84	KURIL ISLANDS
	04	19	34	08.5*	4.766	S	101.980	E	33	N	4.7	1.1	13	SOUTHERN SUMATERA
	04	21	56	36.1*	25.148	N	128.158	E	33	N	4.6	1.3	15	RYUKYU ISLANDS
	04	23	03	58.6?	10.52	N	60.54	W	33	N		0.5	8	TRINIDAD
	05	00	39	03.2	5.026	S	153.916	E	157		5.0	1.1	24	NEW IRELAND REGION
	05	01	24	33.8?	19.50	N	67.49	W	10	G		0.2	5	MONA PASSAGE
	05	01	31	01.4*	11.933	N	86.792	W	5	G	4.9	1.1	19	NEAR COAST OF NICARAGUA
	05	02	12	39.4?	32.04	N	37.12	E	10	G		1.0	5	JORDAN - SYRIA REGION
a	05	02	14	30.3	34.354	N	91.880	E	8	G	5.9 6.3	1.2	300	QINGHAI PROVINCE, CHINA. Felt strongly in Qinghai Province. Depth from broadband displacement seismograms.
	05	02	49	23.0	26.289	S	27.537	E	5	G		1.2	8	REPUBLIC OF SOUTH AFRICA. MG 3.9 (BUL).
	05	02	51	36.8	37.124	N	135.856	E	339		5.2	0.9	307	SEA OF JAPAN. Felt (II JMA) at Mita.
	05	03	04	41.4*	21.568	S	174.233	W	33	N	5.1 5.9	1.1	45	TONGA ISLANDS
	05	05	23	22.3&	34.320	N	116.830	W	6	G			13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	05	08	51	13.0*	37.869	S	72.808	W	33	N	4.8 4.0	0.9	24	CENTRAL CHILE
	05	09	11	14.8?	38.07	S	73.33	W	33	N	4.3	0.6	11	NEAR COAST OF CENTRAL CHILE
	05	09	12	04.8	42.803	S	85.750	W	10	G	5.6 4.6	0.9	67	WEST CHILE RISE
	05	09	48	39.3	44.633	N	7.068	E	10	G		0.2	8	NORTHERN ITALY. ML 2.4 (GEN).
	05	10	46	44.1%	33.894	S	70.765	W	33	N		0.7	7	CHILE-ARGENTINA BORDER REGION
	05	11	22	30.5%	43.263	N	18.771	E	10	G		1.0	6	YUGOSLAVIA. MD 2.2 (TTG).
	05	11	38	28.0*	62.169	S	164.065	E	10	G	5.2	1.3	17	BALLENY ISLANDS REGION
	05	11	45	45.9?	6.40	S	146.97	E	110	*	4.6	1.5	10	EAST PAPUA NEW GUINEA REGION
a	05	12	15	51.4	21.990	S	170.139	E	42	D	5.5 5.8	1.1	193	LOYALTY ISLANDS REGION. Ms 5.9 (BRK), 5.6 (PAS).
	05	12	36	52.3&	60.334	N	138.505	W	2				23	SOUTHERN YUKON TERRITORY, CANADA. <AGS-P>.
	05	12	49	07.7?	43.27	N	18.80	E	10	G		0.8	4	YUGOSLAVIA. MD 2.3 (TTG).
a	05	13	39	20.9	7.383	N	126.710	E	80	*	5.2	1.1	85	MINDANAO, PHILIPPINE ISLANDS
	05	14	00	35.0	27.993	S	26.773	E	5	G		1.1	7	REPUBLIC OF SOUTH AFRICA. MG 3.9 (BUL).
	05	14	17	49.1*	21.687	S	169.661	E	33	N	4.8	1.3	19	LOYALTY ISLANDS REGION
	05	15	45	29.5&	37.498	N	118.837	W	5				7	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.2 (REN).
	05	16	17	24.3?	17.89	S	178.76	W	646	?	4.6	1.0	19	FIJI ISLANDS REGION
	05	16	20	12.5*	1.033	N	98.665	E	92	?		0.8	7	NORTHERN SUMATERA
	05	16	29	58.4	21.883	S	139.046	W	0	G	5.4	1.0	101	TUAMOTU ARCHIPELAGO REGION
	05	16	37	01.9*	40.318	N	24.001	E	10	G		0.9	8	AEGEAN SEA
	05	17	11	30.2*	17.832	S	178.544	W	541	*	4.9	1.1	33	FIJI ISLANDS REGION
	05	17	24	49.1?	18.11	N	61.80	W	33	N		1.4	6	LEEWARD ISLANDS. ML 2.8 (FDF).
	05	18	51	22.0*	32.399	S	71.239	W	27			1.0	13	NEAR COAST OF CENTRAL CHILE
	05	20	24	46.1*	22.121	S	169.931	E	33	N	4.6	1.1	29	LOYALTY ISLANDS REGION
	05	20	30	47.8	0.254	S	125.039	E	70	*	4.9	1.1	21	MOLUCCA SEA
	05	21	29	33.5*	22.335	S	169.852	E	33	*	4.8	1.2	29	LOYALTY ISLANDS REGION
	05	21	46	31.3*	37.495	N	112.555	E	10	G	4.2	1.2	5	NORTHEASTERN CHINA. ML 4.0 (BJI).
	05	21	49	37.2*	22.188	S	169.945	E	30	*	5.0	1.2	36	LOYALTY ISLANDS REGION
	05	22	20	29.7&	62.051	N	147.340	W	39				37	CENTRAL ALASKA. <AGS-P>.
	05	23	50	32.0&	34.040	N	117.190	W	14				18	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). Felt at Redlands. Felt in parts of San Bernardino, Riverside and Los Angeles Counties.
	06	00	07	47.5	44.562	N	7.271	E	10	G		0.3	14	NORTHERN ITALY. ML 2.6 (GEN), 2.4 (LDG).
	06	00	16	30.6%	38.150	N	1.171	W	5	G		0.7	7	SPAIN. MG 3.2 (MDD).
	06	00	18	31.5?	41.77	N	23.15	E	10	G		0.6	6	GREECE-BULGARIA BORDER REGION
	06	01	07	20.5?	44.36	N	10.60	E	10	G		0.1	4	NORTHERN ITALY
	06	01	07	50.5?	41.34	N	23.29	E	10	G		0.6	6	GREECE-BULGARIA BORDER REGION. ML 1.6 (SKO).
	06	01	11	50.2?	39.57	N	23.41	E	10	G		1.1	7	AEGEAN SEA
	06	02	17	59.9	32.057	N	137.039	E	51	D	4.9	1.1	45	SOUTH OF HONSHU, JAPAN
	06	03	30	30.1*	22.176	S	169.941	E	37	D	4.7 3.9	1.3	35	LOYALTY ISLANDS REGION
	06	04	24	19.2	40.460	N	22.590	E	10	G		0.4	8	GREECE
a	06	04	34	39.9	22.010	S	170.103	E	37		5.7 5.3	1.1	118	LOYALTY ISLANDS REGION
	06	05	18	19.6*	23.199	S	68.782	W	144	*		0.6	9	NORTHERN CHILE
	06	05	39	21.8?	24.49	S	179.53	W	437	?	4.5	1.4	15	SOUTH OF FIJI ISLANDS
	06	07	37	28.6*	51.219	N	15.731	E	5	G		1.5	9	POLAND. ML 3.6 (VKA), 3.3 (KBA).
	06	08	20	57.0	51.311	N	178.148	W	33	N	5.5 4.8	0.8	229	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak.
	06	09	25	11.8?	28.30	S	67.31	W	194	?		1.2	12	LA RIOJA PROVINCE, ARGENTINA
	06	10	55	40.6?	35.70	S	71.18	W	33	N		0.9	8	CENTRAL CHILE
	06	11	11	12.5?	52.14	N	20.17	E	10	G		1.1	6	POLAND. ML 3.7 (KRA), 3.6 (VKA).
	06	11	45	33.0	40.570	N	23.596	E	10	G		0.4	9	GREECE
	06	12	06	38.8?	39.13	N	27.58	E	10	G		0.2	4	TURKEY
f	06	13	03	19.3	22.789	N	99.611	E	18	G	6.1 7.3	1 6	397	BURMA-CHINA BORDER REGION. Ms 7.0 (BRK), 6.9 (PAS). Mo=5.0*10**19 Nm (PPT). Seven hundred thirty people killed, 3,900 injured, 267,000 homeless, 29 reservoirs severely damaged and 67 percent of the public buildings destroyed in the Lancang-Menglian area, China. About

													3.2 million people in China were affected by the quake. Several highways were cut or covered by mudslides and damage occurred in large parts of southwestern Yunnan Province, China. Felt strongly throughout Yunnan Province. A number of aftershocks were felt throughout the province. Damage in the Chiong Rai area, Thailand. Also felt at Lashio, Burma and Bangkok, Thailand. Three events about 9 seconds apart. Depth from broadband displacement seismograms, based on third event.
	06	13 15 43.3	23.181	N	99.439	E	10 G	6.4		1.0	318		BURMA-CHINA BORDER REGION. Damage and casualties included in the event of 06 November 1303 UTC. Felt at Lashio, Burma and Bangkok, Thailand.
	06	13 17 33.7*	45.473	N	151.694	E	33 N	5.3		0.8	17		KURIL ISLANDS
	06	13 21 04.6?	22.82	N	99.56	E	10 G	5.8		0.6	9		BURMA-CHINA BORDER REGION. Felt in southwestern Yunnan Province, China and at Bangkok, Thailand.
	06	13 39 48.1	22.980	N	99.710	E	10 G	5.0		0.7	47		BURMA-CHINA BORDER REGION. ML 4.8 (BJI).
	06	13 44 58.9*	23.967	N	99.173	E	10 G	4.9		1.3	13		BURMA-CHINA BORDER REGION. ML 4.9 (BJI).
	06	14 10 56.1%	38.925	N	29.051	E	10 G			0.8	6		TURKEY
	06	14 13 24.2	23.239	N	99.440	E	10 G	5.1		1.0	124		BURMA-CHINA BORDER REGION
	06	14 29 46.2	23.301	N	99.454	E	10 G	4.9		1.2	48		BURMA-CHINA BORDER REGION. ML 4.7 (BJI).
	06	14 45 57.6*	23.243	N	99.429	E	10 G			0.5	7		BURMA-CHINA BORDER REGION. ML 4.3 (BJI).
	06	15 00 08.1*	16.580	N	41.150	E	10 G	4.6		1.2	25		RED SEA
	06	15 26 15.7&	34.040	N	116.770	W	13				10		SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	06	15 29 21.2	10.900	N	143.928	E	33 N	5.1		1.0	34		SOUTH OF MARIANA ISLANDS
	06	15 30 58.8&	40.722	N	111.418	W	11				14		UTAH. <SLC-P>. ML 3.3 (SLC). Felt (V) at Park City and (IV) at Sugarhouse.
	06	15 43 39.3*	74.980	N	4.862	W	10 G	4.2		1.4	17		GREENLAND SEA
	06	15 49 16.1*	22.514	N	99.816	E	10 G	4.6		1.0	9		BURMA-CHINA BORDER REGION. ML 4.3 (BJI).
	06	15 57 20.6?	43.47	N	18.47	E	33 N			1.1	6		YUGOSLAVIA. MD 2.2 (TTG).
	06	16 00 32.0	23.424	N	99.500	E	10 G	5.1		1.0	108		BURMA-CHINA BORDER REGION
	06	16 19 15.1?	23.74	N	98.79	E	10 G	4.4		0.5	11		BURMA-CHINA BORDER REGION
	06	16 34 38.5	18.198	N	146.460	E	81 *	5.1		1.0	49		MARIANA ISLANDS
	06	16 37 36.0?	15.38	N	60.35	W	24 *			1.2	9		LEEWARD ISLANDS. ML 2.7 (FDF).
	06	17 03 01.5*	8.280	N	73.151	W	182 ?	4.5		0.9	13		NORTHERN COLOMBIA
	06	17 17 24.1	34.468	N	33.870	E	33 N			0.9	9		CYPRUS. ML 3.3 (CSS).
	06	17 45 26.3*	19.543	S	168.847	E	130 *	4.7		0.8	8		VANUATU ISLANDS
	06	18 09 03.8*	22.799	N	98.993	E	10 G	4.3		0.7	7		BURMA-CHINA BORDER REGION
	06	18 15 54.4	40.319	N	23.967	E	10 G			0.5	9		GREECE
	06	18 39 17.6%	43.147	N	18.918	E	10 G			1.3	6		YUGOSLAVIA. MD 2.2 (TTG).
	06	18 44 18.2?	14.84	S	174.21	W	33 N	4.8 4.9		1.3	35		SAMOA ISLANDS REGION
	06	18 56 09.5?	17.96	N	147.79	E	33 N	4.1		0.4	5		MARIANA ISLANDS REGION
	06	19 14 13.5*	3.007	N	125.589	E	33 N	5.1		1.1	21		TALAUD ISLANDS
	06	19 17 49.2	40.316	N	23.965	E	10 G			0.6	9		GREECE
	06	19 56 52.4	40.315	N	23.970	E	10 G			0.7	9		GREECE
	06	20 01 16.8	23.906	N	99.441	E	10 G	3.8		1.1	11		BURMA-CHINA BORDER REGION. ML 4.3 (BJI).
	06	20 24 24.6	23.029	N	99.789	E	10 G	5.4 4.9		1.0	172		BURMA-CHINA BORDER REGION
	06	20 35 28.2	23.389	N	99.306	E	10 G	4.9		1.5	34		BURMA-CHINA BORDER REGION
	06	21 19 04.3	23.196	N	99.541	E	10 G	4.2		1.0	15		BURMA-CHINA BORDER REGION
	06	22 40 16.4*	22.010	N	99.575	E	10 G	4.6		0.9	10		BURMA-CHINA BORDER REGION
	07	01 31 08.4&	40.508	N	124.975	W	5 G				5		NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.7 (BRK).
	07	01 44 06.8*	15.161	N	61.056	W	146 ?			0.3	11		LEEWARD ISLANDS
	07	02 21 52.1	33.298	N	91.976	E	10 G	4.8		1.0	63		QINGHAI PROVINCE, CHINA
a	07	02 39 56.2	23.408	N	99.495	E	10 G	4.9		1.1	68		BURMA-CHINA BORDER REGION
a	07	03 24 28.9	26.534	N	126.420	E	105 G	5.7		1.1	348		RYUKYU ISLANDS Felt (III JMA) at Naha; (II JMA) at Nago and on Kume-shima. Depth from broadband displacement seismograms.
	07	03 40 23.5%	30.694	S	117.246	E	10 G			1.2	6		WESTERN AUSTRALIA
	07	03 47 40.2*	31.259	S	177.794	W	33 N	5.2		1.1	23		KERMADEC ISLANDS REGION
a	07	03 50 00.8	22.239	S	175.018	E	22 D	5.7 6.7		1.1	211		SOUTH OF FIJI ISLANDS. Ms 6.8 (BRK), 6.5 (PAS).
	07	04 40 24.1	25.038	N	123.384	E	157	4.9		0.9	104		NORTHEAST OF TAIWAN. Felt (I JMA) on Ishigaki-shima and Miyako-jima, Ryukyu Islands.
	07	04 42 01.5	8.447	N	137.722	E	33 N	5.0		1.0	25		WEST CAROLINE ISLANDS
	07	05 30 38.2%	38.701	N	26.682	E	22			0.8	9		AEGEAN SEA
	07	05 52 34.9?	9.44	S	119.50	E	33 N	3.6		1.1	6		SUMBA ISLAND REGION
	07	05 54 53.3	62.135	N	154.353	W	33 N			0.6	7		CENTRAL ALASKA. ML 3.1 (PMR).
	07	06 04 28.4	43.208	N	18.863	E	10 G			0.7	11		YUGOSLAVIA. MD 3.0 (TTG). Felt (V) at Mratinje and (IV) at Pluzine.
	07	06 24 43.1%	10.619	N	60.810	W	33 N			0.6	8		TRINIDAD
	07	06 31 38.9	44.400	N	7.302	E	10 G			0.5	16		NORTHERN ITALY. ML 2.9 (LDG), 2.4 (GEN).
	07	06 38 45.5*	43.236	N	18.828	E	10 G			0.5	7		YUGOSLAVIA. MD 2.4 (TTG).
	07	06 53 15.6?	22.25	S	174.94	E	33 N	3.9		0.8	21		LOYALTY ISLANDS REGION
a	07	07 39 29.1	11.422	N	122.073	E	27	5.1 5.0		0.9	78		PANAY, PHILIPPINE ISLANDS
	07	08 03 06.9	40.595	N	25.809	E	10 G			1.2	17		AEGEAN SEA
	07	08 08 23.9*	34.913	N	91.204	E	33 N			0.9	7		QINGHAI PROVINCE, CHINA
	07	08 10 47.9*	39.403	N	0.348	W	5 G			1.3	6		SPAIN. MG 2.7 (MDD). Felt (III) in the Sierra del Caballon area.
	07	08 31 12.0	36.683	N	21.078	E	57 *	4.0		1.0	48		SOUTHERN GREECE
	07	09 04 53.2%	61.686	N	7.499	E	10 G			0.7	7		SOUTHERN NORWAY. MD 2.5 (BER).
	07	10 11 54.4&	39.410	N	120.212	W	13				8		NORTHERN CALIFORNIA. <REN>. MD 3.1 (REN). ML 2.9 (BRK).
	07	10 22 31.6&	60.098	N	153.562	W	162				30		SOUTHERN ALASKA. <AGS-P>.
	07	11 28 17.1?	19.39	N	67.36	W	10 G			0.2	5		MONA PASSAGE
	07	13 42 22.3*	3.162	S	127.302	E	65 *	4.2		1.4	10		CERAM
	07	13 52 23.1	63.108	N	150.721	W	127 *			1.2	15		CENTRAL ALASKA
	07	14 10 47.4?	58.23	N	6.36	E	10 G			0.6	7		SOUTHERN NORWAY. MD 2.7 (BER).
	07	14 26 54.4	38.136	N	15.887	E	20	3.7		0.8	10		SICILY
	07	14 34 12.5?	9.68	S	128.56	E	192 ?	4.2		0.6	7		TIMOR SEA
	07	14 37 27.2%	58.960	N	5.946	E	10 G			0.8	7		SOUTHERN NORWAY. MD 2.4 (BER).
	07	16 56 55.9	47.555	N	18.137	E	10 G			1.2	6		HUNGARY ML 2.6 (VKA).
a	07	17 08 07.1	21.650	S	179.082	W	589 *	5.2		0.9	118		FIJI ISLANDS REGION
a	07	17 24 57.2?	29.05	S	177.95	W	56 *	5.0 4.7		1.5	23		KERMADEC ISLANDS. Felt on Raoul Island.
	07	19 24 27.8*	19.777	N	122.173	E	10 G	4.4		0.9	13		PHILIPPINE ISLANDS REGION
	07	19 32 40.6	23.287	N	99.150	E	10 G			1.3	10		BURMA-CHINA BORDER REGION. ML 4.2 (BJI).
	07	20 50 28.1*	23.593	N	99.513	E	10 G	4.4		1.2	9		BURMA-CHINA BORDER REGION

	07	22 00 24.6	23.263	N	99.510	E	10	G	4.2		1.2	15	BURMA-CHINA BORDER REGION. ML 4.2 (BJI).
	07	23 08 02.0*	43.228	N	18.810	E	10	G			0.5	6	YUGOSLAVIA. MD 2.4 (TTG).
a	07	23 15 41.7	1.533	N	126.357	E	66	D	6.2		1.2	367	MOLUCCA PASSAGE
	07	23 17 39.6	19.459	S	177.361	W	557	*	5.1		0.9	43	FIJI ISLANDS REGION
	08	02 13 41.5&	59.964	N	152.810	W	92					60	SOUTHERN ALASKA. <AGS-P>.
	08	02 46 38.0*	16.626	S	174.874	W	240	*	4.3		1.0	18	TONGA ISLANDS
	08	03 42 28.8*	13.277	N	91.074	W	72		3.9		0.5	20	NEAR COAST OF GUATEMALA
	08	04 39 29.2?	61.06	N	3.60	E	10	G			0.4	5	NORWEGIAN SEA. MD 2.3 (BER).
	08	05 45 57.7*	42.086	N	23.664	E	10	G			1.3	12	BULGARIA
	08	07 01 08.1	23.109	N	99.523	E	10	G	4.8		0.9	27	BURMA-CHINA BORDER REGION
	08	08 04 18.9?	10.82	N	63.12	W	10	G			0.5	6	NEAR COAST OF VENEZUELA
	08	08 14 07.6*	43.234	N	18.830	E	10	G			0.5	8	YUGOSLAVIA MD 2.5 (TTG).
	08	08 17 54.4	36.575	N	22.659	E	54		4.9	3.6	1.2	229	SOUTHERN GREECE. Felt strongly in the Sparta-Yithion area.
	08	09 53 07.9*	22.609	N	99.806	E	10	G			1.4	6	BURMA-CHINA BORDER REGION
	08	10 56 48.6*	6.171	S	103.375	E	33	N	4.5		0.7	10	SOUTHWEST OF SUMATERA
	08	11 03 48.9*	22.865	S	175.148	E	33	N	4.7		1.0	23	SOUTH OF FIJI ISLANDS
	08	11 06 07.0?	7.86	N	83.06	W	10	G			0.3	7	OFF COAST OF COSTA RICA. MD 4.2 (HDC), 4.0 (UPA).
	08	11 20 54.4*	66.353	N	149.584	W	33	N			1.4	8	ALASKA
	08	12 03 41.0?	40.68	N	30.29	E	10	G			1.3	7	TURKEY
	08	12 25 14.0%	39.241	N	27.748	E	10	G			1.1	5	TURKEY
	08	12 49 56.9&	37.342	N	121.735	W	6					15	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	08	13 12 48.9%	40.175	N	3.625	W	10	G			0.8	5	SPAIN
	08	13 40 31.1*	30.729	S	71.416	W	27				1.3	13	NEAR COAST OF CENTRAL CHILE
	08	14 15 25.9?	58.20	N	6.42	E	10	G			0.5	9	SOUTHERN NORWAY. MD 2.6 (BER).
	08	14 17 08.7%	39.105	N	27.619	E	10	G			1.5	6	TURKEY
	08	16 13 08.4*	6.346	S	107.278	E	216	*	4.9		1.2	27	JAVA
	08	16 49 55.4*	45.862	N	14.734	E	10	G			1.5	5	YUGOSLAVIA. ML 2.1 (KBA)
	08	17 27 40.6%	40.441	N	29.283	E	10	G			1.4	8	TURKEY
	08	17 34 37.4?	17.39	N	63.01	W	10	G			0.4	9	LEEWARD ISLANDS. ML 3.1 (FDF).
	08	17 39 44.2?	17.42	N	62.89	W	10	G			0.6	8	LEEWARD ISLANDS. MD 3.3 (FDF).
	08	19 30 48.2?	19.44	N	67.46	W	10	G			0.2	5	MONA PASSAGE
	08	20 26 11.2?	3.96	S	145.92	E	114	?	4.8		1.4	12	NEAR N COAST OF PAPUA NEW GUINEA
	08	20 38 42.8*	2.815	S	129.774	E	33	N	4.4		0.6	13	CERAM
	08	20 42 12.6*	52.144	N	166.688	W	33	N	4.7		1.3	18	FOX ISLANDS, ALEUTIAN ISLANDS
	08	21 45 37.1&	57.874	N	142.912	W	10	G	4.4			55	GULF OF ALASKA. <AGS-P>. ML 4.3 (PMR).
	08	21 49 18.0*	20.946	S	68.916	W	200	?			1.5	16	CHILE-BOLIVIA BORDER REGION
	08	22 10 16.7*	54.843	N	162.509	W	108		4.7		1.1	19	ALASKA PENINSULA. Felt (III) at Cold Bay.
	08	22 33 48.0*	37.600	N	71.494	E	33	N	4.2		1.0	11	AFGHANISTAN-USSR BORDER REGION
	08	23 02 32.3	40.487	N	22.951	E	10	G			0.6	19	GREECE. MD 3.1 (ATH). Felt in the Epanomi area.
	08	23 03 12.8?	19.53	N	67.29	W	10	G			0.2	5	MONA PASSAGE
	08	23 25 40.8?	19.18	N	67.08	W	10	G			0.4	5	MONA PASSAGE
	09	00 11 30.4%	59.385	N	5.604	E	10	G			0.7	7	SOUTHERN NORWAY. ML 2.2 (BER).
	09	00 27 26.1%	41.862	N	12.747	E	10	G			0.4	5	SOUTHERN ITALY
	09	01 14 06.8?	22.88	N	100.07	E	10	G			0.4	5	BURMA-CHINA BORDER REGION. ML 4.2 (BJI).
	09	01 27 33.0*	63.503	N	149.994	W	119	?			1.1	7	CENTRAL ALASKA
	09	01 37 30.5*	6.924	S	129.751	E	182	?	4.6		1.2	10	BANDA SEA
	09	03 21 14.8?	10.61	N	84.97	W	128	?			0.4	10	COSTA RICA. MD 4.2 (HDC).
	09	04 19 19.7*	33.215	S	71.689	W	10	G			0.8	13	NEAR COAST OF CENTRAL CHILE
	09	05 13 44.3*	38.334	N	20.530	E	39	?	3.8		0.9	13	GREECE
	09	08 11 51.7	66.337	N	140.665	W	10	G			0.8	8	NORTHERN YUKON TERRITORY, CANADA
	09	10 41 45.5	19.949	S	133.932	E	10	G			0.7	6	NORTHERN TERRITORY, AUSTRALIA
	09	12 17 07.0?	8.01	S	126.57	E	124	?	4.1		1.4	8	TIMOR
	09	12 32 18.7	23.250	N	98.919	E	10	G			0.9	11	BURMA-CHINA BORDER REGION
	09	12 46 42.8	35.290	N	59.184	E	33	N	4.3		0.8	14	IRAN. ML 3.9 (MHI). Felt in the Koshmar-Torbat-e Heydariyeh area.
	09	13 35 54.0?	8.04	S	127.61	E	175	?	4.3		1.4	7	TIMOR
	09	14 50 33.9%	39.127	N	27.609	E	10	G			0.3	5	TURKEY
	09	17 01 10.5	34.606	N	25.199	E	33	N	4.0		1.4	18	CRETE. ML 4.0 (ATH).
	09	17 40 01.2	56.804	N	157.793	W	129	?			0.4	15	ALASKA PENINSULA
	09	18 05 56.2?	10.44	S	120.11	E	33	N	3.9		1.4	6	SUMBA ISLAND REGION
	09	18 08 45.2	26.920	N	129.291	E	22		4.9	4.4	1.0	44	RYUKYU ISLANDS
	09	18 53 27.7&	61.496	N	150.259	W	46					37	SOUTHERN ALASKA. <AGS-P>. ML 3.4 (PMR). Felt (II) at Palmer.
	09	19 34 32.1*	28.733	N	128.633	E	33	N	4.9		0.9	14	RYUKYU ISLANDS
	09	19 49 36.0?	10.92	N	62.93	W	172	?			0.7	9	NEAR COAST OF VENEZUELA
	09	19 58 10.1*	37.127	S	73.382	W	33	N	4.1	3.8	1.0	21	NEAR COAST OF CENTRAL CHILE
	09	20 14 59.9	36.984	N	116.009	W	5	G			0.4	32	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (NEIS).
	09	20 30 08.7?	35.28	S	70.99	W	106	?			0.4	14	CHILE-ARGENTINA BORDER REGION
	09	21 33 07.2	40.454	N	19.943	E	5	G			1.0	20	ALBANIA. ML 2.9 (TTG). MD 3.3 (ATH).
	09	23 21 01.7	24.961	N	142.747	E	42	*	4.9		0.8	42	VOLCANO ISLANDS REGION
a	09	23 29 55.1	44.333	N	148.292	E	36	D	5.7	4.5	0.9	252	KURIL ISLANDS. Felt (III) at Kurilsk. Felt (I JMA) at Morioka, Honshu.
	10	01 17 49.4	21.230	N	108.545	E	10	G	4.6		1.1	24	EASTERN CHINA. Seventy-one people injured and damage in the Qinzhou-Fangcheng area. Felt strongly at Nanning. Also felt at Wuzhou and Guangzhou.
	10	01 22 07.1?	11.85	N	73.26	W	33	N			1.3	6	NEAR NORTH COAST OF COLOMBIA. Felt (III) at Barranquilla
	10	01 56 36.0?	34.11	S	72.40	W	33	N			0.5	9	NEAR COAST OF CENTRAL CHILE
	10	02 56 24 0?	17.48	S	66.37	W	33	N			1.4	5	BOLIVIA
	10	05 08 03.0&	37.373	N	121.757	W	7		4.5	4.0		41	CENTRAL CALIFORNIA. <BRK>. ML 4.8 (BRK). Mo=9.9*10**15 Nm (BRK). Some items knocked from store shelves at San Jose. Felt (V) at Alviso, Aptos, French Camp, Half Moon Bay, Pacifica, San Jose and Scotts Valley; (IV) at Alameda, Albany, Boulder Creek, Holt, Loma Mar, Los Gatos, Moss Beach, Mountain View, New Almaden, Palo Alto, Ripon, Redwood Estates, San Carlos, San Gregorio, Santa Clara, Santa Cruz and Saratoga. Felt north to Eureka, south to Monterey and east as far as Modesto.
	10	05 18 30.8*	34.839	N	91.618	E	10	G			0.3	8	QINGHAI PROVINCE, CHINA
	10	07 22 54.0	43.831	N	146.071	E	126		4.7		0.8	49	KURIL ISLANDS. Felt (I JMA) at Nemuro, Hokkaido.
	10	08 56 38.7	43.360	N	12.984	E	29				0.9	12	CENTRAL ITALY. ML 2.3 (KBA). MD 2.6 (SSO).
	10	09 23 02.1?	29.74	S	69.56	W	33	N			1.0	5	CHILE-ARGENTINA BORDER REGION

	10	09	32	11.9?	46.32	N	9.10	E	10	G			0.2	5	SWITZERLAND
	10	09	43	34.6	23.436	N	99.345	E	10	G	4	6	1.5	21	BURMA-CHINA BORDER REGION. ML 4.4 (BJI).
	10	10	10	05.1*	4.085	S	127.637	E	190	*	4.7		1.1	16	BANDA SEA
	10	12	09	20.4?	16.84	N	62.55	W	33	N			1.2	10	LEEWARD ISLANDS
	10	13	07	10.8	12.339	N	143.965	E	33	N	5.0	4.4	1.0	54	SOUTH OF MARIANA ISLANDS
	10	14	00	34.1?	9.78	S	112.64	E	33	N	4.9		1.4	10	SOUTH OF JAVA
	10	14	59	02.8	16.575	N	63.369	W	28				1.0	15	LEEWARD ISLANDS
	10	15	39	24.6	46.696	N	6.760	E	10	G			1.0	32	SWITZERLAND. ML 3.2 (LDG). MD 2.7 (STR).
	10	15	42	20.5	3.807	N	75.375	W	33	N	4.2	3.4	1.4	12	COLOMBIA. Felt in the Manizales-Bogota-Cali area.
	10	15	48	47.2	23.084	S	68.795	W	153	?			0.8	9	NORTHERN CHILE
	10	17	05	34.2*	37.390	N	20.671	E	10	G			1.0	12	IONIAN SEA. MD 3.5 (ATH).
a	10	17	11	30.6	10.244	S	66.424	E	10	G	5.3	4.8	0.9	145	MID-INDIAN RISE
	10	17	17	43.7?	16.98	N	60.28	W	10	G			0.3	5	LEEWARD ISLANDS. ML 3 0 (FDF).
	10	17	45	06.0	35.324	N	140.882	E	10	G	5.0	4.6	0.9	101	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Choshi; (I JMA) at Chiba and Tateyama.
	10	17	53	44.1	36.152	N	31.133	E	10	G			1.5	18	TURKEY
	10	18	43	51.8	44.084	N	6.844	E	10	G			0.2	10	FRANCE. ML 2.5 (LDG).
	10	19	01	38.3	23.428	N	121.862	E	10	G	4.3		1.2	23	TAIWAN
	10	20	29	44.6*	31.490	S	67 871	W	10	G			1.5	10	SAN JUAN PROVINCE, ARGENTINA
	10	21	37	55.8?	7.75	S	123 58	E	273	?	4.9		1.1	12	BANDA SEA
	10	22	44	19.4?	8.47	N	123 91	E	33	N	4.8		0.9	12	MINDANAO, PHILIPPINE ISLANDS
	10	22	49	38.8*	22.781	N	99 965	E	10	G			1.4	8	BURMA-CHINA BORDER REGION. ML 4.2 (BJI).
	10	23	00	29.1?	36.03	N	137 01	E	260	*	4.2		1.5	11	HONSHU, JAPAN
	10	23	31	36.0*	20.931	S	67 846	W	33	N			1.0	5	SOUTHERN BOLIVIA
	10	23	43	10.1%	37 212	N	3 956	W	10	G			1.1	6	SPAIN
	10	23	52	29.8*	22.239	S	67 [illegible]	W	187	?			1.5	6	CHILE-BOLIVIA BORDER REGION
	11	00	02	10.3*	4 441	N	125 [illegible]	E	33	N	4.9		0.6	9	TALAUD ISLANDS
	11	02	24	24.7*	28.417	S	70 295	W	184	?			0.3	9	CENTRAL CHILE
	11	02	42	18.5&	37.370	N	121.772	W	6					13	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	11	03	07	33.1&	58.486	N	143.564	W	10	G				32	GULF OF ALASKA. <AGS-P>.
	11	03	11	59 3*	32.479	S	71.793	W	33	N			0.8	11	NEAR COAST OF CENTRAL CHILE
	11	04	02	49.2	35.276	N	22.961	E	48	*	3.9		0.9	19	MEDITERRANEAN SEA
	11	04	34	56.4?	7.02	S	129.12	E	159	?	4.3		0.2	5	BANDA SEA
a	11	05	48	57.3	2.365	S	138.844	E	25	D	5.3	5.3	1.3	91	WEST IRIAN
	11	05	52	27.9	0.813	N	27.437	W	10	G	4.9	5.0	0.8	67	CENTRAL MID-ATLANTIC RIDGE
	11	07	13	36.5*	7.398	S	128.521	E	175	?	4.6		1.0	9	BANDA SEA
	11	07	41	16.0	22.936	N	99.504	E	10	G	4.7		1.2	17	BURMA-CHINA BORDER REGION. ML 4.3 (BJI).
	11	08	45	04.4?	7.32	S	129.98	E	101	?			1.1	5	BANDA SEA
	11	09	48	32.5*	17.213	N	61.298	W	27	*			0.7	9	LEEWARD ISLANDS. ML 3.2 (FDF).
	11	10	18	12.7	23.363	N	99.373	E	10	G			0.9	11	BURMA-CHINA BORDER REGION. ML 4.4 (BJI).
	11	11	30	39.1	38.861	N	24.960	E	10	G			0.9	28	AEGEAN SEA. ML 3.3 (ATH).
	11	14	14	16.3?	27.55	N	86.02	E	33	N			0.2	5	NEPAL
	11	14	18	53.5&	37.464	N	118.844	W	10					7	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 2.9 (REN).
	11	14	32	49.9	6.702	S	127.384	E	404	*	4.4		0.7	16	BANDA SEA
	11	14	51	08.8*	7.529	S	130.725	E	33	N	4.4		1.6	7	TANIMBAR ISLANDS REGION
	11	15	28	10.9%	60.739	N	5.542	E	10	G			0.4	5	SOUTHERN NORWAY. MD 2.3 (BER).
	11	16	09	20.6	8.187	S	130.768	E	35	*	4.8		0.8	12	TANIMBAR ISLANDS REGION
	11	16	51	35.5*	6.012	S	146.936	E	69	*	4.6		1.3	19	EAST PAPUA NEW GUINEA REGION
	11	16	55	43.4*	13.475	N	90.733	W	65		4.5		1.2	38	NEAR COAST OF GUATEMALA
	11	17	52	50.3	38.033	N	20.137	E	46		4.5		1.4	121	GREECE. MD 4.4 (ATH). Felt in Ilia Province and on Zakinthos and Kefallinio.
	11	18	50	26.7*	37.728	N	21.599	E	63	?	3.6		1.2	14	SOUTHERN GREECE. MD 3.5 (ATH).
	11	19	10	12.1*	32.881	N	73.866	E	33	N			0.3	7	PAKISTAN
	11	20	11	22.2*	49.786	S	117.004	E	10	G	5.3		1.1	16	SOUTH OF AUSTRALIA
	11	21	41	20.4*	5.986	S	128.717	E	345	*	4.5		0.7	13	BANDA SEA
	11	23	07	35.6*	5.954	N	126.444	E	33	N	4.9		1.0	16	MINDANAO, PHILIPPINE ISLANDS
	11	23	10	10.4?	23.93	S	68.66	W	33	N			1.2	5	NORTHERN CHILE
	11	23	11	45.4	54.615	N	161.781	E	33	N	4.9		0.9	102	NEAR EAST COAST OF KAMCHATKA
	11	23	15	33.3?	6.51	N	82.80	W	10	G			0.5	10	SOUTH OF PANAMA
	11	23	26	52.1?	6.36	N	82.86	W	10	G			0.2	8	SOUTH OF PANAMA
	12	00	06	04.9*	10.990	S	111.581	E	33	N	4.8		0.7	9	SOUTH OF JAVA
	12	00	18	25.0&	58.163	N	142.656	W	10	G				26	GULF OF ALASKA. <AGS-P>.
	12	00	36	17.0*	6.858	N	82.751	W	10	G			0.8	12	SOUTH OF PANAMA
	12	00	55	26.6	36.501	N	4.390	W	112	*			1.0	11	STRAIT OF GIBRALTAR. MG 3.0 (MDD).
	12	02	08	35.6*	39.752	N	23.233	E	10	G			1.2	12	AEGEAN SEA. MD 2.8 (ATH).
	12	02	18	02.9%	35.919	N	139.148	E	33	N			0.7	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Kumagaya, Tokyo, Utsunomiyo and Maebashi.
	12	02	37	38.7%	35.923	N	139.134	E	33	N			1.0	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Kumagoya.
	12	02	44	18.3?	15.40	N	60.72	W	10	G			0.3	7	LEEWARD ISLANDS. ML 2.4 (FDF).
	12	03	30	03.7	50.078	N	78.988	E	0	G	5.3		0.9	236	EASTERN KAZAKH SSR
	12	03	30	22.8?	40.18	N	28.84	E	10	G			0.6	4	TURKEY
a	12	03	34	48.6	18.068	N	76.597	W	16	D	5.4	4.7	1.1	276	JAMAICA REGION. Damage (VI) at Kingston and Port Antonio. Felt throughout Jamaica and in the Niquero-Palma Soriano area, Cuba.
	12	04	40	46.3%	44.157	N	11.816	E	10	G			1.0	7	NORTHERN ITALY
	12	05	54	28.1?	6.84	N	82.74	W	10	G			0.7	8	SOUTH OF PANAMA
	12	07	05	10.1?	31.91	S	68.50	W	82	?			1.3	6	SAN JUAN PROVINCE, ARGENTINA
	12	07	31	15.2%	38.833	N	26.531	E	10	G			0.9	5	AEGEAN SEA
	12	07	43	09.2*	9 648	S	119.374	E	85	?			1 3	11	SUMBA ISLAND REGION
	12	09	20	13.8*	23.445	N	99.560	E	10	G	4.5		1.5	5	BURMA-CHINA BORDER REGION. ML 4.2 (BJI).
	12	11	48	01.9*	28.461	S	67.260	W	33	N			0 2	6	LA RIOJA PROVINCE, ARGENTINA
	12	12	41	29.8%	42.365	N	18.650	E	10	G			0.2	5	YUGOSLAVIA. MD 1.8 (TTG).
	12	14	15	27.7&	60.858	N	151.599	W	74					34	KENAI PENINSULA, ALASKA. <AGS-P>.
	12	14	52	48.3	53.370	N	169.619	W	150		4.5		0.8	97	FOX ISLANDS, ALEUTIAN ISLANDS
	12	15	19	04.7&	60 193	N	151.950	W	63					40	KENAI PENINSULA, ALASKA. <AGS-P>.
	12	16	23	21.1%	40.473	N	22.559	E	10	G			0.4	9	GREECE
	12	19	03	28.3	28.433	S	70.441	W	96		4 9		1.1	28	CENTRAL CHILE
	12	20	05	14.8*	17.641	N	94.344	W	140	?	4.7		0.7	16	CHIAPAS, MEXICO
	12	20	19	59.0&	59.608	N	152.992	W	96					30	SOUTHERN ALASKA. <AGS-P>.
	12	20	29	44.7&	59.740	N	152.962	W	95					32	SOUTHERN ALASKA. <AGS-P>.
	12	21	00	51.6*	35.628	N	52.380	E	33	N	4.2		1.4	11	IRAN. Felt at Garmsar.
	12	21	07	26.3?	37.37	N	25.16	W	10	G			0.2	6	AZORES ISLANDS

	13	02	16	28.0?	60.29	N	7.02	E	10	G			0.4	4	SOUTHERN NORWAY. MD 2.2 (BER).
	13	02	23	14.5?	28.59	N	85.79	E	33	N			1.2	5	NEPAL
	13	02	26	51.0&	59.947	N	153.237	W	118					35	SOUTHERN ALASKA. <AGS-P>.
a	13	02	37	15.2	0.239	S	122.949	E	104	D	5.5		1.2	180	MINAHASSA PENINSULA
	13	04	19	32.5	34.911	N	26.300	E	52	*	3.8		1.5	35	CRETE. MD 4.2 (ATH).
a	13	06	26	57.3	51.384	N	178.336	W	52		5.1		0.8	122	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	13	07	19	41.1?	57.21	S	24.57	W	33	N	4.7		1.5	8	SOUTH SANDWICH ISLANDS REGION
	13	09	12	33.2	1.899	N	126.400	E	85	*	4.9		1.1	33	MOLUCCA PASSAGE
	13	09	19	44.5*	3.677	S	153.297	E	184	*	4.5		0.7	7	NEW IRELAND REGION
	13	10	00	26.9?	40.69	N	143.41	E	33	N	4.1		1.2	6	OFF EAST COAST OF HONSHU, JAPAN
	13	11	53	25.0	42.636	N	110.974	W	5	G			0.5	26	WYOMING. ML 4.0 (NEIS). Felt (V) at Smoot, (IV) at Afton and Fairview, Wyoming. Felt (II) at Auburn, Wyoming and Geneva, Idaho.
	13	12	04	20.2	5.398	S	152.776	E	61	*	4.8		1.3	40	NEW BRITAIN REGION
	13	15	19	54.8*	38.025	N	15.837	E	72	*			0.9	9	SICILY
	13	16	47	46.1*	37.704	N	21.197	E	10	G			1.1	17	SOUTHERN GREECE. ML 3.3 (ATH)
	13	17	19	23.6	37.283	N	22.120	E	35	*	4.2		1.2	37	SOUTHERN GREECE. MD 3.6 (ATH).
	13	19	49	49.6*	19.614	S	69.454	W	33	N			0.5	5	NORTHERN CHILE
	13	20	41	35.0&	62.030	N	124.324	W	10	G				10	NORTHWEST TERRITORIES, CANADA. <PGC-P>. mbLg 4.0 (PGC).
	13	22	46	24.2?	37.67	N	71.09	E	33	N	4.6		0.1	7	AFGHANISTAN-USSR BORDER REGION
a	13	23	40	12.0*	34.827	S	108.599	W	10	G	5.3		1.0	47	EASTER ISLAND CORDILLERA
	14	01	23	05.2?	44.41	N	7.28	E	10	G			0.3	4	NORTHERN ITALY. ML 2.4 (GEN).
a	14	02	15	39.1	3.527	S	150.120	E	33	N	5.9	6.6	1.4	131	NEW IRELAND REGION. Ms 6.6 (BRK), 6.5 (PAS). Mo=1.3*10**19 Nm (PPT). Felt (V) at Kavieng. Felt (III) at Rabaul, New Britain. Multiple event, observed on broadband displacement seismograms.
	14	04	29	08.5	7.468	S	125.765	E	10	G	5.5	4.9	1.3	81	BANDA SEA
	14	06	15	43.1	44.424	N	70.386	W	5	G	3.8		0.4	7	MAINE. mbLg 3.8 (NEIS). Felt (V) at Buckfield and Canton; (IV) at Dixfield, Hanover, Livermore Falls, North Turner, Peru, Rumford, Rumford Point and West Peru; (III) at Jay, Livermore, Locke Mills, Lovell, New Vineyard, North Jay, Mount Vernon, Temple, Vassalboro, West Bethel, West Minot, West Paris and Wilton.
	14	07	35	38.3*	39.932	N	21.446	E	10	G			0.8	10	GREECE
	14	09	03	11.4*	30.161	N	82.137	E	101	?	4.5		1.1	15	TIBET
	14	09	55	49.2%	37.736	N	25.391	W	10	G			0.3	6	AZORES ISLANDS
	14	10	06	59.1*	4.893	S	77.460	W	73	?	4.5		0.8	11	NORTHERN PERU
	14	10	21	20.3*	18.561	N	145.726	E	174	*	4.7		1.1	20	MARIANA ISLANDS
a	14	10	48	20.0	52.338	N	171.192	W	33	N	5.0	4.6	1.0	114	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.1 (PMR). Felt (II) on Adak.
	14	11	31	21.1	5.745	S	129.732	E	186	*	5.0		1.1	29	BANDA SEA
a	14	16	55	34.8	32.529	S	71.587	W	53		5.3	4.8	1.2	58	NEAR COAST OF CENTRAL CHILE. Felt (III) in the Valparaiso and Santiago areas.
	14	17	29	30.8?	32.74	S	71.69	W	33	N			1.0	10	NEAR COAST OF CENTRAL CHILE
	14	17	32	37.8?	32.80	S	71.68	W	33	N			1.2	10	NEAR COAST OF CENTRAL CHILE
	14	18	21	32.8*	32.823	S	71.514	W	33	N			1.3	11	NEAR COAST OF CENTRAL CHILE
	14	18	28	11.4%	37.754	N	25.405	W	10	G			0.3	7	AZORES ISLANDS
	14	18	58	06.0&	37.363	N	122.278	W	11					11	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=3.5*10**13 Nm (BRK). Felt on the San Francisco Peninsula.
	14	19	21	47.5&	37.367	N	122.273	W	11					17	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=2.5*10**14 Nm (BRK). Felt (IV) at La Honda, San Gregorio and Hayward; (III) at Belmont and San Carlos; (II) at San Lorenzo. Also felt at San Mateo, Redwood City and Woodside.
	14	19	37	10.5%	15.822	N	60.899	W	10	G			0.2	7	LEEWARD ISLANDS. ML 2.8 (FDF).
	14	19	52	58.4&	37.367	N	122.273	W	11					14	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=9.5*10**13 Nm (BRK). Felt on the San Francisco Peninsula.
	14	20	06	41.8	51.691	N	16.202	E	10	G			1.1	13	POLAND. ML 3.9 (VKA), 3.7 (KBA).
	14	20	11	52.2	42.861	N	12.944	E	10	G			0.6	8	CENTRAL ITALY. MD 2.1 (SSO).
	14	20	38	26.6*	32.497	S	72.235	W	33	N			1.5	13	OFF COAST OF CENTRAL CHILE
	14	20	59	36.3?	37.65	N	20.84	E	10	G			0.9	5	IONIAN SEA
	14	22	03	33.9&	62.436	N	149.498	W	34					39	CENTRAL ALASKA. <AGS-P>. ML 3.1 (PMR).
	14	23	16	11.9	6.825	N	126.780	E	229		4.7		1.0	44	MINDANAO, PHILIPPINE ISLANDS
	15	00	02	43.0&	37.363	N	122.258	W	11					10	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	15	01	05	55.2*	30.125	S	71.245	W	87	*	4.8		1.4	22	NEAR COAST OF CENTRAL CHILE. Felt (IV) at La Serena and Coquimbo.
	15	01	34	42.8*	35.226	N	24.204	E	81	*	4.0		1.4	20	CRETE
	15	01	57	28.4&	57.054	N	143.096	W	10	G				35	GULF OF ALASKA. <AGS-P>. ML 4.5 (PMR).
	15	02	09	45.7*	15.125	N	119.468	E	33	N	4.1		1.0	10	LUZON, PHILIPPINE ISLANDS
	15	02	28	16.3?	9.48	S	120.35	E	202	?			1.6	7	SUMBA ISLAND REGION
	15	03	26	24.8	27.750	N	54.167	E	51	*	4.5		1.1	31	SOUTHERN IRAN. Felt at Lar.
	15	04	06	43.0	52.521	N	171.164	W	33	N	4.8		1.0	32	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.9 (PMR).
	15	04	31	30.8*	51.838	N	172.801	W	33	N	4.5		1.2	13	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
	15	04	39	18.0	40.460	N	22.617	E	10	G			1.1	12	GREECE. ML 2.4 (SKO).
	15	05	04	01.7?	27.02	N	60.84	E	33	N	4.3		0.4	5	SOUTHERN IRAN
	15	05	24	29.2*	36.364	S	178.258	E	143	*	5.1		1.1	20	OFF E. COAST OF N. ISLAND, N.Z.
	15	06	27	00.0*	30.972	S	67.189	W	33	N	4.7		1.3	22	SAN JUAN PROVINCE, ARGENTINA
f	15	08	41	42.3	52.109	N	171.103	W	23	G	5.9	5.4	1.1	362	FOX ISLANDS, ALEUTIAN ISLANDS. Ms 5.5 (BRK). Felt on Adak. Depth from broadband displacement seismograms.
	15	10	01	24.9?	30.21	S	71.61	W	33	N			1.6	10	NEAR COAST OF CENTRAL CHILE
	15	10	11	39.0	42.476	N	26.080	E	10	G			1.4	6	BULGARIA
a	15	10	28	14.3	23.145	N	99.685	E	18		5.2	4.8	1.2	124	BURMA-CHINA BORDER REGION
	15	10	34	27.1	63.265	N	150.676	W	33	N			0.6	8	CENTRAL ALASKA. ML 3.1 (PMR).
	15	12	07	15.3*	5.031	S	151.809	E	123	*	5.0		1.3	23	NEW BRITAIN REGION
	15	13	39	25.3%	61.185	N	10.128	E	10	G			0.5	6	SOUTHERN NORWAY. MD 2.4 (BER).
	15	14	20	52.0?	15.83	S	71.69	W	165	*			1.4	16	SOUTHERN PERU
	15	15	16	00.9	44.648	N	110.985	W	5	G			0.4	9	YELLOWSTONE NATIONAL PARK, WYO. ML 3.0 (BUT).
	15	15	32	09.3*	17.953	S	178.865	W	687	?	4.6		0.6	38	FIJI ISLANDS REGION
	15	15	35	42.8	62.904	N	148.684	W	33	N			1.1	10	CENTRAL ALASKA. ML 3.3 (PMR).
	15	15	37	52.0*	41.622	N	23.573	E	19	*			0.4	8	GREECE-BULGARIA BORDER REGION
	15	16	20	53.8?	61.88	N	5.36	E	10	G			0.7	4	SOUTHERN NORWAY. MD 2.3 (BER).
	15	16	56	46.2	42.018	N	89.295	E	33		5.0	4.3	1.1	67	NORTHERN XINJIANG, CHINA. ML 5.3 (BJI).
	15	17	34	45.1&	60.083	N	152.735	W	85					32	SOUTHERN ALASKA. <AGS-P>.

	15	19	22	14.3*	0.850	N	125.189	E	33	N	4.9	1.0	10	MOLUCCA PASSAGE
a	15	22	45	05.6	12.388	N	141.983	E	51	*	5.4 4.6	1.1	48	SOUTH OF MARIANA ISLANDS
	15	23	02	25.7?	34.10	S	72.22	W	33	N		0.7	9	NEAR COAST OF CENTRAL CHILE
	15	23	41	40.0	12.333	N	142.021	E	67	*	4.8	0.8	22	SOUTH OF MARIANA ISLANDS
	15	23	56	41.6	19.999	S	133.709	E	5	G	4.6	1.3	24	NORTHERN TERRITORY, AUSTRALIA
	16	01	20	36.9?	3.40	N	65.86	E	10	G	4.7	0.4	11	CARLSBERG RIDGE
	16	01	37	34.9*	12.436	N	141.788	E	33	N		0.9	11	SOUTH OF MARIANA ISLANDS
	16	02	13	39.6?	27.96	N	127.77	E	134	?	4.6	1.4	9	RYUKYU ISLANDS
	16	02	24	14.1&	37.370	N	122.272	W	11				12	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=2.8*10**13 Nm (BRK).
	16	02	54	31.1	42.223	N	24.397	E	10	G		0.8	13	BULGARIA
	16	04	16	48.3?	39.91	N	23.96	E	10	G		1.0	9	AEGEAN SEA
	16	04	37	23.2*	59.338	S	26.825	W	33	N	5.3	1.0	13	SOUTH SANDWICH ISLANDS REGION
	16	04	51	15.9&	11.340	N	85.732	W	10	G			9	NICARAGUA. <HDC>. MD 4.4 (HDC).
o	16	05	10	34.2	31.519	S	179.745	W	205		5.3	1.1	179	KERMADEC ISLANDS REGION
	16	05	28	19.9	14.146	N	91.106	W	76		4.9	1.3	136	GUATEMALA
o	16	05	53	20.2	21.768	S	179.426	W	582	G	5.8	1.2	197	FIJI ISLANDS REGION. Depth from broadband displacement seismograms.
	16	07	20	23.5	41.584	S	178.186	E	33	N	5.2 4.7	1.1	32	OFF E. COAST OF N. ISLAND, N.Z. ML 5.2 (WEL).
	16	08	12	08.5*	44.461	N	10.430	E	10	G		1.5	10	NORTHERN ITALY. ML 2.8 (LDG).
	16	08	34	15.8?	19.00	S	69.12	W	33	N		1.4	5	NORTHERN CHILE
	16	08	47	11.1	46.815	N	6.111	E	10	G		1.2	17	SWITZERLAND. ML 3.0 (LDG).
	16	09	22	18.7%	42.770	N	19.172	E	10	G		0.4	6	YUGOSLAVIA. MD 2.2 (TTG).
	16	10	35	34.5%	47.208	N	9.506	E	10	G		1.6	6	GERMANY
a	16	10	49	48.8	2.128	N	125.633	E	33	N	5.4 4.7	1.3	114	TALAUD ISLANDS
	16	10	49	53.3*	27.476	S	71.901	W	33	N		0.8	9	NEAR COAST OF NORTHERN CHILE
	16	12	28	06.4*	17.084	N	62.273	W	10	G		0.3	5	LEEWARD ISLANDS. ML 2.7 (FDF).
	16	15	20	55.0?	42.31	N	6.84	W	10	G		0.5	4	SPAIN. MG 2.7 (MDD).
	16	16	20	23.0	46.228	N	8.647	E	10	G		1.1	33	SWITZERLAND. ML 2.7 (LDG).
	16	16	24	52.4%	44.690	N	6.820	E	10	G		0.4	5	FRANCE. ML 2.0 (GEN).
	16	16	39	39.7*	10.383	S	116.181	E	67	?	4.9	1.2	20	SOUTH OF SUMBAWA ISLAND
	16	19	03	53.2	5.411	S	133.879	E	33	N	5.0	1.1	37	AROE ISLANDS REGION
	16	20	15	38.9*	67.944	N	156.349	W	10	G		1.2	6	ALASKA. ML 3.6 (PMR).
o	16	20	15	54.1	3.439	S	68.277	E	10	G	5.2 5.1	1.2	115	CHAGOS ARCHIPELAGO REGION
	16	21	40	42.6&	11.424	N	87.814	W	4				6	NEAR COAST OF NICARAGUA. <HDC>. MD 4.1 (HDC).
	16	21	47	05.8	43.438	N	5.426	E	10	G		0.7	16	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	16	22	22	59.7	42.525	N	142.139	E	33	N	4.7	0.6	13	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Urakawa.
	16	22	30	06.5&	37.270	N	121.685	W	4				12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	16	23	12	49.4?	2.96	S	68.58	E	10	G	4.1	1.1	10	CARLSBERG RIDGE
	16	23	48	22.6?	16.48	N	59.82	W	10	G		0.8	7	LEEWARD ISLANDS. ML 3.0 (FDF).
a	17	00	59	50.1	55.572	N	161.766	E	33	*	5.6 4.5	0.8	322	NEAR EAST COAST OF KAMCHATKA
	17	01	06	59.2	55.581	N	161.706	E	33	N	4.9	0.8	45	NEAR EAST COAST OF KAMCHATKA
	17	02	10	00.8	33.412	S	68.465	W	15			0.7	13	MENDOZA PROVINCE, ARGENTINA
	17	03	12	22.2&	62.186	N	154.047	W	38				36	CENTRAL ALASKA. <AGS-P>. ML 3.9 (PMR).
	17	03	36	30.3*	34.305	S	70.241	W	33	N		1.2	10	CHILE-ARGENTINA BORDER REGION
	17	04	11	07.2?	37.74	N	25.33	W	10	G		0.2	7	AZORES ISLANDS
	17	05	25	15.3%	40.525	N	23.626	E	10	G		0.3	7	GREECE
	17	05	43	06.0&	33.490	N	116.410	W	8				17	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt at India.
	17	06	12	01 4*	27.572	N	52.921	E	28	*	4.4	0.8	12	SOUTHERN IRAN
a	17	06	55	46.0	12.399	N	124.537	E	19	G	6.0 6.6	1.5	288	SAMAR, PHILIPPINE ISLANDS. Ms 6.4 (BRK). Twenty nine people injured and damage (VI RF) at Catarman. Felt (V RF) at Catbalogan and (IV RF) in southeastern Luzon and on Masbate. Two events about 3 seconds apart. Depth from broadband displacement seismagrams, based on second event.
	17	06	59	29.0?	42.99	N	18.85	E	10	G		0.7	4	YUGOSLAVIA. MD 2.0 (TTG).
	17	08	32	51.5%	43.975	N	7.536	E	10	G		0.2	5	NEAR SOUTH COAST OF FRANCE. ML 1.8 (GEN).
	17	10	11	06.1	20.456	S	178.021	W	476	*	5.0	0.9	74	FIJI ISLANDS REGION
	17	11	06	50.8*	33.988	S	71.337	W	33	N		0.2	8	NEAR COAST OF CENTRAL CHILE
	17	13	14	47.8	23.360	N	99.289	E	10	G	4.9	1.1	44	BURMA-CHINA BORDER REGION. ML 4.8 (BJI).
	17	13	34	14.6	42.578	N	24.162	E	10	G		0.7	8	BULGARIA
	17	13	36	24.7*	3.453	N	95.799	E	33	N	4.6	1.3	13	OFF W COAST OF NORTHERN SUMATERA
	17	14	12	50.3?	58.00	N	6.36	E	0	G		1.0	7	SOUTHERN NORWAY MD 2.5 (BER). Probable explosion.
	17	14	23	38.6*	32.485	S	71.912	W	11			0.4	12	NEAR COAST OF CENTRAL CHILE
	17	15	13	10.4	34.360	N	25.942	E	76	*	4.1	1.2	41	CRETE
	17	16	19	10.8&	40.470	N	125.080	W	10				8	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	17	18	03	41.0*	35.260	N	22.525	E	67	?	3.6	1.0	17	MEDITERRANEAN SEA. MD 3.8 (ATH).
	17	18	16	34.7*	33.278	S	69.559	W	33	N		1.3	11	CHILE-ARGENTINA BORDER REGION
	17	20	28	06.0	14.458	S	167.130	E	188	*	4.9	1.1	108	VANUATU ISLANDS
	17	20	35	57.9&	31.920	N	115.870	W	6	G			3	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	17	21	33	27.2%	37.477	N	4.033	W	10	G		1.4	9	SPAIN. MG 2.9 (MDD).
a	17	22	43	57.0	8.392	N	126.495	E	98	*	5.3	1 1	101	MINDANAO, PHILIPPINE ISLANDS
	17	23	01	16.1	42.808	N	13.011	E	10	G		0.7	7	CENTRAL ITALY MD 2.2 (SSO).
	17	23	17	51.0&	61.577	N	150.720	W	62				30	SOUTHERN ALASKA. <AGS-P>.
	18	00	58	02.6?	43.42	N	17.15	E	10	G		0.3	5	YUGOSLAVIA
	18	01	32	20.6*	0.757	N	27.754	W	10	G	4.7 4.3	1.1	12	CENTRAL MID-ATLANTIC RIDGE
	18	02	15	14.1*	38.570	N	30.422	E	10	G		1.3	5	TURKEY
	18	04	51	30.9*	42.706	N	12.906	E	10	G		1.8	5	CENTRAL ITALY
	18	08	06	55.8	17.966	S	178.692	W	639	*	5.2	0.8	78	FIJI ISLANDS REGION
	18	09	22	55.1?	28.33	N	85.17	E	33	N		1.8	5	NEPAL
	18	09	48	43.9&	38.832	N	122.795	W	5	G			16	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt in the Cobb area.
	18	11	03	43.6%	44.573	N	8.593	E	10	G		0.6	5	NORTHERN ITALY. ML 2.2 (GEN).
	18	11	33	21.4%	45.151	N	6.654	E	10	G		0.2	5	FRANCE. ML 2.2 (GEN).
	18	11	55	58.6	44.753	N	6.803	E	10	G		0.3	6	FRANCE. ML 2.1 (GEN).
	18	12	33	40.9&	38.835	N	122.797	W	3				8	NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK). Felt in the Cobb area.
	18	13	13	40.6*	33.551	S	72.385	W	33	N	3.8	1.0	17	OFF COAST OF CENTRAL CHILE. Felt (IV) at San Antonio, (III) at Valparaiso and (II) at Santiago.
	18	14	29	19.5*	23.414	N	99.140	E	10	G	4.9	1.6	8	BURMA-CHINA BORDER REGION. ML 4.2 (BJI).
	18	15	02	34.4?	43.67	N	146.48	E	55	?	4.5	0.2	10	KURIL ISLANDS
	18	16	11	54.7?	39.68	N	25.98	E	10	G		0.6	5	AEGEAN SEA

	18	17	09	21.0*	8.558	S	157.768	E	33	N		1.5	7	SOLOMON ISLANDS
	18	18	21	44.8	23.210	N	99.685	E	10	G	5.0	1.2	44	BURMA-CHINA BORDER REGION. ML 4.8 (BJI).
	18	18	54	06.4	34.678	N	25.760	E	32		4.5	1.4	94	CRETE. ML 4.0 (ATH). Felt in eastern Crete.
	18	19	07	48.5*	4.282	S	126.321	E	33	N	4.7	1.1	10	BANDA SEA
f	18	19	38	54.6	6.125	S	149.785	E	61	G	5.8 6.4	1.3	252	NEW BRITAIN REGION. Ms 6.8 (BRK), 6.4 (PAS). Felt (III) at Rabaul. Depth from broadband displocement seismograms.
	18	20	04	46.8	38.437	N	30.074	E	36		4.3	1.0	66	TURKEY. MD 4.2 (ATH).
	18	20	49	49.8?	44.96	N	17.32	E	10	G		1.5	5	YUGOSLAVIA. MD 3.1 (TRI). ML 2.9 (ZAG).
	18	22	18	44.2	22.722	N	99.629	E	10	G	4.4	1.1	9	BURMA-CHINA BORDER REGION. ML 4.4 (BJI).
	19	00	22	55.4*	32.033	S	71.477	W	16	*		1.0	13	NEAR COAST OF CENTRAL CHILE
	19	01	37	14.8	23.058	N	99.771	E	33	N	5.0	0.9	83	BURMA-CHINA BORDER REGION. ML 5.1 (BJI).
	19	03	30	35.6	6.130	S	151.720	E	33	N	4.7	0.7	9	NEW BRITAIN REGION
	19	08	14	01.6*	22.120	N	120.743	E	33	N	4.3	1.5	8	TAIWAN
	19	08	16	23.4*	31.892	S	71.672	W	33	N		0.8	16	NEAR COAST OF CENTRAL CHILE
	19	08	41	08.1*	7.558	S	145.278	E	33	N		0.4	5	NEAR S COAST OF PAPUA NEW GUINEA
	19	11	25	27.0?	26.88	N	101.10	E	10	G		1.3	7	YUNNAN PROVINCE, CHINA
	19	12	11	17.5&	47.916	N	120.041	W	1				23	WASHINGTON. <SEA>. CL 2.8 (SEA).
	19	12	47	53.1	39.035	N	107.330	W	5	G		0.8	14	COLORADO. ML 2.7 (NEIS).
	19	13	24	37.2?	52.90	S	73.37	W	33	N	4.7	1.4	6	NEAR COAST OF SOUTHERN CHILE
	19	14	52	21.4	27.680	N	140.014	E	345	*	4.9	0.6	84	BONIN ISLANDS REGION
	19	16	11	55.4	39.635	N	25.994	E	10	G		0.6	21	AEGEAN SEA. ML 3.5 (ATH).
	19	16	59	39.0?	6.75	S	127.28	E	424	?	4.7	0.8	7	BANDA SEA
	19	17	12	21.8?	37.60	N	25.30	W	10	G		0.1	6	AZORES ISLANDS
	19	17	23	38.2	5.407	S	152.095	E	80	*	4.9	1.0	19	NEW BRITAIN REGION
	19	17	26	19.4*	39.638	N	26.066	E	10	G		1.6	6	TURKEY. MD 3.1 (ATH).
	19	19	37	26.0&	42.004	N	111.472	W	2				8	EASTERN IDAHO. <SLC-P>. ML 2.6 (SLC).
	19	19	42	37.3&	41.996	N	111.472	W	6		4.9		69	UTAH. <SLC-P>. ML 4.8 (SLC). Felt (V) at Garden City, Lewiston and Roy, Utah; (IV) at Amalga, Henefer, Hyde Park, Logan, Millville, Providence and Richmond, Utah. Also felt (IV) at Bloomington, Clifton, Geneva, Montpelier, Ovid and Saint Charles, Idaho. Felt in northern Utah and southeastern Idaho.
	19	19	46	16.4&	42.010	N	111.465	W	2				6	EASTERN IDAHO. <SLC-P>. CL 2.8 (SLC). ML 3.7 (NEIS).
	19	20	00	53.1&	42.007	N	111.477	W	5		5.0		29	EASTERN IDAHO. <SLC-P>. ML 4.3 (SLC). Felt at Garden City and Lewiston, Utah. Felt in northern Utah and southeastern Idaho.
	19	20	20	58.3?	51.25	N	16.02	E	10	G		0.8	5	POLAND. ML 3.4 (VKA), 2.9 (KBA).
	19	20	33	25.1&	41.994	N	111.480	W	4				14	UTAH. <SLC-P>. ML 2.8 (SLC).
	19	21	06	28.2&	42.004	N	111.469	W	4				7	EASTERN IDAHO. <SLC-P>. ML 2.5 (SLC).
	19	21	11	21.5	39.953	N	24.401	E	10	G		0.8	24	AEGEAN SEA. ML 3.3 (ATH).
	19	22	13	35.4*	5.825	S	125.116	E	31		4.8	1.1	14	BANDA SEA
	19	22	13	55.4	42.588	N	12.855	E	10	G		0.4	22	CENTRAL ITALY. ML 2.6 (KBA). MD 2.4 (SSO).
	19	22	14	43.0*	42.572	N	11.910	E	10	G		1.1	8	CENTRAL ITALY
	19	22	18	03.8*	42.624	N	12.863	E	10	G		0.9	5	CENTRAL ITALY
	19	22	25	31.2	42.612	N	12.804	E	10	G		1.0	11	CENTRAL ITALY. MD 2.4 (SSO).
	19	22	31	26.5*	42.620	N	12.884	E	10	G		0.9	5	CENTRAL ITALY
	19	22	43	44.2	19.987	S	133.871	E	5	G		1.4	12	NORTHERN TERRITORY, AUSTRALIA
	19	22	51	40.6	42.605	N	12.895	E	8			0.8	22	CENTRAL ITALY. MD 3.5 (TRI), 3.2 (SSO).
	19	23	29	52.6	30.515	S	71.559	W	33	N	5.2	1.0	73	NEAR COAST OF CENTRAL CHILE
	20	00	04	53.8&	41.998	N	111.460	W	7				5	UTAH. <SLC-P>. CL 1.9 (SLC).
	20	00	06	39.0?	29.46	S	72.45	W	33	N		0.5	12	OFF COAST OF CENTRAL CHILE
	20	00	23	51.3*	32.252	S	71.976	W	33	N		1.4	16	NEAR COAST OF CENTRAL CHILE
	20	00	41	39.6*	36.974	N	26.518	E	10	G		0.9	5	DODECANESE ISLANDS. MD 3.5 (ATH).
	20	00	45	15.5*	17.335	N	94.432	W	33	N		1.1	5	CHIAPAS, MEXICO
	20	01	16	53.5	5.846	S	151.276	E	74	*	4.5	0.9	17	NEW BRITAIN REGION
	20	01	35	33.6	23.456	N	99.385	E	33	N	4.7	1.1	18	BURMA-CHINA BORDER REGION. ML 4.5 (BJI).
	20	02	52	51.6*	24.340	S	67.243	W	195	*		0.7	6	CHILE-ARGENTINA BORDER REGION
	20	03	41	12.3	6.613	S	154.877	E	58		5.0	1.1	24	SOLOMON ISLANDS. Felt (III) at Panguna, Bougainville.
	20	04	23	29.9*	24.278	S	178.619	E	633	?	4.8	0.9	49	SOUTH OF FIJI ISLANDS
	20	04	33	21.1*	7.679	S	155.962	E	33	N	4.1	1.1	5	SOLOMON ISLANDS. Felt (II) at Panguna, Bougainville.
	20	05	39	28.6&	33.510	N	118.070	W	6	G	5.0		93	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.5 (PAS), 4.6 (BRK). Felt (V) at Huntington Beach and (IV) at Commerce, Corona, Costa Mesa, Covina, Dana Point, Escondido, Hawthorne, Hollydale, La Habra, Lakewood, La Verne, Lomita, Long Beach, Los Alamitos, Maywood, Montebello, Norwalk, Rancho Santa Fe, Santa Ana, Seal Beach, Stanton and Surfside. Felt in Kern, Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura Counties.
	20	05	56	49.3?	37.61	N	25.32	W	10	G		0.2	7	AZORES ISLANDS
	20	07	39	36.5?	31.88	S	68.24	W	111	?		0.3	6	SAN JUAN PROVINCE, ARGENTINA
	20	08	03	25.2*	32.789	S	179.171	W	153	?	5.2	0.9	32	SOUTH OF KERMADEC ISLANDS
	20	08	27	54.3	47.500	N	151.934	E	33	N	4.8	0.9	55	KURIL ISLANDS
a	20	09	11	09 7	47.766	S	99.723	E	10	G	5.6 5.9	1.4	94	SOUTHEAST INDIAN RISE
	20	09	30	44.0*	35.157	N	31.930	E	10	G		0.3	5	CYPRUS
	20	09	35	53.1?	12.72	N	90.22	W	33	N	4.2 4.7	1.3	26	OFF COAST OF CENTRAL AMERICA
	20	10	45	21.1*	24.173	S	66.749	W	203	*	3.9	1.6	18	SALTA PROVINCE, ARGENTINA
	20	10	54	41.0*	51.494	S	161.595	E	10	G	4.8	1.4	5	NORTH OF MACQUARIE ISLAND
	20	13	53	20.2	28.426	N	129.911	E	53	*	5.0	1.0	58	RYUKYU ISLANDS. Felt (I JMA) at Naze.
	20	14	21	03.2?	24.39	S	65.82	W	33	N		0.4	6	SALTA PROVINCE, ARGENTINA
a	20	15	19	19.9	5.171	S	153.826	E	91		5.6	1.1	163	NEW IRELAND REGION. Felt (III) at Rabaul, New Britain. Also felt (III) at Arawa and Panguna, Bougainville.
	20	16	11	46.9*	39.018	S	175.196	E	92	?	4.9	1.4	9	NORTH ISLAND, NEW ZEALAND. Felt in the central area of North Island.
	20	17	46	35.5	43.036	N	13.057	E	10	G		1.2	18	CENTRAL ITALY. MD 3.4 (TRI), 3.0 (SSO). ML 2.7 (KBA).
	20	18	25	53.3*	9.596	N	127.280	E	52	?	4.8	1.3	40	PHILIPPINE ISLANDS REGION
	20	18	37	25.8*	32.543	S	71.443	W	23	*		0 7	9	NEAR COAST OF CENTRAL CHILE
	20	19	37	55.9	43.092	N	13.033	E	10	G		1.2	13	CENTRAL ITALY. MD 2.9 (SSO).
	20	19	48	09.7	58.168	S	26.266	W	33	N	5.5	1.0	28	SOUTH SANDWICH ISLANDS REGION
	20	20	15	45.5*	12.717	N	124.772	E	60	*	4.4	1.2	25	SAMAR, PHILIPPINE ISLANDS
	20	20	16	28.0	44.181	N	7.681	E	10	G		0.3	6	NORTHERN ITALY. ML 2.4 (GEN)
	20	20	43	14.1	47.723	N	7.534	E	10	G		0.3	7	SWITZERLAND. ML 2.9 (LDG)

a	20	21	01	05.9	35.281	N	28.685	E	10	G	5.2 4.9	1.4	335	EASTERN MEDITERRANEAN SEA ML 5.0 (ATH).
	20	21	27	42.6*	15.940	N	93.492	W	164	?		1.3	15	NEAR COAST OF CHIAPAS, MEXICO
	20	22	36	20.6	55.336	N	161.573	E	33	N	4.7	0.7	38	NEAR EAST COAST OF KAMCHATKA
	20	23	08	21.8	30.741	N	50.289	E	44		4.8	1.0	62	IRAN. Felt at Behbehan and Gachsaran.
	21	02	19	51.9?	37.34	N	15.05	E	10	G		0.4	4	SICILY
	21	02	49	54.6	44.807	N	9.285	E	10	G		0.6	22	NORTHERN ITALY
	21	02	54	07.6&	60.349	N	147.527	W	21				35	SOUTHERN ALASKA. <AGS-P>.
	21	03	10	40.9*	32.693	S	71.477	W	23			0.6	10	NEAR COAST OF CENTRAL CHILE
	21	03	50	58.7*	5.654	S	153.590	E	75	*	4.6	1.3	15	NEW IRELAND REGION
a	21	05	19	17.6	15.056	N	59.614	W	40		4.9 5.0	0.9	56	LEEWARD ISLANDS
a	21	05	30	51.6*	1.368	S	15.094	W	10	G	4.9 5.1	1.5	28	NORTH OF ASCENSION ISLAND
	21	05	36	30.8&	36.922	N	120.983	W	4				15	CENTRAL CALIFORNIA. <BRK> ML 2.6 (BRK).
	21	06	25	28.6&	11.318	N	85.917	W	150	G			9	NICARAGUA. <HDC>.
	21	06	28	05.3%	60.673	N	6.458	E	10	G		1.0	5	SOUTHERN NORWAY. MD 2.2 (BER).
	21	06	57	05.1?	5.25	S	153.88	E	129	?		0.7	5	NEW IRELAND REGION
	21	07	32	01.3*	45.994	N	151.654	E	33	N	4.8	0.7	19	KURIL ISLANDS
	21	08	45	09.5*	38.463	N	30.417	E	10	G		0.7	5	TURKEY
	21	10	19	05.4	31.466	N	9.541	W	10	G	4.4	1.4	32	MOROCCO
	21	11	04	29.9&	33.760	N	115.980	W	5				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	21	11	10	19.8	5.386	S	141.750	E	10	G	4.3	0.6	8	PAPUA NEW GUINEA
	21	11	22	00.4*	35.041	N	28.775	E	10	G		1.1	6	EASTERN MEDITERRANEAN SEA. MD 3.2 (ATH).
	21	11	22	36.3	44.364	N	111.012	W	10	G		0.6	9	HEBGEN LAKE REGION. ML 3.1 (NEIS).
	21	13	37	08.8*	8.445	S	130.933	E	132	*		0.9	10	TANIMBAR ISLANDS REGION
	21	13	43	26.2?	37.72	N	25.35	W	10	G		0.3	6	AZORES ISLANDS
	21	13	46	20.9?	37.84	S	175.85	E	332	?		1.0	6	NORTH ISLAND, NEW ZEALAND
	21	14	02	01.7	7.390	N	35.852	W	10	G	4.8	0.9	37	CENTRAL MID-ATLANTIC RIDGE
	21	14	23	41.1	40.026	N	120.727	W	5	G		0.3	7	NORTHERN CALIFORNIA. ML 2.7 (BRK).
a	21	15	32	38.7	1.977	N	126.897	E	53	D	5.5 5.2	1.2	127	MOLUCCA PASSAGE
	21	15	34	01.6?	15.13	N	59.31	W	33	N		0.4	8	LEEWARD ISLANDS. ML 3.1 (FDF).
	21	15	54	45.9	51.584	N	16.234	E	10	G		1.0	22	POLAND. ML 4.2 (GRF), 4.2 (KBA), 4.1 (VKA).
	21	16	18	57.7	65.025	N	147.255	W	10	G		0.7	7	ALASKA. ML 3.0 (PMR).
	21	16	41	03.2	19.818	N	122.419	E	33	N	4.7	1.1	27	PHILIPPINE ISLANDS REGION
a	21	16	55	52.5	37.938	N	26.142	W	11		5.8 5.3	0.9	291	AZORES ISLANDS. About thirty houses damaged (VII) and some landslides in western Sao Miguel. Felt (III) an Graciasa, Sao Jorge, Faial, Terceira, Pico and Santa Maria.
	21	17	03	20.9*	7.398	S	131.070	E	124	*	4.9	1.0	9	TANIMBAR ISLANDS REGION
	21	17	27	04.7	29.689	N	51.327	E	33	N	4.7	1.1	23	SOUTHERN IRAN
	21	17	44	59.3?	44.64	N	148.69	E	33	N	4.8	1.1	7	KURIL ISLANDS
	21	17	46	05.4	38.350	N	99.662	E	33	N	4.8 4.6	1.2	48	QINGHAI PROVINCE, CHINA
	21	17	50	33.2*	24.767	S	175.790	W	33	N	5.1	1.0	43	SOUTH OF TONGA ISLANDS
	21	18	22	42.3	38.823	N	99.736	E	33	N	3.9	1.1	5	QINGHAI PROVINCE, CHINA. ML 3.7 (BJI).
	21	18	32	51.6*	3.614	S	140.313	E	33	N	4.9	1.5	11	WEST IRIAN
	21	18	37	22.5%	38.127	N	25.991	W	10	G		0.5	9	AZORES ISLANDS
	21	19	49	39.7?	36.58	S	178.05	E	247	?		1.3	7	OFF E. COAST OF N. ISLAND, N.Z.
	21	20	21	43.1%	45.938	N	3.293	E	7			0.2	10	FRANCE. ML 2.3 (LDG).
	21	20	22	22.9	52.684	N	153.044	E	483	?	4.5	0.7	24	NORTHWEST OF KURIL ISLANDS
	21	20	26	50.5?	33.06	S	72.59	W	18			0.2	10	OFF COAST OF CENTRAL CHILE
	21	21	05	10.2?	28.40	S	74.47	W	33	N		0.6	9	OFF COAST OF CENTRAL CHILE
a	21	21	40	12.2	46.171	N	153.209	E	44	D	5.2 4.7	1.0	137	KURIL ISLANDS
	21	23	22	29.7?	37.70	N	25.35	W	10	G		0.2	7	AZORES ISLANDS
	22	00	53	23.9?	4.64	S	140.13	E	150	?	4.5	1.4	11	WEST IRIAN
	22	00	56	29.4?	37.55	N	25.32	W	10	G		0.2	7	AZORES ISLANDS
	22	01	18	49.6?	10.68	N	61.75	W	33	N		1.3	5	TRINIDAD
	22	01	20	58.4*	24.806	N	94.785	E	33	N		0.5	6	BURMA-INDIA BORDER REGION
	22	02	08	04.3?	37.34	N	25.17	W	10	G		0.2	7	AZORES ISLANDS
	22	03	20	09.2	45.460	N	6.679	E	10	G		0.3	7	FRANCE. ML 2.4 (GEN).
	22	03	46	13.0&	49.430	N	120.120	W	5				24	BRITISH COLUMBIA. <PGC-P>. ML 2.7 (PGC). Felt at Hedley.
	22	04	35	39.0*	12.498	N	124.633	E	33	N	4.9	1.1	14	SAMAR, PHILIPPINE ISLANDS
	22	04	40	50.5&	44.557	N	71.183	W	6				5	NORTHERN NEW ENGLAND. <WES>. mbLg 3.2 (WES). Felt in the Berlin-Milan area, New Hampshire.
	22	04	51	58.5*	32.225	S	71.494	W	33	N		1.1	13	NEAR COAST OF CENTRAL CHILE
	22	05	15	17.6*	9.435	S	118.800	E	33	N	4.3	1.3	7	SUMBAWA ISLAND REGION
	22	05	51	37.1%	38.022	N	26.075	W	10	G		0.1	9	AZORES ISLANDS
	22	06	19	01.6%	37.900	N	26.152	W	10	G		0.8	10	AZORES ISLANDS
	22	06	34	43.0%	15.988	N	60.483	W	10	G		0.2	7	LEEWARD ISLANDS. ML 3.1 (FDF).
	22	06	54	17.1	42.098	N	19.349	E	10	G		0.9	13	YUGOSLAVIA. MD 2.6 (TTG).
	22	07	55	41.9?	36.15	S	179.52	E	84	?	4.7	1.3	10	OFF E. COAST OF N. ISLAND, N.Z
	22	07	57	39.5&	37.398	N	118.562	W	8				46	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 4.1 (REN). ML 4.0 (BRK). Felt at Bishop.
	22	08	44	26.6&	37.394	N	118.566	W	8				10	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 2.9 (REN).
	22	10	05	07.6*	22.736	S	174.985	W	33	N	5.0 4.5	1.2	48	TONGA ISLANDS REGION
	22	10	28	43.2%	44.563	N	7.375	E	10	G		0.3	5	NORTHERN ITALY. ML 2.6 (GEN).
	22	10	30	33.6%	60.698	N	5.636	E	0	G		0.6	7	SOUTHERN NORWAY. MD 2.5 (BER). Probable explosion.
	22	11	00	05.8?	13.42	S	166.85	E	58	*	4.8 3.8	1.2	14	VANUATU ISLANDS
	22	11	16	57.3	10.842	N	62.010	W	83		4.2	0.8	29	NEAR COAST OF VENEZUELA. MD 4.2 (TRN). Felt (III) in northwestern Trinidad.
	22	11	20	57.5?	35.77	S	178.56	E	240	?	4.3	1.5	9	OFF E. COAST OF N. ISLAND, N.Z.
	22	12	17	47.7	52.136	N	152.620	E	439	?	4.4	0.7	46	NORTHWEST OF KURIL ISLANDS
	22	12	45	53.3?	4.47	N	127.31	E	33	N		0.9	7	TALAUD ISLANDS
	22	13	51	18.4*	34.308	N	25.295	E	10	G		1.3	7	CRETE. MD 3.7 (ATH).
	22	14	48	12.7%	38.121	N	26.063	W	10	G		0.4	8	AZORES ISLANDS
	22	15	15	26.3?	6.80	S	128.91	E	208	?		1.0	6	BANDA SEA
	22	15	20	44.3	41.781	N	75.097	E	33	N	4.9	0.9	34	KIRGHIZ SSR. Felt (IV) at Alma-Ata, Frunze and Min-Kush, (III) at Naryn.
	22	15	51	12.1%	60.736	N	5.027	E	0	G		0 7	6	SOUTHERN NORWAY. MD 2.4 (BER). Probable explosion.
	22	16	10	27.5	52.302	N	168.625	W	33	N	4.9 4.6	1 0	75	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
	22	17	23	14.3?	7.72	S	129.20	E	145	?	4.2	1 4	9	BANDA SEA
	22	18	11	41.9%	41.856	N	13.716	E	10	G		0.9	5	SOUTHERN ITALY
	22	20	23	13.2&	34.960	N	118.760	W	8				16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	22	20	24	43.9?	7.33	S	129.19	E	183	?	5.0	1.1	9	BANDA SEA
	22	21	12	53.8	46.085	N	4.379	E	21	*		1.0	14	FRANCE. ML 2.8 (LDG). MD 2.5 (STR).

	22	21	45	59.6?	3.87	S	80.05	W	33	N	4.5	1.0	9	PERU-ECUADOR BORDER REGION
	22	21	48	18.0	47.661	N	125.505	W	10	G		0.8	42	OFF COAST OF WASHINGTON. ML 4.0 (SEA).
	22	22	39	27.8?	36.84	N	142.24	E	10	G		0.7	5	OFF EAST COAST OF HONSHU, JAPAN
	22	23	52	14.7?	32.04	S	71.78	W	10	G		1.4	10	NEAR COAST OF CENTRAL CHILE
	23	00	21	10.8%	37.092	N	14.655	E	15			0.7	8	SICILY
	23	00	27	26.7%	37.882	N	26.266	W	10	G		0.4	10	AZORES ISLANDS
	23	02	08	50.0	52.668	S	27.478	E	10	G	4.7	0.9	23	SOUTH OF AFRICA
a	23	03	04	14.8	30.989	N	141.578	E	41		5.2 5.2	1.2	109	SOUTH OF HONSHU, JAPAN
	23	03	57	06.7	49.818	N	78.071	E	0	G	5.3	0.9	167	EASTERN KAZAKH SSR
	23	04	08	50.9	37.081	N	141.058	E	64		4.9	1.1	48	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Onahama, Mita and Fukushima; (I JMA) at Utsunamiya, Sendai and Shirakawa.
	23	05	10	55.1%	37.793	N	26.214	W	10	G		0.3	10	AZORES ISLANDS
	23	05	17	48.2*	40.145	N	19.826	E	10	G		0.8	13	ALBANIA. MD 3.8 (ATH).
	23	05	22	26.1	8.228	S	116.020	E	33	N	5.1 4.0	1.2	48	SUMBAWA ISLAND REGION
	23	05	34	10.7?	31.85	S	68.30	W	119	?		0.0	5	SAN JUAN PROVINCE, ARGENTINA
	23	05	38	49.9?	54.59	S	140.24	E	10	G	4.6	0.8	7	WEST OF MACQUARIE ISLAND
	23	06	25	30.0&	33.070	N	115.940	W	3				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	23	07	41	08.3*	15.316	N	60.927	W	30	*		0.2	9	LEEWARD ISLANDS. ML 2.7 (FDF).
	23	07	42	56.9?	39.39	N	22.02	E	10	G		1.4	5	GREECE. MD 3.6 (ATH).
	23	08	33	42.1?	37.99	N	25.97	W	10	G		0.3	6	AZORES ISLANDS
	23	08	39	40.9*	23.054	S	66.874	W	213	*		0.8	9	JUJUY PROVINCE, ARGENTINA
	23	09	11	27.3&	48.134	N	71.203	W	28		4.3		45	SOUTHERN QUEBEC. <OTT-P>. mbLg 4.8 (OTT). Felt in the Bagatville-Chicautimi and Quebec City-Trais Rivieres areas.
a	23	09	27	07.4	19.766	S	177.973	W	595	D	5.6	1.0	199	FIJI ISLANDS REGION
	23	10	26	22.3	16.439	S	167.295	E	15		4.8	1.1	28	VANUATU ISLANDS
	23	13	36	04.7&	61.436	N	149.431	W	42				45	SOUTHERN ALASKA. <AGS-P>. ML 3.3 (PMR). Felt (III) at Eagle River.
	23	14	34	04.7%	59.162	N	5.902	E	0	G		0.7	8	SOUTHERN NORWAY. MD 2.2 (BER). Probable explosian.
	23	14	50	04.4	44.469	N	7.333	E	10	G		0.4	11	NORTHERN ITALY. ML 2.7 (LDG), 2.4 (GEN).
	23	17	00	58.0	21.991	S	138.907	W	0	G	5.4	1.0	99	TUAMOTU ARCHIPELAGO REGION
	23	17	44	28.8*	15.451	N	60.325	W	10	G		0.3	9	LEEWARD ISLANDS. ML 3.3 (FDF).
	23	17	48	24.3	1.222	N	121.126	E	42	*	4.8	1.3	27	MINAHASSA PENINSULA
	23	18	18	37.8*	3.469	N	124.376	E	324	*	4.7	0.9	24	CELEBES SEA
	23	18	31	01.8*	13.236	N	57.553	E	10	G	4.2	1.2	7	ARABIAN SEA
	23	20	01	42.3	63.722	N	148.845	W	33	N		0.8	8	CENTRAL ALASKA
	23	20	11	22.5	38.573	N	117.739	W	5	G		0.4	12	NEVADA. ML 2.8 (NEIS). MD 3.0 (REN).
	23	22	32	49.2?	45.43	N	7.26	E	10	G		0.3	4	NORTHERN ITALY. ML 2.3 (GEN).
	23	22	43	08.8%	31.568	S	69.389	W	136	?		0.3	7	SAN JUAN PROVINCE, ARGENTINA
	23	23	06	09.7	18.047	S	178.310	W	581	*	4.9	1.0	83	FIJI ISLANDS REGION
	24	00	18	02.1	11.646	S	166.688	E	267	*	5.0	0.9	67	SANTA CRUZ ISLANDS
	24	00	24	20.6	41.222	N	23.724	E	10	G		1.1	13	GREECE-BULGARIA BORDER REGION. MD 2.8 (ATH).
	24	02	20	26.9%	38.129	N	26.067	W	10	G		0.2	8	AZORES ISLANDS
	24	03	27	59.3&	62.105	N	124.319	W	10	G			7	NORTHWEST TERRITORIES, CANADA. <PGC-P>. mbLg 3.5 (PGC).
	24	04	25	56.8	12.641	N	125.289	E	33	N	5.4 4.6	1.0	89	SAMAR, PHILIPPINE ISLANDS
	24	07	30	14.8*	40.220	N	142.469	E	52		4.8	0.8	28	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Miyoka and (I JMA) at Hachinohe, Mariako and Ofunato. Alsa felt at Sendai.
	24	08	17	44.6&	33.760	N	115.980	W	5				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	24	08	32	40.2	32.500	S	69.731	W	141	*		0.7	15	MENDOZA PROVINCE, ARGENTINA
	24	09	18	52.8*	13.419	S	166.914	E	33	N	4.8	1.0	14	VANUATU ISLANDS
	24	09	55	38.1?	45.73	N	150.43	E	33	N	4.8	1.3	9	KURIL ISLANDS
	24	10	22	24.4%	37.728	N	14.986	E	10	G		0.4	5	SICILY
	24	10	28	22.4%	37.692	N	14.946	E	10	G		0.2	5	SICILY
	24	10	31	55.0?	37.67	N	14.97	E	10	G		0.3	4	SICILY
	24	10	35	50.0&	61.829	N	150.684	W	58				44	SOUTHERN ALASKA. <AGS-P>.
	24	10	39	12.2%	37.684	N	14.978	E	10	G		0.2	5	SICILY
	24	11	28	33.4?	10.92	N	61.76	W	33	N		1.5	4	TRINIDAD
	24	11	39	17.9	37.295	S	47.723	E	10	G	5.0	0.9	34	ATLANTIC-INDIAN RISE
	24	12	06	48.0?	42.92	N	13.25	E	10	G		0.1	4	CENTRAL ITALY. MD 2.1 (SSO).
	24	12	16	40.1%	60.131	N	4.962	E	0	G		0.6	8	SOUTHERN NORWAY. MD 2.3 (BER). Probable explasian.
	24	12	24	46.7*	40.886	N	22.254	E	10	G		0.9	5	GREECE. ML 3.0 (SKO).
	24	12	34	14.4?	11.09	S	119.29	E	33	N	2.9	1.5	7	SOUTH OF SUMBA ISLAND
	24	12	37	21.8?	39.46	N	21.99	E	10	G		1.2	6	GREECE. ML 2.8 (SKO).
	24	13	25	24.8%	38.829	N	27.801	E	10	G		0.8	5	TURKEY
	24	14	21	41.1?	15.03	N	59.53	W	33	N		0.3	6	LEEWARD ISLANDS. ML 3.5 (FDF).
	24	14	25	55.2%	60.293	N	5.134	E	0	G		1.0	6	SOUTHERN NORWAY. MD 2.3 (BER). Probable explasian.
	24	14	26	00.1?	29.73	N	80.68	E	33	N		0.6	7	NEPAL-INDIA BORDER REGION
	24	14	54	37.3*	36.568	N	71.614	E	128	?	4.2	0.9	9	AFGHANISTAN-USSR BORDER REGION
	24	15	02	25.2?	37.67	N	25.35	W	10	G		0.1	6	AZORES ISLANDS
	24	15	09	23.6?	4.70	S	131.55	E	109	?	4.0	1.1	5	BANDA SEA
	24	15	35	40.9*	20.592	S	68.152	W	33	N		1.0	6	CHILE-BOLIVIA BORDER REGION
	24	16	08	46.5?	15.22	N	61.02	W	113	?		0.1	8	LEEWARD ISLANDS
	24	16	19	37.0?	62.39	N	5.02	E	10	G		0.2	6	SOUTHERN NORWAY. MD 2.4 (BER).
	24	16	23	38.5&	59.353	N	152.719	W	80				32	SOUTHERN ALASKA. <AGS-P>.
	24	17	19	25.5*	63.963	N	148.519	W	33	N		1.0	5	CENTRAL ALASKA. ML 3.3 (PMR).
	24	17	30	37.4?	44.56	N	6.83	E	10	G		0.0	4	FRANCE. ML 2.1 (GEN).
	24	17	53	47.2?	43.20	N	0.28	E	10	G		0.5	5	FRANCE ML 3.3 (LDG). Felt (III) at Laurdes and Argeles-Gazost.
	24	18	31	47.0*	4.226	S	133.865	E	33	N	4.2	1.5	10	WEST IRIAN REGION
	24	18	32	13.2&	62.058	N	124.289	W	10	G	4.3		11	NORTHWEST TERRITORIES, CANADA. <PGC-P>. mbLg 4.0 (PGC)
	24	20	26	04.0*	51.919	N	21.070	E	10	G		1.0	7	POLAND. ML 3.0 (KRA).
	24	20	54	17.1*	8.683	S	116.483	E	117	?	4.4	1.2	17	SUMBAWA ISLAND REGION
	24	22	07	33.0%	44.470	N	6.886	E	10	G		0.2	6	FRANCE. ML 2 4 (LDG).
	24	22	48	12.3	45.978	N	6.391	E	10	G		0.9	21	FRANCE. ML 2.9 (LDG).
	24	23	30	33.0?	25.54	S	179.61	E	566	?	5.3	0.9	25	SOUTH OF FIJI ISLANDS
	24	23	44	33.0%	25.408	S	116.631	E	10	G		0.5	5	WESTERN AUSTRALIA
	25	01	17	38.4	63.511	N	151 315	W	33	N		1.0	8	CENTRAL ALASKA. ML 3.7 (PMR).
	25	02	19	55.9	21.287	S	66.498	W	270		4.5	0.5	13	SOUTHERN BOLIVIA
	25	04	43	35.8?	18.35	S	167.10	E	165	?	4.2	0.1	6	VANUATU ISLANDS
	25	05	15	29.8?	31.33	S	68.34	W	103	?		0.5	6	SAN JUAN PROVINCE, ARGENTINA
	25	06	23	03.2?	16.33	N	99.07	W	24	?		0.3	5	NEAR COAST OF GUERRERO, MEXICO

	25	07	10	46.3*	15.026	N	60.555	W	33	N		0.2	10	LEEWARD ISLANDS. ML 2.9 (FDF).
a	25	08	35	41.7	47.897	S	99.455	E	10	G	5.5 6.2	1.2	108	SOUTHEAST INDIAN RISE
	25	11	02	55.1	36.126	N	27.165	E	36	?	4.0	1.3	15	DODECANESE ISLANDS. ML 4.0 (ATH).
	25	11	05	39.2*	45.985	S	95.724	E	10	G	4.5	0.8	12	SOUTHEAST INDIAN RISE
	25	12	38	42.2&	11.258	N	85.591	W	157	G			6	NICARAGUA. <HDC>. MD 4.3 (HDC).
	25	13	57	22.1	21.773	N	121.450	E	75		4.9	1.0	60	TAIWAN REGION
	25	14	13	19.0&	62.442	N	148.672	W	41				34	CENTRAL ALASKA. <AGS-P>. ML 2.8 (PMR).
	25	16	19	19.7?	33.41	S	72.44	W	15			1.2	12	OFF COAST OF CENTRAL CHILE
	25	17	06	02.8	43.088	N	12.776	E	10	G		0.7	7	CENTRAL ITALY
	25	18	21	20.9*	36.792	N	26.588	E	33	N		1.2	5	DODECANESE ISLANDS. ML 3.7 (ATH).
	25	18	31	01.0*	21.028	S	69.514	W	111	?		0.5	7	NORTHERN CHILE
	25	19	14	52.9&	35.820	N	118.310	W	10				6	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	25	19	43	46.8*	38.271	N	21.824	E	10	G		1.5	6	GREECE. ML 3.1 (ATH).
	25	20	37	55.4	23.175	S	66.781	W	239	*	4.5	0.6	9	JUJUY PROVINCE, ARGENTINA
	25	21	26	38.8	34.693	N	70.698	E	33	N	4.7	1.0	26	AFGHANISTAN
a	25	22	29	40.1	34.333	N	91.930	E	25	*	5.1 5.6	1.2	106	QINGHAI PROVINCE, CHINA. Felt.
	25	23	36	34.4%	40.835	N	16.502	E	10	G		0.6	7	SOUTHERN ITALY
a	25	23	46	04.5&	48.117	N	71.183	W	29		5.9 5.8		534	SOUTHERN QUEBEC. <OTT>. Ms 5.7 (BRK). Damage in the Chicoutimi-La Baie area and in the Quebec City area. Maximum intensity VII. Landslides reported in the La Tuque area. Felt in Canada from southern Ontario to Novo Scotia and western Labrador. Felt (V) in ports of Maine, Vermont, New Hampshire and New York. Felt in the New England States and in parts of Indiana, Michigan, New Jersey, New York, Ohio, Pennsylvania, Wisconsin and as far south as Washington, D.C. Depth 19.8 kilometers from broadband displacement seismograms.
	26	00	34	07.1?	17.15	N	62.11	W	138	?		0.2	13	LEEWARD ISLANDS
	26	00	39	13.4*	34.304	N	91.998	E	33	N		1.2	9	QINGHAI PROVINCE, CHINA
	26	02	17	06.5?	37.81	N	15.55	E	10	G		0.4	4	SICILY
	26	02	48	09.6?	51.98	N	17.08	E	10	G		0.1	5	POLAND. ML 2.8 (KBA).
	26	02	54	24.0*	42.914	N	17.688	E	10	G		1.2	10	ADRIATIC SEA. MD 2.8 (TTG).
	26	02	55	09.4*	19.457	N	64.411	W	11			0.8	17	VIRGIN ISLANDS
	26	03	04	03.9?	19.70	S	133.93	E	5	G		0.2	4	NORTHERN TERRITORY, AUSTRALIA
	26	03	08	57.3?	18.98	N	65.29	W	10	G		0.3	7	PUERTO RICO REGION
	26	03	38	08.2&	48.145	N	71.307	W	26				20	SOUTHERN QUEBEC. <OTT-P>. mbLg 4.1 (OTT), 4.1 (NEIS).
	26	03	51	52.0&	21.958	N	31.375	E	33	N			13	SUDAN. <HLW>. ML 4.0 (HLW).
	26	04	24	53.9&	60.378	N	152.213	W	104				45	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Homer.
	26	04	47	25.7&	47.986	N	71.166	W	33				3	SOUTHERN QUEBEC. <OTT-P>. mbLg 2.6 (OTT).
	26	04	54	20.5&	48.143	N	71.279	W	25				3	SOUTHERN QUEBEC. <OTT-P>. mbLg 2.9 (OTT).
	26	06	35	05.1*	8.377	S	115.967	E	33	N	4.6	1.2	13	BALI ISLAND REGION
	26	06	36	31.0&	48.107	N	71.093	W	34				3	SOUTHERN QUEBEC. <OTT-P>. mbLg 2.6 (OTT).
	26	08	13	20.8&	48.159	N	71.022	W	27				3	SOUTHERN QUEBEC. <OTT-P>. mbLg 2.5 (OTT).
	26	08	20	42.4%	38.138	N	25.989	W	10	G		0.2	9	AZORES ISLANDS
	26	10	18	13.6*	5.607	S	102.699	E	54	*	5.0 4.7	1.3	44	SOUTHERN SUMATERA
	26	10	25	02.7	45.557	N	26.727	E	130	*		0.9	21	ROMANIA
	26	10	39	30.5*	35.209	N	23.041	E	47	?	4.1	1.2	10	CRETE. ML 3.8 (ATH).
	26	11	27	15.7	30.958	N	49.960	E	33	N	4.4	1.1	17	WESTERN IRAN. Felt at Fashan.
	26	12	48	47.7%	60.577	N	4.919	E	0	G		1.0	6	SOUTHERN NORWAY. MD 2.2 (BER). Probable explosian.
	26	13	05	16.2%	60.555	N	4.997	E	0	G		0.9	7	SOUTHERN NORWAY. MD 2.3 (BER). Prabable explosion.
	26	13	57	24.9*	6.624	S	130.116	E	154	*	5.1	1.5	28	BANDA SEA
	26	15	18	40.5	36.070	N	118.082	W	5	G		0.7	9	CENTRAL CALIFORNIA. MD 3.0 (REN).
	26	15	43	14.3?	27.73	S	179.97	W	524	?	4.6	0.8	13	KERMADEC ISLANDS REGION
	26	16	13	36.2&	60.030	N	150.106	W	43				37	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.3 (PMR).
	26	16	35	04.0	62.863	N	150.605	W	116	?		0.6	11	CENTRAL ALASKA
	26	18	01	55.7	45.883	N	10.785	E	10	G		1.0	8	NORTHERN ITALY. MD 2.6 (TRI). ML 2.5 (KBA).
	26	18	19	09.7*	22.031	S	174.992	E	33	N	4.4 4.4	1.2	14	LOYALTY ISLANDS REGION
a	26	18	40	12.2	6.696	N	77.535	W	5	G	5.5 5.1	1.0	215	NEAR WEST COAST OF COLOMBIA. Felt (III) at Garachine, La Palma and Darien, Panama.
	26	19	03	21.0?	35.13	S	71.14	W	119	?		0.4	12	CENTRAL CHILE
	26	19	21	41.5*	30.947	N	141.777	E	33	N	4.7 4.5	1.0	20	SOUTH OF HONSHU, JAPAN
	26	19	57	03.7	54.927	N	161.242	W	33	N		0.7	11	ALASKA PENINSULA
a	26	20	20	16.4	1.547	N	126.534	E	59	*	5.2	1.1	80	MOLUCCA PASSAGE
a	26	20	47	17.0	5.198	S	131.739	E	48	*	5.4 4.7	0.9	82	BANDA SEA
	26	20	49	28.7*	38.287	N	22.080	E	33	N		0.5	6	GREECE. ML 3.1 (ATH).
	26	22	40	08.9?	37.65	N	25.34	W	10	G		0.2	7	AZORES ISLANDS
	26	23	59	02.2?	37.46	N	20.28	E	10	G		1.4	4	IONIAN SEA. ML 3.4 (ATH).
a	27	00	36	19.0	50.801	N	130.054	W	10	G	5.1 5.3	1.1	89	VANCOUVER ISLAND REGION
	27	00	41	03.4%	37.734	N	25.429	W	10	G		0.2	6	AZORES ISLANDS
	27	01	16	21.3	35.929	N	70.506	E	92	D	4.8	1.2	61	HINDU KUSH REGION. Felt (III) at Khorag, USSR. Also felt at Chitral, Pakistan.
	27	01	20	16.9?	37.54	N	25.31	W	10	G		0.1	6	AZORES ISLANDS. Felt (III) at Vila Franca and Povoacao.
	27	01	20	21.7	44.479	N	8.682	E	14			0.6	16	NORTHERN ITALY. ML 2.7 (GEN).
	27	01	24	18.9?	37.60	N	25.32	W	10	G		0.1	7	AZORES ISLANDS. Felt (II) at Vila Franca and Povoacao.
	27	01	26	04.9?	37.52	N	25.29	W	10	G		0.2	6	AZORES ISLANDS. Felt (IV) on western Sao Miguel.
	27	01	34	13.2?	2.58	S	129.24	E	33	N	4.4	1.0	6	CERAM
	27	01	37	36.0?	37.60	N	25.33	W	10	G		0.2	7	AZORES ISLANDS
	27	01	40	30.0?	37.31	N	25.12	W	10	G		0.4	7	AZORES ISLANDS
	27	01	59	17.3	0.086	S	124.308	E	89	*	5.1	1.3	43	MOLUCCA SEA
	27	02	00	12.9?	37.57	N	25.30	W	10	G		0.2	7	AZORES ISLANDS
	27	02	49	35.2%	46.116	N	2.787	E	10	G		0.7	6	FRANCE. ML 1.7 (LDG).
	27	02	52	10.6*	43.025	N	17.919	E	10	G		1.4	8	YUGOSLAVIA. ML 2.5 (TTG).
	27	03	30	21.5*	44.565	N	7.237	E	10	G		0.9	5	NORTHERN ITALY. ML 2.1 (GEN).
a	27	04	17	56.2	22.749	N	99.852	E	16	*	5.0 5.1	1.0	108	BURMA-CHINA BORDER REGION. One person injured and additional damage in southwestern Yunnan Province, China.
	27	05	34	24.4?	37.61	N	25.32	W	10	G		0.1	7	AZORES ISLANDS. Felt (IV) at Vila Franca and Povoacao.
	27	05	35	49.5?	37.48	N	25.25	W	10	G		0.2	6	AZORES ISLANDS. Felt (IV) at Vila Franca and Povoacao.
	27	06	32	07.1?	37.61	N	25.32	W	10	G		0.3	5	AZORES ISLANDS
	27	06	35	01.6?	37.68	N	25.36	W	10	G		0.2	7	AZORES ISLANDS
	27	06	40	46.8*	50.814	N	129.880	W	10	G	4.0	1.1	14	VANCOUVER ISLAND REGION
	27	06	43	21.2?	37.72	N	25.37	W	10	G		0.2	7	AZORES ISLANDS
	27	06	52	37.8*	50.928	N	129.475	W	10	G	3.9	1.3	18	VANCOUVER ISLAND REGION

	27	07	12	42.4?	23.15	N	93.36	E	33	N	5.2	0.5	8	BURMA-INDIA BORDER REGION
	27	07	38	03.8*	4.510	N	126.398	E	58	?	4.8	1.1	30	TALAUD ISLANDS
	27	07	59	10.4*	8.911	S	124.135	E	33	N	4.5	1.3	13	TIMOR
	27	08	49	53.7?	15.74	S	174.91	W	101	?	4.8	1.2	46	TONGA ISLANDS
	27	09	10	07.5*	6.510	S	152.811	E	33	N	4.0	1.5	11	NEW BRITAIN REGION
	27	11	12	30.2%	39.123	N	27.537	E	10	G		0.7	5	TURKEY
	27	11	23	46.3?	39.23	N	27.55	E	10	G		0.1	4	TURKEY
	27	13	22	51.8*	32.102	N	140.818	E	81	?	4.7	0.4	11	SOUTH OF HONSHU, JAPAN
	27	13	44	31.2?	33.05	S	70.33	W	92	?		0.3	9	CHILE-ARGENTINA BORDER REGION
	27	14	08	15.1	37.403	N	27.401	E	10	G		1.3	9	TURKEY
	27	14	08	17.6	51.390	N	176.703	W	33	N	5.1	1.3	57	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR). Felt (IV) on Adak.
	27	16	07	15.6?	44.29	N	147.62	E	33	N	4.7	0.6	25	KURIL ISLANDS
	27	16	09	34.4?	37.69	N	25.27	W	10	G		0.8	7	AZORES ISLANDS
	27	16	22	07.5*	20.769	S	69.002	W	125	*		1.4	13	NORTHERN CHILE
	27	16	38	46.6	38.002	N	20.879	E	23		4.0	1.2	41	GREECE. ML 3.8 (ATH).
	27	17	24	43.0?	37.78	N	20.79	E	10	G		0.9	4	IONIAN SEA. ML 3.1 (ATH).
	27	17	48	43.1*	19.837	N	121.835	E	75	?	4.5	1.2	17	PHILIPPINE ISLANDS REGION
	27	18	25	06.6%	18.002	N	66.941	W	33	N		1.4	6	PUERTO RICO REGION
	27	19	35	40.1&	37.281	N	117.695	W	0				14	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 2.9 (REN).
	27	19	49	35.2*	21.874	S	67.044	W	33	N		1.5	5	CHILE-BOLIVIA BORDER REGION
	27	20	22	13.2?	37.54	N	25.31	W	10	G		0.2	7	AZORES ISLANDS
	27	21	41	29.4*	37.373	N	71.665	E	33	N	4.6	1.6	6	AFGHANISTAN-USSR BORDER REGION
	27	22	21	43.5	34.412	N	91.988	E	33	N	4.5	1.6	24	QINGHAI PROVINCE, CHINA
	27	22	36	54.0&	37.276	N	117.694	W	1				11	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 2.8 (REN).
	27	23	55	16.7%	59.761	N	5.516	E	10	G		0.6	7	SOUTHERN NORWAY. MD 2.4 (BER).
	28	00	00	02.6*	34.181	S	178.316	W	63	*	4.7	0.9	36	SOUTH OF KERMADEC ISLANDS
a	28	00	31	22.9	21.316	S	68.408	W	122	D	5.2	1.1	94	CHILE-BOLIVIA BORDER REGION
	28	00	41	30.8	17.834	S	167.137	E	10		4.9	1.0	30	VANUATU ISLANDS
	28	02	03	07.7*	53.329	N	163.692	W	33	N	4.7	1.2	24	UNIMAK ISLAND REGION. ML 4.2 (PMR).
	28	02	43	47.1&	60.260	N	153.110	W	139				40	SOUTHERN ALASKA. <AGS-P>.
	28	02	46	34.8	41.490	N	26.504	E	10	G		1.0	15	GREECE-BULGARIA BORDER REGION
	28	03	15	29.4?	31.61	S	66.54	W	153	?		1.0	12	LA RIOJA PROVINCE, ARGENTINA
	28	03	28	10.8	36.142	N	31.309	E	10	G		1.1	18	TURKEY. MD 3.8 (ATH).
	28	03	35	57.0?	32.15	N	135.79	E	33	N	4.7	1.1	5	SOUTHEAST OF SHIKOKU, JAPAN
	28	03	38	11.2	23.044	N	99.717	E	27		4.9	0.8	76	BURMA-CHINA BORDER REGION
	28	03	50	46.3&	60.007	N	152.103	W	78				28	SOUTHERN ALASKA. <AGS-P>.
	28	05	19	08.7	28.567	N	64.105	E	70	*	4.9	1.1	87	PAKISTAN
	28	05	21	44.9*	4.671	N	125.959	E	172	?	4.9	1.2	24	TALAUD ISLANDS
	28	05	32	28.8	42.376	N	16.768	E	10	G		0.9	26	ADRIATIC SEA. ML 3.3 (KBA). MD 3.2 (TTG).
	28	07	37	35.3	51.742	N	176.776	W	64	D	5.2	0.9	99	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (IV) on Adak.
	28	08	13	51.7?	40.60	N	27.54	E	10	G		0.5	5	TURKEY
	28	08	30	19.9?	13.65	N	120.61	E	213	?	4.7	0.9	11	MINDORO, PHILIPPINE ISLANDS
	28	08	41	12.9*	50.614	N	7.200	E	10	G		1.0	6	GERMANY. MD 2.3 (DOU).
	28	09	22	09.0?	36.89	N	143.80	E	33	N	4.0	0.8	6	OFF EAST COAST OF HONSHU, JAPAN
	28	09	56	24.3?	39.12	N	27.72	E	10	G		0.3	4	TURKEY
	28	10	02	16.0%	39.159	N	27.539	E	10	G		0.6	5	TURKEY
	28	10	46	46.8&	41.997	N	111.478	W	6				15	UTAH. <SLC-P>. ML 3.2 (SLC).
	28	11	16	36.5%	39.695	N	29.330	E	10	G		0.5	5	TURKEY
	28	11	50	29.1?	32.51	S	71.78	W	33	N		0.6	7	NEAR COAST OF CENTRAL CHILE
	28	12	06	50.7%	39.549	N	29.515	E	10	G		1.2	6	TURKEY
	28	12	09	26.9%	39.641	N	29.334	E	10	G		1.0	5	TURKEY
	28	12	13	06.1	27.001	S	26.708	E	5	G		1.4	10	REPUBLIC OF SOUTH AFRICA. MG 4.0 (BUL).
	28	13	00	37.4%	40.933	N	29.908	E	10	G		1.0	9	TURKEY
a	28	14	49	53.1	6.339	S	149.917	E	45		5.1 4.8	1.0	78	NEW BRITAIN REGION
	28	15	45	29.2?	43.11	N	12.87	E	10	G		0.5	4	CENTRAL ITALY. MD 2.3 (SSO).
	28	16	48	49.1	25.907	N	128.372	E	32		4.9	1.1	53	RYUKYU ISLANDS. Felt (I JMA) at Naha.
	28	16	51	09.3	5.564	S	151.574	E	60	*	5.2	1.2	24	NEW BRITAIN REGION
	28	17	29	24.2*	6.401	S	149.895	E	45	?	4.6	1.5	13	NEW BRITAIN REGION
	28	17	57	06.1	7.006	S	155.590	E	71		5.0	1.1	26	SOLOMON ISLANDS
	28	18	41	00.3*	36.950	N	71.733	E	33	N	4.3	0.6	7	AFGHANISTAN-USSR BORDER REGION
	28	19	20	47.3*	5.618	S	149.575	E	92	*	4.0	0.7	6	NEW BRITAIN REGION
	28	19	24	49.8*	31.551	S	69.345	W	136	?		1.2	10	SAN JUAN PROVINCE, ARGENTINA
	28	19	34	09.1%	38.083	N	26.103	W	10	G		0.2	8	AZORES ISLANDS
	28	19	54	28.2	36.268	N	4.547	W	100	*		0.8	18	STRAIT OF GIBRALTAR. MG 3.3 (MDD).
	28	20	13	03.0*	2.954	S	137.933	E	33	N	5.1 3.9	1.4	14	WEST IRIAN
	28	21	00	18.0	36.493	N	70.715	E	189	*	4.7	1.1	27	HINDU KUSH REGION
	28	21	03	52.0*	51.625	N	16.116	E	10	G		0.7	14	POLAND. ML 4.1 (GRF), 3.9 (VKA), 3.6 (KBA).
	28	21	12	28.6*	51.309	N	15.711	E	10	G		1.3	12	POLAND. ML 4.1 (GRF), 4.0 (VKA).
	28	22	41	19.5	1.098	N	126.931	E	138		5.3	1.0	89	MOLUCCA PASSAGE
	28	23	21	11.5*	24.904	S	70.018	E	10	G	5.0	1.0	18	MID-INDIAN RISE
	29	01	18	05.2?	3.77	S	128.73	E	33	N	4.4	0.7	7	CERAM
	29	01	23	38.8	45.566	N	21.432	E	15			1.2	46	ROMANIA. ML 3.9 (ZAG).
	29	01	43	11.8&	60.320	N	153.562	W	174				19	SOUTHERN ALASKA. <AGS-P>.
	29	02	12	34.1*	35.163	N	27.528	E	10	G		1.1	5	DODECANESE ISLANDS. MD 3.3 (ATH).
	29	02	23	33.7%	15.802	N	60.444	W	10	G		0.8	8	LEEWARD ISLANDS. ML 2.9 (FDF).
	29	02	25	13.1%	15.780	N	60.562	W	10	G		0.8	8	LEEWARD ISLANDS. ML 3.2 (FDF).
	29	04	13	56.8&	47.571	N	122.403	W	10				40	WASHINGTON. <SEA>. CL 2.6 (SEA). Felt in the western part of Seattle.
	29	04	14	55.4%	39.025	N	28.572	E	10	G		1.3	11	TURKEY
	29	04	19	30.1?	5.56	S	149.83	E	166	?	4.5	0.9	6	NEW BRITAIN REGION
	29	04	31	45.2*	6.358	S	149.908	E	62	?	4.5	0.4	7	NEW BRITAIN REGION
	29	04	42	01.7*	46.006	N	153.324	E	33	N	4.9	1.3	34	KURIL ISLANDS
	29	05	24	02.3?	44.33	N	20.19	E	10	G		1.3	6	YUGOSLAVIA. ML 3.7 (TTG).
	29	06	03	25.5*	24.300	S	66.687	W	298	?		0.8	7	SALTA PROVINCE, ARGENTINA
	29	06	32	36.6?	37.10	N	57.68	E	33	N	4.6	0.5	9	IRAN-USSR BORDER REGION. Felt at Quchan, Chirvan and Farog, Iran.
	29	07	51	14.4	56.423	S	27.187	W	10	G	5.6	1.0	26	SOUTH SANDWICH ISLANDS REGION
	29	07	54	34.6*	32.011	S	70.279	W	194	*	4.2	1.3	15	CHILE-ARGENTINA BORDER REGION
	29	08	06	22.2%	42.157	N	19.104	E	10	G		0.3	5	YUGOSLAVIA. MD 2.1 (TTG).
	29	08	46	25.1	6.322	S	149.736	E	25	?	4.7	1.1	24	NEW BRITAIN REGION
	29	08	54	40.2	6.290	S	149.786	E	47	*	4.7	1.1	30	NEW BRITAIN REGION
a	29	09	03	07.7	6.276	S	149.774	E	50		4.9	1.0	48	NEW BRITAIN REGION

	29	09	56	23.5?	39.17	N	27.65	E	10	G		0.7	4	TURKEY
	29	10	28	26.5?	51.42	N	16.20	E	10	G		1.1	5	POLAND
	29	10	37	49.6*	17.912	S	168.440	E	139	*	4.7	1.5	44	VANUATU ISLANDS
	29	10	44	26.8%	37.651	N	15.742	E	10	G		0.8	6	SICILY
	29	10	45	45.9%	39.147	N	27.540	E	10	G		0.4	5	TURKEY
	29	11	04	30.1%	39.109	N	27.621	E	10	G		0.5	5	TURKEY
	29	11	23	16.5?	39.61	N	29.47	E	10	G		0.9	6	TURKEY
a	29	11	23	38.7	5.100	N	76.572	W	85	D	5.8	0.9	347	COLOMBIA. Some buildings domaged at Pereira. Felt (VI) at Cali. Felt at Bagota, Manizales, Medellin and Ibague. Also felt (II) at Panama City, Panama.
	29	11	48	32.0%	41.584	N	12.590	E	10	G		0.5	6	SOUTHERN ITALY
	29	11	51	43.6%	41.629	N	12.561	E	10	G		1.2	10	SOUTHERN ITALY
	29	12	07	07.7&	42.005	N	111.484	W	2				9	EASTERN IDAHO. <SLC-P>. ML 2.6 (SLC).
	29	12	28	39.7	41.647	N	12.632	E	10	G		0.5	10	SOUTHERN ITALY
	29	13	04	48.8*	51.191	N	15.952	E	10	G		0.4	5	POLAND
	29	13	35	24.4?	6.40	S	149.90	E	33	N	4.0	1.4	5	NEW BRITAIN REGION
	29	15	23	25.1?	7.47	S	123.39	E	291	?	4.6	1.1	6	BANDA SEA
	29	15	30	38.7	35.057	N	119.144	W	5	G		0.8	8	CENTRAL CALIFORNIA. ML 3.0 (NEIS).
	29	15	37	18.5?	44.58	N	7.39	E	10	G		0.0	4	NORTHERN ITALY. ML 2.3 (GEN).
	29	17	06	59.5	28.469	N	33.818	E	10	G		0.9	14	ARAB REPUBLIC OF EGYPT. ML 3.9 (JER). Felt (V) in the Mount Kathrin area.
	29	19	47	23.4	6.366	S	149.890	E	42		5.2 4.8	1.0	39	NEW BRITAIN REGION
	29	20	17	43.9	29.191	S	67.958	W	121		5.1	1.2	30	LA RIOJA PROVINCE, ARGENTINA
	29	20	25	44.3	51.482	N	6.581	E	10	G		1.1	19	GERMANY. ML 3.0 (LDG).
	29	20	35	42.3	2.516	S	140.145	E	33	N	5.2	1.1	38	NEAR N. COAST OF WEST IRIAN
	29	20	42	01.5*	6.543	S	149.833	E	45	?	5.0	0.9	13	NEW BRITAIN REGION
	29	20	49	06.6*	56.140	N	156.839	W	33	N		0.6	8	ALASKA PENINSULA. ML 4.1 (PMR).
	29	20	57	32.2?	37.29	N	25.19	W	10	G		0.4	5	AZORES ISLANDS
	29	21	07	50.4%	40.455	N	28.824	E	10	G		0.3	6	TURKEY
	29	21	11	36.9%	40.448	N	28.831	E	10	G		0.7	8	TURKEY
	29	21	16	43.6*	42.285	N	2.267	W	10	G		1.1	12	SPAIN. MG 3.2 (MDD). Felt (III) in the epicentral area.
	29	23	26	37.7*	35.883	N	141.472	E	46	*	5.0	0.9	17	NEAR EAST COAST OF HONSHU, JAPAN
	29	23	52	18.2*	35.082	S	70.150	W	146			0.8	19	CHILE-ARGENTINA BORDER REGION
	30	00	36	15.3?	8.18	S	121.07	E	263	?	3.9	1.0	6	FLORES ISLAND REGION
	30	00	37	36.9*	5.355	S	155.387	E	33	N	4.2	1.3	5	SOLOMON ISLANDS. Felt (III) at Panguna, Bougainville.
	30	00	38	03.3%	32.184	S	68.831	W	10	G		0.4	5	MENDOZA PROVINCE, ARGENTINA
	30	00	51	28.3?	42.66	N	12.93	E	10	G		0.2	4	CENTRAL ITALY
	30	01	31	04.7*	59.959	S	27.185	W	33	N	5.4	0.9	24	SOUTH SANDWICH ISLANDS REGION
	30	02	52	41.2%	15.959	N	61.124	W	10	G		0.3	5	LEEWARD ISLANDS. ML 2.3 (FDF).
	30	03	09	43.4	24.101	N	94.585	E	94	D	4.9	1.1	45	BURMA-INDIA BORDER REGION
	30	03	40	57.0*	28.867	S	70.577	W	96	*		1.5	19	CENTRAL CHILE
	30	04	29	06.0*	51.493	N	175.322	W	33	N	4.6	1.2	27	ANDREANOF ISLANDS, ALEUTIAN IS.
	30	05	47	54.3?	25.47	S	179.26	E	602	?	4.6	1.1	22	SOUTH OF FIJI ISLANDS
	30	05	52	50.0%	17.102	N	61.430	W	33	N		0.4	8	LEEWARD ISLANDS. ML 2.9 (FDF).
	30	06	29	51.4?	43.18	N	15.13	E	10	G		0.2	5	ADRIATIC SEA. ML 2.9 (KBA).
	30	07	29	26.1?	39.21	N	9.73	W	10	G		0.5	5	PORTUGAL. MG 3.0 (MDD).
	30	07	57	09.2%	42.072	N	19.003	E	10	G		0.4	6	YUGOSLAVIA. MD 2.3 (TTG).
a	30	08	13	29.7	22.773	N	99.844	E	15	D	5.6 6.0	1.1	246	BURMA-CHINA BORDER REGION. Several people injured and substantial additional damage in southwestern Yunnan Province, China. Felt at Kunming, China.
	30	08	23	27.6*	36.240	N	142.065	E	10	G	4.6	0.7	8	OFF EAST COAST OF HONSHU, JAPAN
a	30	08	44	42.3*	16.690	S	177.172	W	33	N	5.1	1.1	24	FIJI ISLANDS REGION
a	30	08	55	30.6&	61.348	N	152.270	W	144		5.5		361	SOUTHERN ALASKA. <AGS-P>. Felt (V) at Anchorage, Homer and Whittier; (IV) at Boswell Bay, Chinega Bay, Eagle River, Elmendorf AFB, Kenai, Nikiski, Ninilchik, Palmer, Sterling, Talkeetna, Trapper Creek, Tyonek, Valdez and Willow; (III) at Anchor Point, Chugiok, Kasilof, Moose Pass and Skwentna.
	30	09	32	33.3*	17.498	N	61.904	W	33	N		0.8	7	LEEWARD ISLANDS. ML 3.1 (FDF).
	30	09	36	02.6*	10.804	S	161.928	E	43	*	4.7	0.8	12	SOLOMON ISLANDS
	30	10	12	20.6?	41.14	N	28.45	E	10	G		0.7	4	TURKEY
	30	10	42	09.9?	39.53	N	29.53	E	10	G		1.4	4	TURKEY
	30	11	22	53.3&	61.711	N	151.511	W	94				25	SOUTHERN ALASKA. <AGS-P>.
	30	12	34	48.2%	60.501	N	5.542	E	0	G		1.2	7	SOUTHERN NORWAY. MD 2.2 (BER). Probable explosion.
	30	12	48	32.1?	33.11	S	71.94	W	8			0.5	9	NEAR COAST OF CENTRAL CHILE
	30	12	57	00.7?	39.51	N	29.54	E	10	G		1.5	5	TURKEY
	30	13	01	27.5%	17.482	N	61.908	W	33	N		0.3	6	LEEWARD ISLANDS. ML 2.8 (FDF).
	30	13	52	27.5?	58.81	N	6.11	E	10	G		0.3	5	SOUTHERN NORWAY. MD 2.4 (BER).
	30	14	01	46.0*	10.210	N	85.901	W	50	*	4.5 3.7	1.3	46	COSTA RICA. MD 4.7 (HDC). Felt.
	30	14	29	29.4?	10.06	S	127.97	E	183	?	4.1	0.4	7	TIMOR SEA
	30	14	58	45.0%	60.695	N	5.589	E	0	G		0.5	7	SOUTHERN NORWAY. MD 2.4 (BER). Probable explosion.
	30	15	48	05.5	19.409	N	120.029	E	13		5.1	1.4	62	PHILIPPINE ISLANDS REGION
	30	16	21	59.2?	39.11	N	28.95	E	10	G		0.6	6	TURKEY
	30	17	54	57.9	22.244	S	138.836	W	0	G	5.5	1.1	147	TUAMOTU ARCHIPELAGO REGION
	30	18	29	34.1	40.049	N	24.013	E	25			1.1	14	AEGEAN SEA
	30	19	07	00.3*	20.809	S	68.573	E	10	G	5.0	0.9	24	MID-INDIAN RISE
	30	19	37	47.1?	7.66	S	122.72	E	311	?		0.7	9	FLORES SEA
	30	19	49	20.1	19.341	N	120.157	E	33	N	4.5	0.9	22	PHILIPPINE ISLANDS REGION
	30	20	15	38.2&	36.297	N	120.483	W	8				27	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	30	20	34	15.6	44.607	N	7.243	E	10	G		0.3	14	NORTHERN ITALY. ML 2.7 (GEN), 2.4 (LDG).
	30	21	19	28.0%	40.123	N	29.318	E	10	G		0.7	8	TURKEY
	30	21	32	55.4?	40.36	N	24.07	E	10	G		0.8	6	AEGEAN SEA
	30	22	39	22.6%	40.457	N	27.836	E	10	G		0.5	8	TURKEY
	30	23	51	18.1*	42.298	N	19.839	E	10	G		0.2	5	YUGOSLAVIA. MD 2.4 (TTG).

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

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01 22 31 09.33  57.293S  25.135W  33km
   5.9mb ( 23 obs.)  6.1Msz ( 21 obs.)
   SOUTH SANDWICH ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 24C  M.W.: 10S, 22C
   Centroid Location:
   Origin Time        22:31:16.0 0.2
   Lat 57.12S 0.02 Lon  24.52W 0.03
   Dep  15.0 FIX Half-duration  4.6
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  2.71  Plg=61  Azm=230
     N        0.12       5      329
     P       -2.82      28       62
   Best Double Couple:Mo=2.8*10**18
    NP1:Strike=165 Dip=18 Slip= 107
    NP2:        328     73       85

02 00 19 17.81  56.810S 147.429E  10km
   5.5mb (  8 obs.)  5.7Msz (  3 obs.)
   WEST OF MACQUARIE ISLAND
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 32C
   Centroid Location:
   Origin Time        00:19:26.5 0.5
   Lat 56.52S 0.05 Lon 147.30E 0.07
   Dep  15.0 FIX Half-duration  3.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  5.17  Plg= 0  Azm=216
     N       -0.87     90      180
     P       -4.30      0      126
   Best Double Couple:Mo=4.7*10**17
    NP1:Strike=261 Dip=90 Slip= 180
    NP2:        351     90        0

03 05 25 39.69  13.608N 120.922E 135km
   5.1mb ( 30 obs.)
   MINDORO, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 20C
   Centroid Location:
   Origin Time        05:25:38.4 1.6
   Lat 13.31N 0.13 Lon 120.42E 0.19
   Dep 140.8 4.3 Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  7.18  Plg=83  Azm=105
     N       -0.51      5      328
     P       -6.68      5      237
   Best Double Couple:Mo=6.9*10**16
    NP1:Strike=321 Dip=40 Slip=  82
    NP2:        152     50       97

03 14 47 10.78  13.881N  90.450W  69km
   5.6mb ( 70 obs.)
   NEAR COAST OF GUATEMALA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 38C  M.W.: 11S, 24C
   Centroid Location:
   Origin Time        14:47:15.4 0.2
   Lat 13.84N 0.01 Lon  90.61W 0.01
   Dep  53.6 1.1 Half-duration  7.0
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  8.99  Plg=37  Azm= 38
     N        0.07      6      133
     P       -9.06     53      230
   Best Double Couple:Mo=9.0*10**18
    NP1:Strike= 96 Dip=10 Slip=-127
    NP2:        313     82      -84

03 17 15 52.60  60.796S  55.973W  10km
   5.3mb (  3 obs.)
   SOUTH SHETLAND ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 19C
   Centroid Location:
   Origin Time        17:15:52.1 0.9
   Lat 60.79S  FIX;Lon  56.04W  FIX
   Dep  15.0 FIX Half-duration  3.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  8.94  Plg=50  Azm=301
     N        0.62     12      196
     P       -9.56     37       96
   Best Double Couple:Mo=9.3*10**17
    NP1:Strike=135 Dip=14 Slip=  29
    NP2:         17     83      102

03 19 42 18.13  19.080N  67.256W  33km
   5.4mb ( 64 obs.)  5.7Msz ( 17 obs.)
   MONA PASSAGE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 27C
   Centroid Location:
   Origin Time        19:42:22.1 0.6
   Lat 19.04N 0.07 Lon  67.58W 0.06
   Dep  15.0 FIX Half-duration  3.7
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.20  Plg=49  Azm=242
     N        0.19      7      144
     P       -1.40     40       48
   Best Double Couple:Mo=1.3*10**18
    NP1:Strike= 86 Dip= 8 Slip=  32
    NP2:        324     85       97

04 02 43 11.35  13.836N  90.645W  68km
   5.2mb ( 32 obs.)
   NEAR COAST OF GUATEMALA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 23C
   Centroid Location:
   Origin Time        02:43: 9.3 0.7
   Lat 13.65N 0.06 Lon  90.90W 0.07
   Dep  44.8 5.4 Half-duration  2.5
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.15  Plg=34  Azm= 60
     N       -1.59     55      231
     P       -2.56      4      327
   Best Double Couple:Mo=3.4*10**17
    NP1:Strike= 98 Dip=63 Slip= 157
    NP2:        199     69       29

04 02 55 09.72  55.307S  29.311W  33km
   5.8mb (  7 obs.)  5.4Msz (  2 obs.)
   SOUTH SANDWICH ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 20C
   Centroid Location:
   Origin Time        02:55:17.0 0.5
   Lat 54.98S 0.12 Lon  29.24W 0.13
   Dep  33.6 7.0 Half-duration  2.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.25  Plg=15  Azm= 83
     N        0.66     40      185
     P       -2.91     46      337
   Best Double Couple:Mo=2.6*10**17
    NP1:Strike=132 Dip=46 Slip=-153
    NP2:         22     71      -47

05 02 14 30.30  34.354N  91.880E   8km
   5.9mb ( 62 obs.)  6.3Msz (  6 obs.)
   QINGHAI PROVINCE, CHINA
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=137 Dip=62 Slip=  90
    NP2:        317     28       90
   Principal Axes:
     T                Plg=73  Azm= 47
     P                    17      227
   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.  M
    Energy        8.2±2.1*10**12 Nm
   MOMENT TENSOR SOLUTION
   Dep  4            No. of sta:  5
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.89  Plg=83  Azm=299
     N        0.59      7      143
     P       -2.48      3       53
   Best Double Couple:Mo=2.2*10**18
    NP1:Strike=136 Dip=43 Slip=  80
    NP2:        329     48       99
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 29C  M.W.: 11S, 23C
   Centroid Location:
   Origin Time        02:14:40.1 0.2
   Lat 34.17N 0.03 Lon  91.70E 0.03
   Dep  15.0 FIX Half-duration  5.0
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  2.63  Plg=23  Azm=117
     N       -0.15     65      270
     P       -2.48     10       22
   Best Double Couple:Mo=2.6*10**18
    NP1:Strike=158 Dip=67 Slip= 171
    NP2:        251     81       24

05 12 15 51.43  21.990S 170.139E  42km
   5.5mb ( 22 obs.)  5.8Msz ( 22 obs.)
   LOYALTY ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 34C
   Centroid Location:
   Origin Time        12:15:58.5 0.6
   Lat 21.82S 0.05 Lon 169.78E 0.03
   Dep  34.3 2.2 Half-duration  4.5
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.88  Plg=76  Azm= 64
     N        0.20      4      319
     P       -2.08     13      228
   Best Double Couple:Mo=2.0*10**18
    NP1:Strike=313 Dip=32 Slip=  83
    NP2:        141     59       94

05 13 39 20.98   7.383N 126.710E  80km
   5.2mb ( 18 obs.)
   MINDANAO, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 17C
   Centroid Location:
   Origin Time        13:39:20.1 1.4
   Lat  7.37N  FIX;Lon 126.75E  FIX
   Dep  73.612.2 Half-duration  1.9
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.38  Plg=69  Azm=299
     N        0.28     11      179
     P       -1.67     18       86
   Best Double Couple:Mo=1.5*10**17
    NP1:Strike=159 Dip=29 Slip=  67
    NP2:          5     64      102

06 04 34 39.98  22.010S 170.103E  37km
   5.7mb ( 14 obs.)  5.3Msz ( 11 obs.)
   LOYALTY ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 26C
   Centroid Location:
   Origin Time        04:34:50.2 0.9
   Lat 21.69S 0.09 Lon 169.69E 0.04
   Dep  36.9 2.7 Half-duration  2.6
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.21  Plg=71  Azm=347
     N       -0.16     14      126
     P       -4.05     12      219
   Best Double Couple:Mo=4.1*10**17
    NP1:Strike=327 Dip=35 Slip= 115
    NP2:        117     58       73

06 13 03 19.34  22.789N  99.611E  18km
   6.1mb ( 72 obs.)  7.3Msz ( 12 obs.)
   BURMA-CHINA BORDER REGION
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=314 Dip=88 Slip= 171
    NP2:         44     81        2
   Principal Axes:
     T                Plg= 8  Azm=269
     P                     5      359
   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.
   RADIATED ENERGY
    No. of sta:   5  Focal mech.  C
    Energy        3.1±1.0*10**15 Nm
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   MOMENT TENSOR SOLUTION
   Dep  15          No. of sta:  7
   Principal Axes:
     Scale 10**20 Nm
     T  Val=  4.80  Plg=22  Azm=266
     N       -0.58      61      129
     P       -4.23      18        3
   Best Double Couple:Mo=4.5*10**20
    NP1:Strike= 46 Dip=62 Slip=   3
    NP2:       314     87      152
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 31C  M.W.: 11S, 31C
   Centroid Location:
   Origin Time       13:03:31.2 0.2
   Lat 23.00N 0.01 Lon  99.68E 0.02
   Dep  15.0 FIX Half-duration 12.0
   Principal Axes:
     Scale 10**19 Nm
     T  Val=  3.68  Plg=13  Azm=289
     N       -0.05      77       90
     P       -3.64       4      198
   Best Double Couple:Mo=3.7*10**19
    NP1:Strike=333 Dip=78 Slip= 174
    NP2:        64     84       12

07 02 39 56.20  23.408N  99.495E  10km
   4.9mb ( 28 obs.)
   BURMA-CHINA BORDER REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  5S,  9C
   Centroid Location:
   Origin Time       02:40: 3.1 1.7
   Lat 23.38N  FIX;Lon  99.42E  FIX
   Dep  15.0 FIX Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  8.98  Plg=51  Azm=333
     N       -1.16      39      156
     P       -7.81       2       65
   Best Double Couple:Mo=8.4*10**16
    NP1:Strike=122 Dip=55 Slip=  40
    NP2:         6     58      137

07 03 24 28.92  26.534N 126.420E 105km
   5.7mb ( 69 obs.)
   RYUKYU ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=220 Dip=70 Slip=  90
    NP2:        40     20       90
   Principal Axes:
     T                Plg=65  Azm=130
     P                   25      310
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting. The preferred fault
     plane is NP2.
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 19C
   Centroid Location:
   Origin Time       03:24:26.3 1.4
   Lat 25.69N 0.13 Lon 126.09E 0.06
   Dep 113.7 3.7 Half-duration  3.6
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  8.12  Plg=55  Azm=139
     N        1.89       1      230
     P      -10.01      35      321
   Best Double Couple:Mo=9.1*10**17
    NP1:Strike= 55 Dip=10 Slip=  95
    NP2:       230     80       89

07 03 50 00.80  22.239S 175.018E  22km
   5.7mb ( 28 obs.)  6.7Msz ( 18 obs.)
   SOUTH OF FIJI ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 37C  M.W.:  7S, 20C
   Centroid Location:
   Origin Time       03:50: 7.7 0.2
   Lat 22.15S 0.02 Lon 174.84E 0.03
   Dep  15.3 1.5 Half-duration  8.6
   Principal Axes:
     Scale 10**19 Nm
     T  Val=  1.81  Plg=44  Azm= 71
     N       -0.06      26      314
     P       -1.76      35      203
   Best Double Couple:Mo=1.8*10**19
    NP1:Strike=235 Dip=26 Slip=  10
    NP2:       136     85      116

07 07 39 29.12  11.422N 122.073E  27km
   5.1mb ( 14 obs.)  5.0Msz (  4 obs.)
   PANAY, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 12C
   Centroid Location:
   Origin Time       07:39:22.0 1.9
   Lat 11.38N  FIX;Lon 122.13E  FIX
   Dep  15.0 FIX Half-duration  2.6
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.75  Plg=41  Azm=206
     N       -0.74       4      112
     P       -4.01      49       17
   Best Double Couple:Mo=4.4*10**17
    NP1:Strike=338 Dip= 6 Slip= -44
    NP2:       112     86      -94

07 17 08 07.19  21.650S 179.082W 589km
   5.2mb ( 25 obs.)
   FIJI ISLANDS REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 17C
   Centroid Location:
   Origin Time       17:08:17.3 1.8
   Lat 21.26S 0.19 Lon 179.42W 0.12
   Dep 606.8 7.6 Half-duration  1.7
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  9.33  Plg=12  Azm=197
     N        1.34      36       98
     P      -10.67      51      303
   Best Double Couple:Mo=1.0*10**17
    NP1:Strike=324 Dip=46 Slip= -34
    NP2:        79     67     -130

07 17 24 57.22  29.05 S 177.95 W  56km
   5.0mb (  5 obs.)  4.7Msz (  1 obs.)
   KERMADEC ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 19C
   Centroid Location:
   Origin Time       17:25: 6.3 2.0
   Lat 29.01S 0.20 Lon 178.00W 0.11
   Dep  63.1 7.4 Half-duration  1.4
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  5.10  Plg=74  Azm=278
     N        0.44       3       19
     P       -5.55      16      110
   Best Double Couple:Mo=5.3*10**16
    NP1:Strike=204 Dip=29 Slip=  96
    NP2:        17     61       86

07 23 15 41.75   1.533N 126.357E  66km
   6.2mb ( 72 obs.)
   MOLUCCA PASSAGE
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=278 Dip=70 Slip= -87
    NP2:        89     20      -98
   Principal Axes:
     T                Plg=25  Azm=  6
     P                   65      193
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to normal
     faulting. The preferred fault
     plane is NP1.
   RADIATED ENERGY
    No. of sta:   4  Focal mech.  C
    Energy        1.5±0.4*10**14 Nm
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 26C
   Centroid Location:
   Origin Time       23:15:48.6 0.6
   Lat  2.47N 0.04 Lon 126.78E 0.04
   Dep  56.3 2.6 Half-duration  3.6
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  8.28  Plg= 9  Azm=354
     N        2.41      11      262
     P      -10.69      76      123
   Best Double Couple:Mo=9.5*10**17
    NP1:Strike= 97 Dip=37 Slip= -72
    NP2:       255     55     -103

09 23 29 55.15  44.333N 148.292E  36km
   5.7mb ( 64 obs.)  4.5Msz (  4 obs.)
   KURIL ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 14C
   Centroid Location:
   Origin Time       23:30: 0.9 1.6
   Lat 44.88N  FIX;Lon 147.41E  FIX
   Dep  15.0 FIX Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  9.95  Plg=40  Azm=  4
     N       -3.50      20      256
     P       -6.44      43      146
   Best Double Couple:Mo=8.2*10**16
    NP1:Strike=162 Dip=20 Slip=  -4
    NP2:       256     89     -110

10 17 11 30.64  10.244S  66.424E  10km
   5.3mb ( 43 obs.)  4.8Msz (  5 obs.)
   MID-INDIAN RISE
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 14C
   Centroid Location:
   Origin Time       17:11:38.0 4.6
   Lat  9.98S 0.34 Lon  65.95E 0.20
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.25  Plg= 0  Azm=224
     N       -0.91       0      134
     P       -5.35      90      180
   Best Double Couple:Mo=5.8*10**16
    NP1:Strike=314 Dip=45 Slip= -90
    NP2:       134     45      -90

11 05 48 57.39   2.365S 138.844E  25km
   5.3mb ( 16 obs.)  5.3Msz ( 11 obs.)
   WEST IRIAN
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 29C
   Centroid Location:
   Origin Time       05:49: 3.4 0.4
   Lat  2.14S 0.07 Lon 138.47E 0.04
   Dep  15.0 FIX Half-duration  2.5
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.97  Plg= 0  Azm=121
     N       -0.89      90      180
     P       -2.09       0       31
   Best Double Couple.Mo=2.5*10**17
    NP1:Strike=166 Dip=90 Slip= 180
    NP2:       256     90        0

12 03 34 48.65  18.068N  76.597W  16km
   5.4mb ( 57 obs.)  4.7Msz (  3 obs.)
   JAMAICA REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 19C
   Centroid Location:
   Origin Time       03:34:51.4 0.8
   Lat 18.15N 0.07 Lon  76.64W 0.12
   Dep  20.0 4.7 Half-duration  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.42  Plg=63  Azm=212
     N       -0.51       3      307
     P       -1.91      27       38
   Best Double Couple:Mo=2.2*10**17
    NP1:Strike=135 Dip=18 Slip=  98
    NP2:       306     72       87

13 02 37 15.25   0.239S 122.949E 104km
   5.5mb ( 39 obs.)
   MINAHASSA PENINSULA
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 27C
   Centroid Location:
   Origin Time       02:37:16.3 0.9
   Lat  0.15S 0.07 Lon 123.31E 0.07
   Dep 107.5 2.2 Half-duration  2.6
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.40  Plg=55  Azm= 80
     N        0.83      35      258
     P       -4.24       1      348
   Best Double Couple:Mo=3.8*10**17
    NP1:Strike=108 Dip=54 Slip= 135
    NP2:       229     55       46

13 06 26 57.37  51.384N 178.336W  52km
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   5.1mb ( 47 obs.)
   ANDREANOF ISLANDS, ALEUTIAN IS.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 12C
   Centroid Location:
   Origin Time        06:26:50.0 1.5
   Lat 51.25N 0.14 Lon 177.97W 0.16
   Dep  53.910.7 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  5.32  Plg=62  Azm=330
     N        0.49       8       76
     P       -5.81      27      171
   Best Double Couple:Mo=5.6*10**16
    NP1:Strike=281 Dip=20 Slip= 116
    NP2:        74     72       81

13 23 40 12.09  34.827S 108.599W  10km
   5.3mb (  6 obs.)
   EASTER ISLAND CORDILLERA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 17C
   Centroid Location:
   Origin Time        23:40:21.0 0.5
   Lat 35.12S 0.07 Lon 108.50W 0.08
   Dep  15.0 FIX Half-duration  1.6
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.09  Plg= 9  Azm= 81
     N       -0.24       0      351
     P       -0.85      81      258
   Best Double Couple:Mo=1.0*10**17
    NP1:Strike=172 Dip=36 Slip= -89
    NP2:       351     54      -91

14 02 15 39.13   3.527S 150.120E  33km
   5.9mb ( 18 obs.)  6.6Msz ( 20 obs.)
   NEW IRELAND REGION
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=  9 Dip=85 Slip= 110
    NP2:       112     21       14
   Principal Axes:
     T                Plg=46  Azm=300
     P                  37       81
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting with a moderate
     strike-slip component. The
     preferred fault plane is not
     determined.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 16S, 46C  M.W.: 11S, 27C
   Centroid Location:
   Origin Time        02:15:47.1 0.1
   Lat  3.18S 0.01 Lon 150.73E 0.01
   Dep  15.0 BDY Half-duration  8.2
   Principal Axes:
     Scale 10**19 Nm
     T  Val=  1.34  Plg=17  Azm=166
     N       -0.13      72       11
     P       -1.21       7      258
   Best Double Couple:Mo=1.3*10**19
    NP1:Strike=303 Dip=73 Slip=   7
    NP2:       211     83      163

14 10 48 20.07  52.338N 171.192W  33km
   5.0mb ( 43 obs.)  4.6Msz (  2 obs.)
   FOX ISLANDS, ALEUTIAN ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 23C
   Centroid Location:
   Origin Time        10:48:26.5 0.7
   Lat 52.69N 0.12 Lon 171.30W 0.13
   Dep  15.0 FIX Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  7.61  Plg=19  Azm= 73
     N        1.41      35      329
     P       -9.02      49      186
   Best Double Couple:Mo=8.3*10**16
    NP1:Strike=204 Dip=40 Slip= -28
    NP2:       316     72     -127

14 16 55 34.83  32.529S  71.587W  53km
   5.3mb ( 18 obs.)  4.8Msz (  2 obs.)
   NEAR COAST OF CENTRAL CHILE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 23C
   Centroid Location:
   Origin Time        16:55:38.7 0.6
   Lat 32.76S 0.07 Lon  72.21W 0.10
   Dep  50.6 5.5 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.36  Plg=72  Azm= 62
     N       -1.23       3      161
     P       -5.13      18      252
   Best Double Couple:Mo=5.8*10**16
    NP1:Strike=347 Dip=27 Slip=  96
    NP2:       160     63       87

15 08 41 42.35  52.109N 171.103W  23km
   5.9mb ( 71 obs.)  5.4Msz ( 19 obs.)
   FOX ISLANDS, ALEUTIAN ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike= 65 Dip=65 Slip=  90
    NP2:       245     25       90
   Principal Axes:
     T                Plg=70  Azm=335
     P                  20      155
   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        8.1±1.6*10**12 Nm
   MOMENT TENSOR SOLUTION
   Dep  22            No. of sta: 14
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.01  Plg=44  Azm= 18
     N        0.17      41      231
     P       -1.18      17      126
   Best Double Couple:Mo=1.1*10**18
    NP1:Strike=173 Dip=46 Slip=  23
    NP2:        66     74      133
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 31C
   Centroid Location:
   Origin Time        08:41:47.7 0.3
   Lat 52.24N 0.03 Lon 171.00W 0.05
   Dep  35.0 BDY Half-duration  3.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  8.14  Plg=70  Azm=344
     N        0.81       5      240
     P       -8.95      20      148
   Best Double Couple:Mo=8.6*10**17
    NP1:Strike=230 Dip=26 Slip=  78
    NP2:        62     65       96

15 10 28 14.38  23.145N  99.685E  18km
   5.2mb ( 44 obs.)  4.8Msz (  2 obs.)
   BURMA-CHINA BORDER REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  6S, 12C
   Centroid Location:
   Origin Time        10:28:13.2 1.5
   Lat 22.80N 0.11 Lon  99.23E 0.28
   Dep  15.0 FIX Half-duration  1.8
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  9.34  Plg=14  Azm=290
     N        1.83      70       64
     P      -11.17      14      196
   Best Double Couple:Mo=1.0*10**17
    NP1:Strike=333 Dip=70 Slip= 180
    NP2:        63     90       20

15 22 45 05.63  12.388N 141.983E  51km
   5.4mb ( 10 obs.)  4.6Msz (  5 obs.)
   SOUTH OF MARIANA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 25C
   Centroid Location:
   Origin Time        22:45: 6.9 0.5
   Lat 12.51N 0.05 Lon 141.69E 0.09
   Dep  34.2 5.5 Half-duration  1.7
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 10.10  Plg=19  Azm=343
     N       -2.40      24      244
     P       -7.70      58      108
   Best Double Couple:Mo=8.9*10**16
    NP1:Strike=107 Dip=33 Slip= -42
    NP2:       234     69     -116

16 05 10 34.25  31.519S 179.745W 205km
   5.3mb ( 18 obs.)
   KERMADEC ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 12C
   Centroid Location:
   Origin Time        05:10:42.6 1.4
   Lat 31.25S 0.12 Lon 179.70W 0.10
   Dep 247.2 3.2 Half-duration  1.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.75  Plg= 8  Azm=102
     N        0.45      20      195
     P       -2.20      68      351
   Best Double Couple:Mo=2.0*10**17
    NP1:Strike=170 Dip=41 Slip=-121
    NP2         29     56      -66

16 05 53 20.29  21.768S 179.426W 582km
   5.8mb ( 42 obs.)
   FIJI ISLANDS REGION
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=205 Dip=88 Slip=  65
    NP2:       111     25      175
   Principal Axes:
     T                Plg=42  Azm= 91
     P                  38      317
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting with a moderate
     strike-slip component. The
     preferred fault plane is not
     determined.
   RADIATED ENERGY
    No. of sta:   3  Focal mech.  F
    Energy        1.2±0.5*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep 596            No. of sta:  5
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  6.60  Plg=39  Azm= 99
     N       -0.13      38      229
     P       -6.47      28      344
   Best Double Couple:Mo=6.5*10**17
    NP1:Strike=126 Dip=39 Slip= 170
    NP2:       224     84       51
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 23C
   Centroid Location:
   Origin Time        05:53:29.2 0.7
   Lat 21.66S 0.07 Lon 179.59W 0.05
   Dep 622.9 3.8 Half-duration  2.9
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  6.21  Plg=46  Azm=112
     N       -0.99      21      226
     P       -5.22      36      332
   Best Double Couple:Mo=5.7*10**17
    NP1:Strike=121 Dip=22 Slip= 166
    NP2:       224     85       69

16 10 49 48.85   2.128N 125.633E  33km
   5.4mb ( 30 obs.)  4.7Msz (  5 obs.)
   TALAUD ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 17C
   Centroid Location:
   Origin Time        10:49:43.5 1.3
   Lat  2.11N  FIX;Lon 125.81E  FIX
   Dep  15.0 FIX Half-duration  1.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.79  Plg=38  Azm= 56
     N        0.06      32      297
     P       -1.86      36      180
   Best Double Couple:Mo=1.8*10**17
    NP1:Strike=210 Dip=32 Slip=   2
    NP2:       118     89      122

16 20 15 54.14   3.439S  68.277E  10km
   5.2mb ( 29 obs.)  5.1Msz (  6 obs.)
   CHAGOS ARCHIPELAGO REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 21C
   Centroid Location:
   Origin Time        20:15:56.8 1.6
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Lat 3.92S 0.12 Lon 68.32E 0.08
Dep 20.6 3.7 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 10.31 Plg=21 Azm= 26
N -0.26 7 119
P -10.05 68 227
Best Double Couple:Mo=1.0*10**17
NP1:Strike=103 Dip=25 Slip=-107
NP2: 302 66 -82

17 00 59 50.18 55.572N 161.766E 33km
5.6mb (86 obs.) 4.5Msz (3 obs.)
NEAR EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 00:59:57.1 0.9
Lat 55.50N 0.06 Lon 162.22E 0.14
Dep 65.9 4.3 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.82 Plg=73 Azm= 37
N 0.83 15 246
P -8.65 8 154
Best Double Couple:Mo=8.2*10**16
NP1:Strike=227 Dip=39 Slip= 66
NP2: 77 55 109

17 06 55 46.06 12.399N 124.537E 19km
6.0mb (74 obs.) 6.6Msz (24 obs.)
SAMAR, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=354 Dip=89 Slip= 154
NP2: 84 64 1
Principal Axes:
T Plg=19 Azm=306
P 17 42
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. C
Energy 1.1±0.3*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 27C M.W.: 9S, 18C
Centroid Location:
Origin Time 06:55:50.2 0.2
Lat 12.58N 0.02 Lon 124.57E 0.02
Dep 15.0 FIX Half-duration 8.0
Principal Axes:
Scale 10**18 Nm
T Val= 10.22 Plg=21 Azm=349
N -1.63 50 231
P -8.59 32 93
Best Double Couple:Mo=9.4*10**18
NP1:Strike=128 Dip=51 Slip= -8
NP2: 223 84 -141

17 22 43 57.03 8.392N 126.495E 98km
5.3mb (28 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 22:43:51.2 1.1
Lat 7.41N 0.11 Lon 126.16E 0.10
Dep 111.8 4.4 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.67 Plg=49 Azm=283
N 0.17 10 181
P -1.84 40 82
Best Double Couple:Mo=1.8*10**17
NP1:Strike=115 Dip=11 Slip= 24
NP2: 2 85 100

18 19 38 54.62 6.125S 149.785E 61km
5.8mb (23 obs.) 6.4Msz (26 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=100 Dip=67 Slip= 141
NP2: 208 55 29
Principal Axes:
T Plg=43 Azm= 59
P 8 156

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 2.8±0.8*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 45 No. of sta: 10
Principal Axes:
Scale 10**18 Nm
T Val= 9.16 Plg=73 Azm= 54
N 0.58 17 235
P -9.75 0 145
Best Double Couple:Mo=9.5*10**18
NP1:Strike=218 Dip=47 Slip= 67
NP2: 71 48 113
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 42C M.W.: 9S, 22C
Centroid Location:
Origin Time 19:39: 5.6 0.1
Lat 6.13S 0.01 Lon 149.96E 0.02
Dep 39.6 0.8 Half-duration 7.3
Principal Axes:
Scale 10**18 Nm
T Val= 8.14 Plg=73 Azm=346
N 0.19 1 81
P -8.34 17 171
Best Double Couple:Mo=8.2*10**18
NP1:Strike=263 Dip=28 Slip= 93
NP2: 80 62 88

20 09 11 09.77 47.766S 99.723E 10km
5.6mb (17 obs.) 5.9Msz (13 obs.)
SOUTHEAST INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 09:11:20.1 0.4
Lat 47.71S 0.04 Lon 99.50E 0.06
Dep 15.0 FIX Half-duration 3.9
Principal Axes:
Scale 10**18 Nm
T Val= 1.37 Plg= 1 Azm=174
N 0.05 60 266
P -1.42 30 83
Best Double Couple:Mo=1.4*10**18
NP1:Strike=223 Dip=69 Slip=-159
NP2: 125 70 -23

20 15 19 19.95 5.171S 153.826E 91km
5.6mb (32 obs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 15:19:20.7 0.5
Lat 5.36S 0.05 Lon 153.63E 0.04
Dep 76.3 2.0 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.98 Plg=85 Azm= 82
N -0.09 5 274
P -2.89 1 183
Best Double Couple:Mo=2.9*10**17
NP1:Strike=268 Dip=44 Slip= 83
NP2: 99 46 97

20 21 01 05.94 35.281N 28.685E 10km
5.2mb (52 obs.) 4.9Msz (2 obs.)
EASTERN MEDITERRANEAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 21:01: 9.7 1.5
Lat 35.38N 0.11 Lon 28.86E 0.15
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.47 Plg=25 Azm=338
N 0.27 28 82
P -1.74 51 213
Best Double Couple:Mo=1.6*10**17
NP1:Strike= 24 Dip=32 Slip=-152
NP2: 270 76 -61

21 05 19 17.60 15.056N 59.614W 40km
4.9mb (7 obs.) 5.0Msz (1 obs.)
LEEWARD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 05:19:18.8 1.8
Lat 15.06N FIX;Lon 59.69W FIX
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.14 Plg=47 Azm=314
N -1.11 37 171
P -4.03 20 66
Best Double Couple:Mo=4.6*10**16
NP1:Strike=113 Dip=41 Slip= 25
NP2: 4 74 129

21 05 30 51.67 1.368S 15.094W 10km
4.9mb (10 obs.) 5.1Msz (2 obs.)
NORTH OF ASCENSION ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 05:31: 3.6 0.4
Lat 1.08S 0.05 Lon 14.84W 0.07
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.04 Plg= 4 Azm=207
N 0.47 82 82
P -2.51 6 298
Best Double Couple:Mo=2.3*10**17
NP1:Strike=342 Dip=82 Slip= -1
NP2: 72 89 -172

21 15 32 38.79 1.977N 126.897E 53km
5.5mb (25 obs.) 5.2Msz (8 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C
Centroid Location:
Origin Time 15:32:45.7 0.5
Lat 2.68N 0.08 Lon 127.05E 0.06
Dep 19.7 2.9 Half-duration 3.7
Principal Axes:
Scale 10**17 Nm
T Val= 10.10 Plg=55 Azm=201
N -3.82 21 324
P -6.28 27 66
Best Double Couple:Mo=8.2*10**17
NP1:Strike=195 Dip=26 Slip= 144
NP2: 318 75 68

21 16 55 52.55 37.938N 26.142W 11km
5.8mb (66 obs.) 5.3Msz (12 obs.)
AZORES ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 16:55:59.3 0.7
Lat 38.34N 0.06 Lon 26.27W 0.10
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 8.50 Plg=25 Azm=217
N -2.70 23 116
P -5.80 55 348
Best Double Couple:Mo=7.1*10**17
NP1:Strike=345 Dip=29 Slip= -37
NP2: 109 73 -114

21 21 40 12.22 46.171N 153.209E 44km
5.2mb (48 obs.) 4.7Msz (9 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 21:40:12.7 1.1
Lat 46.11N 0.08 Lon 153.47E 0.14
Dep 26.8 7.2 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 6.73 Plg=77 Azm= 42
N 2.10 13 218
P -8.83 1 308
Best Double Couple:Mo=7.8*10**16
NP1:Strike= 52 Dip=46 Slip= 109
NP2: 206 47 72

```
23 03 04 14.84  30.989N 141.578E  41km
   5.2mb ( 23 obs.)  5.2Msz (  7 obs.)
   SOUTH OF HONSHU, JAPAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 19C
   Centroid Location:
   Origin Time        03:04:16.2 0.8
   Lat 30.95N 0.10 Lon 141.64E 0.08
   Dep  15.0 FIX Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.21  Plg=62  Azm=229
     N        0.06       15       349
     P       -2.27       23        85
   Best Double Couple:Mo=2.2*10**17
    NP1:Strike=202 Dip=25 Slip= 126
    NP2:        343     70        74

23 09 27 07.44  19.766S 177.973W 595km
   5.6mb ( 43 obs.)
   FIJI ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 22C
   Centroid Location:
   Origin Time        09:27:15.3 0.9
   Lat 19.40S 0.11 Lon 178.05W 0.06
   Dep 595.7 3.5 Half-duration  2.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.61  Plg=47  Azm=162
     N        0.33        6        66
     P       -2.94       42       330
   Best Double Couple:Mo=2.8*10**17
    NP1:Strike=358 Dip= 7 Slip=  23
    NP2:        246     87        96

25 08 35 41.76  47.897S  99.455E  10km
   5.5mb ( 19 obs.)  6.2Msz ( 12 obs.)
   SOUTHEAST INDIAN RISE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 30C  M.W.:  9S, 22C
   Centroid Location:
   Origin Time        08:35:53.1 0.2
   Lat 47.89S 0.02 Lon  99.80E 0.03
   Dep  15.0 FIX Half-duration  5.0
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  3.08  Plg=14  Azm=353
     N       -0.39       71       217
     P       -2.69       13        86
   Best Double Couple:Mo=2.9*10**18
    NP1:Strike=129 Dip=71 Slip=   1
    NP2:         39     89       161

25 22 29 40.11  34.333N  91.930E  25km
   5.1mb ( 35 obs.)  5.6Msz (  1 obs.)
   QINGHAI PROVINCE, CHINA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 16C
   Centroid Location:
   Origin Time        22:29:44.1 0.6
   Lat 34.29N 0.09 Lon  91.77E 0.12
   Dep  15.0 FIX Half-duration  2.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.40  Plg=25  Azm=121
     N        0.33       59       339
     P       -2.73       16       219
   Best Double Couple:Mo=2.6*10**17
    NP1:Strike=262 Dip=60 Slip=   7
    NP2:        169     84       150

25 23 46 04.50  48.117N  71.183W  29km
   5.9mb ( 67 obs.)  5.8Msz ( 15 obs.)
   SOUTHERN QUEBEC
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=340 Dip=63 Slip=  90
    NP2:        160     27        90
   Principal Axes:
     T                Plg=72  Azm=250
     P                    18        70
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting. The preferred fault
     plane is not determined.
   RADIATED ENERGY
    No. of sta:   5  Focal mech.  C
    Energy        1.9±0.8*10**13 Nm

   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 25C
   Centroid Location:
   Origin Time        23:46: 3.1 0.7
   Lat 48.01N 0.07 Lon  71.16W 0.05
   Dep  27.5 3.6 Half-duration  3.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  7.83  Plg=60  Azm=183
     N       -1.90       26       332
     P       -5.93       14        68
   Best Double Couple:Mo=6.9*10**17
    NP1:Strike=189 Dip=39 Slip= 135
    NP2:        317     64        60

26 18 40 12.26   6.696N  77.535W   5km
   5.5mb ( 65 obs.)  5.1Msz (  4 obs.)
   NEAR WEST COAST OF COLOMBIA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 24C
   Centroid Location:
   Origin Time        18:40:23.6 0.7
   Lat  6.95N 0.08 Lon  77.89W 0.07
   Dep  21.4 3.6 Half-duration  1.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.36  Plg=20  Azm=201
     N        0.09       15       105
     P       -1.46       64       340
   Best Double Couple:Mo=1.4*10**17
    NP1:Strike=316 Dip=29 Slip= -56
    NP2:         98     67      -107

26 20 20 16.41   1.547N 126.534E  59km
   5.2mb ( 18 obs.)
   MOLUCCA PASSAGE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 21C
   Centroid Location:
   Origin Time        20:20:31.5 1.4
   Lat  2.66N 0.15 Lon 126.10E 0.12
   Dep  18.6 5.5 Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  8.18  Plg=71  Azm= 23
     N        0.99       18       195
     P       -9.18        3       286
   Best Double Couple:Mo=8.7*10**16
    NP1:Strike= 34 Dip=45 Slip= 116
    NP2:        179     50        66

26 20 47 17.05   5.198S 131.739E  48km
   5.4mb ( 18 obs.)  4.7Msz (  1 obs.)
   BANDA SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  6S, 13C
   Centroid Location:
   Origin Time        20:47:23.8 1.5
   Lat  5.12S  FIX;Lon 131.84E  FIX
   Dep  20.913.7 Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 10.00  Plg=60  Azm=204
     N        0.11       21       334
     P      -10.12       21        72
   Best Double Couple:Mo=1.0*10**17
    NP1:Strike=195 Dip=30 Slip= 135
    NP2:        326     69        68

27 00 36 19.09  50.801N 130.054W  10km
   5.1mb ( 37 obs.)  5.3Msz ( 11 obs.)
   VANCOUVER ISLAND REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 27C
   Centroid Location:
   Origin Time        00:36:26.1 0.4
   Lat 50.82N  FIX;Lon 129.94W  FIX
   Dep  15.0 FIX Half-duration  2.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.97  Plg=34  Azm=287
     N       -1.46       41        52
     P       -2.51       31       173
   Best Double Couple:Mo=3.2*10**17
    NP1:Strike=319 Dip=41 Slip= 178
    NP2:         51     89        49

27 04 17 56.24  22.749N  99.852E  16km
   5.0mb ( 37 obs.)  5.1Msz (  7 obs.)
   BURMA-CHINA BORDER REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 15C
   Centroid Location:
   Origin Time        04:17:58.5 0.8
   Lat 22.70N 0.11 Lon 100.17E 0.18
   Dep  15.0 FIX Half-duration  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.15  Plg=29  Azm=289
     N       -0.45       58       134
     P       -1.70       11        25
   Best Double Couple:Mo=1.9*10**17
    NP1:Strike= 71 Dip=61 Slip=  14
    NP2:        334     78       151

28 00 31 22.94  21.316S  68.408W 122km
   5.2mb ( 28 obs.)
   CHILE-BOLIVIA BORDER REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 10C
   Centroid Location:
   Origin Time        00:31:32.8 1.0
   Lat 20.36S 0.16 Lon  68.50W 0.10
   Dep 142.6 3.1 Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  9.16  Plg= 8  Azm= 88
     N        1.95       38       352
     P      -11.11       51       189
   Best Double Couple:Mo=1.0*10**17
    NP1:Strike=214 Dip=49 Slip= -36
    NP2:        329     63      -133

28 14 49 53.19   6.339S 149.917E  45km
   5.1mb (  8 obs.)  4.8Msz (  4 obs.)
   NEW BRITAIN REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 22C
   Centroid Location:
   Origin Time        14:50: 0.5 1.3
   Lat  6.50S 0.11 Lon 150.25E 0.11
   Dep  45.0 FIX Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.92  Plg= 6  Azm= 64
     N        0.15       79       301
     P       -2.07        9       155
   Best Double Couple:Mo=2.0*10**17
    NP1:Strike=199 Dip=79 Slip=  -2
    NP2:        290     88      -169

29 09 03 07.71   6.276S 149.774E  50km
   4.9mb ( 10 obs.)
   NEW BRITAIN REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 16C
   Centroid Location:
   Origin Time        09:03:15.1 1.0
   Lat  6.26S  FIX;Lon 149.76E  FIX
   Dep  49.0 FIX Half-duration  1.8
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 10.62  Plg=67  Azm=  6
     N        1.30        2       270
     P      -11.91       23       179
   Best Double Couple:Mo=1.1*10**17
    NP1:Strike=264 Dip=22 Slip=  84
    NP2:         91     68        93

29 11 23 38.71   5.100N  76.572W  85km
   5.8mb ( 74 obs.)
   COLOMBIA
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=215 Dip=58 Slip=   5
    NP2:        122     86       148
   Principal Axes:
     T                Plg=25  Azm= 74
     P                    19       173
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to strike-slip
     faulting with a large reverse
     component. The preferred fault
     plane is not determined.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 21C
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   Centroid Location:
   Origin Time        11:23:37.3 0.9
   Lat  4.72N 0.07 Lon  77.07W 0.14
   Dep  79.8 4.2 Half-duration  2.5
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.00  Plg=28  Azm= 76
     N        -0.28       51       304
     P        -3.72       24       180
   Best Double Couple:Mo=3.9*10**17
    NP1:Strike=220 Dip=51 Slip=   3
    NP2:        128      88       141

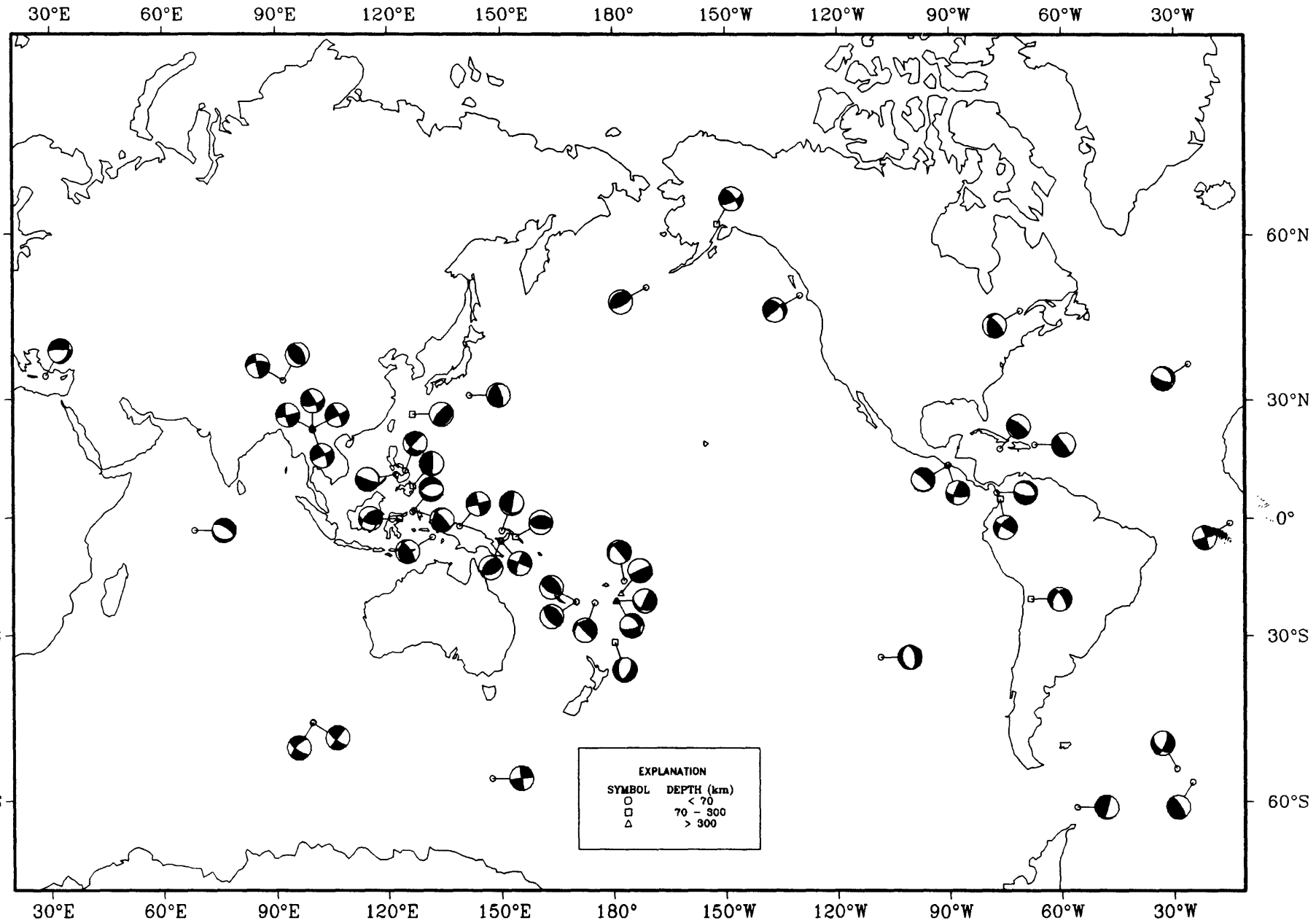
30 08 13 29.71  22.773N  99.844E  15km
   5.6mb ( 59 obs.)  6.0Msz ( 15 obs.)
   BURMA-CHINA BORDER REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  6S,  9C  M.W.:  5S, 11C
   Centroid Location:
   Origin Time        08:13:28.9 0.7
   Lat 22.15N 0.04 Lon  99.54E 0.05
   Dep  15.0 FIX Half-duration  3.7
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.46  Plg= 9  Azm=122
     N         0.05       75       247
     P        -1.52       12        31
   Best Double Couple:Mo=1.5*10**18
    NP1:Strike=167 Dip=75 Slip=-177
    NP2:         76      87       -15

30 08 44 42.35  16.690S 177.172W  33km
   5.1mb (  4 obs.)
   FIJI ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 16C
   Centroid Location:
   Origin Time        08:44:37.4 2.9
   Lat 16.64S 0.20 Lon 176.59W 0.21
   Dep  15.0 FIX Half-duration  2.9
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  7.43  Plg=37  Azm= 71
     N        -0.38       24       321
     P        -7.04       44       206
   Best Double Couple:Mo=7.2*10**17
    NP1:Strike=221 Dip=24 Slip=  -9
    NP2:        320      86      -114

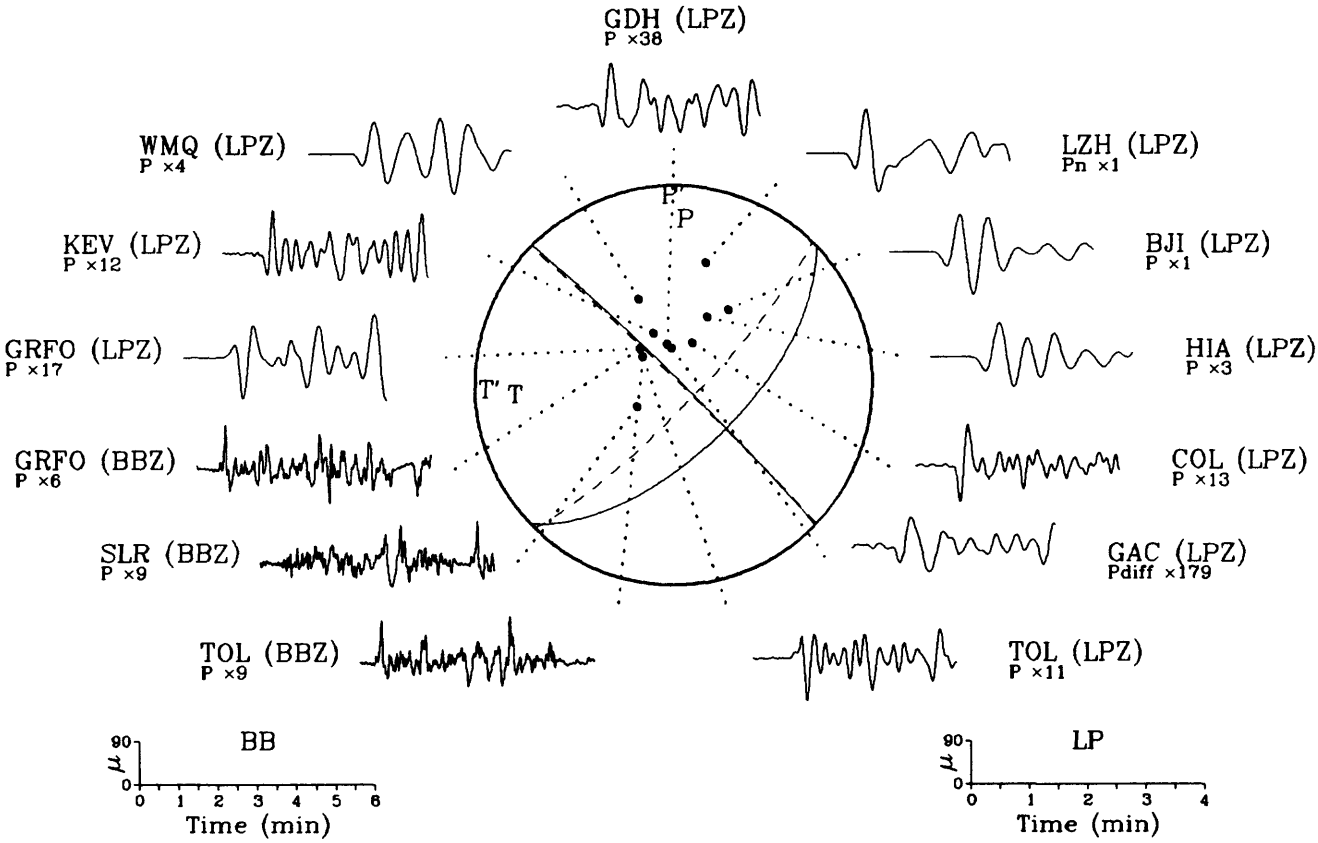
30 08 55 30.65  61.348N 152.270W 144km
   5.5mb ( 78 obs.)
   SOUTHERN ALASKA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 15C
   Centroid Location:
   Origin Time        08:55:32.7 1.1
   Lat 61.41N  FIX;Lon 152.57W  FIX
   Dep 143.1 5.2 Half-duration  2.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.32  Plg=34  Azm=284
     N         0.48       56        98
     P        -4.80        3       192
   Best Double Couple:Mo=4.6*10**17
    NP1:Strike=323 Dip=65 Slip= 157
    NP2:         63      69        27
```

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

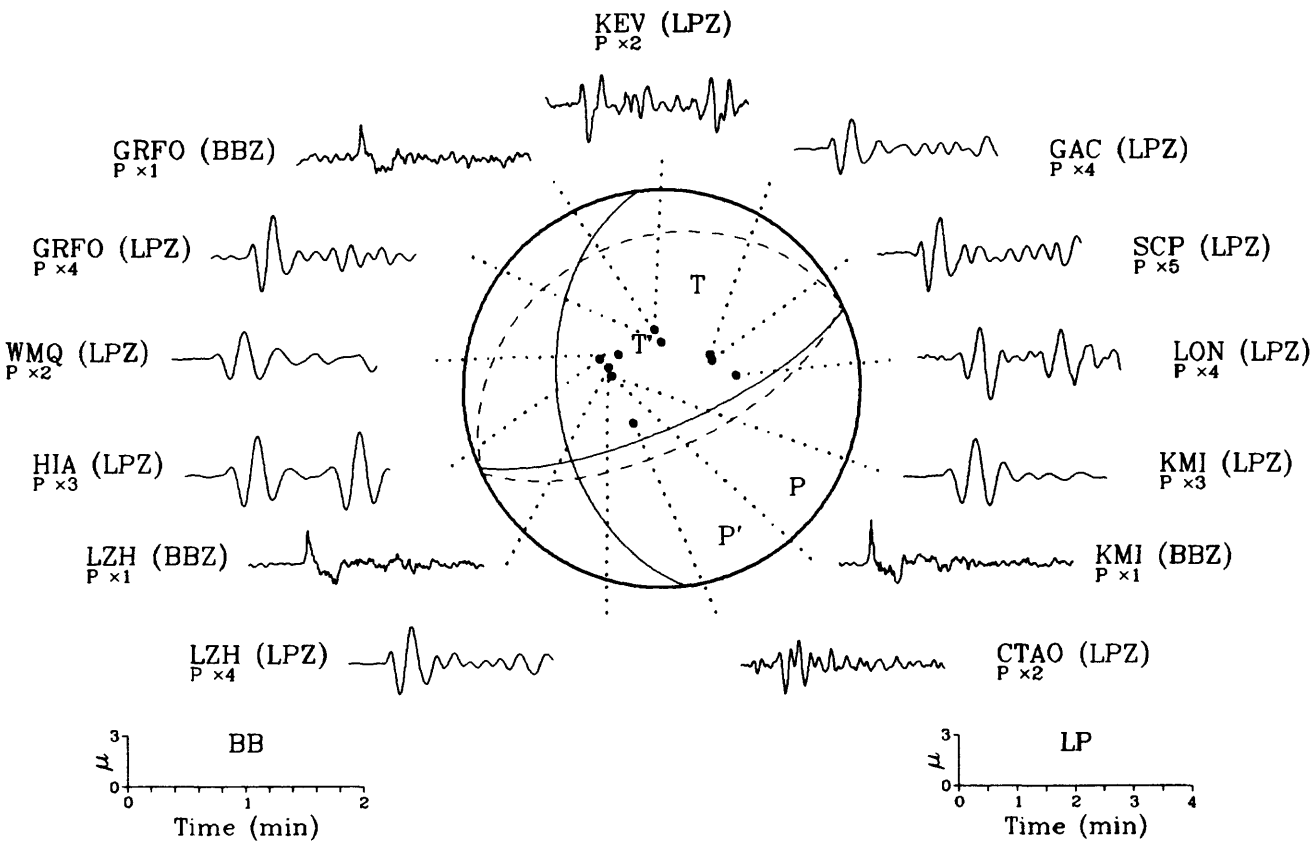
Earthquake Focal Mechanisms for November 1988



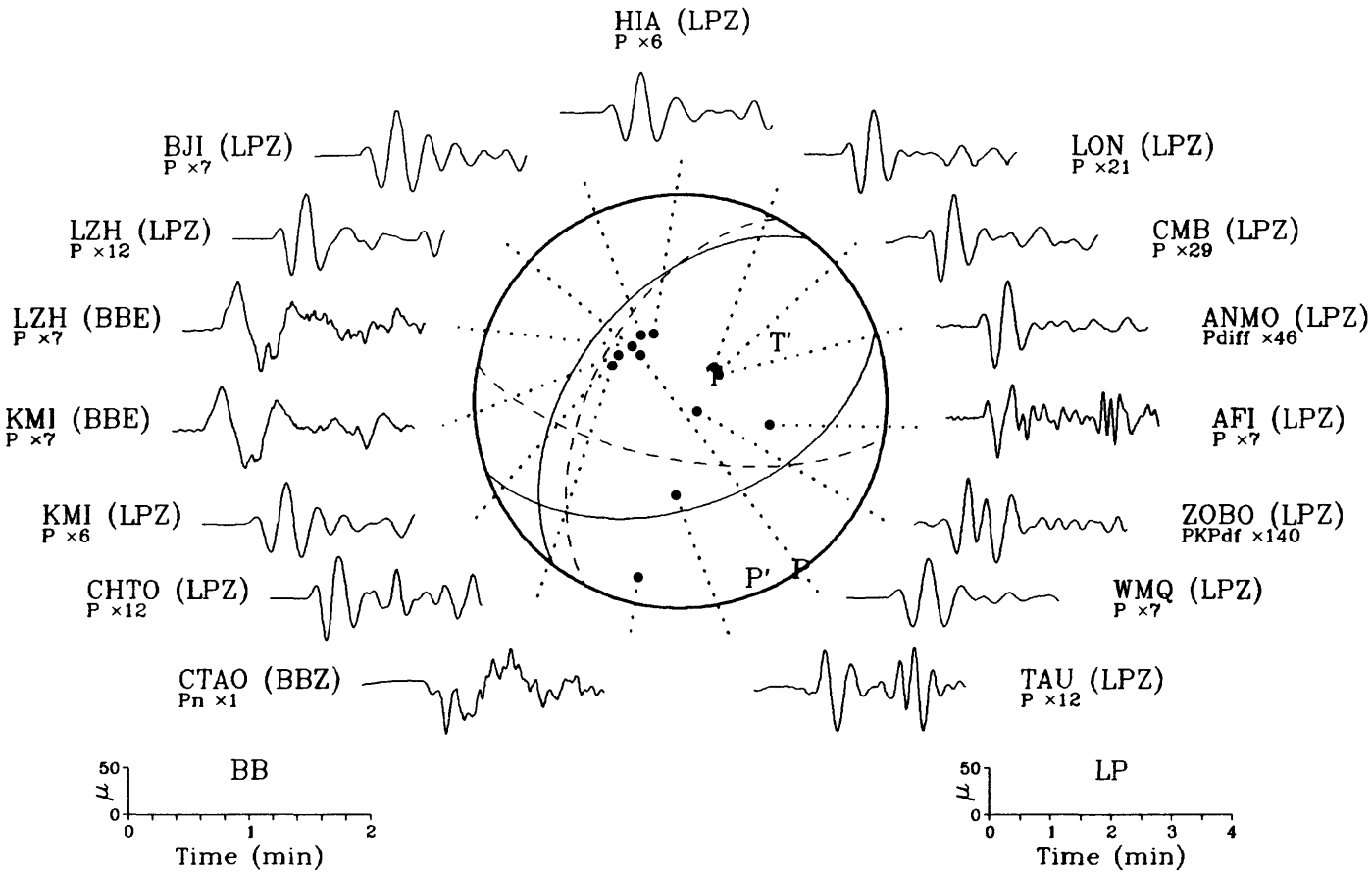
06 November 1988 13:03:19.34
Burma–China Border Region

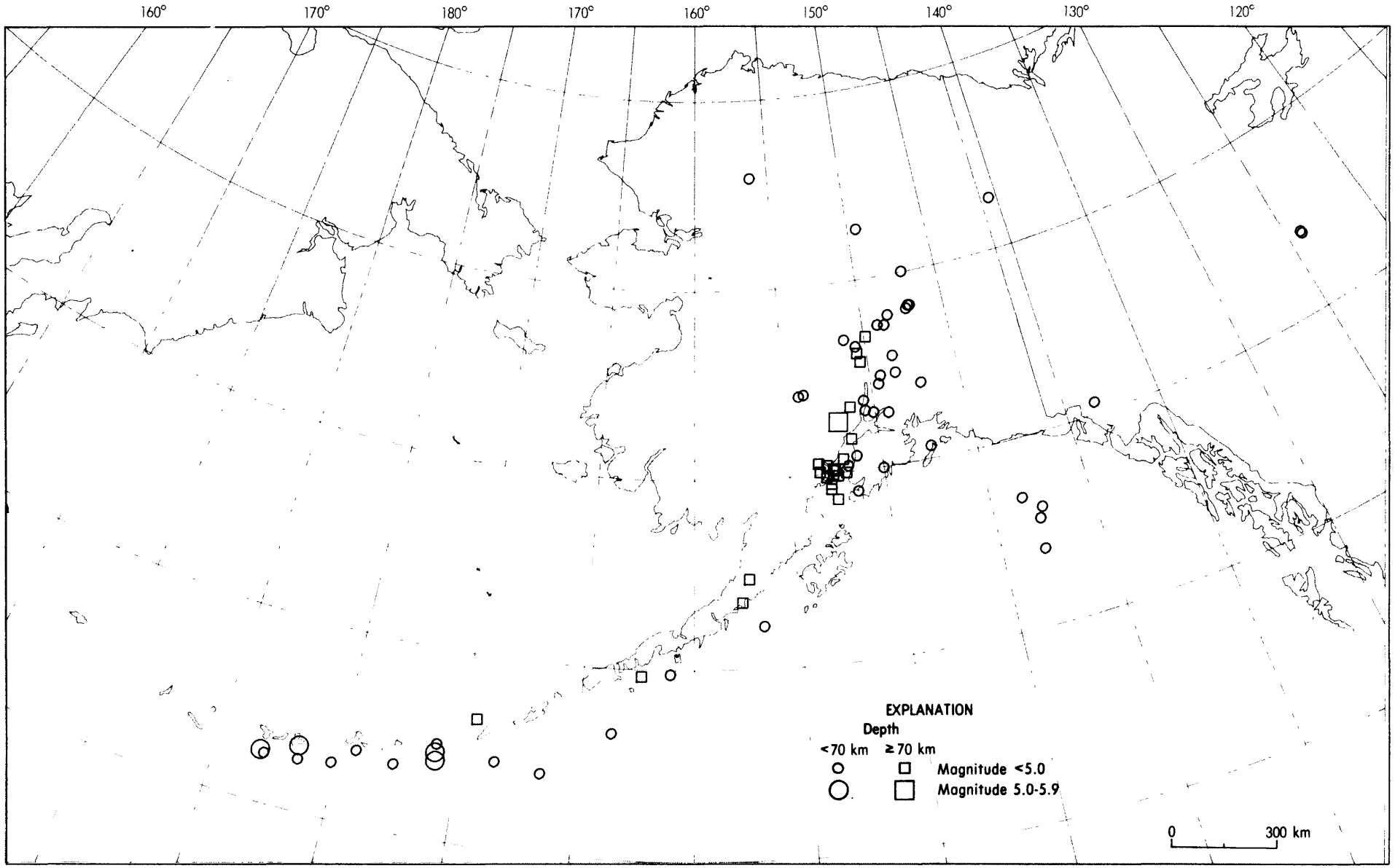


15 November 1988 08:41:42.35
Fox Islands, Aleutian Islands

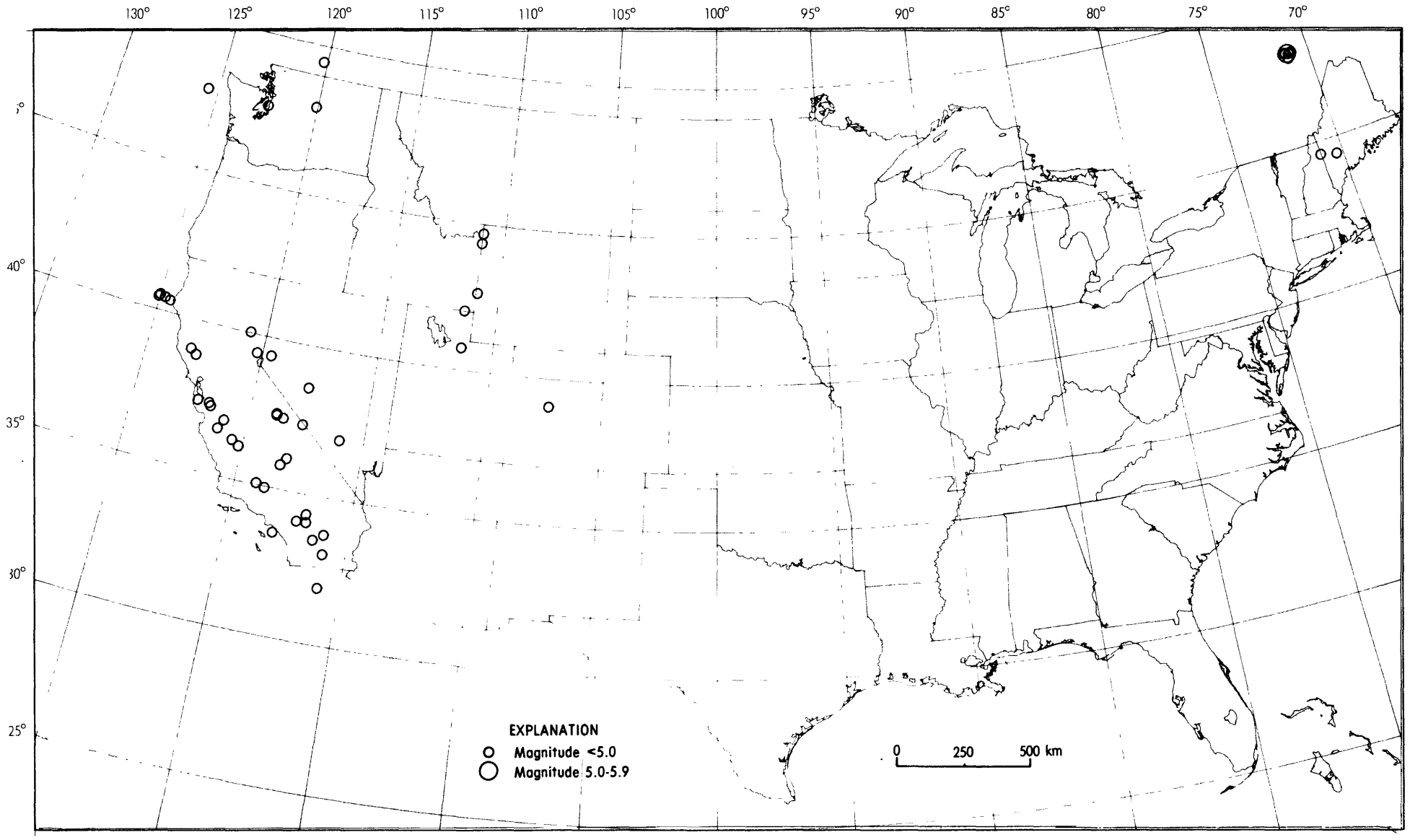


18 November 1988 19:38:54.62
New Britain Region

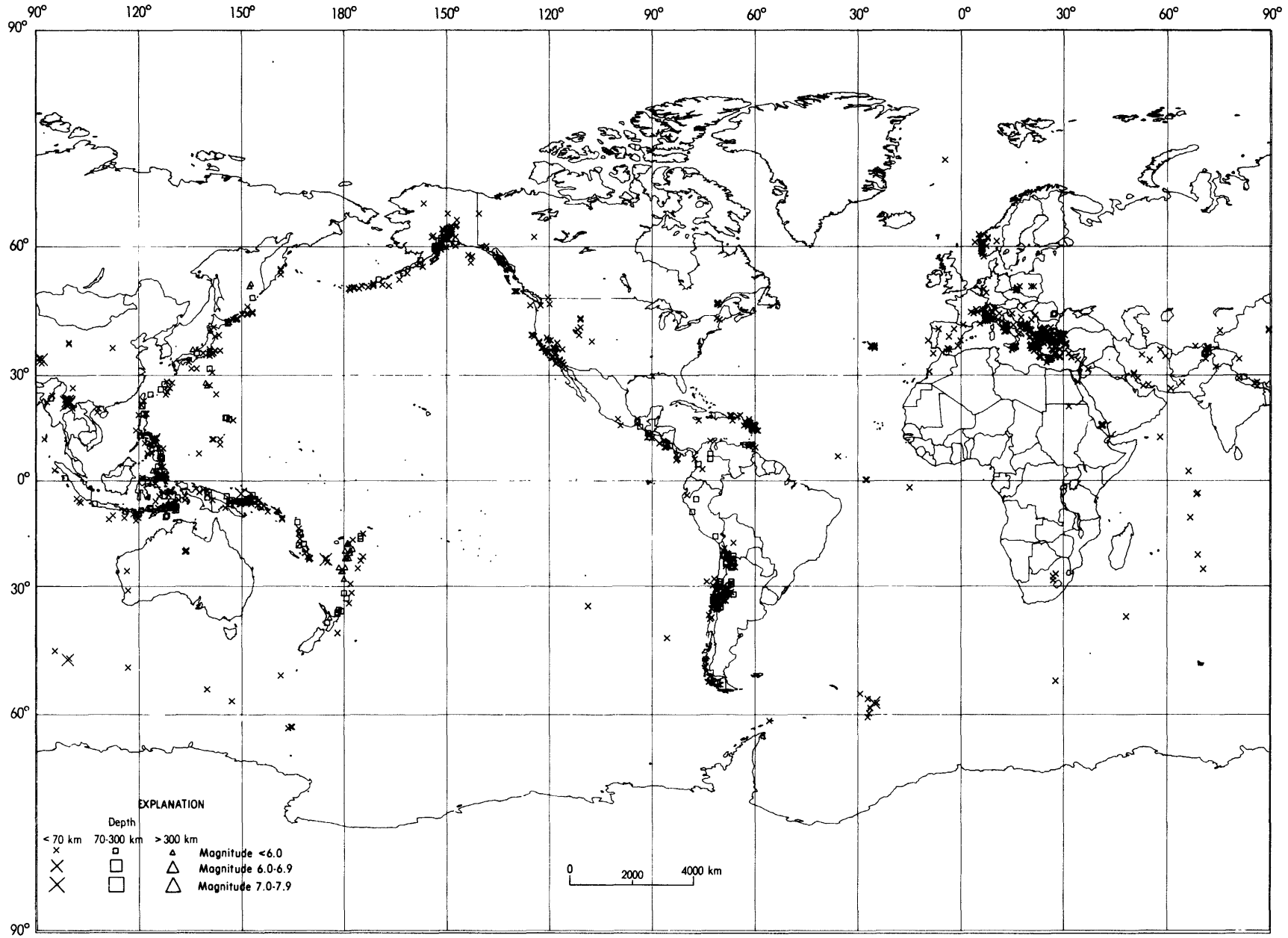




Earthquake epicenters in Alaska and adjacent regions for November, 1988 (C. Stover).



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



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

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

DECEMBER 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	27	11.1*	36.368 N	141.755 E	33 N	4.3		1.3	12	NEAR EAST COAST OF HONSHU, JAPAN
	01	00	53	41.6	39.974 N	23.921 E	10 G			0.9	10	AEGEAN SEA
	01	04	13	39.4?	53.18 N	163.70 W	33 N	4.3		0.6	10	UNIMAK ISLAND REGION
	01	05	35	34.6%	36.854 N	4.327 W	71 ?			0.7	9	STRAIT OF GIBRALTAR. MG 3.1 (MDD).
	01	05	38	51.2?	35.92 N	22.31 E	33 N	3.7		1.3	10	MEDITERRANEAN SEA
	01	06	23	12.3*	29.227 S	179.483 W	33 N	4.5	4.0	1.2	7	KERMADEC ISLANDS REGION
	01	06	35	58.6&	63.068 N	150.818 W	112				20	CENTRAL ALASKA. <AGS-P>.
	01	07	31	55.2*	17.005 N	62.270 W	161 ?			0.4	13	LEEWARD ISLANDS
	01	10	25	50.9*	36.553 N	35.581 E	33 N			1.4	9	TURKEY
	01	10	33	59.2&	61.398 N	146.594 W	33				39	SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR). Felt (III) at Valdez.
	01	11	02	10.8	39.914 N	24.021 E	10 G			0.8	21	AEGEAN SEA
	01	11	44	14.5	40.384 N	29.217 E	10 G			1.0	11	TURKEY
	01	14	15	13.5%	58.179 N	6.346 E	10 G			0.9	7	SOUTHERN NORWAY. MD 2.3 (BER).
	01	17	07	30.9	32.126 S	68.427 W	114 *			1.2	17	MENDOZA PROVINCE, ARGENTINA
	01	17	26	54.1?	42.56 N	18.58 E	10 G			0.1	4	YUGOSLAVIA. MD 2.0 (TTG).
	01	17	54	19.8*	10.226 S	166.167 E	33 N	4.4	3.2	1.3	8	SANTA CRUZ ISLANDS
	01	18	13	42.6*	22.166 S	179.791 W	641 ?	5.0		0.7	40	SOUTH OF FIJI ISLANDS
	01	18	16	08.8*	56.135 N	157.806 W	33 N			0.5	10	ALASKA PENINSULA
	01	20	48	26.1	39.963 N	23.935 E	8			1.0	20	AEGEAN SEA
	01	20	50	59.0*	39.930 N	23.958 E	10 G			1.1	14	AEGEAN SEA
	01	21	52	05.8	34.490 N	24.078 E	33 N	4.4	3.6	1.3	62	CRETE
	01	21	58	53.1	11.932 S	26.707 E	33 N	4.7		0.7	16	ZAIRE REPUBLIC
	01	22	00	06.7?	31.55 S	68.68 W	110 ?			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	01	22	22	47.7&	61.731 N	150.722 W	68				32	SOUTHERN ALASKA. <AGS-P>.
	01	23	05	05.4%	37.796 N	25.458 W	10 G			0.4	5	AZORES ISLANDS. Felt (III) an Saa Miguel.
	01	23	31	40.0	42.550 N	13.123 E	10 G			0.7	7	CENTRAL ITALY. MD 2.3 (SSO).
	01	23	35	49.4	21.751 N	143.791 E	214 *	4.6		0.8	25	MARIANA ISLANDS REGION
	02	00	11	47.5*	51.235 N	175.280 W	33 N	4.7		1.0	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	02	00	46	02.2?	35.99 S	179.09 E	106 ?	4.2		0.7	10	OFF E. COAST OF N. ISLAND, N.Z.
	02	01	56	39.9?	23.60 S	176.61 W	253 ?	4.4		1.2	12	SOUTH OF FIJI ISLANDS
	02	02	04	01.6	48.912 N	128.824 W	10 G	4.1		0.8	24	VANCOUVER ISLAND REGION
	02	02	45	51.8&	36.630 N	121.288 W	9				10	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	02	04	11	57.6	44.175 N	16.245 E	20			1.4	50	YUGOSLAVIA. ML 3.6 (ZAG), 3.5 (KBA), 3.4 (TTG), 3.4 (LJU), 3.4 (VKA). MD 3.7 (TRI). Felt (VI) in the Knin area.
	02	05	55	16.6*	19.912 S	177.552 W	300 *	4.7		1.0	37	FIJI ISLANDS REGION
	02	06	21	44.0*	56.558 N	152.273 W	33 N	4.6		1.4	31	KODIAK ISLAND REGION. ML 3.7 (PMR).
	02	07	03	27.1%	42.564 N	19.193 E	10 G			0.6	5	YUGOSLAVIA. MD 2.3 (TTG).
	02	08	52	29.6?	15.49 N	60.98 W	33 N			1.0	6	LEEWARD ISLANDS. ML 2.8 (FDF).
	02	09	24	04.4*	37.650 N	71.601 E	33 N	4.3		0.3	7	AFGHANISTAN-USSR BORDER REGION
	02	10	02	14.5%	43.395 N	5.473 E	10 G			0.6	6	NEAR SOUTH COAST OF FRANCE. MD 2.4 (STR).
	02	12	31	15.3&	58.872 N	152.395 W	62				24	KODIAK ISLAND REGION. <AGS-P>.
	02	14	09	58.8%	60.269 N	5.158 E	0 G			0.5	7	SOUTHERN NORWAY. MD 2.1 (BER). Prabable explosion.
	02	14	21	19.2%	60.477 N	5.385 E	0 G			0.2	6	SOUTHERN NORWAY. MD 1.9 (BER). Probable explosian.
	02	14	50	01.2?	62.24 N	5.65 E	10 G			0.9	5	SOUTHERN NORWAY. MD 2.1 (BER).
	02	15	10	44.6	7.206 S	107.160 E	79 *	5.0		1.1	36	JAVA
	02	15	39	34.4*	28.789 S	73.074 W	33 N			1.1	15	OFF COAST OF CENTRAL CHILE
	02	16	00	13.9*	3.225 N	126.458 E	33 N	4.7		1.0	18	TALAUD ISLANDS
	02	16	52	03.1*	37.319 N	71.629 E	33 N	4.7		0.2	7	AFGHANISTAN-USSR BORDER REGION
	02	16	59	13.3	29.554 N	81.164 E	33 N	4.5		1.4	17	NEPAL
	02	17	43	04.6	40.472 N	22.643 E	10	4.3	3.5	1.2	43	GREECE
	02	18	15	09.3	30.282 N	101.529 E	31 *	4.6		1.4	22	SICHUAN PROVINCE, CHINA. ML 4.5 (BJI).
	02	18	25	17.9*	10.294 N	60.756 W	33 N			1.2	12	TRINIDAD
	02	18	46	17.0&	42.004 N	111.475 W	2				22	EASTERN IDAHO. <SLC-P>. ML 2.8 (SLC). Felt (IV) ot Fish Haven, Idaho and Carnish, Utah. Felt (III) at Garden City, Utah.
	02	19	45	33.8&	42.005 N	111.470 W	10				6	EASTERN IDAHO. <SLC-P>. ML 2.4 (SLC).

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	02	21 44 10.2&	39.738	N	110.902	W	1					4	UTAH. <SLC-P>. ML 2.7 (SLC).
	02	22 09 37.0?	19.38	N	67.52	W	10	G			0.3	5	MONA PASSAGE
	02	22 18 16.8	38.386	N	0.242	E	33	N	3.9		1.3	38	SPAIN. MG 3.6 (MDD).
	02	22 55 29.0*	8.621	N	126.435	E	33	N	4.4		1.2	13	MINDANAO, PHILIPPINE ISLANDS
	03	01 23 33.3	30.248	N	57.542	E	28	*	5.2		1.3	19	IRAN
a	03	03 13 45.7	27.800	N	141.059	E	107	D	5.5		1.0	212	BONIN ISLANDS REGION. Felt (III JMA) on Chichi-shimo.
	03	03 25 30.5	40.479	N	22.604	E	10	G			0.2	8	GREECE
	03	04 04 07.5	40.476	N	22.617	E	10	G			0.3	11	GREECE
	03	04 12 22.5%	37.910	N	26.307	W	10	G			0.4	10	AZORES ISLANDS
	03	05 41 53.2?	14.64	N	119.51	E	33	N	4.5		0.7	7	LUZON, PHILIPPINE ISLANDS
	03	05 50 13.9	40.460	N	22.629	E	10	G			1.0	16	GREECE
	03	05 58 09.3	39.671	N	26.110	E	10	G			1.0	12	TURKEY
	03	06 04 48.0*	36.227	N	72.652	E	33	N	4.8		1.2	8	AFGHANISTAN-USSR BORDER REGION
	03	06 21 53.3*	32.756	S	71.670	W	10	G			0.6	11	NEAR COAST OF CENTRAL CHILE
	03	06 30 28.6%	37.407	N	1.979	W	10	G			1.0	7	SPAIN. MG 3.0 (MDD).
	03	06 37 30.0	24.504	S	67.054	W	187		4.4		1.3	26	CHILE-ARGENTINA BORDER REGION
	03	08 36 32.9*	19.353	N	120.106	E	33	N			0.5	8	PHILIPPINE ISLANDS REGION
	03	08 38 41.8*	3.845	S	152.759	E	57	*	4.2		1.4	10	NEW IRELAND REGION
	03	08 43 51.6	43.531	N	146.984	E	39	D	5.2	4.0	0.8	111	KURIL ISLANDS. Felt (I JMA) at Nemuro, Hokkaido.
	03	08 50 19.3*	43.067	N	12.931	E	10	G			0.5	5	CENTRAL ITALY. MD 2.1 (SSO).
	03	10 40 53.0*	8.689	S	120.140	E	125	?	4.0		0.6	11	FLORES ISLAND REGION
	03	11 38 26.4&	34.150	N	118.130	W	13		4.4	4.2		61	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.9 (PAS), 5.0 (BRK). Some minor injuries and slight damage reported in the Pasadena area. Also slight damage (VI) at Bell Gardens, Los Angeles, Los Nietos, Norwalk and Pico Rivera. Felt (V) at Arcadia, Artesia, Azusa, Bell, Bellflower, Burbank, Cedarpines Park, Chatsworth, Dana Point, Downey, Glendale, Hawthorne, Huntington Beach, Hawaiian Gardens, Inglewood, La Canada, La Habra, Lynwood, Maywood, Montebello, Mount Wilson, Ontario, Palmdale, San Dimas, San Gabriel, Sierra Madre, South El Monte, Sun Valley, Torrance, Tujunga, Walnut and Whittier. Felt throughout much of southern California.
	03	12 25 55.4%	43.424	N	5.479	E	10	G			0.5	5	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	03	12 48 44.4?	51.41	N	16.17	E	10	G			1.2	4	POLAND
	03	13 01 10.1	34.129	N	135.608	E	74		4.6		0.7	34	NEAR S. COAST OF SOUTHERN HONSHU. Felt (I JMA) at Owase, Osaka, Kyoto and Tsu. Also felt at Shionomisaki.
	03	13 03 25.4?	32.87	S	70.51	W	33	N			0.9	8	CHILE-ARGENTINA BORDER REGION
	03	13 26 06.5	3.093	N	123.240	E	487		4.8		0.9	66	CELEBES SEA
	03	14 37 45.7&	37.394	N	118.560	W	8					14	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.1 (REN).
	03	15 21 47.5*	17.656	S	64.420	W	33	N			1.0	8	BOLIVIA
a	03	16 42 00.7	18.657	N	120.906	E	56		5.1	4.5	1.1	99	LUZON, PHILIPPINE ISLANDS. Felt (III RF) at Pasuquin.
	03	18 05 56.3	46.643	N	9.940	E	7				1.0	58	SWITZERLAND. ML 4.2 (KBA), 3.7 (FUR), 3.5 (VKA), 3.4 (LDG). MD 3.5 (DOU), 3.3 (STR).
	03	18 32 05.0	43.074	N	12.963	E	10	G			0.7	6	CENTRAL ITALY. MD 2.4 (SSO).
	03	18 40 54.1	34.495	N	53.089	E	33	N	4.7		1.0	17	IRAN. Felt in the Garmsar area.
a	03	19 14 55.5	58.009	S	25.345	W	33	N	5.5	4.8	1.1	73	SOUTH SANDWICH ISLANDS REGION
	03	20 13 45.5*	25.121	S	66.280	W	240	?			1.1	10	SALTA PROVINCE, ARGENTINA
	03	20 14 59.9	36.191	N	32.283	E	10	G			1.2	13	TURKEY
	03	20 48 17.4?	34.18	S	71.00	W	33	N			0.3	8	NEAR COAST OF CENTRAL CHILE
	03	21 31 04.2%	40.080	N	27.718	E	10	G			0.4	10	TURKEY
	03	21 46 20.1?	31.11	N	138.07	E	433	?	4.2		1.2	12	SOUTH OF HONSHU, JAPAN
	03	22 28 17.2*	29.041	N	130.071	E	58	*	4.8		0.7	13	RYUKYU ISLANDS
	03	23 02 16.9&	47.549	N	122.743	W	49					52	WASHINGTON. <SEA>. CL 2.8 (SEA).
	04	00 18 01.8	40.854	N	22.815	E	10	G			1.1	18	GREECE. ML 3.2 (SKO).
	04	00 21 11.0?	34.53	N	22.93	E	33	N	4.3		1.5	9	MEDITERRANEAN SEA
	04	00 41 00.9	9.982	N	60.158	W	31		4.8		1.3	32	NEAR COAST OF VENEZUELA
o	04	01 59 07.4	12.633	N	144.792	E	33	*	5.2	5.1	1.4	82	SOUTH OF MARIANA ISLANDS
	04	02 23 58.2	44.291	N	114.305	W	5	G			0.5	15	WESTERN IDAHO. ML 3.8 (BUT).
	04	02 58 14.9	38.449	N	99.604	E	10	G	4.3		1.4	12	QINGHAI PROVINCE, CHINA
	04	04 28 46.9	11.814	N	60.989	W	31				0.6	14	WINDWARD ISLANDS. ML 3.8 (FDF).
	04	05 19 53.0	73.387	N	54.998	E	0	G	5.9	4.6	0.9	416	NOVAYA ZEMLYA
	04	06 02 21.9	43.473	N	110.317	W	5	G			0.7	17	WYOMING. ML 3.6 (BUT).
o	04	06 14 10.4	20.014	N	121.930	E	10	G	5.6	5.5	1.2	179	PHILIPPINE ISLANDS REGION
	04	06 20 47.4*	19.890	N	122.189	E	39	*	4.9		1.1	22	PHILIPPINE ISLANDS REGION
	04	06 29 59.1%	40.551	N	27.655	E	10	G			0.9	9	TURKEY
	04	06 31 11.3&	57.887	N	156.131	W	137		4.1			28	ALASKA PENINSULA. <AGS-P>.
	04	06 33 18.0	19.902	N	122.074	E	17		5.2	5.4	1.2	80	PHILIPPINE ISLANDS REGION
	04	07 20 01.1	17.072	N	62.285	W	33	N			0.3	7	LEEWARD ISLANDS. ML 3.2 (FDF).
	04	08 29 30.6	13.363	N	124.562	E	33	N	5.2		1.0	43	LUZON, PHILIPPINE ISLANDS
	04	09 19 19.4%	40.696	N	15.315	E	10	G			0.9	6	SOUTHERN ITALY
	04	09 20 22.4%	39.245	N	27.712	E	10	G			0.6	5	TURKEY
	04	10 39 16.4*	33.253	S	72.264	W	10	G			1.1	14	OFF COAST OF CENTRAL CHILE
	04	10 57 16.4&	36.110	N	121.550	W	5					15	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	04	11 26 42.0*	14.433	S	13.651	W	10	G	5.0	4.4	1.1	10	SOUTH ATLANTIC RIDGE
	04	12 21 24.4%	39.250	N	27.797	E	10	G			0.6	5	TURKEY
	04	12 33 58.1&	39.320	N	118.162	W	0					3	NEVADA. <REN>. MD 3.0 (REN).
	04	12 54 38.0	17.001	N	62.325	W	32				0.7	13	LEEWARD ISLANDS. ML 3.7 (FDF).
	04	13 33 22.0?	17.16	N	62.35	W	76	?			1.5	13	LEEWARD ISLANDS
o	04	13 38 06.3	18.493	N	146.367	E	76		5.7		1.0	191	MARIANA ISLANDS
	04	13 41 32.2*	50.785	N	129.953	W	10	G	4.1		0.9	41	VANCOUVER ISLAND REGION
	04	14 21 23.4	40.868	N	22.833	E	10	G			0.4	6	GREECE
	04	14 42 24.9	22.687	S	68.564	W	157	*	4.4		1.1	15	NORTHERN CHILE
	04	14 52 09.3%	41.170	N	29.013	E	10	G			0.3	6	TURKEY
	04	16 33 44.2&	36.095	N	120.038	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt (IV) at Avenal.
	04	16 49 29.0?	37.02	N	13.70	W	10	G			0.5	7	NORTH ATLANTIC OCEAN
	04	17 14 54.7%	39.876	N	29.274	E	10	G			1.2	7	TURKEY
	04	17 28 11.3?	32.29	S	71.55	W	33	N			1.4	10	NEAR COAST OF CENTRAL CHILE
	04	18 04 39.4	66.412	N	153.421	W	10	G			0.8	7	ALASKA
	04	18 11 34.8%	44.493	N	7.486	E	10	G			0.5	7	NORTHERN ITALY. ML 2.5 (GEN).
	04	18 23 50.6	28.630	N	129.068	E	90	D	4.9		1.3	55	RYUKYU ISLANDS. Felt (II JMA) at Naze.
	04	18 55 22.5%	15.424	N	60.647	W	33	N			1.0	7	LEEWARD ISLANDS. MG 2.8 (FDF).

	04	19	43	09.8	25.220	N	94.974	E	93 *	4.7		1.3	37	BURMA-INDIA BORDER REGION
	04	21	03	05.8	40.955	N	15.626	E	10 G			1.4	7	SOUTHERN ITALY
	04	21	35	54.0	15.631	N	60.930	W	31			0.7	15	LEEWARD ISLANDS. ML 2.9 (FDF).
	04	21	42	43.6*	19.989	N	122.023	E	28 *	4.5		1.3	23	PHILIPPINE ISLANDS REGION
	04	22	17	13.8&	60.931	N	151.055	W	16	4.1			39	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.5 (PMR).
	04	22	19	23.1	48.094	N	22.817	E	10 G			0.7	8	SOUTHWESTERN USSR. ML 2.7 (KRA).
a	04	22	56	44.1	22.136	S	69.254	E	10 G	5.4	5.0	0.8	44	MID-INDIAN RISE
	05	01	16	45.6	15.243	N	92.110	W	168 D	4.1		1.2	30	MEXICO-GUATEMALA BORDER REGION
	05	01	36	00.6*	17.047	N	62.223	W	10 G			0.3	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	05	02	14	07.7?	31.83	S	69.30	W	164 ?			0.7	10	SAN JUAN PROVINCE, ARGENTINA
	05	04	09	48.3?	40.67	N	27.65	E	10 G			1.1	8	TURKEY
	05	04	14	26.4	40.751	N	27.431	E	10			1.0	29	TURKEY
	05	04	14	43.4*	21.641	S	67.468	W	33 N			1.1	7	CHILE-BOLIVIA BORDER REGION
	05	04	23	29.5?	40.68	N	27.31	E	25 *			1.0	7	TURKEY
	05	04	28	28.2	40.692	N	27.410	E	9	3.4		0.9	34	TURKEY
	05	04	38	32 4	40.647	N	26.993	E	10 G			0.8	7	TURKEY
	05	05	24	10.1?	40.60	N	27.17	E	28 *			0.8	7	TURKEY
	05	05	37	05.0*	23.140	S	66.509	W	232 *	3.6		1.5	12	JUJUY PROVINCE, ARGENTINA
	05	05	43	56.5%	40.844	N	27.621	E	10 G			1.4	7	TURKEY
	05	06	17	38.5	21.030	N	93.890	E	56 *	4.6		1.3	20	BURMA
	05	07	07	02.0*	36.068	N	2.977	W	10 G			1.5	7	STRAIT OF GIBRALTAR
	05	07	09	37.2%	40.733	N	27.473	E	10 G			1.1	8	TURKEY
	05	07	37	07.2*	31.769	S	117.024	E	10 G			1.3	5	WESTERN AUSTRALIA
	05	08	08	20.5?	7.41	S	128.77	E	147 ?			1.4	8	BANDA SEA
	05	09	27	31.4	41.937	N	23.114	E	10 G			0.8	14	GREECE-BULGARIA BORDER REGION. ML 2.6 (SKO).
	05	10	00	57.7*	19.855	N	122.430	E	33 N	4.5		1.2	16	PHILIPPINE ISLANDS REGION
	05	10	44	48.0*	6.945	S	123.391	E	612 ?	4.7		1.0	17	BANDA SEA
	05	11	18	04.6*	2.983	S	130.010	E	63 *	4.4		0.4	7	CERAM
	05	11	20	11.0*	2.868	S	130.249	E	33 N			1.2	6	CERAM
	05	11	21	53.5	6.989	S	123.280	E	612 *	4.8		0.9	52	BANDA SEA
	05	11	22	06.8	6.993	S	123.400	E	626	5.2		0.9	86	BANDA SEA
a	05	1[illegible]	22	20.2	7.101	S	123.386	E	626	5.3		0.9	58	BANDA SEA
	05	11	50	58.8%	60.288	N	5.418	E	0 G			0.2	6	SOUTHERN NORWAY. MD 2.0 (BER). Probable explosian.
	05	11	57	23.5*	41.229	N	24.536	E	5 G			1.1	9	GREECE-BULGARIA BORDER REGION
	05	13	12	30.2%	40.663	N	27.339	E	10 G			0.7	6	TURKEY
	05	13	49	09.9?	6.96	S	123.37	E	626 ?	4.5		1.2	14	BANDA SEA
	05	14	37	51.5	24.269	S	67.076	W	183	4.6		1.4	29	CHILE-ARGENTINA BORDER REGION
	05	14	51	32.3*	3.861	S	135.559	E	70 ?	4.5		1.4	13	WEST IRIAN REGION
	05	15	00	55.6&	37.561	N	118.846	W	9				19	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.0 (REN). ML 3.0 (BRK).
	05	15	40	52.4*	59.643	S	26.646	W	33 N			1.3	10	SOUTH SANDWICH ISLANDS REGION
	05	16	04	37.0?	38.84	N	26.41	E	10 G			1.0	5	AEGEAN SEA
a	05	16	05	32.7	15.259	S	173.525	W	40 G	6.0	6.3	1.1	275	TONGA ISLANDS. Ms 6.3 (BRK), 6.2 (PAS). Felt (IV) at Apia, Western Samoa. Depth from broadband displacement seismograms.
	05	16	30	26.3?	45.78	N	7.15	E	10 G			0.4	4	NORTHERN ITALY. ML 2.2 (GEN).
	05	16	35	32.9	24.668	S	178.631	E	573 *	5.4		0.8	71	SOUTH OF FIJI ISLANDS
	05	17	29	45.7%	43.430	N	5.479	E	10 G			0.5	5	NEAR SOUTH COAST OF FRANCE. MD 2.3 (STR).
	05	17	55	07.5	41.508	N	19.410	E	10 G			0.8	13	ALBANIA. MD 2.7 (TTG).
	05	18	34	25.9	44.511	N	6.888	E	9			0.4	26	FRANCE. ML 3 0 (GEN), 2.9 (LDG).
	05	19	31	05.7	34.905	N	26.839	E	5 G			1.3	19	CRETE. ML 4.0 (ATH).
	05	20	00	13.6*	43.081	N	12.791	E	10 G			0.5	5	CENTRAL ITALY. MD 2.5 (SSO).
	05	20	12	25.6	36.979	N	3.844	W	14			1.0	22	STRAIT OF GIBRALTAR. MG 3.9 (MDD). Felt (V) in the Agron areo, Spoin.
	05	20	15	14.8	37.017	N	3.799	W	10 G			1.0	12	SPAIN. MG 3 7 (MDD). Felt (IV) in the Agron area.
	05	21	21	34.2?	51.66	N	7.28	E	10 G			1 2	5	GERMANY
	05	21	31	14.7	13.208	N	120.082	E	42 D	4.8	5.0	1.1	44	MINDORO, PHILIPPINE ISLANDS
	05	21	58	48.5	43.103	N	12.828	E	10 G			1.1	23	CENTRAL ITALY. ML 3.2 (KBA). MD 3.1 (SSO).
	06	00	18	33.3	17.908	S	73.089	W	51 D	5.1		1.2	35	OFF COAST OF PERU. Felt (II) ot Arequipa.
	06	00	30	11.1%	38.086	N	28.921	E	10 G			1.5	7	TURKEY
	06	04	08	19.4*	3.008	N	126.382	E	72 *	4.9		0.9	19	TALAUD ISLANDS
	06	04	52	55.5*	21.904	S	170.906	E	113 *	4.9		1 4	33	LOYALTY ISLANDS REGION
	06	05	17	03.5%	18.344	N	66.928	W	10 G			1.0	5	PUERTO RICO REGION
	06	05	18	37.3%	40.737	N	27.482	E	10 G			1.1	6	TURKEY
	06	06	09	17.0	37.115	N	3.783	W	14			0.4	10	SPAIN. MG 3.0 (MDD). Felt (III) in the Agron area.
	06	07	41	32.4	38.299	N	21.817	E	10 G	3.7		1.1	15	GREECE. ML 3.3 (ATH).
	06	08	42	41.2	19.456	N	120.201	E	41 *	4.7		1.3	28	PHILIPPINE ISLANDS REGION
	06	11	02	58.8*	6.991	S	147 662	E	56 *	4.9		0.9	14	EAST PAPUA NEW GUINEA REGION
	06	12	04	09.6?	33.43	S	72.53	W	21			1.2	13	OFF COAST OF CENTRAL CHILE
	06	12	05	49.9*	39.602	N	23.227	E	10 G			0.9	6	AEGEAN SEA. MD 3.0 (ATH).
	06	12	13	13.6%	33.141	S	71.180	W	10 G			1.2	9	NEAR COAST OF CENTRAL CHILE
o	06	13	20	41.0	29.948	N	51.652	E	10 G	5.5	5.7	1.3	304	SOUTHERN IRAN. Seven peaple injured and damage to more than 21 villages in the Mamasani area. Felt at Shiraz and Bushehr.
	06	14	20	55.3	30.105	N	51.709	E	10 G	3.8		1 3	10	IRAN
	06	14	54	32.2?	16.16	N	99.74	W	10 G	3.7		1.0	9	NEAR COAST OF GUERRERO, MEXICO
	06	15	57	29.6?	18.34	S	175.56	W	180 ?	4.9		1.0	14	TONGA ISLANDS
	06	16	11	36.7&	59.542	N	152.910	W	94	4.9			131	SOUTHERN ALASKA. <AGS-P>. Felt (V) at Seldovia; (IV) at Homer, Kenai, Ninilchik and Port Grahom; (III) at Anchorage, Seward, Soldatna and Sterling; (II) at Chugiok.
	06	16	59	19.7?	51.17	N	19.83	E	10 G			1.5	5	POLAND. ML 2.8 (KRA).
	06	17	19	03.7%	40.771	N	27.413	E	10 G			0.8	9	TURKEY
	06	17	49	25.4?	17.47	N	61.88	W	33 N			0.2	5	LEEWARD ISLANDS. ML 2.9 (FDF).
	06	18	13	21.3	46.334	N	12.608	E	10 G			0.6	9	NORTHERN ITALY. MD 2.8 (TRI). ML 2.5 (KBA).
a	06	19	42	31.5	1.457	S	15.244	W	10 G	5.3	5.4	1.3	138	NORTH OF ASCENSION ISLAND
	06	19	57	02.0*	29.935	N	51.716	E	10 G			1.5	9	SOUTHERN IRAN
	06	20	15	37.1	37.172	N	3.781	W	10			1.3	17	SPAIN. MG 3.4 (MDD). Felt (IV) in the Agron area.
	06	21	11	53.2%	37.760	N	25.369	W	10 G			0.5	7	AZORES ISLANDS. Felt (II) an Sao Miguel.
	06	21	14	17.1%	37.748	N	25.378	W	10 G			0.4	7	AZORES ISLANDS. Felt (II) on Saa Miguel.
	06	21	32	46.5*	24.362	S	67.100	W	187	3.9		1.2	12	CHILE-ARGENTINA BORDER REGION
	06	21	38	58.7%	46.350	N	0.706	W	19			1.2	15	FRANCE. ML 3.2 (LDG).
	06	21	52	07.8	44.514	N	7.465	E	10 G			0.4	15	NORTHERN ITALY. ML 2.4 (GEN), 2.1 (LDG).

	06	22	00	24.3?	37.65	N	71.26	E	33	N	4.4	0.3	7	AFGHANISTAN-USSR BORDER REGION
	06	22	13	06.9	42.053	N	19.753	E	10	G		0.5	9	YUGOSLAVIA. MD 2.5 (TTG).
	06	22	20	17.7	42.086	N	19.773	E	13			1.0	28	YUGOSLAVIA. MD 3.4 (ATH), 3.0 (TTG).
	06	22	37	44.8	34.387	N	28.314	E	66	*	4.3	0.6	15	EASTERN MEDITERRANEAN SEA. MD 3.7 (ATH).
	06	23	30	53.4	24.949	N	123.159	E	142	*	4.2	1.0	24	SOUTHWESTERN RYUKYU ISLANDS
	06	23	48	55.0?	31.67	N	35.41	E	10	G		0.4	6	DEAD SEA REGION
	07	01	37	19.5	29.974	N	51.545	E	33	N	4.0	1.4	16	SOUTHERN IRAN
	07	02	08	05.0%	44.947	N	6.644	E	10	G		0.3	5	FRANCE. ML 1.7 (GEN).
	07	02	49	47.2*	22.281	S	179.953	W	671	*	5.0	0.8	47	SOUTH OF FIJI ISLANDS
	07	02	52	39.2&	38.823	N	122.853	W	8				13	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	07	03	02	55.4&	40.325	N	124.928	W	6				23	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK). Felt (IV) at Honeydew; (III) at Ferndale and Rio Dell.
	07	03	10	05.4	35.787	N	29.593	E	33	N		1.0	11	EASTERN MEDITERRANEAN SEA. MD 3.4 (ATH).
	07	04	13	23.8?	33.48	S	72.06	W	10	G		0.5	9	OFF COAST OF CENTRAL CHILE
	07	04	41	50.1?	42.99	N	9.10	W	10	G		1.6	4	SPAIN. MG 2.7 (MDD). Felt (III) in the Olveira area.
	07	06	21	28.6	24.352	S	66.841	W	198		4.4	1.3	21	SALTA PROVINCE, ARGENTINA
	07	06	29	59.1?	61.67	N	2.46	E	10	G		0.7	5	NORWEGIAN SEA. MD 2.1 (BER).
	07	07	00	32.0?	4.08	S	138.25	E	33	N	4.6	0.6	12	WEST IRIAN
f	07	07	41	24.2	40.987	N	44.185	E	5	G	6.2 6.8	1.3	530	TURKEY-USSR BORDER REGION. Ms 7.0 (BRK), 6.9 (PAS). Mo=1.6*10**19 Nm (PPT). At least 25,000 people killed, 19,000 injured and 500,000 homeless in the Leninakan-Spitak-Kiravakan area of northern Armenia, USSR. More than 20 towns and 342 villages were affected and 58 of them were completely destroyed. Damage totalled 16.2 billion dollars. Damage (X) at Spitak and (IX) at Leninakan, Kiravakan and Stepanavan. Surface faulting 10 kilometers in length and with a maximum throw of 1.5 meters occurred. Power transmission lines were severely damaged and landslides buried railroad tracks in the epicentral area. Damage occurred in the Kelbadzhar area, Azerbaijan, USSR. Felt (VII) at Tobatskuri, Razdan and Borzhomi; (VI) at Bagdanovka, Tbilisi and Yerevan, (V) at Goris; (IV) at Makhachkala and Groznyy; (III) at Sheki and Shemakha, USSR. Four people killed and about 200 houses damaged in the Tuzluca-Kagizman-Kars area, Turkey. Felt in the Tabriz-Orumiyeh area, Iran. Two events about three seconds apart. Depth from broadband displacement seismograms, based on second event.
	07	07	45	44.8	40.974	N	44.246	E	10	G	5.9	1.3	91	TURKEY-USSR BORDER REGION. Casualties and damage included in previous event.
	07	08	06	28.1*	40.903	N	44.396	E	10	G	4.8	0.9	22	TURKEY-USSR BORDER REGION
	07	08	52	52.6&	41.999	N	111.474	W	8				10	UTAH. <SLC>. ML 2.7 (SLC).
	07	08	57	06.1*	40.936	N	43.209	E	10	G	4.6	1.3	7	TURKEY-USSR BORDER REGION
	07	09	06	40.2	31.694	N	83.504	E	33	N	4.8	1.1	25	TIBET
	07	09	28	51.3?	40.69	N	45.37	E	10	G	4.6	0.5	5	EASTERN CAUCASUS
	07	09	34	34.0	40.956	N	44.078	E	10	G	5.0	1.4	112	TURKEY-USSR BORDER REGION
	07	10	34	35.7*	36.232	N	27.208	E	5	G		1.4	6	DODECANESE ISLANDS
	07	10	41	24.2&	37.272	N	121.668	W	3				10	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	07	11	57	15.7%	43.414	N	5.465	E	10	G		0.6	7	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	07	12	40	36.9?	15.92	N	60.70	W	10	G		0.7	5	LEEWARD ISLANDS. ML 3.6 (FDF).
	07	12	42	45.4%	60.476	N	5.412	E	0	G		0.7	7	SOUTHERN NORWAY. MD 1.6 (BER). Probable explosion.
	07	13	02	18.0?	15.36	N	95.14	W	33	N		0.8	7	NEAR COAST OF OAXACA, MEXICO
	07	13	19	33.9*	39.169	N	30.254	E	10	G	4.1	1 3	12	TURKEY
	07	13	24	26.7	31.527	S	68.851	W	116	*		1.0	16	SAN JUAN PROVINCE, ARGENTINA
	07	13	49	35.6*	40.442	N	27.569	E	10	G		0.1	5	TURKEY
a	07	13	53	28.1	52.358	N	160.556	E	36	D	5.0 4.6	1.0	81	OFF EAST COAST OF KAMCHATKA
	07	14	06	28.4?	40.51	N	27.22	E	10	G		0.7	6	TURKEY
	07	14	13	13.0&	62.524	N	151.288	W	42				25	CENTRAL ALASKA. <AGS-P>. ML 3.0 (PMR).
	07	15	29	46.2&	61.583	N	151.677	W	88				23	SOUTHERN ALASKA. <AGS-P>.
	07	15	30	59.0?	20.42	S	169.37	E	33	N	4.6 3 7	0.6	6	VANUATU ISLANDS
	07	17	08	49.8*	19.920	S	133.787	E	10	G		1.4	6	NORTHERN TERRITORY, AUSTRALIA
	07	18	03	08.7*	46.032	N	115.161	E	33	N	4.0	1.1	8	MONGOLIA
	07	18	05	42.8*	40.952	N	44.160	E	10	G	4.6	1.4	13	TURKEY-USSR BORDER REGION
	07	18	23	25.9	44.831	N	7.352	E	10	G		0.8	19	NORTHERN ITALY. ML 2.8 (GEN), 2.4 (LDG).
	07	18	38	38.7	18.290	S	167.862	E	10	G	4.9 4.4	1.1	24	VANUATU ISLANDS
	07	18	50	25.8	37.058	N	3.820	W	9			0.3	11	SPAIN. MG 3.1 (MDD). Felt (III) in the Agron area.
	07	19	17	56.6?	41.69	N	44.75	E	10	G	4.4	1.2	5	WESTERN CAUCASUS
	07	20	07	30.3*	41.208	N	44.471	E	10	G	4.6	1.2	13	WESTERN CAUCASUS
	07	20	58	26.9*	2.403	S	101.250	E	110	*	4.5	1.1	8	SOUTHERN SUMATERA
	07	21	07	01.6*	16.967	N	62.370	W	33	N		0.8	6	LEEWARD ISLANDS. ML 2.6 (FDF).
	07	21	08	04.3*	12.303	N	144.304	E	33	N		1.0	10	SOUTH OF MARIANA ISLANDS
	07	21	13	52.6*	33.969	N	72.909	E	33	N	4.7	1.5	14	PAKISTAN
	07	21	36	42.7?	16.36	N	61.10	W	10	G		0.4	4	LEEWARD ISLANDS. ML 2.1 (FDF).
	07	21	47	36.1&	56.889	N	143.223	W	10	G	4.3		39	GULF OF ALASKA. <AGS-P>. ML 4.1 (PMR).
	07	22	00	53.9?	7.24	S	129.71	E	199	?	4.4	1.1	7	BANDA SEA
	07	22	55	18.8?	47.33	N	1.80	W	10	G		0.8	7	FRANCE. ML 2.7 (LDG).
	07	23	40	05.3?	17.25	S	74.94	W	33	N		1.0	6	OFF COAST OF PERU
	08	00	06	21.1?	4.18	S	133.85	E	33	N		1.5	6	WEST IRIAN REGION
	08	01	15	54.0?	40.76	N	44.82	E	10	G	4.9	1.5	9	TURKEY-USSR BORDER REGION
	08	01	16	58.8&	36.155	N	121.558	W	9				10	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	08	01	49	41.0*	40.955	N	43 401	E	10	G	4.3	1.1	10	TURKEY-USSR BORDER REGION
	08	02	21	46.2	40.579	N	15.647	E	26	*		1.4	13	SOUTHERN ITALY
	08	03	06	20.2*	17.012	N	62.247	W	10	G		0.9	5	LEEWARD ISLANDS. ML 2.3 (FDF).
	08	04	09	36.0*	40.884	N	44.410	E	10	G	4.7	1.3	9	TURKEY-USSR BORDER REGION
	08	04	52	20.1*	33.922	N	26.068	E	33	N		1.4	8	EASTERN MEDITERRANEAN SEA. MD 3.9 (ATH).
	08	05	00	11.3	44.599	N	10.059	E	10	G		1.0	13	NORTHERN ITALY
	08	05	36	29.8*	40.944	N	44.100	E	10	G	5.0	1.0	14	TURKEY-USSR BORDER REGION
	08	05	52	20.7*	24.291	S	67.189	W	204	*		0.8	7	CHILE-ARGENTINA BORDER REGION
	08	07	35	16.6?	39.24	N	30.53	E	10	G		0.8	6	TURKEY
	08	07	46	01.4	40.874	N	44.336	E	10	G	4.6	1.5	37	TURKEY-USSR BORDER REGION
	08	07	56	23.6%	44 012	N	7.034	E	5	G		0.1	5	NORTHERN ITALY. ML 2.5 (GEN).
	08	09	05	01.8	44.087	N	11.828	E	25			0.6	13	NORTHERN ITALY. ML 3.1 (KBA).

	08	09	15	31.3&	59.379	N	152.401	W	66				29	SOUTHERN ALASKA. <AGS-P>.
	08	09	26	15.0	40.684	N	22.474	E	15	4.1		1.3	71	GREECE. ML 4.0 (ATH), 4.0 (TTG). Felt in the Thessaloniki area.
	08	10	21	03.4	47.072	N	4.795	E	10	G		1.5	13	FRANCE. ML 3.0 (LDG). MD 2.1 (STR).
a	08	11	18	54.6*	15.213	S	174.352	W	33	N	5.0 5.5	1.4	22	TONGA ISLANDS
	08	11	36	18.0	40.674	N	22.369	E	10	G		0.2	6	GREECE
	08	11	38	16.1	40.641	N	22.415	E	10	G		1.1	7	GREECE. MD 3.2 (ATH). ML 2.7 (SKO).
a	08	12	02	44.4*	14.870	S	174.498	W	33	N	5.0 5.2	1.2	28	SAMOA ISLANDS REGION
a	08	12	58	59.9	6.917	N	82.740	W	10	G	5.6 5.7	1.2	246	SOUTH OF PANAMA. Ms 5.9 (BRK). MD 5.7 (HDC). Felt (III) at Puerto Armuelles and (II) at Puerto Jimenez, Costa Rica.
	08	12	59	54.9	17.060	N	62.217	W	10	G		0.3	7	LEEWARD ISLANDS. ML 3.2 (FDF).
	08	13	33	48.1	36.629	N	30.397	E	28	*	5.2	1.3	25	TURKEY
	08	14	22	39.9?	43.14	N	145.89	E	94	*	4.8	1.2	14	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Nemuro and (I JMA) at Kushiro.
	08	14	27	57.3*	28.493	S	70.443	W	33	N		1.4	8	CENTRAL CHILE
	08	14	45	05.9&	59.883	N	151.263	W	55				36	KENAI PENINSULA, ALASKA. <AGS-P>.
	08	15	04	28.7%	15.944	N	60.848	W	31	*		0.6	8	LEEWARD ISLANDS. ML 2.7 (FDF).
	08	15	07	22.1*	52.144	N	173.639	W	33	N	4.5	1.0	11	ANDREANOF ISLANDS, ALEUTIAN IS.
	08	15	32	47.1	23.413	N	99.470	E	10	G	4.9	1.1	46	BURMA-CHINA BORDER REGION. ML 4.9 (BJI).
	08	17	55	26.7*	50.299	N	18.793	E	10	G		0.1	6	POLAND. ML 3.2 (KRA), 2.9 (VKA).
	08	19	25	59.6	40.622	N	29.554	E	10	G		1.1	6	TURKEY
	08	19	55	32.1	44.371	N	7.640	E	10	G		0.9	7	NORTHERN ITALY. ML 2.3 (GEN).
	08	20	14	22.5&	60.763	N	149.967	W	45				35	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.6 (PMR).
	08	20	32	06.4	41.147	N	44.206	E	10	G	4.8	1.3	53	WESTERN CAUCASUS
	08	21	29	20.7	6.886	N	82.733	W	10	G	4.7	1.0	29	SOUTH OF PANAMA. MD 4.6 (SJR), 4.5 (UPA).
	08	22	42	19.4&	59.890	N	152.789	W	94				38	SOUTHERN ALASKA. <AGS-P>.
	09	00	29	13.4&	35.873	N	121.208	W	6				14	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	09	02	39	28.3&	59.862	N	153.224	W	120				33	SOUTHERN ALASKA. <AGS-P>.
	09	06	16	26.9*	35.971	N	2.832	E	10	G		1.2	15	ALGERIA
	09	06	22	48.0	42.341	N	19.389	E	10	G		1.1	10	YUGOSLAVIA. MD 2.9 (TTG).
a	09	07	49	25.7	59.873	S	25.983	W	33	N	5.5 5.6	1.1	77	SOUTH SANDWICH ISLANDS REGION
	09	07	55	16.8	55.248	N	159.509	W	30		4.5	1.2	28	ALASKA PENINSULA. ML 4.1 (PMR).
	09	08	29	11.6*	30.675	S	68.224	W	10	G		0.3	6	SAN JUAN PROVINCE, ARGENTINA
	09	08	54	24.2*	13.643	N	120.819	E	146	*	4.3	1.1	21	MINDORO, PHILIPPINE ISLANDS
	09	09	07	42.5%	46.930	N	4.817	E	10	G		1.5	10	FRANCE. ML 2.6 (LDG).
	09	09	31	04.1	14.457	N	92.528	W	59		5.0	1.1	75	NEAR COAST OF CHIAPAS, MEXICO
	09	10	07	22.8*	5.634	S	149.423	E	171		4.7	0.9	19	NEW BRITAIN REGION
	09	11	17	51.5	39.713	N	140.430	E	135		4.6	0.8	51	HONSHU, JAPAN. Felt (I JMA) at Akita.
	09	13	28	10.9*	42.458	N	24.301	E	10	G		0.9	7	BULGARIA
	09	14	24	43.2	40.719	N	30.345	E	10	G		1.3	13	TURKEY. Felt at Adapazari.
	09	15	02	24.3%	60.520	N	4.967	E	0	G		1.4	6	SOUTHERN NORWAY. MD 1.9 (BER). Probable explosion.
	09	15	09	51.0	6.153	S	155.385	E	186		4.5	1.0	21	SOLOMON ISLANDS
	09	16	30	58.8&	57.405	N	143.098	W	10	G			20	GULF OF ALASKA. <AGS-P>.
	09	17	58	30.6%	43.398	N	5.455	E	10	G		1.1	7	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	09	18	24	49.8	25.514	N	122.556	E	10	G	4.9	1.4	40	TAIWAN REGION
	09	19	09	09.6&	38.090	N	118.861	W	17				10	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 2.9 (REN).
	09	19	40	05.8*	33.721	S	68.450	W	33	N		0.8	5	MENDOZA PROVINCE, ARGENTINA
	09	19	55	37.1	34.498	N	136.830	E	336		4.6	0.9	73	SOUTHERN HONSHU, JAPAN. Felt (II JMA) at Utsunomiya.
a	09	20	29	29.1	2.867	S	77.706	W	27		5.2	1.0	113	PERU-ECUADOR BORDER REGION
	09	20	33	47.0?	15.40	S	176.63	W	287	D	4.8	1.3	18	FIJI ISLANDS REGION
	09	22	42	10.8?	22.19	N	100.51	E	10	G		0.2	5	BURMA-CHINA BORDER REGION
	09	23	10	46.9	20.005	N	121.892	E	31	*	5.2	1.1	61	PHILIPPINE ISLANDS REGION
	10	01	11	55.6?	31.33	N	36.16	E	10	G		1.3	7	DEAD SEA REGION
	10	01	44	16.8?	21.38	S	67.19	W	33	N		1.1	5	CHILE-BOLIVIA BORDER REGION
	10	03	13	50.5?	20.14	S	176.59	W	117	D	5.2	1.3	13	FIJI ISLANDS REGION
	10	03	20	30.6*	47.674	N	8.272	E	10	G		1.3	11	SWITZERLAND. ML 2.7 (LDG). MD 2.4 (STR).
	10	03	46	03.9&	40.403	N	125.020	W	7				6	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	10	06	58	14.9*	31.027	S	71.262	W	128	?		1.0	8	NEAR COAST OF CENTRAL CHILE
a	10	07	30	59.3	58.076	S	10.401	W	10	G	5.4 5.2	1.1	41	SOUTHWESTERN ATLANTIC OCEAN
	10	07	40	08.8?	5.26	S	153.35	E	10	G	4.8	1.3	6	NEW IRELAND REGION
	10	08	59	23.2	44.456	N	7.312	E	17			0.6	27	NORTHERN ITALY. ML 3.0 (GEN), 2.8 (LDG). MD 2.0 (STR).
	10	09	24	32.0*	17.024	N	62.343	W	33	N		1.3	7	LEEWARD ISLANDS. ML 2.6 (FDF).
	10	11	52	39.9*	24.696	N	122.325	E	10	G	4.7	1.2	10	TAIWAN REGION
	10	12	24	57.8	51.323	N	176.394	E	33	N	4.9 4.7	0.9	102	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR).
	10	12	38	02.5	37.825	N	116.149	W	5	G		0.6	9	SOUTHERN NEVADA. MD 2.9 (REN).
	10	12	45	16.7*	24.049	S	66.687	W	208		4.3	1.4	16	SALTA PROVINCE, ARGENTINA
	10	13	09	10.4*	53.182	N	167.554	W	33	N	4.6	1.1	34	FOX ISLANDS, ALEUTIAN ISLANDS
	10	14	12	57.5%	37.654	N	3.327	W	10	G		1.4	5	SPAIN. MG 3.0 (MDD).
	10	14	34	49.0	33.255	N	140.684	E	72	*	4.9	0.7	25	SOUTH OF HONSHU, JAPAN. Felt (I JMA) on Hachijo-jima.
	10	15	24	34.6*	26.421	N	86.339	E	33	N		1.3	9	NEPAL-INDIA BORDER REGION. Felt in the Udaipur Garhi area, Nepal.
a	10	15	40	05.4	50.201	S	130.694	E	10	G	5.1 5.2	1.2	47	SOUTH OF AUSTRALIA
	10	15	49	09.6&	62.650	N	151.119	W	122				26	CENTRAL ALASKA. <AGS-P>.
	10	17	05	43.8	24.020	S	69.887	W	50	D	4.9	0.9	26	NORTHERN CHILE. Felt (III) in the Antofagasta area.
a	10	17	33	19.9	16.321	N	41.102	E	10	G	5.2 5.4	1.4	189	RED SEA
	10	19	13	59.0?	40.76	N	44.08	E	10	G	4.5	1.0	7	TURKEY-USSR BORDER REGION
	10	20	18	59.9?	33.08	S	70.54	W	33	N		0.9	5	CHILE-ARGENTINA BORDER REGION
	10	20	30	00.0&	37.199	N	116.209	W	0		5.0		138	SOUTHERN NEVADA. <DOE>. ML 5.0 (BRK). Tunnel Shot. 37° 11' 56.54" N., 116° 12' 34.00" W., Surface Elev. 2259 m., Depth of Burial 400 m., Shot Time 203000.055, "MISTY ECHO," Nevada Test Site (Dept. of Energy).
	10	20	37	57.5%	38.030	N	26.374	W	10	G		0.4	10	AZORES ISLANDS
	10	21	57	21.0?	11.73	S	117.45	E	33	N		0.9	5	SOUTH OF SUMBAWA ISLAND
	11	00	10	29.0&	19.329	N	155.209	W	8				45	HAWAII. <HVO-P>. MD 4.1 (HVO). Felt (III) at Hilo and Volcano.
	11	01	03	26.5*	36.414	N	71.030	E	33	N	4.2	0.1	5	AFGHANISTAN-USSR BORDER REGION
	11	03	09	28.7?	17.82	N	101.77	W	129	?	4.0	1.4	14	NEAR COAST OF GUERRERO, MEXICO
a	11	03	26	04.5	1.600	N	125.354	E	115		5.4	1.0	67	MOLUCCA PASSAGE
	11	05	18	24.5	53.324	N	166.963	W	67		5.0	0.8	112	FOX ISLANDS, ALEUTIAN ISLANDS
	11	06	12	28.5	40.651	N	22.407	E	10	G		0.8	25	GREECE. ML 3.7 (ATH). Felt in northern Greece.
	11	07	30	40.9*	34.195	S	72.367	W	33	N	4.4	1.2	16	NEAR COAST OF CENTRAL CHILE
	11	08	09	03.6&	7.076	N	83.023	W	8				11	OFF COAST OF COSTA RICA. <HDC>. MD 4.1 (HDC).

	11	08 48 12.3?	1.11	N	76.75	W	33	N			1.5	8	COLOMBIA
	11	08 49 33.8	2.579	S	77.695	W	56		5.2	4.1	1.0	105	PERU-ECUADOR BORDER REGION
	11	09 05 22.6	2.450	S	77.524	W	80	*	4.7		1.0	29	PERU-ECUADOR BORDER REGION
	11	09 49 04.7	25.908	N	125.688	E	125		5.0		1.1	73	SOUTHWESTERN RYUKYU ISLANDS. Felt at Naha and on Kume-shima.
	11	11 13 00.6?	44.02	N	148.64	E	33	N	4.6		1.5	12	KURIL ISLANDS
	11	11 20 49.0	45.603	N	26.513	E	134	*			1.1	28	ROMANIA
	11	11 47 23.9?	17.77	N	145.72	E	252	*	4.7		0.7	13	MARIANA ISLANDS
	11	12 05 18.5?	13.74	S	170.53	E	613	?	4.4		1.4	64	VANUATU ISLANDS REGION
	11	12 38 06.2*	50.667	N	7.203	E	10	G			0.6	6	GERMANY. MD 2.3 (DOU).
	11	13 10 35.9	51.384	N	15.742	E	10	G			1.2	17	POLAND. ML 4.0 (VKA), 3.7 (KBA).
	11	13 33 50.4&	60.240	N	152.767	W	95					25	SOUTHERN ALASKA. <AGS-P>.
	11	14 39 31.2?	45.01	N	36.63	E	33	N	3.9		1.6	7	CRIMEA REGION
	11	16 18 31.4*	32.239	N	130.619	E	33	N			1.2	6	KYUSHU, JAPAN. Felt (II JMA) at Kumamoto.
	11	16 38 58.4&	47.173	N	121.883	W	15					28	WASHINGTON. <SEA>. CL 2.7 (SEA).
	11	18 04 36.3	8.991	N	77.896	W	68	*	4.8		0.8	55	PANAMA-COLOMBIA BORDER REGION
	11	18 18 11.8?	18.71	N	61.81	W	33	N			0.7	8	LEEWARD ISLANDS. ML 3.7 (FDF).
	11	18 32 45.5*	20.534	S	70.333	W	86	?	4.8		1.5	8	NEAR COAST OF NORTHERN CHILE
	11	20 18 22.2?	41.52	N	12.60	E	10	G			1.3	7	SOUTHERN ITALY
	12	00 09 01.9	37.737	N	15.081	E	10	G			0.8	6	SICILY
	12	00 12 05.4	42.953	N	7.948	E	10	G			0.4	10	WESTERN MEDITERRANEAN SEA. ML 2.6 (LDG), 2.6 (GEN).
	12	00 37 15.9&	59.524	N	152.642	W	65					37	SOUTHERN ALASKA. <AGS-P>.
	12	01 16 06.5*	8.348	S	106.671	E	33	N	4.9		1.2	19	SOUTH OF JAVA
	12	01 20 17.8*	8.396	S	106.719	E	33	N	4.6		1.2	13	SOUTH OF JAVA
	12	01 30 48.1	43.154	N	12.821	E	10	G			1.0	10	CENTRAL ITALY. MD 2.3 (SSO).
	12	02 03 55.8?	13.64	N	60.59	W	10	G			0.7	8	WINDWARD ISLANDS. ML 3.2 (FDF).
	12	03 50 49.2?	14.04	S	174.37	W	33	N	4.6	4.0	1.4	35	SAMOA ISLANDS REGION
	12	03 54 26.1&	36.978	N	121.448	W	5					16	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	12	03 59 53.9?	31.22	S	68.59	W	106	?			0.4	6	SAN JUAN PROVINCE, ARGENTINA
a	12	04 51 18.8	27.337	N	128.362	E	64		5.3		1.0	158	RYUKYU ISLANDS. Felt (III JMA) on Okinaerabu-shima. Also felt (I JMA) at Naha, Naze and Nago.
	12	05 28 19.9&	36.980	N	121.453	W	5					17	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	12	05 30 25.6&	59.622	N	152.756	W	83					27	SOUTHERN ALASKA. <AGS-P>.
	12	05 59 56.1?	17.75	N	101.44	W	84	?	3.9		1.2	8	NEAR COAST OF GUERRERO, MEXICO
	12	06 40 26.9&	36.977	N	121.450	W	5					17	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	12	06 40 41.6	36.300	N	4.512	W	93		4.9		0.9	65	STRAIT OF GIBRALTAR. Felt (III) in the southern coastal area of Spain.
	12	09 27 18.0?	33.09	S	71.98	W	136	?			0.9	8	NEAR COAST OF CENTRAL CHILE
	12	10 08 31.0	5.647	S	154.409	E	149		5.0		0.9	39	SOLOMON ISLANDS
	12	10 11 52.5	6.798	N	76.665	W	18	*			1.6	10	NORTHERN COLOMBIA
	12	10 15 36.9	42.717	N	12.985	E	10	G			1.0	8	CENTRAL ITALY. MD 2.5 (SSO).
	12	10 36 41.0*	12.515	N	87.540	W	97	*	4.6		1.0	42	NEAR COAST OF NICARAGUA. MD 4.6 (HDC).
	12	11 49 20.4&	62.402	N	151.545	W	89					25	CENTRAL ALASKA. <AGS-P>.
a	12	13 32 20.3	5.355	N	82.571	W	10	G	5.3	5.1	1.2	178	SOUTH OF PANAMA. Ms 5.5 (BRK). MD 5.3 (HDC). Felt at David. Also felt (II) at San Jose and Golfito, Costa Rica.
	12	13 34 55.2?	34.15	N	26 42	E	33	N			1.2	8	CRETE. MD 3.8 (ATH).
	12	14 29 38.2?	30.60	S	72 57	W	33	N			0.4	6	OFF COAST OF CENTRAL CHILE
	12	15 36 17.9?	40.82	N	44.26	E	10	G			1.2	10	TURKEY-USSR BORDER REGION
a	12	15 44 20.8	13.496	N	124.563	E	39	*	5.0	4.5	1.1	60	LUZON, PHILIPPINE ISLANDS
	12	16 02 50.7%	44.320	N	8.249	E	10	G			0.1	6	NORTHERN ITALY. ML 2.8 (GEN).
	12	16 22 01.3?	12.18	N	144.16	E	46	?	4.7	3.9	1.2	12	SOUTH OF MARIANA ISLANDS
	12	17 05 07.5	43.103	N	18.918	E	10	G			1.2	11	YUGOSLAVIA. MD 2.7 (TTG).
	12	17 07 28.0	43.124	N	18.928	E	10	G			1.4	9	YUGOSLAVIA. MD 2.5 (TTG).
	12	17 09 28 0*	42.675	N	2.982	E	10	G			1.5	5	PYRENEES
	12	18 42 19 2*	43 132	N	18.935	E	10	G			1.2	5	YUGOSLAVIA. MD 2.2 (TTG).
	12	18 57 20.6	59.119	N	136.847	W	10	G	4.7		1.1	72	SOUTHEASTERN ALASKA. ML 4.7 (PMR). Felt (IV) at Gustavus, Haines, Juneau and Pelican. Felt (III) at Haines Junction and Whitehorse, Yukon Territory, Canada.
	12	20 34 17.3*	34.759	N	27.630	E	10	G			1.6	8	EASTERN MEDITERRANEAN SEA. MD 3.8 (ATH).
	12	21 00 49.4%	43.423	N	5.468	E	10	G			0.5	6	NEAR SOUTH COAST OF FRANCE. MD 2.9 (STR).
	12	22 25 21.0?	38.75	N	23.61	E	10	G			1.6	5	GREECE. ML 2.6 (ATH).
	12	23 32 00.8*	31.181	S	68.148	W	10	G			1.4	6	SAN JUAN PROVINCE, ARGENTINA
	12	23 36 01.7?	1.13	S	133.82	E	33	N	3.8		1.6	7	WEST IRIAN REGION
	12	23 38 10.4*	47.066	N	6.156	E	10	G			1.3	9	FRANCE. ML 2.4 (LDG).
	13	02 47 42.3*	2.787	S	77.930	W	33	N	4.3		1.3	12	PERU-ECUADOR BORDER REGION
	13	02 48 45.4%	43.823	N	11.739	E	10	G			0.7	6	CENTRAL ITALY
	13	03 57 25.1?	50.84	N	19.50	E	10	G			1.5	7	POLAND. ML 2.7 (KRA).
a	13	04 01 38.9	71.134	N	7.634	W	10	G	5.7	5.6	1.2	326	JAN MAYEN ISLAND REGION. Ms 5.8 (BRK), 5.7 (PAS). Felt (IV) on Jan Mayen.
	13	06 29 15.8	27.139	N	87.808	E	33	N	4.0		1.2	19	NEPAL. Felt in the Gangtok-Darjiling area, India.
a	13	06 52 53.8	51.940	N	176.032	W	52	D	5.3		1.1	166	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (IV) on Adak.
	13	09 41 36.0	34.928	N	135.571	E	24				1.0	12	NEAR S. COAST OF SOUTHERN HONSHU. Felt (III JMA) at Kyoto.
	13	11 00 36.5	37.846	N	21.193	E	56		4.7		1.3	111	SOUTHERN GREECE. Felt in the Peloponnisos area.
	13	11 46 05.1?	11.73	S	117.78	E	33	N			1.5	6	SOUTH OF SUMBAWA ISLAND
	13	12 02 12.6*	39.346	N	27.934	E	10	G			0.9	6	TURKEY
	13	14 01 06.2	9.556	S	126.717	E	33	N	4.3		1.0	14	TIMOR
	13	14 52 46.4*	43.322	N	5.433	E	10	G			1.4	25	NEAR SOUTH COAST OF FRANCE. MD 3.2 (STR).
	13	15 33 18.7	19.693	S	134.047	E	5	G			0.7	7	NORTHERN TERRITORY, AUSTRALIA
	13	15 46 24.0	38.681	N	39.471	E	10	G			1.2	10	TURKEY
	13	16 01 10.4*	41.281	N	23.217	E	10	G			1.1	7	GREECE-BULGARIA BORDER REGION. ML 1.5 (SKO).
	13	16 02 19.9*	41.296	N	23.256	E	10	G			0.9	5	GREECE-BULGARIA BORDER REGION. ML 1.4 (SKO).
	13	16 30 13.5%	39.444	N	27.883	E	10	G			0.4	7	TURKEY
	13	16 37 51.8%	40.418	N	14.827	E	10	G			1.3	9	SOUTHERN ITALY
a	13	16 55 10.5	28.648	N	141.678	E	53	*	5.3		1.0	90	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
	13	18 24 30.9?	51.29	N	175.77	W	33	N			1.7	7	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR).
	13	18 55 25.7*	36.685	N	26.573	E	10	G			1.3	5	DODECANESE ISLANDS
	13	19 39 58.5	41.234	N	23.233	E	10	G			1.1	22	GREECE-BULGARIA BORDER REGION. MD 3.1 (ATH).
	13	19 54 03.6*	34.747	N	33.362	E	10	G			0.2	7	CYPRUS. ML 3.8 (BHL).
	13	20 19 58.2&	38.176	N	119.131	W	5					12	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 2.8 (REN).
	13	20 52 51.3*	51 319	N	15.524	E	10	G			0.5	7	POLAND. ML 3.2 (KBA).

	13	21	05	57.0&	61.337	N	150.669	W	63				39	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Butte.
	13	21	05	57.5&	37.588	N	118.847	W	8				10	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 2.8 (REN).
	13	21	24	17.4&	37.590	N	118.845	W	8				13	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.0 (REN).
	13	21	40	55.4?	37.67	N	20.68	E	17 *			1.5	7	IONIAN SEA. ML 3.6 (ATH).
	13	23	43	01.5*	17.782	S	72.866	W	33 N			0.6	5	NEAR COAST OF PERU
	14	00	02	19.1	63.358	N	149.732	W	10 ?			0.1	8	CENTRAL ALASKA
	14	00	16	17.3&	37.589	N	118.847	W	8				12	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 2.9 (REN).
	14	01	12	33.6*	38.301	N	33.716	E	10 G			1.0	9	TURKEY
	14	01	47	09.0*	36.585	N	32.500	E	10 G			0.7	13	TURKEY
	14	02	29	24.3*	38.246	N	33.621	E	10 G			0.9	10	TURKEY
	14	06	27	18.0	44.870	N	114.383	W	5 G			1.0	16	WESTERN IDAHO. ML 3.0 (NEIS), 3.3 (BUT). Felt at Challis.
	14	07	20	37.6*	15.617	N	120.963	E	184 *	4.3		0.9	11	LUZON, PHILIPPINE ISLANDS
	14	08	03	34.6?	6.06	S	103.89	E	61 ?	4.6		0.5	10	SOUTHWEST OF SUMATERA
	14	09	45	06.9	39.740	N	20.364	E	52	4.6	3.7	1.3	156	GREECE-ALBANIA BORDER REGION. MD 4.5 (ATH). Felt in the Gjirakaster-Sarande area, Albania.
	14	10	58	55.0	44.270	N	7.452	E	10 G			0.8	12	NORTHERN ITALY. ML 2.5 (GEN).
a	14	11	46	02.8	39.178	N	71.793	E	59 *	5.3	5.0	1.3	218	TAJIK SSR. Felt (III) at Fergana, Osh, Dzhirgatal, Namangan, Dushanbe, Leninabad and Kharag; (II) at Tashkent.
	14	11	58	46.7*	40.652	N	141.040	E	142	4.4		0.8	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt at Hachinohe.
	14	12	43	07.8?	37.65	N	33.10	E	10 G			1.5	10	TURKEY
	14	14	42	23.8*	4.605	S	144.137	E	129 *	4.4		1.2	8	NEAR N COAST OF PAPUA NEW GUINEA
	14	14	54	37.2%	60.715	N	5.579	E	10 G			0.5	6	SOUTHERN NORWAY. MD 2.3 (BER).
	14	15	47	36.0?	45.84	N	7.43	E	10 G			0.6	5	NORTHERN ITALY. ML 2.4 (GEN).
	14	17	00	08.8	37.185	N	3.869	W	12			1.3	18	SPAIN. MG 3.3 (MDD). Felt (III) in the epicentral area.
a	14	17	06	28.0	5.753	N	117.859	E	79 *	5.1		1.2	72	KALIMANTAN. Felt at Sandakan and Tawau, Malaysia.
	14	17	13	27.3*	5.159	N	82.810	W	33 N		3.5	0.9	15	SOUTH OF PANAMA
	14	18	24	12.1?	53.62	N	162.68	W	33 N	4.3		1.2	12	SOUTH OF ALASKA
	14	20	04	11.2%	43.400	N	5.448	E	10 G			1.1	7	NEAR SOUTH COAST OF FRANCE. MD 2.4 (STR).
	14	20	51	58.7%	46.998	N	0.680	W	10 G			1.4	9	FRANCE. ML 3.0 (LDG).
	14	20	58	48.5?	3.49	S	104.65	W	10 G	4.8	4.7	1.0	27	NORTHERN EASTER I. CORDILLERA
	14	21	58	59.4*	1.831	N	98.318	E	33 N	4.3		1.3	8	NORTHERN SUMATERA
	14	23	48	46.1%	15.785	N	61.352	W	10 G			0.6	5	LEEWARD ISLANDS. ML 2.0 (FDF).
	15	01	15	13.6%	44.112	N	10.843	E	10 G			1.5	6	NORTHERN ITALY
	15	01	44	05.0	53.735	N	162.654	W	33 N	4.5		0.9	42	SOUTH OF ALASKA
	15	02	57	15.7	20.926	N	120.796	E	33 N	4.7		1.2	24	PHILIPPINE ISLANDS REGION
	15	03	19	20.9&	62.020	N	151.362	W	88				26	CENTRAL ALASKA. <AGS-P>.
a	15	06	40	51.7	46.499	N	95.572	E	24 D	5.3		1.1	112	MONGOLIA. Felt at Altay and Uliastay.
	15	07	27	58.0?	13.60	N	61.10	W	108 *			0.7	7	WINDWARD ISLANDS
	15	08	31	16.7?	60.56	N	8.59	E	10 G			0.5	5	SOUTHERN NORWAY. MD 1.9 (BER).
	15	08	44	07.5*	15.642	N	60.905	W	10 G			0.1	6	LEEWARD ISLANDS. ML 2.8 (FDF).
a	15	09	21	18.3	51.136	N	158.023	E	39 D	5.3	4.5	0.8	187	NEAR EAST COAST OF KAMCHATKA
	15	09	54	58.9	43.407	N	5.422	E	10 G			1.2	16	NEAR SOUTH COAST OF FRANCE. MD 2.7 (LDG).
	15	10	42	15.2&	41.999	N	111.482	W	3				6	UTAH. <SLC-P>. CL 2 2 (SLC).
	15	11	24	11.5	44.554	N	7.245	E	12			1.0	31	NORTHERN ITALY. ML 3.1 (LDG), 3.0 (GEN).
	15	12	55	47.9?	62.05	N	1.67	E	10 G			0.2	7	NORWEGIAN SEA. MD 2.9 (BER).
	15	13	18	07.5?	60.56	N	8.21	E	10 G			0.8	5	SOUTHERN NORWAY. MD 2.1 (BER).
	15	14	31	52.9	26.828	S	26.789	E	5 G	4.7		1.2	9	REPUBLIC OF SOUTH AFRICA
	15	15	06	31.1*	36.165	N	119.973	W	5 G			1.6	7	CENTRAL CALIFORNIA. ML 2.6 (NEIS).
	15	16	44	15.2*	50.277	N	18.852	E	10 G			0.6	5	POLAND. ML 2.9 (KRA), 2.9 (VKA).
	15	17	19	32.3*	33.213	S	70.317	W	108 ?			0.7	11	CHILE-ARGENTINA BORDER REGION
	15	17	50	55.2*	35.451	N	139.775	E	33 N			1.3	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Takya and Ajira. Also felt (I JMA) on Oshima.
	15	18	56	21.4	18.961	S	124.472	E	10 G			1.2	12	WESTERN AUSTRALIA
	15	18	59	20.2%	38.180	N	23.172	E	10 G			1.3	5	GREECE. ML 2.5 (ATH).
	15	19	00	29.5?	32.55	S	71.45	W	33 N			0.4	8	NEAR COAST OF CENTRAL CHILE
	15	19	21	12.8&	35.750	N	121.558	W	3				20	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
	15	20	16	50.0	10.928	N	62.524	W	94	5.0		1.0	130	NEAR COAST OF VENEZUELA. MD 4.4 (TRN). Felt throughout northern Trinidad. Also felt at Ciudad Guayana, Venezuela.
	15	21	49	35.8	31.481	N	110.771	E	33 N	4.5	4.3	0.7	11	EASTERN CHINA. ML 4.0 (BJI).
	15	23	10	02.2?	28.84	S	71.56	W	33 N			0.7	5	NEAR COAST OF CENTRAL CHILE
	15	23	14	24.5?	29.12	N	81.64	E	112 ?	4.5		1.1	18	NEPAL
	15	23	19	13.8&	33.480	N	116.540	W	13				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	15	23	51	51.1*	7.034	N	124.212	E	488 ?	4.7		0.9	21	MINDANAO, PHILIPPINE ISLANDS
	16	* 00	46	42.8	38.435	N	30.624	E	10 G			0.4	7	TURKEY
	16	01	50	27.9&	36.830	N	121.272	W	8				19	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK). Mo=1.8*10**15 Nm (BRK). Felt (IV) at Tres Pinos and (III) at Hollister.
	16	01	52	32.4?	15.79	N	60.48	W	24 ?			0.7	5	LEEWARD ISLANDS. ML 2.9 (FDF).
	16	02	19	48.6	18.526	N	68.814	W	121 D	4.9		0.8	51	MONA PASSAGE. Felt in western Puerto Rico.
	16	02	30	12.4&	36.820	N	121.288	W	5				15	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	16	03	05	13.8?	51.79	N	7.91	E	10 G			1.6	5	GERMANY
	16	03	42	32.3?	55.09	N	164.28	W	208 ?	4.1		0.6	11	UNIMAK ISLAND REGION
	16	04	19	18.2*	9.764	S	75.631	W	33 N	4.7		0.9	9	PERU
a	16	05	05	46.8	24.122	S	66.920	W	170	5.1		1.2	69	SALTA PROVINCE, ARGENTINA. Felt (IV) at Antofagasta, Chile
	16	05	06	02.5%	37.771	N	25.507	W	10 G			0.5	5	AZORES ISLANDS. Felt (II) at Ribeirinha.
	16	05	53	04.9&	33.980	N	116.680	W	8	4.8			63	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.8 (PAS), 5.2 (BRK). Felt (V) at Anza, Banning, Bloomington, Bryn Mawr, Corona, El Monte, Highland, Palm Desert, Rialto, Thousand Palms and Whitewater. Felt in Orange, Los Angeles, Riverside, San Bernardino and San Diego Counties.
	16	07	04	25.4	17.025	N	62.257	W	10 G			0.4	8	LEEWARD ISLANDS. ML 3.0 (FDF).
	16	07	08	35.3&	61.892	N	149.601	W	45				33	SOUTHERN ALASKA. <AGS-P>.
	16	08	01	24.9	56.581	N	152.173	W	33 N	5.0	4.4	0.9	72	KODIAK ISLAND REGION
	16	08	15	57.5?	20.86	S	69.17	W	161 ?			1.9	8	NORTHERN CHILE
	16	08	56	38.2%	39.734	N	28.746	E	10 G			0.7	7	TURKEY
a	16	09	17	04.8	13.968	N	90.855	W	70	5.2		1.4	117	NEAR COAST OF GUATEMALA. Felt in southern Guatemala and (II) at Guatemala City. Felt (IV) in the San Salvador area, El Salvador. Small landslides observed at

													Mejicanes and Cuscatancinga, El Salvador.
a	16	09 29 55.4	15.329	S	173.010	W	33	N	5.2 5.2	1.3	81		TONGA ISLANDS
	16	09 41 04.4?	39.15	N	29.63	E	10	G		1.6	5		TURKEY
f	16	09 57 16.5	29.790	S	177.915	W	31	G	6.1 6.2	1.1	340		KERMADEC ISLANDS. Ms 6.2 (BRK), 5.9 (PAS). Depth from broadband displacement seismograms.
	16	11 35 50.7	44.735	N	14.969	E	10	G	3.7	1.2	129		ADRIATIC SEA. ML 4.5 (TTG), 4.5 (ZAG), 4.4 (LDG). MD 4.5 (VKA). Felt (VI) in the Rijeka-Zadar area, Yugoslavia and (III) at Trieste, Italy.
	16	12 26 35.5	22.958	S	66.376	W	220		5.2	0.9	114		JUJUY PROVINCE, ARGENTINA
	16	13 28 18.7%	15.487	N	60.698	W	33	N		1.1	8		LEEWARD ISLANDS. ML 2.9 (FDF).
	16	13 38 04.8*	52.206	N	171.359	W	33	N	4.4	0.9	31		FOX ISLANDS, ALEUTIAN ISLANDS
	16	15 22 21.0?	60.75	N	5.07	E	0	G		0.2	4		SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion.
	16	15 31 46.6*	18.757	S	174.735	W	33	N	4.7	1.3	23		TONGA ISLANDS
	16	17 45 05.8*	56.185	N	111.807	E	33	N	4.2	1.0	9		LAKE BAIKAL REGION
	16	18.50 55.1*	33.375	S	69.990	W	128	?		0.3	12		CHILE-ARGENTINA BORDER REGION
	16	19 27 21.2*	3.052	S	138.840	E	33	N	4.3	1.5	5		WEST IRIAN
a	16	19 29 03.1	29.355	N	142.024	E	12		5.4 5.2	1.0	181		SOUTH OF HONSHU, JAPAN. Ms 5.6 (BRK).
	16	21 43 37.3	2.737	S	138.161	E	33	N	5.0	1.1	29		WEST IRIAN
	16	22 30 34.5	12.688	N	143.528	E	89		5.0	0.8	60		SOUTH OF MARIANA ISLANDS
	16	23 56 47.7&	37.589	N	118.846	W	8				9		CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.2 (REN). ML 3.2 (PAS).
a	17	00 58 15.3	26.902	S	167.475	E	33	N	5.6 5.3	1.2	78		NEW CALEDONIA REGION
	17	01 49 09.5	44.488	N	7.306	E	10	G		0.5	14		NORTHERN ITALY. ML 2.5 (GEN), 2.2 (LDG).
	17	04 18 06.9	49.886	N	78.926	E	0	G	5.9 4.5	0.9	440		EASTERN KAZAKH SSR
	17	05 11 21.2&	60.095	N	152.840	W	106				22		SOUTHERN ALASKA. <AGS-P>.
	17	05 58 12.2*	23.628	S	66.898	W	279	?		1.0	8		JUJUY PROVINCE, ARGENTINA
	17	09 03 20.3&	62.227	N	149.353	W	40				29		CENTRAL ALASKA. <AGS-P>.
	17	10 18 24.0	44.810	N	7.204	E	10	G		0.8	6		NORTHERN ITALY. ML 2.4 (GEN).
a	17	13 30 57.1	1.931	S	138.914	E	40	*	5.4 4.7	1.2	53		NEAR N. COAST OF WEST IRIAN
	17	14 59 48.4?	59.87	S	25.78	W	33	N	4.8	1.4	10		SOUTH SANDWICH ISLANDS REGION
	17	16 50 18.1	40.669	N	22.409	E	9		4.0	1.0	39		GREECE. ML 4.1 (SKO), 3.8 (THE). MD 3.9 (ATH). Felt in northern Greece.
	17	18 24 03.2	34.980	N	24.015	E	28	*	4.5	1.4	97		CRETE. MD 4.2 (ATH).
	17	18 43 08.3	34.870	N	24.217	E	20	*	4.6	1.3	27		CRETE. MD 4.0 (ATH).
	17	18 57 00.0*	37.480	N	36.244	E	10	G		0.6	7		TURKEY
	17	20 21 37.6	36.035	S	177.813	E	235		5.1	1.1	55		OFF E. COAST OF N. ISLAND, N.Z.
	17	21 20 46.1	43.670	N	20.461	E	10	G		1.0	8		YUGOSLAVIA. MD 2.7 (TTG).
	17	23 28 41.7*	8.178	N	58.647	E	10	G	4.7	1.4	15		CARLSBERG RIDGE
	17	23 46 16.7&	33.690	N	118.140	W	12				12		SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt at Seal Beach, Lakewood and Long Beach.
	17	23 58 42.4*	16.944	N	62.362	W	31	*		1.4	8		LEEWARD ISLANDS. ML 3.1 (FDF).
	18	04 24 46.9*	38.790	N	29.998	E	10	G		1.0	5		TURKEY
	18	04 43 10.7&	39.696	N	110.743	W	3				7		UTAH. <SLC-P>. ML 2.5 (SLC).
	18	07 30 39.4	10.440	S	123.733	E	32	*	4.7	1.5	32		TIMOR
	18	07 48 04.2*	55.907	N	162.711	E	33	N	4.6	0.7	10		NEAR EAST COAST OF KAMCHATKA
	18	08 58 53.4	25.395	S	69.244	W	96		4.9	1.2	57		NORTHERN CHILE
	18	09 10 17.7%	45.116	N	6.953	E	10	G		0.2	5		FRANCE. ML 2.2 (GEN).
	18	09 37 52.6&	37.537	N	121.690	W	6				11		CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	18	10 38 33.5	10.794	S	164.610	E	33	N	5.0 4.5	1.0	45		SANTA CRUZ ISLANDS REGION
	18	11 26 06.6?	17.16	S	178.67	W	548	?	4.8	0.3	11		FIJI ISLANDS REGION
	18	12 27 10.5	43.774	N	10.823	E	10	G		1.1	11		CENTRAL ITALY. ML 3.1 (LDG).
	18	12 34 29.8	44.560	N	6.831	E	10	G		0.2	8		FRANCE. ML 2.3 (GEN).
	18	12 47 27.2%	45.182	N	7.738	E	10	G		0.8	8		NORTHERN ITALY. ML 2.2 (GEN).
	18	12 57 29.0*	10.776	S	164.704	E	33	N	5.1 4.5	1.1	27		SANTA CRUZ ISLANDS REGION
	18	13 14 32.6&	59.851	N	153.645	W	137				30		SOUTHERN ALASKA. <AGS-P>.
	18	13 52 26.5*	29.698	S	68.633	W	122	*	4.4	1.4	19		SAN JUAN PROVINCE, ARGENTINA
	18	14 46 11.4	16.998	N	62.286	W	20	*		0.3	9		LEEWARD ISLANDS. ML 3.1 (FDF).
	18	14 55 58.1	17.956	S	178.020	W	533	*	5.4	1.0	83		FIJI ISLANDS REGION
	18	16 05 04.5*	1.293	N	126.275	E	88	*	4.6	0.6	10		MOLUCCA PASSAGE
	18	16 45 42.8	42.111	N	19.517	E	10	G		0.7	7		YUGOSLAVIA. MD 2.2 (TTG).
a	18	19 21 51.6	46.834	N	153.859	E	33	N	5.4 5.3	1.0	224		KURIL ISLANDS
	18	19 59 22.7?	39.92	N	30.46	E	10	G		0.7	6		TURKEY
	18	21 35 05.6&	6.989	N	82.937	W	33	N			7		SOUTH OF PANAMA. <HDC>. MD 4.1 (HDC).
	18	21 51 42.5	39.710	N	120.857	W	5	G		0.5	7		NORTHERN CALIFORNIA. ML 2.6 (BRK).
	18	23 21 25.9?	47.50	N	153.11	E	33	N	4.6	1.3	12		KURIL ISLANDS
	19	00 42 03.9*	56.521	N	152.414	W	33	N	4.3	1.6	9		KODIAK ISLAND REGION. ML 3.3 (PMR).
	19	00 42 20.1*	16.832	N	120.296	E	83	*	4.6	0.8	13		LUZON, PHILIPPINE ISLANDS
	19	01 07 57.2?	17.50	N	61.40	W	33	N		0.6	5		LEEWARD ISLANDS. ML 2.9 (FDF).
	19	02 22 11.6	37.654	N	15.135	E	10	G		0.8	8		SICILY
a	19	02 26 54.3	46.694	N	153.893	E	33	N	5.2 4.5	1.0	145		KURIL ISLANDS
	19	02 28 51.9	46.867	N	153.951	E	33	N	5.2 5.0	1.0	77		KURIL ISLANDS
	19	03 33 19.4*	8.100	S	107.838	E	78	*	4.7	1.2	18		JAVA
	19	03 45 16.6%	35.414	N	140.364	E	32			0.9	11		NEAR EAST COAST OF HONSHU, JAPAN
	19	04 13 02.4%	40.477	N	22.535	E	10	G		0.7	5		GREECE. ML 2.1 (THE).
	19	04 35 26.6	40.485	N	22.547	E	10	G		0.3	8		GREECE. ML 2.3 (THE).
	19	04 44 05.4*	35.399	N	46.047	E	33	N	4.7	1.1	7		IRAN-IRAQ BORDER REGION
	19	04 56 48.2?	47.44	N	153.35	E	33	N	4.8	0.2	9		KURIL ISLANDS
a	19	05 18 53.2*	10.739	S	164.392	E	74	?	4.7	1.5	41		SANTA CRUZ ISLANDS REGION
	19	05 45 40.9%	40.382	N	28.624	E	10	G		0.8	6		TURKEY
	19	05 46 29.0?	37.99	N	1.99	W	10	G		0.8	4		SPAIN. MG 2.8 (MDD).
	19	05 53 51.6%	40.811	N	28.339	E	10	G		0.9	5		TURKEY
	19	06 05 30.5	43.239	N	0.601	W	10	G		1.1	30		PYRENEES. ML 3.7 (LDG). Felt (IV) at Arette, Esquiule and Tardets-Sorholus, France. Felt in the Accous-Bidarray-Pau area, France.
a	19	06 35 41.3	10.830	S	164.507	E	60	*	5.3 5.2	1.3	88		SANTA CRUZ ISLANDS REGION. Ms 5.1 (BRK).
	19	06 49 59.7*	10.921	S	164.448	E	33	N	4.8	1.2	24		SANTA CRUZ ISLANDS REGION
	19	07 06 06.8?	5.00	S	151.33	E	170	?		0.7	8		NEW BRITAIN REGION
	19	08 48 56.6*	24.653	S	70.948	W	33	N		1.0	6		NEAR COAST OF NORTHERN CHILE
	19	09 35 04.3*	5.028	S	154.441	E	167	*	4.3	0.7	14		SOLOMON ISLANDS
	19	09 54 54.9%	40.658	N	22.380	E	10	G		0.3	6		GREECE. ML 2.1 (THE).
	19	10 02 43.6%	40.670	N	22.395	E	10	G		0.4	6		GREECE. ML 2.1 (THE).
	19	10 17 25.7?	29.86	S	177.04	W	33	N	4.7	1.3	15		KERMADEC ISLANDS
	19	11 06 57.5	23.360	N	99.514	E	33	N	5.0 4.9	1.3	83		BURMA-CHINA BORDER REGION

	19	11	29	08.4%	40.747	N	23.058	E	10	G		0.2	6	GREECE. ML 2.0 (THE).
	19	11	30	48.5?	43.60	N	129.62	W	10	G	4.3	1.6	9	OFF COAST OF OREGON
	19	11	51	20.1*	39.768	N	25.951	E	10	G		1.1	8	AEGEAN SEA
	19	12	10	06.0*	5.039	S	144.532	E	113	*	4.7	1.5	11	PAPUA NEW GUINEA
	19	12	13	42.2*	38.698	N	99.722	E	10	G	3.9	1.3	5	QINGHAI PROVINCE, CHINA. ML 3.9 (BJI).
	19	12	21	07.9%	60.285	N	5.394	E	10	G		0.5	8	SOUTHERN NORWAY. MD 1.9 (BER).
	19	14	00	09.8?	35.88	N	31.31	E	10	G		0.9	5	CYPRUS
	19	14	01	47.2	23.459	N	99.462	E	17	*	4.6	1.1	15	BURMA-CHINA BORDER REGION
	19	14	37	35.3	43.876	N	128.301	W	10	G	4.5 5.0	0.7	53	OFF COAST OF OREGON
	19	14	38	37.2%	18.209	N	66.990	W	33	N		1.0	5	PUERTO RICO REGION
	19	14	50	36.3*	16.601	S	167.765	E	197	*	4.8	1.2	20	VANUATU ISLANDS
	19	15	07	24.1%	43.427	N	5.472	E	10	G		0.4	6	NEAR SOUTH COAST OF FRANCE. MD 2.4 (STR).
	19	15	39	24.3*	36.347	N	78.456	E	33	N	4.7	0.8	8	KASHMIR-XINJIANG BORDER REGION
	19	15	48	20.4*	17.000	N	62.279	W	10	G		0.6	5	LEEWARD ISLANDS. ML 2.7 (FDF).
	19	16	56	31.1	40.861	N	19.779	E	10	G		1.0	16	ALBANIA. MD 3.2 (ATH), 2.8 (TTG).
	19	17	25	49.0	36.882	N	21.372	E	32	*	4.0	1.3	26	SOUTHERN GREECE. ML 3.4 (ATH).
	19	18	01	24.9	17.465	N	62.005	W	10	G		0.7	7	LEEWARD ISLANDS. ML 3.0 (FDF).
	19	18	59	46.0*	8.702	S	106.003	E	37	*	4.8 4.3	1.2	33	SOUTH OF JAVA
	19	19	43	54.8?	7.09	N	76.78	W	33	N		1.1	7	NORTHERN COLOMBIA
	19	20	11	40.6&	47.571	N	122.398	W	8				42	WASHINGTON. <SEA>. ML 2.8 (SEA).
	19	20	39	34.9?	36.13	N	32.23	E	10	G		0.8	7	TURKEY
	19	21	22	46.4	43.403	N	5.418	E	10	G		0.8	15	NEAR SOUTH COAST OF FRANCE. MD 2.8 (STR).
	19	21	24	37.1&	62.484	N	151.192	W	91				21	CENTRAL ALASKA. <AGS-P>.
	19	22	54	46.7*	32.319	S	69.941	W	142	?		0.4	11	MENDOZA PROVINCE, ARGENTINA
	19	23	18	43.5	42.482	N	4.429	E	26			1.0	59	WESTERN MEDITERRANEAN SEA. ML 3.6 (LDG). MD 3.4 (STR).
	20	00	06	31.2*	42.374	N	145.135	E	47	*	4.5	1.0	15	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Kushiro.
	20	00	10	42.3*	17.126	N	102.323	W	33	N	4.3	0.8	18	NEAR COAST OF MICHOACAN, MEXICO
	20	01	57	41.5*	23.823	S	71.008	W	33	N		0.6	7	OFF COAST OF NORTHERN CHILE. Felt (II) in the Antofagasta area.
	20	02	45	21.4*	24.558	S	179.986	E	525	?	5.1	1.0	37	SOUTH OF FIJI ISLANDS
a	20	03	35	17.8	1.868	N	97.129	E	37		5.5 5.0	1.1	211	NORTHERN SUMATERA
	20	04	40	35.7	43.102	N	12.938	E	10	G		1.2	6	CENTRAL ITALY. MD 2.6 (SSO).
	20	08	18	40.5*	9.406	N	93.423	E	96	?	4.6	0.3	9	NICOBAR ISLANDS REGION
	20	08	48	16.4*	20.235	S	177.944	W	354	*	4.9	1.1	60	FIJI ISLANDS REGION
	20	09	38	27.9	39.330	N	28.123	E	10	G		1.1	12	TURKEY
	20	09	45	30.0%	40.937	N	28.079	E	10	G		0.7	5	TURKEY
	20	09	45	43.6	27.624	N	91.154	E	34	*	5.0	1.0	57	BHUTAN
	20	10	09	31.1%	40.934	N	28.059	E	10	G		0.9	6	TURKEY
	20	10	18	37.6	43.935	N	146.132	E	114		5.3	1.0	242	KURIL ISLANDS. Felt (III JMA) at Nemuro and (II JMA) at Kushiro, Hokkaido.
	20	10	38	41.7	40.877	N	28.096	E	10	G		1.3	7	TURKEY
	20	10	41	40.9%	39.423	N	28.156	E	10	G		0.5	6	TURKEY
	20	11	04	59.3?	51.31	N	176.25	W	33	N	4.1	0.1	4	ANDREANOF ISLANDS, ALEUTIAN IS.
	20	13	42	03.0*	33.914	N	135.613	E	73	*		1.4	13	NEAR S. COAST OF SOUTHERN HONSHU. MG 3.7 (JMA). Felt (I JMA) at Nara and Owase.
	20	13	53	31.4?	50.47	S	163.15	E	10	G	4.8	1.5	15	AUCKLAND ISLANDS REGION
	20	14	07	25.4%	40.964	N	28.143	E	12	*		1.2	6	TURKEY
	20	14	17	08.8	19.648	S	68.917	W	111	D	5.0	1.2	48	CHILE-BOLIVIA BORDER REGION
a	20	14	27	59.9	27.914	S	176.613	W	36	D	5.3 5.2	1 1	117	KERMADEC ISLANDS REGION. Ms 5.5 (BRK).
	20	14	53	36.1*	29.629	N	51.764	E	46	*	4.6	1.4	16	SOUTHERN IRAN
	20	14	58	24.7	31.707	S	117.107	E	10	G		0.7	7	WESTERN AUSTRALIA
	20	15	11	44.2?	54.12	N	162.91	W	33	N		0.4	9	ALASKA PENINSULA
	20	17	14	32.4*	7.394	S	128.358	E	127	?	4.8	1.0	13	BANDA SEA
	20	20	04	45.0?	22.01	S	179.40	W	574	?	4.8	1.1	27	SOUTH OF FIJI ISLANDS
a	20	20	24	24.0	10.787	S	164.673	E	36	*	5.4 4.8	1.0	78	SANTA CRUZ ISLANDS REGION
	20	21	12	15.2?	40.86	N	30.20	E	10	G		1.1	6	TURKEY
	20	21	26	29.0*	45.674	N	27.027	E	10	G		1.6	5	ROMANIA
	20	21	43	53.2*	38.073	N	20.938	E	10	G		0.3	5	GREECE. ML 3.5 (ATH).
	20	22	25	27.4*	54.597	N	161.461	W	33	N		0.2	10	ALASKA PENINSULA
	20	22	47	18.3%	36.515	N	5.633	W	10	G		1.5	11	STRAIT OF GIBRALTAR
	20	23	06	44.9	37.778	N	20.946	E	31			0.9	18	IONIAN SEA. ML 3.6 (ATH).
	21	00	22	34.7?	32.14	N	35.43	E	10	G		0.5	6	DEAD SEA REGION
	21	00	24	38.3?	32.13	N	35.08	E	10	G		1.1	5	DEAD SEA REGION
a	21	02	37	12.4	51.778	N	175.445	E	33	N	5.0 4.6	1.1	95	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR).
	21	02	37	15.4*	10.896	N	86.966	W	105	?	4.6	1.3	30	OFF COAST OF COSTA RICA. MD 4.3 (HDC).
	21	02	59	28.0*	5.997	S	128.715	E	320	*	4.6	1.0	10	BANDA SEA
	21	03	17	59.7*	38.409	N	30.663	E	10	G		0.7	6	TURKEY
	21	03	54	48.5	47.694	N	22.434	E	11			0.9	10	ROMANIA
	21	03	57	53.9?	30.86	N	131.16	E	56	*	4.2	0.6	7	KYUSHU, JAPAN
	21	04	09	17.2?	51.36	N	158.63	E	33	N	4.9	0.9	45	NEAR EAST COAST OF KAMCHATKA
	21	04	34	28.3	46.431	N	12.570	E	4			0.9	28	NORTHERN ITALY. ML 3.5 (LDG), 3.3 (GRF), 3.2 (VKA). MD 3.1 (TRI). Felt (IV) at Farni di Sopra.
	21	04	34	57.1?	51.59	N	158.57	E	33	N	4.7 4.7	1.1	29	NEAR EAST COAST OF KAMCHATKA
	21	05	18	37.4*	24.369	S	65.450	W	309	*		0.7	11	SALTA PROVINCE, ARGENTINA
	21	06	27	41.9?	30.14	N	50.59	E	33	N	4.5	1.3	4	IRAN. Felt at Gachsaran.
	21	07	48	53.1	57.714	N	152.332	W	33	N	4.2	0.8	47	KODIAK ISLAND REGION. ML 4.3 (PMR). Felt (IV) at Chiniak, Kodiak and Port Lions.
	21	08	20	58.6	10.846	N	125.493	E	103	*	5.1	1.1	82	LEYTE, PHILIPPINE ISLANDS
	21	08	21	03.7	41.220	N	72.298	E	33	N	5.4 4.8	0.9	190	KIRGHIZ SSR. Slight damage (VI) at Shamaldy-Say. Felt (V) at Mayli-Say, Tash-Kumyr, Namangan and Uch-Korgon; (IV) at Fergana, Karakul and Osh; (III) at Leninabad; (II) at Dzhirgatal, Dushanbe and Tashkent.
	21	08	43	05.9?	19.05	N	66.29	W	33	N		0.7	6	PUERTO RICO REGION
	21	08	57	38.0	19.384	N	66.404	W	44	*	4.6 4.4	1.1	53	PUERTO RICO REGION. Felt in northern Puerta Rico.
	21	09	18	08.6%	39.575	N	29.911	E	10	G		0.5	5	TURKEY
	21	09	28	19.9	40.354	N	28.567	E	10	G		1.2	10	TURKEY
	21	09	30	45.2	32.397	S	70.047	W	115	*		1.2	20	CHILE-ARGENTINA BORDER REGION
	21	10	25	45.5*	7.488	S	155.656	E	33	N		0.5	5	SOLOMON ISLANDS
	21	10	33	57.8*	33.092	S	70.880	W	18	*		1.3	7	CHILE-ARGENTINA BORDER REGION
	21	10	53	30.5	42.018	N	142.446	E	73		5.3	0.9	186	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Urakawa; (II JMA) at Hiroo, Obihiro, Muroran and Tomakomai; (I JMA) at Hakodate, Kushiro and Sapporo. Also felt (II JMA) at Hachinohe, Honshu.

	21	11 58 41.9	35.356	N	27.433	E	41		4.8	4.2	1.2	188	DODECANESE ISLANDS. MD 4.7 (ATH).
	21	13 09 17.0	21.572	N	94.648	W	33	N	4.5		1.3	20	GULF OF MEXICO
	21	13 11 03.3?	31.80	S	71.60	W	33	N			0.4	9	NEAR COAST OF CENTRAL CHILE
	21	13 23 34.5*	26.008	N	95.710	E	139	?			0.2	8	BURMA-INDIA BORDER REGION
	21	14 29 22.1	43.086	N	13.346	E	10	G			0.8	6	CENTRAL ITALY. MD 2.4 (SSO).
	21	14 31 54.8%	60.680	N	5.566	E	0	G			0.4	5	SOUTHERN NORWAY. MD 2.1 (BER). Probable explosion.
	21	14 42 39.2*	8.824	S	118.541	E	129	?	4.2		0.9	8	SUMBAWA ISLAND REGION
	21	14 50 47.4&	61.031	N	151.448	W	71					27	SOUTHERN ALASKA. <AGS-P>.
	21	15 16 14.8?	33.81	S	72.26	W	23	*			0.7	8	OFF COAST OF CENTRAL CHILE
	21	15 20 15.0	31.216	S	68.848	W	108	*			0.7	12	SAN JUAN PROVINCE, ARGENTINA
	21	15 34 30.5?	43.51	N	6.28	E	10	G			0.8	7	NEAR SOUTH COAST OF FRANCE
	21	15 58 22.6?	34.62	S	72.07	W	10	G			0.6	8	NEAR COAST OF CENTRAL CHILE
	21	16 37 56.8*	7.047	N	73.198	W	175		4.2		0.6	9	NORTHERN COLOMBIA
	21	16 53 59.8*	23.559	S	66.719	W	238	*			0.9	6	JUJUY PROVINCE, ARGENTINA
	21	18 54 36.6%	36.506	N	5.647	W	10	G			1.4	6	STRAIT OF GIBRALTAR
	21	19 28 42.1	43.531	N	145.645	E	122		4.8		0.9	44	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Kushiro and (I JMA) at Nemuro.
	21	19 43 04.7%	11.269	N	61.700	W	10	G			0.4	5	WINDWARD ISLANDS
	21	21 07 06.7?	21.11	S	177.93	W	553	?	4.4		0.7	12	FIJI ISLANDS REGION
	21	21 09 37.3?	7.43	S	121.68	E	33	N	3.6		0.9	5	FLORES SEA
	21	21 13 52.7?	34.15	N	135.23	E	10	G			0.2	4	NEAR S. COAST OF SOUTHERN HONSHU. Felt (I JMA) at Wakayama.
	21	22 53 27.2*	16.696	S	174.086	W	110	D	4.8		0.9	40	TONGA ISLANDS
	21	23 42 49.2	34.717	N	25.525	E	10	G			1.3	17	CRETE. MD 4.3 (ATH).
	21	23 53 18.6	60.167	N	139.204	W	5	G			0.9	24	SOUTHEASTERN ALASKA. ML 4.0 (PGC), 3.2 (NEIS).
	22	00 09 48.9*	34.785	N	25.636	E	10	G			1.2	7	CRETE. MD 4.0 (ATH).
	22	01 44 13.4	49.567	N	156.239	E	33	N	5.3	4.5	0.7	197	KURIL ISLANDS. Felt (II) at Severo-Kurilsk.
	22	01 44 16.2*	21.382	S	67.560	W	33	N			1.1	6	CHILE-BOLIVIA BORDER REGION
	22	02 01 06.8*	33.116	N	115.655	W	5	G			0.7	5	SOUTHERN CALIFORNIA
	22	02 03 59.5&	33.190	N	115.590	W	1					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	22	02 04 51.9*	6.728	S	156.427	E	74	?	4.5		1.1	12	SOLOMON ISLANDS
	22	02 06 55.4*	32.988	N	115.687	W	5	G			1.4	5	CALIFORNIA-MEXICO BORDER REGION
	22	02 26 41.4?	29.70	S	179.02	W	201	?			1.2	11	KERMADEC ISLANDS REGION
	22	03 08 06.7*	25.435	N	124.237	E	198	?	4.3		1.0	12	NORTHEAST OF TAIWAN
	22	03 49 46.8	23.255	N	99.370	E	10	G	5.0		1.1	9	BURMA-CHINA BORDER REGION. ML 4.5 (BJI).
	22	04 03 36.7	43.312	N	13.764	E	15				1.3	33	CENTRAL ITALY. ML 3.2 (KBA). MD 3.5 (TRI).
	22	06 00 55.7&	62.064	N	124.215	W	10	G	4.8	4.2		80	NORTHWEST TERRITORIES, CANADA. <PGC-P>.
	22	06 01 36.0	9.480	S	154.376	E	33	N	4.5	4.2	1.5	20	DENTRECASTEAUX ISLANDS REGION
	22	06 34 09.7*	9.294	N	93.096	E	175	?	4.4		0.9	9	NICOBAR ISLANDS REGION
	22	07 34 39.3	9.321	S	108.046	E	37	*	4.8	4.4	0.8	35	SOUTH OF JAVA
	22	08 15 56.0	59.504	S	26.004	W	33	N	4.9	4.9	1.1	52	SOUTH SANDWICH ISLANDS REGION
	22	09 02 55.5%	44.253	N	7.430	E	10	G			0.4	6	NORTHERN ITALY. ML 2.1 (GEN).
	22	09 41 54.7	35.142	N	137.119	E	50				0.6	22	HONSHU, JAPAN. MG 4.4 (JMA). Felt (III JMA) at Nagoya; (II JMA) at Gifu and Tsuruga; (I JMA) at Iida and Ajiro.
	22	09 56 50.5	38.398	N	21.852	E	37		4.6		1.5	132	GREECE. ML 4.5 (ATH).
a	22	10 42 12.4	53.983	N	166.244	W	76	D	5.4		0.9	252	FOX ISLANDS, ALEUTIAN ISLANDS. Felt (IV) at Dutch Harbor and Unalaska.
	22	12 03 41.2?	37.85	S	72.67	W	33	N	4.2		0.8	10	CENTRAL CHILE
	22	12 23 43.9	26.907	S	26.637	E	5	G	4.6		1.3	9	REPUBLIC OF SOUTH AFRICA
	22	13 40 09.7*	35.499	N	140.511	E	33	N	4.2		0.9	9	NEAR EAST COAST OF HONSHU, JAPAN
	22	14 12 02.5&	59.696	N	153.929	W	0					15	SOUTHERN ALASKA. <AGS-P>.
	22	14 23 25.2*	16.036	S	174.061	W	102	D	5.1		0.9	35	TONGA ISLANDS
	22	14 48 43.2	31.168	N	130.373	E	165		4.9		0.8	112	KYUSHU, JAPAN
a	22	14 49 51.2*	13.238	S	111.247	W	10	G	4.8	5.4	1.2	27	NORTHERN EASTER I. CORDILLERA
	22	15 30 11.8	36.750	N	23.197	E	129	*			1.1	20	SOUTHERN GREECE. MD 3.4 (ATH).
	22	15 53 02.3	37.183	N	116.192	W	5	G			0.3	16	SOUTHERN NEVADA. ML 2.8 (NEIS). Felt at the Nevada Test Site.
	22	16 02 29.6?	26.20	N	95.83	E	33	N			0.4	6	BURMA-INDIA BORDER REGION
	22	16 43 17.9?	38.22	S	71.73	W	33	N	4.7		1.2	13	S. CHILE-ARGENTINA BORDER REGION
	22	17 14 20.8?	13.15	S	110.76	W	10	G	4.7		1.6	17	NORTHERN EASTER I. CORDILLERA
	22	17 16 09.9*	32.027	S	70.706	W	109	?			0.7	13	CHILE-ARGENTINA BORDER REGION
	22	17 27 09.3	12.982	N	87.244	W	179				0.7	26	NEAR COAST OF NICARAGUA
	22	18 54 05.8	33.452	N	100.489	E	33	N	4.0		1.1	7	QINGHAI PROVINCE, CHINA
	22	20 19 01.8?	51.76	N	16.48	E	10	G			0.7	6	POLAND. ML 3.4 (VKA), 3.3 (KBA).
	22	20 27 57.3*	40.040	N	21.920	E	10	G			0.6	5	GREECE. MD 3.1 (ATH).
	22	20 32 59.5	37.596	N	32.169	E	8		4.3		1.2	26	TURKEY. Felt at Konya.
	22	21 49 14.6	8.332	S	118.148	E	33	N	4.0		1.1	10	SUMBAWA ISLAND REGION
	22	22 21 14.4&	36.203	N	120.350	W	11					25	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt (III) at Coalinga.
	22	22 39 06.3&	62.310	N	151.057	W	66					24	CENTRAL ALASKA. <AGS-P>.
	22	22 39 15.5?	26.79	S	176.71	W	168	*	4.8		1.5	18	SOUTH OF FIJI ISLANDS
	22	23 32 07.4?	7.87	S	129.18	E	228	?	4.5		0.1	9	BANDA SEA
	23	03 00 40.4	43.475	N	144.293	E	24		4.6		1.1	49	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Aboshiri and Kushiro and (I JMA) at Obihiro.
	23	03 07 07.4	21.570	N	143.025	E	327	*	4.6		0.8	45	MARIANA ISLANDS REGION
	23	03 15 53.5*	19.459	S	70.056	W	81	?	4.7		0.4	6	NEAR COAST OF NORTHERN CHILE
	23	04 24 44.7*	21.921	S	127.186	E	10	G			0.8	5	WESTERN AUSTRALIA
a	23	04 30 07.0	10.782	S	164.769	E	43	D	5.2	5.3	1.1	92	SANTA CRUZ ISLANDS REGION
	23	05 21 14.1	42.131	N	25.158	E	10	G			1.2	18	BULGARIA
	23	07 17 12.3%	34.015	N	135.323	E	10	G			0.7	5	NEAR S. COAST OF SOUTHERN HONSHU. MG 3.2 (JMA). Felt (I JMA) at Wakayama.
	23	07 23 27.3	43.175	N	26.045	E	10	G			1.2	9	BULGARIA
	23	07 45 16.5	35.799	N	23.901	E	35		4.4		1.0	119	CRETE. ML 4.1 (ATH).
	23	10 00 52.2%	37.693	N	14.987	E	10	G			0.7	7	SICILY. ML 2.2 (ROM).
	23	10 44 33.8?	3.46	S	136.52	E	77	?	4.6		0.9	8	WEST IRIAN
	23	11 42 42.5?	6.59	S	146.36	E	108	*	4.2		1.1	7	EAST PAPUA NEW GUINEA REGION
	23	12 32 15.7	42.533	N	13.268	E	10	G			0.8	9	CENTRAL ITALY
	23	12 42 13.6?	36.17	N	141.21	E	31	*			1.2	9	NEAR EAST COAST OF HONSHU, JAPAN. MG 3.7 (JMA). Felt (I JMA) at Mito.
	23	12 45 23.6?	34.29	S	71.22	W	33	N			1.3	5	NEAR COAST OF CENTRAL CHILE
	23	13 03 18.2*	33.257	S	68.890	W	10	G			0.7	9	MENDOZA PROVINCE, ARGENTINA
	23	13 14 42.4*	33.393	S	68.777	W	10	G			1.3	12	MENDOZA PROVINCE, ARGENTINA

	23	13	39	47.4%	39.150	N	27.624	E	10	G		0.5	5	TURKEY
	23	13	50	08.2*	43.888	N	149.407	E	33	N	4.8	1.1	40	KURIL ISLANDS REGION
	23	14	18	39.1?	23.83	N	88.93	E	33	N		0.6	7	INDIA-BANGLADESH BORDER REGION
	23	14	20	35.6*	6.958	N	73.163	W	153	*		1.3	11	NORTHERN COLOMBIA
	23	16	52	46.4?	34.70	S	71.70	W	120	?		0.9	8	NEAR COAST OF CENTRAL CHILE
	23	17	13	55.0	6.466	S	147.053	E	96		5.0	0.8	27	EAST PAPUA NEW GUINEA REGION
	23	17	17	26.4?	43.06	N	7.89	E	10	G		0.0	4	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG).
	23	18	00	46.6	20.504	S	178.328	W	530	*	4.8	0.9	52	FIJI ISLANDS REGION
	23	18	38	11.5?	39.49	N	140.89	E	10	G		0.8	4	HONSHU, JAPAN. Felt (I JMA) at Miyaka.
	23	19	19	11.2%	30.217	N	108.103	E	33	N		0.2	5	SICHUAN PROVINCE, CHINA. ML 3.7 (BJI).
	23	19	31	17.0*	43.939	N	149.336	E	48	D	4.8	1.1	28	KURIL ISLANDS REGION
	23	20	52	19.4&	31.860	N	115.830	W	6	G			4	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	23	21	21	28.6	43.628	N	13.470	E	13			1.4	14	CENTRAL ITALY. MD 3.2 (TRI), 3.1 (SSO). ML 2.7 (KBA).
a	23	21	49	08.9	0.769	N	29.410	W	10	G	5.8 5.5	0.9	278	CENTRAL MID-ATLANTIC RIDGE. Depth from broadband displacement seismograms.
	23	22	33	33.8&	19.302	N	155.223	W	11				43	HAWAII. <HVO-P>. MD 4.2 (HVO). Felt (III) at Volcano and (II) at Hila.
	23	23	18	13.3&	36.880	N	121.310	W	5				18	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	24	02	32	47.7&	60.165	N	150.708	W	65				37	KENAI PENINSULA, ALASKA. <AGS-P>.
	24	03	04	37.0	40.563	N	23.694	E	10	G		1.4	13	GREECE. MD 3.0 (ATH).
	24	04	06	53.8*	11.706	S	116.929	E	33	N	4.5	1.1	14	SOUTH OF SUMBAWA ISLAND
	24	04	19	16.7*	19.807	N	122.009	E	33	N	4.3	1.3	15	PHILIPPINE ISLANDS REGION
a	24	04	26	54.5	23.522	S	66.666	W	194		5.7	1.0	310	JUJUY PROVINCE, ARGENTINA. Felt (IV) in the Antafagasta area, Chile.
	24	05	04	20.5*	33.967	N	25.276	E	33	N		1.3	7	EASTERN MEDITERRANEAN SEA. MD 3.7 (ATH).
	24	05	21	35.0	4.960	S	153.399	E	83	*	4.1	0.6	14	NEW IRELAND REGION
	24	05	29	33.4&	40.500	N	123.700	W	29				6	NORTHERN CALIFORNIA. <BRK>. ML 2.8 (BRK).
	24	06	42	37.4*	1.914	S	138.778	E	35	?	4.5	1.1	16	NEAR N. COAST OF WEST IRIAN
	24	07	22	37.9	19.920	N	122.112	E	39	*	4.5	1.3	33	PHILIPPINE ISLANDS REGION
	24	07	54	40.4	19.828	N	122.073	E	60	*	4.5	1.2	46	PHILIPPINE ISLANDS REGION
	24	08	21	08.6*	30.030	S	71.516	W	33	N		1.2	12	NEAR COAST OF CENTRAL CHILE
	24	09	27	41.4*	34.121	N	135.180	E	10	G		1.4	6	NEAR S. COAST OF SOUTHERN HONSHU. MG 3.2 (JMA). Felt at Wakayama.
	24	09	38	43.8*	21.622	S	179.412	W	633	?	4.9	0.8	35	FIJI ISLANDS REGION
	24	09	58	57.9?	30.94	S	68.85	W	113	?		1.2	11	SAN JUAN PROVINCE, ARGENTINA
	24	10	24	25.4*	23.324	N	142.682	E	33	N	4.3	0.9	11	VOLCANO ISLANDS REGION
a	24	10	39	40.3	27.434	S	63.156	W	581		5.5	0.9	275	SANTIAGO DEL ESTERO PROV., ARG.
	24	10	51	01.8?	29.72	N	83.72	E	31	*		1 5	7	NEPAL
	24	11	33	45.8*	38.354	S	71.351	W	33	N	4.6	0.9	19	S. CHILE-ARGENTINA BORDER REGION
	24	12	10	07.2?	37.88	S	72.60	W	33	N	4.2 3.4	1.0	10	CENTRAL CHILE
a	24	13	09	40.5	5.090	S	149.758	E	369	D	5.6	0.9	301	NEW BRITAIN REGION
	24	13	10	00.8	54.776	N	161.413	W	33	N		0.3	12	ALASKA PENINSULA
	24	14	20	59.8*	5.903	S	103.790	E	60	?	4.2	1.0	20	SOUTHERN SUMATERA
	24	14	27	20.8	10.968	S	164.743	E	33	N	4.9	1.2	30	SANTA CRUZ ISLANDS REGION
	24	15	35	11.4	42.262	N	144.668	E	35	*	4.4	1.0	31	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Kushira.
	24	17	32	55.4%	16.759	N	98.973	W	28	*		1.5	6	NEAR COAST OF GUERRERO, MEXICO
	24	17	57	59.1*	7.102	N	72.272	W	51	?	4.6 3.6	0.8	13	NORTHERN COLOMBIA
	24	20	27	54.6?	31.50	S	71.39	W	10	G		1.2	8	NEAR COAST OF CENTRAL CHILE
	24	20	36	07.0	37.593	N	32.146	E	29		4.5	1.2	89	TURKEY. ML 4.3 (CSS). Felt at Konya.
	24	21	10	06.3%	45.492	N	26.533	E	107	?		1.0	7	ROMANIA
	24	21	41	56.8	36.645	N	83.528	E	33	N	4.8 4.4	1.1	67	SOUTHERN XINJIANG, CHINA
	24	22	13	19.3*	37.533	N	32.010	E	10	G		1 4	6	TURKEY. Felt at Konya.
	24	23	08	50.2	41.259	N	23.234	E	10	G		0.9	23	GREECE-BULGARIA BORDER REGION. MD 3.6 (ATH).
	25	01	13	19.1*	38.131	N	20.903	E	10	G		0.7	6	GREECE. MD 3.2 (ATH).
	25	02	52	26.6?	3.97	S	145.85	E	10	G	4.5	0.5	6	NEAR N COAST OF PAPUA NEW GUINEA
	25	03	41	48.2*	22.857	N	99.958	E	33	N		0.3	5	BURMA-CHINA BORDER REGION
	25	03	59	24.5	44.041	N	7.210	E	10	G		0.7	20	NORTHERN ITALY. ML 2 3 (GEN), 2.0 (LDG).
	25	05	11	30.1*	38.385	S	71.472	W	33	N	4.8 3.4	0.9	20	S. CHILE-ARGENTINA BORDER REGION
	25	05	27	57.7	36.020	S	144.187	E	10	G		0.2	6	VICTORIA, AUSTRALIA ML 3.3 (BFD), 3.1 (STK).
	25	07	20	18.4*	54.711	N	161.442	W	33	N		0 6	12	ALASKA PENINSULA
	25	07	52	33.9&	35.118	N	105.957	W	1				14	NEW MEXICO. <SNM>. MD 2.8 (SNM).
	25	09	27	17.9*	43.225	N	13.876	E	10	G		0.8	7	CENTRAL ITALY. MD 2.6 (SSO).
	25	09	48	26.1*	23.245	S	69.332	E	10	G	4.7	0.6	7	MID-INDIAN RISE
	25	09	57	36.7?	5.38	S	131.21	E	33	N	4.0	1.4	6	BANDA SEA
	25	11	10	37.9*	6.225	S	128.645	E	321	*		1.1	12	BANDA SEA
	25	11	32	20.3*	44.732	N	22.126	E	10	G		0 7	5	ROMANIA
	25	12	12	12.9	43.417	N	146.115	E	88		4.4	1.0	49	KURIL ISLANDS. Felt (III JMA) at Nemura and (II JMA) at Kushira, Hokkaido.
	25	13	12	06.3	36.582	N	70.910	E	229	*	4.6	0.9	41	HINDU KUSH REGION
	25	13	56	02.3%	37.144	N	3.531	W	10	G		0.6	11	SPAIN. MG 3.2 (MDD).
	25	14	24	42.5	44.344	N	7.472	E	10	G		0.6	11	NORTHERN ITALY. ML 2.6 (GEN), 2.3 (LDG).
	25	14	41	20.5*	32.353	S	71.599	W	101	?		1.1	11	NEAR COAST OF CENTRAL CHILE
	25	15	57	57.7&	34.189	N	92.702	W	13				20	ARKANSAS. <TEIC>. MD 3.4 (TEIC). mbLg 3.3 (TUL). Felt (IV) at Leola, (III) at Chidester and (II) at Arkadelphia.
	25	17	38	47.0&	59.771	N	152.709	W	80				38	SOUTHERN ALASKA. <AGS-P>.
	25	18	12	55.1	36.768	N	83.405	E	33	N	4.4	1 2	34	SOUTHERN XINJIANG, CHINA
	25	18	27	35.8	44.995	N	9.031	E	23			1 0	88	NORTHERN ITALY. MD 4.2 (TRI). ML 3.9 (GEN), 3.9 (LDG).
	25	18	52	14.2*	7.058	N	72.775	W	108	?	4.4	0.6	23	NORTHERN COLOMBIA
	25	18	52	56.2?	60.82	N	4.78	E	0	G		0.9	4	SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion.
	25	19	16	25.2?	33.78	N	137.74	E	335	?	3.6	0.5	11	NEAR S. COAST OF HONSHU, JAPAN
	25	20	53	01.3?	39.29	N	29.40	E	10	G		0.6	5	TURKEY
	25	22	55	21.0?	37.57	N	14.11	E	10	G		1.4	4	SICILY
	26	01	29	13.0	36.227	N	2.705	E	10	G		1.1	25	ALGERIA. MG 3.6 (MDD).
	26	02	48	46.5	23.409	N	99.486	E	27	?	4.4	1 1	16	BURMA-CHINA BORDER REGION. ML 4.2 (BJI).
	26	03	01	07.8*	7.350	S	128.357	E	125	*	4.6	1.4	18	BANDA SEA
	26	03	33	59.5	37.146	N	71.832	E	154	*	4.3	1 1	32	AFGHANISTAN-USSR BORDER REGION
	26	05	36	19.9*	51.655	N	175.816	W	48	D	4.5	1 3	14	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
	26	06	17	04.9%	40.806	N	27.681	E	10	G		0.6	6	TURKEY
	26	06	27	07.8&	61.511	N	123.836	W	10	G			14	NORTHWEST TERRITORIES, CANADA. <PGC-P>. mbLg 4.0 (PGC).
	26	06	38	58.1*	41.694	N	23.400	E	10	G		1 0	5	GREECE-BULGARIA BORDER REGION. ML 1.7 (SKO).
	26	07	16	48.3*	38.232	N	22.884	E	33	N		1.2	6	GREECE. ML 3.0 (ATH).
	26	07	28	49.6*	67.858	N	156.799	W	33	N		0.5	6	ALASKA. ML 3.3 (PMR).

	26	07	31	32.7&	61.884	N	150.820	W	69				31	SOUTHERN ALASKA. <AGS-P>.
	26	07	46	00.0	39.006	N	99.942	E	10	G	5.1 4.2	1.1	111	GANSU PROVINCE, CHINA. ML 5.0 (BJI). Felt in the Linze-Sunan-Zhangye area.
	26	08	28	05.4%	18.068	N	67.119	W	10	G		0.4	6	MONA PASSAGE
	26	09	07	58.1	13.951	N	91.887	W	55		4.7	1.0	75	NEAR COAST OF GUATEMALA
	26	10	32	38.5&	62.390	N	151.547	W	78				24	CENTRAL ALASKA. <AGS-P>.
	26	11	11	11.0	30.611	N	77.981	E	33	N	4.2	1.0	12	NORTHERN INDIA
	26	11	14	20.5?	32.11	S	71.49	W	10	G		0.7	7	NEAR COAST OF CENTRAL CHILE
	26	11	48	53.2?	45.85	N	7.43	E	10	G		0.7	5	NORTHERN ITALY
	26	12	14	05.9?	53.91	N	161.63	W	33	N		0.6	10	SOUTH OF ALASKA
	26	12	45	38.2?	53.98	N	161.54	W	33	N	4.4	0.8	12	SOUTH OF ALASKA
	26	13	56	43.6?	41.71	S	74.22	W	33	N		1.1	8	OFF COAST OF SOUTHERN CHILE
	26	15	45	36.9%	15.772	N	60.719	W	33	N		0.4	9	LEEWARD ISLANDS. ML 2.5 (FDF).
	26	16	52	12.4	45.261	N	16.447	E	10	G		0.9	15	YUGOSLAVIA. MD 3.5 (TRI). ML 3.2 (ZAG), 3.1 (KBA).
	26	17	38	39.1?	41.53	N	142.16	E	113	?	4.1	0.6	7	HOKKAIDO, JAPAN REGION
	26	17	49	50.8?	39.27	N	26.56	E	10	G		1.3	9	TURKEY. ML 3.7 (ATH).
	26	20	19	59.2*	8.987	S	107.334	E	55	?	4.6	1.5	11	JAVA
	26	20	42	12.6?	51.61	N	16.20	E	10	G		0.5	7	POLAND. ML 3.5 (VKA), 3.1 (KBA).
	26	22	30	28.6%	46.363	N	2.515	E	10	G		0.7	7	FRANCE. ML 1.8 (LDG).
	26	23	32	34.1&	60.130	N	141.147	W	4		4.1		42	SOUTHEASTERN ALASKA. <AGS-P>. ML 4.0 (PMR).
	27	00	44	27.8*	10.233	N	62.537	W	10	G		0.8	16	NEAR COAST OF VENEZUELA
	27	01	21	58.5?	32.09	N	36.01	E	10	G		1.7	5	DEAD SEA REGION
	27	01	34	03.4&	61.052	N	152.706	W	153				36	SOUTHERN ALASKA. <AGS-P>.
	27	01	58	55.8	37.055	N	139.374	E	10	G		0.5	6	HONSHU, JAPAN
	27	02	56	03.8	27.887	N	87.773	E	65	*	4.6	1.3	20	NEPAL
	27	04	05	53.4	19.971	S	68.642	W	152		4.8	1.2	40	CHILE-BOLIVIA BORDER REGION
	27	04	32	10.1	38.704	N	5.495	W	10	G		1.0	10	SPAIN. MG 3.5 (MDD). Felt (III) in the Castuera area.
	27	05	13	38.7&	60.300	N	150.968	W	48				30	KENAI PENINSULA, ALASKA. <AGS-P>.
	27	05	27	42.6%	60.453	N	4.408	E	0	G		1.5	6	SOUTHERN NORWAY. MD 2.0 (BER). Probable explosion.
	27	05	30	40.6?	38.85	N	30.19	E	10	G		1.3	6	TURKEY
	27	08	05	26.6?	43.60	N	6.60	E	10	G		0.4	6	NEAR SOUTH COAST OF FRANCE
	27	09	02	20.0	17.020	N	62.269	W	15			1.2	12	LEEWARD ISLANDS. ML 3.6 (FDF).
	27	09	15	30.9?	38.82	N	14.14	E	10	G		1.1	4	SICILY
	27	10	03	28.9*	17.457	N	62.464	W	33	N		1.1	6	LEEWARD ISLANDS. ML 3.2 (FDF).
	27	10	06	36.7	29.112	S	68.340	W	117	D	5.2	1.1	80	SAN JUAN PROVINCE, ARGENTINA
	27	10	58	29.8	40.678	N	29.858	E	10	G		0.6	6	TURKEY
	27	11	53	12.4	50.500	N	5.631	E	31			0.8	36	BELGIUM. ML 3.9 (LDG), 3.6 (GRF), 3.5 (UCC).
	27	13	05	51.2	0.830	N	29.382	W	10	G	5.3	0.8	116	CENTRAL MID-ATLANTIC RIDGE
	27	13	35	15.2?	40.30	N	125.25	W	10	G		0.4	5	OFF COAST OF NORTHERN CALIFORNIA. ML 2.9 (BRK).
o	27	13	50	41.3	4.796	N	95.214	E	57	D	5.3	0.9	195	NORTHERN SUMATERA
	27	13	52	30.0*	17.087	N	62.193	W	124	?		0.6	14	LEEWARD ISLANDS
	27	14	23	47.8&	59.783	N	152.846	W	93				39	SOUTHERN ALASKA. <AGS-P>.
	27	15	19	00.6	37.301	N	27.664	E	10	G		0.9	7	TURKEY. MD 4.1 (ATH).
	27	15	30	45.2?	65.27	S	177.09	E	10	G	4.8 4.7	1.2	6	BALLENY ISLANDS REGION
	27	15	52	29.1	43.858	N	12.094	E	10	G		0.6	8	CENTRAL ITALY
	27	16	21	16.1*	9.675	S	108.822	E	33	N	4.3	1.4	7	SOUTH OF JAVA
	27	16	56	35.6	17.005	N	62.268	W	10	G		0.4	7	LEEWARD ISLANDS. ML 2.7 (FDF).
	27	17	43	53.8%	43.843	N	12.105	E	10	G		0.5	5	CENTRAL ITALY
	27	18	15	52.3	23.256	N	94.699	E	116		4.9	1.0	127	BURMA-INDIA BORDER REGION
	27	18	23	57.8?	43.77	N	12.07	E	10	G		0.3	4	CENTRAL ITALY
a	27	18	51	48.9	24.007	N	122.803	E	21		5.1 4.4	1.2	88	TAIWAN REGION
	27	19	53	07.6&	62.122	N	124.398	W	10	G			13	NORTHWEST TERRITORIES, CANADA. <PGC-P>.
	27	20	20	47.7	43.030	N	1.348	W	10	G		0.8	21	PYRENEES. ML 3.3 (LDG).
	27	20	46	20.4	15.605	N	92.849	W	10	G	4.4	1.4	18	MEXICO-GUATEMALA BORDER REGION
	27	20	51	07.1&	37.382	N	118.695	W	15				10	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 3.2 (REN).
	27	20	56	42.2&	59.678	N	153.090	W	98				29	SOUTHERN ALASKA. <AGS-P>.
	27	22	08	51.0*	31.746	N	47.508	E	33	N	4.6	0.5	7	IRAN-IRAQ BORDER REGION. Felt at Kharamabad, Iran.
	27	23	14	07.0	36.593	N	83.560	E	33	N	5.0 4.4	1.0	83	SOUTHERN XINJIANG, CHINA
	28	00	29	36.6	26.989	N	96.955	E	22	*	4.6	1.2	54	BURMA
	28	00	30	05.9&	37.383	N	118.695	W	15				14	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 2.9 (REN).
	28	00	42	01.7*	3.254	N	127.174	E	33	N	4.1	0.1	5	TALAUD ISLANDS
	28	00	56	29.4?	42.65	N	13.18	E	10	G		0.4	4	CENTRAL ITALY
	28	00	58	01.6%	44.043	N	12.154	E	10	G		0.5	5	NORTHERN ITALY
	28	01	59	38.1	39.263	N	21.833	E	33	N		1.0	27	GREECE. ML 3.4 (ATH).
	28	02	04	53.0	32.850	N	139.230	E	215		4.9	1.1	113	SOUTH OF HONSHU, JAPAN
	28	02	09	37.0*	6.926	N	73.135	W	160			0.8	11	NORTHERN COLOMBIA
	28	04	00	11.7*	37.961	N	142.709	E	30	*		1.1	12	OFF EAST COAST OF HONSHU, JAPAN
	28	04	43	14.8*	32.817	S	70.224	W	137	?		0.9	10	CHILE-ARGENTINA BORDER REGION
	28	04	47	20.2&	37.386	N	118.696	W	14				14	CALIFORNIA-NEVADA BORDER REGION. <REN>. MD 2.9 (REN).
	28	05	19	31.8	37.969	N	142.580	E	33		4.6	1.2	42	OFF EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Ofunato.
	28	05	31	51.0	41.751	N	28.434	E	10	G		1.0	14	TURKEY
	28	05	53	31.6	12.401	N	124.767	E	33	N	5.0 4.4	1.3	42	SAMAR, PHILIPPINE ISLANDS
	28	06	04	55.2?	54.71	N	161.95	W	33	N		0.3	9	ALASKA PENINSULA
	28	06	21	12.3	39.501	N	0.291	W	10	G		1.3	19	SPAIN. ML 3.4 (LDG). Felt (IV) in the Valencia area.
	28	06	28	44.4	44.514	N	69.342	W	10	G		0.4	8	MAINE. mbLg 3.5 (NEIS). Felt (V) at Clinton, Dixmont, East Vassalboro, Freedom and Lincolnville. Felt (IV) at Albion, Belfast, Bucksport, Burnham, Chino, East Holden, Frankfort, Hampden, Hinckley, Kenduskeag, Levant, North Anson, Oakland, Owls Head, Palermo, Plymouth, Searsmont, Stackton Springs, Thorndike, Unity, Weeks Mills, Windsor and Winterport.
	28	06	57	08.1	39.474	N	0.272	W	10	G		1.0	13	SPAIN. MG 3.2 (MDD). Felt (IV) in the Valencia area.
	28	08	58	53.2	8.214	S	121.169	E	215		5.2	1.2	52	FLORES ISLAND REGION
	28	09	02	08.6	36.099	N	139.922	E	62		4.5	1.0	26	HONSHU, JAPAN. Felt (III JMA) at Utsunomiya; (II JMA) at Maeboshi, Mito and Yokohama; (I JMA) at Kumagaya and Tokyo.
	28	10	49	46.8&	60.112	N	152.199	W	85				25	SOUTHERN ALASKA. <AGS-P>.
	28	13	25	04.1&	60.007	N	152.528	W	89				35	SOUTHERN ALASKA. <AGS-P>.
	28	13	28	18.4	16.168	N	92.536	W	33	N	4.5	1.1	19	CHIAPAS, MEXICO
	28	13	50	12.8*	14.370	N	59.885	W	33	N		0.8	13	WINDWARD ISLANDS. ML 3.0 (FDF).
	28	14	20	25.3%	47.376	N	7.036	E	10	G		0.6	5	SWITZERLAND. ML 2.6 (LDG).
	28	14	59	24.8*	38.304	S	71.280	W	33	N	4.7	0.9	18	S. CHILE-ARGENTINA BORDER REGION

	28	15	07	48.6%	44.248	N	7.327	E	10	G		0.3	6	NORTHERN ITALY. ML 1.9 (GEN).
	28	15	37	46.2?	60.74	N	4.31	E	10	G		1.3	5	SOUTHERN NORWAY. MD 2.2 (BER).
	28	15	55	55.5*	56.158	N	153.573	W	33	N	4.4	1.1	10	KODIAK ISLAND REGION. ML 3.4 (PMR).
	28	16	04	27.8%	35.128	N	135.603	E	10	G		1.2	5	SOUTHERN HONSHU, JAPAN. MG 2.9 (JMA). Felt (I JMA) at Kyoto.
	28	16	18	09.2?	53.77	N	161.60	W	33	N		0.8	10	SOUTH OF ALASKA
	28	16	35	34.6*	65.093	N	149.348	W	33	N		1.5	5	ALASKA
	28	16	36	38.3	21.729	N	121.856	E	33	N	4.6 4.1	1.2	36	TAIWAN REGION
	28	18	32	09.4?	6.18	S	129.27	E	105	?	3.8	0.9	5	BANDA SEA
	28	18	50	11.9*	29.853	S	70.029	W	125	?	4.7	0.8	15	CENTRAL CHILE
	28	19	29	47.4*	2.164	S	133.525	E	33	N	4.5 4.1	0.9	13	WEST IRIAN REGION
	28	19	39	17.0?	15.70	S	167.21	E	144	?	5.1	0.9	8	VANUATU ISLANDS
	28	20	02	13.6&	59.970	N	152.623	W	76				24	SOUTHERN ALASKA. <AGS-P>.
	28	22	58	32.3&	38.825	N	122.787	W	6				12	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	28	23	24	59.2*	47.021	N	148.858	E	33	N	4.7	0.8	8	NORTHWEST OF KURIL ISLANDS
	29	01	48	26.9*	4.677	N	126.025	E	171	*	4.7	0.7	15	TALAUD ISLANDS
	29	02	12	30.6%	37.283	N	1.949	W	10	G		0.4	5	SPAIN
	29	03	33	24.9&	33.180	N	115.590	W	1				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	29	04	41	27.0	27.773	S	72.515	W	33	N		1.1	17	OFF COAST OF NORTHERN CHILE
	29	05	08	25.3	18.688	S	169.207	E	252		5.0	0.9	140	VANUATU ISLANDS
	29	07	21	32.5?	8.90	S	128.96	E	227	?		1.7	5	TIMOR SEA
	29	07	31	02.3*	36.038	N	27.206	E	47	*	4.3	1.3	8	DODECANESE ISLANDS. MD 4.1 (ATH).
	29	08	15	09.3?	45.38	N	23.02	E	32	?		0.6	5	ROMANIA
	29	09	22	00.5*	51.241	N	178.125	E	33	N	4.7	1.2	23	RAT ISLANDS, ALEUTIAN ISLANDS
	29	12	35	42.7	40.354	N	25.798	E	10	G		0.4	7	AEGEAN SEA. MD 3.2 (ATH).
	29	14	09	50.1	33.953	N	139.090	E	10	G	4.8 4.5	1.1	43	SOUTH OF HONSHU, JAPAN
	29	14	22	01.4	15.848	N	60.392	W	31			0.3	14	LEEWARD ISLANDS. ML 3.7 (FDF).
	29	15	09	36.3?	60.95	N	2.17	E	10	G		1.4	7	NORTH SEA. MD 2.4 (BER).
	29	15	29	10.2	17.647	S	69.505	W	169		5.2	1.0	16	PERU-BOLIVIA BORDER REGION
	29	16	09	58.9	16.967	S	177.506	W	356	*	4.4	0.8	46	FIJI ISLANDS REGION
	29	16	50	15.0	45.924	N	14.452	E	10	G		0.8	7	YUGOSLAVIA. MD 3.0 (TRI). ML 2.9 (TRI), 2.8 (ZAG).
	29	17	04	06.6*	35.478	N	141.286	E	11		4.3	1.4	17	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Choshi.
	29	18	01	50.8?	15.99	N	60.76	W	33	N		0.5	5	LEEWARD ISLANDS. ML 2.1 (FDF).
	29	18	16	31.7*	34.651	N	32.281	E	10	G		0.5	7	CYPRUS. ML 3.0 (CSS).
	29	18	18	57.5&	36.902	N	112.943	W	2				11	WESTERN ARIZONA. <SLC-P>. CL 3.3 (SLC).
	29	18	40	54.3%	45.078	N	7.337	E	10	G		0.7	8	NORTHERN ITALY. ML 2.4 (GEN).
	29	19	09	57.4	36.624	N	141.063	E	57		4.9	1.0	98	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Mito and (II JMA) at Choshi, Fukushima, Maebashi, Onahama, Tokyo and Utsunomiya.
a	29	19	30	04.5	46.775	N	153.963	E	33	N	5.2 5.1	1.0	161	KURIL ISLANDS
	29	20	17	19.3?	47.58	N	153.37	E	33	N	4.5	0.5	7	KURIL ISLANDS
	29	21	39	07.2?	61.83	N	8.52	E	10	G		0.6	4	SOUTHERN NORWAY. MD 2.5 (BER).
	29	21	44	38.6*	38.339	N	22.218	E	33	N		1.0	6	GREECE. ML 3.0 (ATH).
	29	22	28	03.6?	33.08	N	139.41	E	33	N		1.3	6	SOUTH OF HONSHU, JAPAN
	29	22	33	36.7	5.474	S	150.206	E	151		5.2	0.8	47	NEW BRITAIN REGION
	29	22	55	21.5*	36.534	N	83.265	E	33	N	4.2	1.4	9	SOUTHERN XINJIANG, CHINA
	29	23	09	37.4&	61.699	N	149.929	W	47		4.2		53	SOUTHERN ALASKA. <AGS-P>. ML 3.8 (PMR). Felt (III) at Anchorage, Skwentna and Wasilla.
	30	00	27	16.2	44.525	N	8.376	E	10	G		0.8	32	NORTHERN ITALY. ML 3.1 (LDG), 3.0 (GEN).
a	30	00	27	49.1	2.890	S	141.514	E	21	D	5.4 5.4	1.0	153	NEAR N COAST OF PAPUA NEW GUINEA. Ms 6.1 (BRK). Damage at Jayapura, Irian Jaya.
	30	01	25	06.1	71 463	N	3.964	W	10	G	4.4	1.2	42	JAN MAYEN ISLAND REGION
	30	01	43	10.1*	35.039	S	70.011	W	150	*	4.6	0.7	14	CHILE-ARGENTINA BORDER REGION
	30	01	47	20.5	44.533	N	8.433	E	10	G		1 1	13	NORTHERN ITALY. ML 2.5 (GEN).
	30	01	52	54.0*	2.880	S	141.533	E	33	N	4.2	1.1	21	NEAR N COAST OF PAPUA NEW GUINEA
	30	02	12	46.9*	1.798	S	133.989	E	33	N	4.7 4.1	1.1	13	WEST IRIAN REGION
	30	03	06	49.9*	12.166	N	87.965	W	48	*	4.3	1.1	20	NEAR COAST OF NICARAGUA
	30	03	40	40.0	41.917	N	20.100	E	10	G		0.6	12	ALBANIA. MD 3.1 (TTG).
	30	05	08	07.6*	34.084	N	138.874	E	28		5.2	1.3	17	NEAR S. COAST OF HONSHU, JAPAN
	30	05	58	46.1*	32.382	S	72.190	W	10	G		0.5	12	OFF COAST OF CENTRAL CHILE
	30	07	10	19.2?	24.12	S	175.09	W	33	N	5.2	1.2	20	SOUTH OF TONGA ISLANDS
	30	09	09	58.7*	44.143	N	6.933	E	10	G		0.5	7	FRANCE. ML 2.2 (GEN).
	30	09	11	44.2	44.228	N	8.695	E	10	G		0.6	10	NORTHERN ITALY. ML 2.3 (GEN).
	30	09	21	14.7?	2.71	S	141.61	E	33	N	4.0	0.9	8	NEAR N COAST OF PAPUA NEW GUINEA
	30	09	32	53.1?	42.77	N	19.17	E	10	G		0.1	4	YUGOSLAVIA. MD 2.0 (TTG).
	30	09	59	51.2	44.863	N	10.645	E	19			1.0	39	NORTHERN ITALY. ML 3.6 (LDG). MD 3.4 (TRI).
	30	10	49	36.3	22.442	N	94.016	E	73	*	4.5	1.1	34	BURMA
	30	11	35	29.4	43.546	N	7.798	E	10	G		0.7	24	NEAR SOUTH COAST OF FRANCE. ML 2.9 (LDG), 2.6 (GEN).
	30	11	45	43.9?	43.42	N	7.73	E	10	G		0.4	5	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
	30	11	56	01.3*	36.096	N	27.160	E	27	*	4.6	1.1	8	DODECANESE ISLANDS. ML 4.0 (ATH).
	30	12	43	45.8*	51.290	N	15.964	E	10	G		0.1	5	POLAND
a	30	14	30	32.1	3.008	S	141.378	E	33		5.0 4.5	1.0	57	PAPUA NEW GUINEA
	30	14	36	26.4	5.325	S	151.090	E	155		4.8	0.9	54	NEW BRITAIN REGION
	30	15	13	24.0&	46.850	N	121.958	W	9				52	WASHINGTON <SEA>. CL 2.9 (SEA).
	30	16	16	03.7	2.923	S	141.471	E	33	N	4.3 3.6	1.2	23	NEAR N COAST OF PAPUA NEW GUINEA
	30	16	38	05.3	8.712	S	106.126	E	29	D	5.0	1.0	49	SOUTH OF JAVA
	30	16	41	37.8%	42.118	N	7.707	W	10	G		0.7	7	SPAIN. MG 3.4 (MDD).
	30	17	40	28.4*	24.197	N	123.217	E	33	N	4.7	1.1	9	SOUTHWESTERN RYUKYU ISLANDS
	30	17	41	36.9&	39.088	N	118.095	W	9				6	NEVADA. <REN>. MD 3.0 (REN).
	30	18	32	21.4	42.806	N	12.994	E	10	G		1.4	8	CENTRAL ITALY. MD 2.7 (SSO).
	30	19	20	52.1%	42.128	N	7.750	W	10	G		0.5	5	SPAIN. MG 2.8 (MDD).
	30	19	31	34.8	44.503	N	7.022	E	10	G		0.4	14	NORTHERN ITALY. ML 2.6 (LDG), 2.5 (GEN).
	30	19	43	17.9%	18.403	N	66.296	W	33	N		1.6	6	PUERTO RICO REGION
	30	19	55	55.0	35.983	N	114.800	W	5	G		0.6	10	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (NEIS). Felt (III) at Boulder City, Nevada.
	30	20	35	50.9&	39.298	N	119.639	W	0				8	NEVADA. <REN>. MD 3.2 (REN). ML 2.8 (BRK). Felt in the Virginia City area.
	30	20	55	03.2%	42.168	N	7.773	W	10	G		0.8	5	SPAIN. MG 2.7 (MDD).
	30	22	05	25.3*	5.168	S	103.733	E	95	*	4.5	1.1	22	SOUTHERN SUMATERA
	30	22	31	37.6	22.835	S	66.408	W	243		5.0	1.3	27	JUJUY PROVINCE, ARGENTINA
	30	22	47	16.2&	62.940	N	149.126	W	64				36	CENTRAL ALASKA. <AGS-P>.
	30	23	54	24.4&	37.287	N	121.690	W	7		4.3		41	CENTRAL CALIFORNIA. <BRK>. ML 4.3 (BRK). Mo=4.9*10**15

													Nm (BRK). Felt (IV) at Santa Cruz and (III) at Aptos, Castle AFB, Cupertino, Felton, Morgan Hill and San Jose.
	31	00 01 39.1&	39.946	N	111.736	W	7					4	UTAH. <SLC-P>. ML 2.6 (SLC).
	31	00 48 04.3*	32.360	S	72.252	W	31				0.9	12	OFF COAST OF CENTRAL CHILE
	31	02 17 40.9&	35.792	N	121.488	W	3					13	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	31	02 25 01.5*	32.764	S	71.784	W	10	G			0.8	10	NEAR COAST OF CENTRAL CHILE
	31	04 07 10.4	40.908	N	43.934	E	10	G	4.7	4.3	1.5	49	TURKEY-USSR BORDER REGION
	31	04 43 56.9	22.110	S	67.233	W	184		4.6		1.1	36	CHILE-BOLIVIA BORDER REGION
	31	04 52 04.9	2.572	S	126.272	E	33	N	4.7	3.5	0.8	15	CERAM SEA
	31	05 05 12.3*	32.752	S	71.824	W	10	G			0.7	11	NEAR COAST OF CENTRAL CHILE
a	31	05 32 58.3	10.337	S	161.553	E	88	*	5.1		0.9	77	SOLOMON ISLANDS
	31	07 05 01.0%	44.968	N	6.649	E	10	G			0.8	6	FRANCE. ML 1.9 (GEN).
a	31	07 15 49.2	17.698	S	178.503	W	509	*	5.0		0.9	126	FIJI ISLANDS REGION
	31	09 00 36.1*	40.680	N	29.733	E	10	G			0.6	8	TURKEY
	31	09 39 45.0?	6.01	S	145.99	E	55	?	3.4		1.0	8	PAPUA NEW GUINEA
	31	11 17 20.7	7.362	S	128.511	E	136		5.1		0.9	86	BANDA SEA
	31	12 25 07.9*	39.446	N	21.101	E	10	G	3.4		1.2	10	GREECE. ML 3.6 (ATH).
	31	12 49 59.8	26.829	S	26.709	E	5	G	5.0		1.1	13	REPUBLIC OF SOUTH AFRICA
	31	13 48 46.6?	60.22	N	1.92	E	10	G			0.5	9	NORTH SEA. MD 2.7 (BER).
	31	14 24 20.5&	36.185	N	89.428	W	5					19	NEW MADRID, MISSOURI REGION. <TEIC>. mbLg 3.5 (NEIS). Felt (V) at Bogota, Tennessee and (III) at Ridgely and Tiptanville, Tennessee. Also felt (III) at Gabler, Missouri.
	31	15 12 20.4	21.324	S	68.675	W	125	D	5.0		1.5	39	CHILE-BOLIVIA BORDER REGION
	31	15 24 54.3	42.715	N	12.539	E	10	G			1.4	7	CENTRAL ITALY
	31	15 55 40.1?	45.90	N	14.45	E	10	G			1.1	4	YUGOSLAVIA. MD 2.4 (TRI). ML 1.9 (KBA).
	31	17 46 18.9*	45.562	N	26.442	E	153	?			1.0	13	ROMANIA
	31	19 22 43.2*	51.402	N	176.963	W	33	N	4.6		1.1	18	ANDREANOF ISLANDS, ALEUTIAN IS.
	31	19 57 16.9*	46.801	N	153.809	E	33	N	4.8		0.9	50	KURIL ISLANDS
	31	20 26 06.9	32.475	S	71.726	W	41	D	5.1	4.9	1.1	53	NEAR COAST OF CENTRAL CHILE
	31	20 26 14.1*	37.343	N	72.078	E	164	?	4.3		0.8	16	TAJIK SSR
	31	20 40 28.7*	32.525	S	71.865	W	36	*	5.0		1.1	15	NEAR COAST OF CENTRAL CHILE
	31	20 53 01.9?	32.61	S	71.85	W	10	G			0.5	7	NEAR COAST OF CENTRAL CHILE
a	31	20 54 24.0	51.206	S	139.415	E	10	G	5.4	4.6	1.2	58	SOUTH OF AUSTRALIA
	31	20 58 31.0	5.074	N	75.780	W	118		4.8		1.0	149	COLOMBIA. Felt in the Manizales-Pereira area.
	31	21 46 44.4*	32.536	S	71.915	W	31		5.3		1.3	39	NEAR COAST OF CENTRAL CHILE

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

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03 03 13 45.73  27.800N 141.059E 107km
   5.5mb ( 68 obs.)
   BONIN ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 18C
   Centroid Location:
   Origin Time        03:13:48.7 0.5
   Lat 27.92N 0.05 Lon 140.95E 0.04
   Dep 101.3 2.7 Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.39  Plg= 9  Azm=251
     N       -0.19      14      344
     P       -1.20      73      131
   Best Double Couple:Mo=1.3*10**17
    NP1:Strike=325 Dip=38 Slip=-113
    NP2.        174      55      -73

03 16 42 00.79  18.657N 120.906E  56km
   5.1mb ( 24 obs.)  4.5Msz (  4 obs.)
   LUZON, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 16C
   Centroid Location:
   Origin Time        16:42: 0.2 0.7
   Lat 18.84N 0.13 Lon 120.55E 0.18
   Dep  56.5 8.0 Half-duration  1.7
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.64  Plg=66  Azm=191
     N        1.05      24        7
     P       -7.69       1       98
   Best Double Couple:Mo=7.2*10**16
    NP1:Strike=211 Dip=49 Slip= 123
    NP2:        346      51       58

03 19 14 55.57  58.009S  25.345W  33km
   5.5mb (  6 obs.)  4.8Msz (  2 obs.)
   SOUTH SANDWICH ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 28C
   Centroid Location:
   Origin Time        19:15: 3.8 0.7
   Lat 57.99S 0.12 Lon  24.44W 0.17
   Dep  21.1 6.1 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.04  Plg=66  Azm=201
     N       -0.65      20      347
     P       -5.39      12       81
   Best Double Couple:Mo=5.7*10**16
    NP1:Strike=195 Dip=37 Slip= 124
    NP2:        335      60       67

04 01 59 07.41  12.633N 144.792E  33km
   5.2mb ( 15 obs.)  5.1Msz (  9 obs.)
   SOUTH OF MARIANA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 27C
   Centroid Location:
   Origin Time        01:59:11.5 0.6
   Lat 12.84N 0.06 Lon 145.07E 0.06
   Dep  15.0 FIX Half-duration  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.18  Plg=61  Azm=334
     N        0.24       9      227
     P       -2.42      28      132
   Best Double Couple:Mo=2.3*10**17
    NP1:Strike=199 Dip=19 Slip=  61
    NP2:         50      73      100

04 06 14 10.43  20.014N 121.930E  10km
   5.6mb ( 41 obs.)  5.5Msz ( 14 obs.)
   PHILIPPINE ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 27C
   Centroid Location:
   Origin Time        06:14:12.1 0.3
   Lat 19.88N 0.05 Lon 121.74E 0.07
   Dep  27.3 4.6 Half-duration  3.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.85  Plg= 3  Azm=233
     N        0.60      87       76
     P       -5.45       1      323
   Best Double Couple.Mo=5.1*10**17
    NP1:Strike=  8 Dip=87 Slip=   1
    NP2:        278      89      177

04 13 38 06.35  18.493N 146.367E  76km
   5.7mb ( 37 obs )
   MARIANA ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=355 Dip=74 Slip=  90
    NP2:        175      16       90
   Principal Axes:
     T                Plg=61  Azm=265
     P                   29       85
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting. The preferred fault
     plane is NP2.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 31C
   Centroid Location:
   Origin Time        13:38: 8.1 0.3
   Lat 18.43N 0.03 Lon 146.52E 0.03
   Dep  37.6 2.6 Half-duration  3.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  5.24  Plg=75  Azm=254
     N        0.40       3      357
     P       -5.64      15       88
   Best Double Couple:Mo=5.4*10**17
    NP1:Strike=183 Dip=31 Slip=  97
    NP2:        355      60       86

04 22 56 44.15  22.136S  69.254E  10km
   5.4mb ( 12 obs.)  5.0Msz (  1 obs.)
   MID-INDIAN RISE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 22C
   Centroid Location:
   Origin Time        22:56:52.1 1.0
   Lat 21.49S 0.08 Lon  68.95E 0.12
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.24  Plg= 0  Azm=240
     N       -0.86       0      150
     P       -5.37      90      180
   Best Double Couple:Mo=5.8*10**16
    NP1:Strike=330 Dip=45 Slip= -90
    NP2:        150      45      -90

05 11 22 20.20   7.101S 123.386E 626km
   5.3mb ( 13 obs.)
   BANDA SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 16C
   Centroid Location:
   Origin Time        11:22:26.9 0.6
   Lat  6.37S 0.06 Lon 123.31E 0.07
   Dep 616.4 4.2 Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
```

```
    T  Vol=  1.81  Plg= 8  Azm=177
    N       -0.49      26       83
    P       -1.32      62      282
  Best Double Couple:Mo=1.6*10**17
   NP1:Strike=294 Dip=44 Slip= -50
   NP2:        65      58     -122

05 16 05 32.76  15.259S 173.525W  40km
  6.0mb ( 37 obs.)  6.3Msz ( 28 obs.)
  TONGA ISLANDS
  FAULT PLANE SOLUTION: P-Waves
   NP1:Strike=304 Dip=81 Slip=  40
   NP2:       207      51      168
  Principal Axes:
    T                Plg=34  Azm=173
    P                    20       69
  Comment: The focal mechanism is
    moderately well controlled and
    corresponds to strike-slip
    faulting with a large reverse
    component. The preferred fault
    plane is not determined.
  RADIATED ENERGY
   No. of sta:   4  Focal mech.  F
   Energy        1.6±0.6*10**14 Nm
  MOMENT TENSOR SOLUTION
  Dep  39            No. of sta:  9
  Principal Axes:
    Scale 10**18 Nm
    T  Vol=  4.97  Plg=36  Azm=169
    N       0.02      46      308
    P      -4.99      22       62
  Best Double Couple:Mo=5.0*10**18
   NP1:Strike=200 Dip=47 Slip= 168
   NP2:       299      81       43
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 14S, 29C  M W.: 11S, 18C
  Centroid Location:
  Origin Time        16.05:44.7 0.2
  Lat 14.76S 0.02 Lon 173.49W 0.02
  Dep  44.0 BDY Half-duration  4.6
  Principal Axes:
    Scale 10**18 Nm
    T  Vol=  3.35  Plg=39  Azm=180
    N      -0.40      18      285
    P      -2.95      46       34
  Best Double Couple.Mo=3.1*10**18
   NP1:Strike=207 Dip=18 Slip=-169
   NP2:       106      87      -72

06 13 20 41.07  29.948N  51.652E  10km
  5.5mb ( 63 obs.)  5.7Msz ( 15 obs.)
  SOUTHERN IRAN
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 14S, 32C
  Centroid Location:
  Origin Time        13:20:46.1 0.3
  Lat 30.00N 0.03 Lon  51.58E 0.04
  Dep  15.0 FIX Half-duration `3.3
  Principal Axes:
    Scale 10**17 Nm
    T  Vol=  7.27  Plg=13  Azm=122
    N       1.14      49       17
    P      -8.40      38      223
  Best Double Couple:Mo=7.8*10**17
   NP1:Strike=256 Dip=54 Slip= -20
   NP2:       357      74     -142

06 19 42 31.58   1.457S  15.244W  10km
  5.3mb ( 45 obs.)  5.4Msz (  5 obs.)
  NORTH OF ASCENSION ISLAND
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 17S, 46C
  Centroid Location:
  Origin Time        19:42:41.2 0.4
  Lat  0.88S 0.03 Lon  14.78W 0.04
  Dep  15.0 FIX Half-duration  3.2
  Principal Axes:
    Scale 10**17 Nm
    T  Vol=  6.29  Plg= 0  Azm=217
    N      -0.25      90      180
    P      -6.03       0      127
  Best Double Couple:Mo=6.2*10**17
   NP1:Strike=262 Dip=90 Slip= 180
   NP2:       352      90        0

07 07 41 24.20  40.987N  44.185E   5km
  6.2mb ( 92 obs.)  6.8Msz ( 24 obs.)
  TURKEY-USSR BORDER REGION
  FAULT PLANE SOLUTION: P-Waves
   NP1:Strike= 45 Dip=80 Slip=  32
   NP2:       309      59      168
  Principal Axes:
    T                Plg=29  Azm=271
    P                    14      173
  Comment: The focal mechanism is
    moderately well controlled and
    corresponds to right-lateral
    strike slip faulting with a
    large reverse component. The
    preferred fault plane is NP2.
  RADIATED ENERGY
   No. of sta:   9  Focal mech.  C
   Energy        3.9±1.1*10**14 Nm
  MOMENT TENSOR SOLUTION
  Dep  6             No. of sta: 15
  Principal Axes:
    Scale 10**19 Nm
    T  Vol=  1.67  Plg=52  Azm=291
    N       0.05      29       67
    P      -1.72      22      170
  Best Double Couple:Mo=1.7*10**19
   NP1:Strike=301 Dip=34 Slip= 150
   NP2:        57      73       59
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 15S, 43C  M.W.: 12S, 31C
  Centroid Location:
  Origin Time        07:41:36.0 0.2
  Lat 41.10N 0.01 Lon  44.36E 0.03
  Dep  15.0 BDY Half-duration  9.4
  Principal Axes:
    Scale 10**19 Nm
    T  Vol=  1.44  Plg=60  Azm=293
    N       0.36      22       68
    P      -1.80      19      167
  Best Double Couple:Mo=1.6*10**19
   NP1:Strike=288 Dip=33 Slip= 135
   NP2:        59      67       66

07 13 53 28.12  52.358N 160.556E  36km
  5.0mb ( 29 obs.)  4.6Msz (  2 obs.)
  OFF EAST COAST OF KAMCHATKA
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.:  7S, 15C
  Centroid Location:
  Origin Time        13:53:27.5 1.8
  Lat 52.00N 0.14 Lon 161.11E 0.32
  Dep  74.815.7 Half-duration  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Vol=  8.27  Plg=12  Azm=  3
    N      -0.22      57      255
    P      -8.04      31      100
  Best Double Couple:Mo=8.1*10**16
   NP1:Strike=138 Dip=60 Slip= -15
   NP2:       235      78     -149

08 11 18 54.68  15.213S 174.352W  33km
  5.0mb (  7 obs.)  5.5Msz (  3 obs.)
  TONGA ISLANDS
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 15S, 34C
  Centroid Location:
  Origin Time        11:18:56.5 0.4
  Lat 15.31S 0.04 Lon 174.30W 0.03
  Dep  15.0 FIX Half-duration  2.4
  Principal Axes:
    Scale 10**17 Nm
    T  Vol=  3.41  Plg=16  Azm=131
    N      -0.39      71      344
    P      -3.02      10      224
  Best Double Couple:Mo=3.2*10**17
   NP1:Strike=269 Dip=71 Slip=   5
   NP2:       177      86      161

08 12 02 44.49  14.870S 174.498W  33km
  5.0mb (  6 obs.)  5.2Msz (  2 obs.)
  SAMOA ISLANDS REGION
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.:  9S, 20C
  Centroid Location:
  Origin Time        12:02:45.0 1.0
  Lat 15.28S 0.10 Lon 174.45W 0.08
  Dep  15.0 FIX Half-duration  2.0
  Principal Axes:
    Scale 10**17 Nm
    T  Vol=  2.22  Plg=25  Azm=143
    N      -0.64      63      300
    P      -1.58      10       49
  Best Double Couple:Mo=1.9*10**17
   NP1:Strike=183 Dip=65 Slip= 168
   NP2:       278      79       25

08 12 58 59.95   6.917N  82.740W  10km
  5.6mb ( 66 obs.)  5.7Msz ( 20 obs.)
  SOUTH OF PANAMA
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 12S, 29C
  Centroid Location:
  Origin Time        12:58:57.9 0.6
  Lat  6.37N 0.05 Lon  82.68W 0.04
  Dep  15.0 FIX Half-duration  4.7
  Principal Axes:
    Scale 10**18 Nm
    T  Vol=  2.32  Plg= 0  Azm=118
    N      -0.70      90      180
    P      -1.62       0       28
  Best Double Couple:Mo=2.0*10**18
   NP1:Strike=163 Dip=90 Slip= 180
   NP2:       253      90        0

09 07 49 25.77  59.873S  25.983W  33km
  5.5mb ( 17 obs.)  5.6Msz ( 12 obs.)
  SOUTH SANDWICH ISLANDS REGION
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 15S, 34C
  Centroid Location:
  Origin Time        07:49:33.5 0.2
  Lat 60.40S 0.04 Lon  25.55W 0.07
  Dep  15.0 FIX Half-duration  3.1
  Principal Axes:
    Scale 10**17 Nm
    T  Vol=  8.01  Plg=48  Azm=253
    N       0.08      24       13
    P      -8.09      32      119
  Best Double Couple:Mo=8.1*10**17
   NP1:Strike=261 Dip=26 Slip= 159
   NP2:         9      81       66

09 20 29 29.12   2.867S  77.706W  27km
  5.2mb ( 35 obs.)
  PERU-ECUADOR BORDER REGION
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.:  5S,  8C
  Centroid Location:
  Origin Time        20:29:41.5 3.2
  Lat  2.36S 0.18 Lon  78.31W 0.33
  Dep  15.0 FIX Half-duration  1.8
  Principal Axes:
    Scale 10**17 Nm
    T  Vol=  1.20  Plg=50  Azm=164
    N       0.30      10       62
    P      -1.51      39      324
  Best Double Couple:Mo=1.4*10**17
   NP1:Strike=  2 Dip=11 Slip=  29
   NP2:       243      85      100

10 07 30 59.36  58.076S  10.401W  10km
  5.4mb ( 23 obs.)  5.2Msz (  5 obs.)
  SOUTHWESTERN ATLANTIC OCEAN
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 13S, 29C
  Centroid Location:
  Origin Time        07:31: 6.0 0.3
  Lat 58.50S 0.04 Lon  10.38W 0.08
  Dep  15.0 FIX Half-duration  2.6
  Principal Axes:
    Scale 10**17 Nm
    T  Vol=  4.01  Plg=14  Azm=131
    N      -0.45      76      306
    P      -3.56       1       40
  Best Double Couple:Mo=3.8*10**17
   NP1:Strike=175 Dip=79 Slip= 171
   NP2:       266      81       11

10 15 40 05.40  50.201S 130.694E  10km
  5.1mb ( 12 obs.)  5.2Msz (  5 obs.)
  SOUTH OF AUSTRALIA
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 11S, 24C
  Centroid Location:
  Origin Time        15:40:14.2 0.6
  Lat 50.18S 0.05 Lon 130.66E 0.06
  Dep  15.0 FIX Half-duration  2.0
  Principal Axes:
    Scale 10**17 Nm
    T  Vol=  1.71  Plg= 0  Azm=162
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    N        -0.14       90       180
    P        -1.58        0        72
  Best Double Couple:Mo=1.6*10**17
   NP1:Strike=207 Dip=90 Slip= 180
   NP2:        297      90         0

10 17 33 19.97  16.321N  41.102E  10km
  5.2mb ( 51 abs.)  5.4Msz ( 10 abs.)
  RED SEA
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 13S, 29C
  Centroid Location:
  Origin Time        17:33:25.0 0.7
  Lat 16.56N 0.05 Lon  41.10E 0.05
  Dep  15.0 FIX Half-duration  2.3
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  3.08  Plg= 0  Azm=206
    N       -0.47       66       116
    P       -2.61       24       296
  Best Double Couple:Mo=2.8*10**17
   NP1:Strike=339 Dip=74 Slip= -17
   NP2:         74      74      -163

11 03 26 04.59   1.600N 125.354E 115km
  5.4mb ( 19 abs.)
  MOLUCCA PASSAGE
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.:  9S, 17C
  Centroid Location:
  Origin Time        03:26: 3.7 2.0
  Lat  1.48N 0.15 Lon 125.10E 0.15
  Dep 121.6 7.2 Half-duration  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  4.21  Plg=73  Azm=191
    N        0.92        2       288
    P       -5.12       17        19
  Best Double Couple:Mo=4.7*10**16
   NP1:Strike=112 Dip=28 Slip=  94
   NP2:        287      62        88

12 04 51 18.89  27.337N 128.362E  64km
  5.3mb ( 38 abs.)
  RYUKYU ISLANDS
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.:  8S, 15C
  Centroid Location:
  Origin Time        04:51:20.9 0.9
  Lat 26.89N 0.11 Lon 127.78E 0.15
  Dep  53.3 7.0 Half-duration  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  6.54  Plg=79  Azm=338
    N        0.18        7       205
    P       -6.72        8       114
  Best Double Couple:Mo=6.6*10**16
   NP1:Strike=195 Dip=38 Slip=  78
   NP2:         31      53        99

12 13 32 20.39   5.355N  82.571W  10km
  5.3mb ( 35 abs.)  5.1Msz (  4 abs.)
  SOUTH OF PANAMA
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 15S, 35C
  Centroid Location:
  Origin Time        13:32:24.6 0.3
  Lat  5.16N 0.03 Lon  82.56W 0.03
  Dep  15.0 FIX Half-duration  2.8
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  3.58  Plg= 0  Azm=136
    N        0.12       90       180
    P       -3.70        0        46
  Best Double Couple:Mo=3.6*10**17
   NP1:Strike=181 Dip=90 Slip= 180
   NP2:        271      90         0

12 15 44 20.89  13.496N 124.563E  39km
  5.0mb ( 15 abs.)  4.5Msz (  3 abs.)
  LUZON, PHILIPPINE ISLANDS
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.:  9S, 18C
  Centroid Location:
  Origin Time        15:44:11.9 1.1
  Lat 13.72N 0.16 Lon 125.09E 0.21
  Dep  15.0 FIX Half-duration  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  3.49  Plg= 6  Azm=121
    N        2.04       27       214
    P       -5.52       62        20
  Best Double Couple:Mo=4.5*10**16
   NP1:Strike=184 Dip=46 Slip=-130
   NP2:         54      57       -57

13 04 01 38.95  71.134N   7.634W  10km
  5.7mb ( 56 abs.)  5.6Msz ( 21 abs.)
  JAN MAYEN ISLAND REGION
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 13S, 30C
  Centroid Location:
  Origin Time        04:01:49.3 0.3
  Lat 71.08N  FIX;Lon   7.78W  FIX
  Dep  15.0 FIX Half-duration  3.9
  Principal Axes:
    Scale 10**17 Nm
    T  Val= 10.96  Plg= 2  Azm=339
    N        0.87       71       244
    P      -11.83       19        69
  Best Double Couple:Mo=1.1*10**18
   NP1:Strike=112 Dip=76 Slip= -12
   NP2:        205      78      -165

13 06 52 53.86  51.940N 176.032W  52km
  5.3mb ( 40 abs.)
  ANDREANOF ISLANDS, ALEUTIAN IS.
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 15S, 35C
  Centroid Location:
  Origin Time        06:52:58.7 0.7
  Lat 52.28N 0.06 Lon 175.92W 0.07
  Dep  57.3 3.3 Half-duration  2.2
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  2.04  Plg=70  Azm=298
    N        0.24        8        51
    P       -2.27       18       143
  Best Double Couple:Mo=2.2*10**17
   NP1:Strike=246 Dip=28 Slip= 107
   NP2:         47      63        81

13 16 55 10.50  28.648N 141.678E  53km
  5.3mb ( 23 obs.)
  BONIN ISLANDS REGION
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.:  6S, 12C
  Centroid Location:
  Origin Time        16:55:12.9 1.2
  Lat 28.52N 0.16 Lon 141.62E 0.16
  Dep  25.813.8 Half-duration  1.3
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  4.15  Plg=37  Azm=330
    N       -0.19       46       111
    P       -3.95       21       224
  Best Double Couple:Mo=4.1*10**16
   NP1:Strike=  1 Dip=48 Slip= 166
   NP2:        101      80        43

14 11 46 02.86  39.178N  71.793E  59km
  5.3mb ( 56 abs.)  5.0Msz (  5 abs.)
  TAJIK SSR
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 11S, 23C
  Centroid Location:
  Origin Time        11:46: 6.0 0.9
  Lat 39.72N 0.13 Lon  71.56E 0.11
  Dep  15.0 FIX Half-duration  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Val= 12.01  Plg=62  Azm=339
    N       -0.28       28       157
    P      -11.74        1       248
  Best Double Couple:Mo=1.2*10**17
   NP1:Strike=  3 Dip=51 Slip= 127
   NP2:        133      52        54

14 17 06 28.07   5.753N 117.859E  79km
  5.1mb ( 18 obs.)
  KALIMANTAN
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 10S, 21C
  Centroid Location:
  Origin Time        17:06:27.7 0.5
  Lat  6.14N 0.07 Lon 118.62E 0.10
  Dep  33.0 FIX Half-duration  1.4
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  5.77  Plg=19  Azm=114
    N        0.65       13        19
    P       -6.42       67       257
  Best Double Couple:Mo=6.1*10**16
   NP1:Strike=224 Dip=29 Slip= -62
   NP2:         13      65      -104

15 06 40 51.71  46.499N  95.572E  24km
  5.3mb ( 38 abs.)
  MONGOLIA
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.:  8S, 14C
  Centroid Location:
  Origin Time        06:40:59.1 1.2
  Lat 46.81N 0.19 Lon  95.73E 0.22
  Dep  24.0 FIX Half-duration  1.7
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  6.98  Plg= 5  Azm=126
    N        0.00       84       274
    P       -6.98        3        36
  Best Double Couple:Mo=7.0*10**16
   NP1:Strike=171 Dip=84 Slip= 179
   NP2:        261      89         6

15 09 21 18.30  51.136N 158.023E  39km
  5.3mb ( 56 obs.)  4.5Msz (  4 abs.)
  NEAR EAST COAST OF KAMCHATKA
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 11S, 23C
  Centroid Location:
  Origin Time        09:21:26.5 0.7
  Lat 51.18N  FIX;Lon 158.00E  FIX
  Dep  41.2 6.9 Half-duration  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  5.90  Plg=58  Azm= 15
    N        2.05       30       219
    P       -7.95       11       123
  Best Double Couple:Mo=6.9*10**16
   NP1:Strike=181 Dip=43 Slip=  43
   NP2:         56      62       124

16 05 05 46.80  24.122S  66.920W 170km
  5.1mb ( 21 obs.)
  SALTA PROVINCE, ARGENTINA
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.:  9S, 15C
  Centroid Location:
  Origin Time        05:05:57.5 0.7
  Lat 24.31S 0.12 Lon  67.20W 0.09
  Dep 184.8 3.8 Half-duration  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  8.28  Plg=44  Azm= 73
    N       -2.41       39       291
    P       -5.87       20       184
  Best Double Couple:Mo=7.1*10**16
   NP1:Strike=229 Dip=43 Slip=  22
   NP2:        123      76       131

16 09 17 04.86  13.968N  90.855W  70km
  5.2mb ( 24 abs.)
  NEAR COAST OF GUATEMALA
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 10S, 19C
  Centroid Location:
  Origin Time        09:17:10.2 0.8
  Lat 13.93N  FIX;Lon  90.95W  FIX
  Dep  15.0 FIX Half-duration  2.3
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  6.33  Plg=47  Azm= 37
    N       -0.97        0       307
    P       -5.36       43       216
  Best Double Couple:Mo=5.8*10**17
   NP1:Strike=300 Dip= 2 Slip=  83
   NP2:        127      88        90

16 09 29 55.49  15.329S 173.010W  33km
  5.2mb ( 19 obs.)  5.2Msz (  3 obs.)
  TONGA ISLANDS
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 11S, 20C
  Centroid Location:
```

```
   Origin Time        09:30: 1.4 0.7
   Lat 15.33S 0.09 Lon 172.89W 0.07
   Dep  41.1 5.0 Half-duration  2.1
   Principal Axes:
     Scale 10**17 Nm
     T  Vol=  1.82  Plg=24  Azm=206
     N        0.05      11      301
     P       -1.87      64       53
   Best Double Couple:Mo=1.9*10**17
    NP1:Strike=276 Dip=23 Slip=-117
    NP2:        125      69      -79

16 09 57 16.59  29.790S 177.915W  31km
   6.1mb ( 51 obs.)  6.2Msz ( 18 obs.)
   KERMADEC ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike= 10 Dip=72 Slip=  90
    NP2:        190      18       90
   Principal Axes:
     T                Plg=63  Azm=280
     P                   27      100
   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        7.1±2.6*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep  37            No. of sta: 14
   Principal Axes:
     Scale 10**18 Nm
     T  Vol=  4.97  Plg=78  Azm=249
     N        0.14       6        7
     P       -5.11      11       98
   Best Double Couple:Mo=5.0*10**18
    NP1:Strike=196 Dip=35 Slip= 100
    NP2:          3      56       83
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 33C  M.W.:  9S, 20C
   Centroid Location:
   Origin Time        09:57:24.8 0.2
   Lat 29.88S 0.02 Lon 177.58W 0.02
   Dep  41.0 BDY Half-duration  6.1
   Principal Axes:
     Scale 10**18 Nm
     T  Vol=  5.02  Plg=72  Azm=265
     N       -0.33       4        8
     P       -4.69      18      100
   Best Double Couple:Mo=4.9*10**18
    NP1:Strike=197 Dip=28 Slip=  99
    NP2:          6      63       85

16 19 29 03.11  29.355N 142.024E  12km
   5.4mb ( 55 obs.)  5.2Msz (  7 obs.)
   SOUTH OF HONSHU, JAPAN
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 18C
   Centroid Location:
   Origin Time        19:29: 5.4 1.0
   Lat 29.31N 0.06 Lon 142.60E 0.08
   Dep  37.1 5.3 Half-duration  2.1
   Principal Axes:
     Scale 10**17 Nm
     T  Vol=  1.71  Plg=70  Azm=296
     N        0.57       7      185
     P       -2.28      18       93
   Best Double Couple:Mo=2.0*10**17
    NP1:Strike=171 Dip=27 Slip=  74
    NP2:          9      64       98

17 00 58 15.30  26.902S 167.475E  33km
   5.6mb ( 16 obs.)  5.3Msz (  3 obs.)
   NEW CALEDONIA REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 23C
   Centroid Location:
   Origin Time        00:58:14.5 0.6
   Lat 26.88S 0.06 Lon 167.51E 0.05
   Dep  15.0 FIX Half-duration  2.6
   Principal Axes:
     Scale 10**17 Nm
     T  Vol=  3.72  Plg=26  Azm=135
     N       -0.89      59      279
     P       -2.83      16       37
   Best Double Couple:Mo=3.3*10**17
    NP1:Strike=174 Dip=60 Slip= 172
    NP2:        268      83       30

17 13 30 57.15   1.931S 138.914E  40km
   5.4mb (  7 obs.)  4.7Msz (  2 obs.)
   NEAR N. COAST OF WEST IRIAN
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 16C
   Centroid Location:
   Origin Time        13:30:57.9 1.4
   Lat  1.75S 0.12 Lon 138.94E 0.15
   Dep  33.0 FIX Half-duration  1.4
   Principal Axes:
     Scale 10**16 Nm
     T  Vol=  4.55  Plg=60  Azm=188
     N       -0.27      19      314
     P       -4.28      22       52
   Best Double Couple:Mo=4.4*10**16
    NP1:Strike=173 Dip=28 Slip= 132
    NP2:        307      70       70

18 19 21 51.67  46.834N 153.859E  33km
   5.4mb ( 63 obs.)  5.3Msz ( 15 obs.)
   KURIL ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 20C
   Centroid Location:
   Origin Time        19:21:51.7 0.6
   Lat 46.89N 0.04 Lon 154.60E 0.07
   Dep  32.2 2.6 Half-duration  2.4
   Principal Axes:
     Scale 10**17 Nm
     T  Vol=  2.25  Plg=81  Azm=  15
     N        0.76       9      210
     P       -3.01       2      120
   Best Double Couple:Mo=2.6*10**17
    NP1:Strike=200 Dip=43 Slip=  77
    NP2:         38      48      102

19 02 26 54.34  46.694N 153.893E  33km
   5.2mb ( 45 obs.)  4.5Msz (  3 obs.)
   KURIL ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 13C
   Centroid Location:
   Origin Time        02:26:57.3 0.8
   Lat 46.70N  FIX;Lon 153.88E  FIX
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Vol=  5.84  Plg=69  Azm=295
     N        2.36       2      199
     P       -8.20      21      109
   Best Double Couple:Mo=7.0*10**16
    NP1:Strike=195 Dip=24 Slip=  85
    NP2:         20      66       92

19 05 18 53.25  10.739S 164.392E  74km
   4.7mb (  5 obs.)
   SANTA CRUZ ISLANDS REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 21C
   Centroid Location:
   Origin Time        05:18:50.6 0.7
   Lat 10.90S 0.06 Lon 164.42E 0.07
   Dep  24.0 7.0 Half-duration  2.1
   Principal Axes:
     Scale 10**17 Nm
     T  Vol=  1.58  Plg=10  Azm=161
     N        0.09      72       37
     P       -1.66      15      254
   Best Double Couple:Mo=1.6*10**17
    NP1:Strike=297 Dip=72 Slip=  -3
    NP2:         28      87     -162

19 06 35 41.34  10.830S 164.507E  60km
   5.3mb ( 14 obs.)  5.2Msz (  7 obs.)
   SANTA CRUZ ISLANDS REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 19C
   Centroid Location:
   Origin Time        06:35:38.8 0.5
   Lat 11.00S 0.08 Lon 164.75E 0.07
   Dep  24.3 6.5 Half-duration  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Vol=  1.83  Plg=35  Azm=145
     N        0.46      50      358
     P       -2.30      17      247
   Best Double Couple:Mo=2.1*10**17
    NP1:Strike=292 Dip=53 Slip=  15
    NP2:        192      78      142

20 03 35 17.81   1.868N  97.129E  37km
   5.5mb ( 56 obs.)  5.0Msz (  9 obs.)
   NORTHERN SUMATERA
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 17C
   Centroid Location:
   Origin Time        03:35:16.9 1.1
   Lat  1.87N  FIX;Lon  97.16E  FIX
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**17 Nm
     T  Vol=  1.68  Plg=47  Azm=  27
     N        0.00       3      120
     P       -1.69      43      212
   Best Double Couple:Mo=1.7*10**17
    NP1:Strike=349 Dip=  4 Slip= 139
    NP2:        119      88       87

20 14 27 59.93  27.914S 176.613W  36km
   5.3mb (  9 obs.)  5.2Msz (  7 obs.)
   KERMADEC ISLANDS REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 26C
   Centroid Location:
   Origin Time        14:28: 5.8 0.6
   Lat 27.79S 0.04 Lon 176.61W 0.05
   Dep  16.4 2.2 Half-duration  2.4
   Principal Axes:
     Scale 10**17 Nm
     T  Vol=  2.62  Plg=72  Azm=270
     N        0.37       4       13
     P       -2.99      17      104
   Best Double Couple:Mo=2.8*10**17
    NP1:Strike=201 Dip=28 Slip=  99
    NP2:         11      63       85

20 20 24 24.06  10.787S 164.673E  36km
   5.4mb ( 16 obs.)  4.8Msz (  1 obs.)
   SANTA CRUZ ISLANDS REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 17C
   Centroid Location:
   Origin Time        20:24:23.6 0.9
   Lat 11.04S 0.11 Lon 164.58E 0.12
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Vol=  5.21  Plg=75  Azm=358
     N        0.90      14      166
     P       -6.10       3      256
   Best Double Couple:Mo=5.7*10**16
    NP1:Strike=  1 Dip=44 Slip= 111
    NP2:        153      50       71

21 02 37 12.44  51.778N 175.445E  33km
   5.0mb ( 23 obs.)  4.6Msz (  3 obs.)
   RAT ISLANDS, ALEUTIAN ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 19C
   Centroid Location:
   Origin Time        02:37:14.8 1.0
   Lat 52.09N 0.08 Lon 175.26E 0.19
   Dep  37.0 BDY Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Vol=  6.30  Plg=57  Azm=303
     N       -0.53      23       74
     P       -5.77      22      173
   Best Double Couple:Mo=6.0*10**16
    NP1:Strike=299 Dip=31 Slip= 140
    NP2:         65      71       66

22 10 42 12.46  53.983N 166.244W  76km
   5.4mb ( 70 obs.)
   FOX ISLANDS, ALEUTIAN ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 28C
   Centroid Location:
   Origin Time        10:42:14.7 0.5
   Lat 53.78N 0.09 Lon 166.30W 0.07
   Dep  91.1 6.1 Half-duration  1.7
   Principal Axes:
     Scale 10**16 Nm
     T  Vol=  9.99  Plg=59  Azm=154
     N       -0.22       7      255
     P       -9.76      30      349
```

Best Double Couple:Mo=9.9*10**16
NP1:Strike= 98 Dip=16 Slip= 114
NP2: 253 75 83

22 14 49 51.26 13.238S 111.247W 10km
4.8mb (9 obs.) 5.4Msz (2 obs.)
NORTHERN EASTER I. CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centroid Location:
Origin Time 14:49:55.6 0.5
Lat 13.49S 0.04 Lon 110.89W 0.03
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.96 Plg= 0 Azm=144
N -1.00 90 180
P -2.97 0 54
Best Double Couple:Mo=3.5*10**17
NP1:Strike=189 Dip=90 Slip= 180
NP2: 279 90 0

23 04 30 07.08 10.782S 164.769E 43km
5.2mb (14 obs.) 5.3Msz (7 obs.)
SANTA CRUZ ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 04:30: 8.5 0.6
Lat 10.83S 0.04 Lon 164.51E 0.05
Dep 24.4 3.6 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.84 Plg=23 Azm=134
N -0.83 63 351
P -3.01 15 231
Best Double Couple:Mo=3.4*10**17
NP1:Strike=274 Dip=63 Slip= 6
NP2: 181 85 153

23 21 49 08.90 0.769N 29.410W 10km
5.8mb (61 obs.) 5.5Msz (12 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 21:49:16.1 0.2
Lat 0.82N 0.03 Lon 29.14W 0.03
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.40 Plg=78 Azm=169
N 0.29 3 63
P -4.70 12 332
Best Double Couple:Mo=4.6*10**17
NP1:Strike= 58 Dip=33 Slip= 84
NP2: 245 57 94

24 04 26 54.56 23.522S 66.666W 194km
5.7mb (62 obs.)
JUJUY PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centroid Location:
Origin Time 04:27: 6.0 0.2
Lat 23.43S 0.03 Lon 66.70W 0.03
Dep 218.2 1.4 Half-duration 4.2
Principal Axes:
Scale 10**18 Nm
T Val= 1.92 Plg=19 Azm= 82
N -0.53 17 346
P -1.39 64 217
Best Double Couple:Mo=1.7*10**18
NP1:Strike=198 Dip=30 Slip= -54
NP2: 338 66 -109

24 10 39 40.32 27.434S 63.156W 581km
5.5mb (50 obs.)
SANTIAGO DEL ESTERO PROV., ARG.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 10:39:48.4 0.4
Lat 27.40S 0.05 Lon 62.69W 0.05
Dep 603.4 3.3 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.07 Plg= 6 Azm=263
N -0.11 19 171
P -1.96 70 8
Best Double Couple:Mo=2.0*10**17
NP1:Strike= 13 Dip=43 Slip= -61
NP2: 156 53 -114

24 13 09 40.52 5.090S 149.758E 369km
5.6mb (44 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 20C
Centroid Location:
Origin Time 13:09:44.2 0.4
Lat 5.07S 0.03 Lon 149.65E 0.04
Dep 361.6 1.5 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 5.52 Plg=12 Azm=177
N 1.52 31 80
P -7.05 56 286
Best Double Couple:Mo=6.3*10**17
NP1:Strike=300 Dip=43 Slip= -41
NP2: 63 64 -125

27 13 50 41.35 4.796N 95.214E 57km
5.3mb (56 obs.)
NORTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 13:50:43.6 0.9
Lat 4.65N 0.05 Lon 95.21E 0.12
Dep 111.4 5.5 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 9.02 Plg=24 Azm= 10
N -0.95 30 114
P -8.06 50 247
Best Double Couple:Mo=8.5*10**16
NP1:Strike= 56 Dip=34 Slip=-152
NP2: 303 75 -59

27 18 51 48.90 24.007N 122.803E 21km
5.1mb (28 obs.) 4.4Msz (1 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 5S, 11C
Centroid Location:
Origin Time 18:51:52.0 1.6
Lat 24.01N FIX;Lon 122.82E FIX
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.55 Plg= 2 Azm= 79
N 1.18 45 347
P -6.73 45 171
Best Double Couple:Mo=6.1*10**16
NP1:Strike=205 Dip=59 Slip= -33
NP2: 314 62 -144

29 19 30 04.51 46.775N 153.963E 33km
5.2mb (54 obs.) 5.1Msz (10 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 19:30: 8.2 0.6
Lat 47.01N 0.05 Lon 153.99E 0.09
Dep 17.6 3.3 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.23 Plg=73 Azm=337
N 0.13 10 213
P -1.35 14 121
Best Double Couple:Mo=1.3*10**17
NP1:Strike=197 Dip=32 Slip= 71
NP2: 39 60 101

30 00 27 49.17 2.890S 141.514E 21km
5.4mb (22 obs.) 5.4Msz (14 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 00:27:56.9 0.3
Lat 2.87S FIX;Lon 141.50E FIX
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**17 Nm
T Val= 9.49 Plg=46 Azm=279
N 0.91 16 172
P -10.40 39 68
Best Double Couple:Mo=1.0*10**17
NP1:Strike= 96 Dip=17 Slip= 14
NP2: 353 86 106

30 14 30 32.14 3.008S 141.378E 33km
5.0mb (9 obs.) 4.5Msz (3 obs.)
PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 14:30:36.0 0.7
Lat 2.78S 0.07 Lon 141.35E 0.09
Dep 31.4 7.1 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.23 Plg=64 Azm=180
N 1.51 11 294
P -8.74 23 29
Best Double Couple:Mo=8.0*10**16
NP1:Strike=141 Dip=24 Slip= 119
NP2: 290 69 78

31 05 32 58.38 10.337S 161.553E 88km
5.1mb (10 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 05:32:56.1 0.8
Lat 10.68S 0.10 Lon 161.85E 0.09
Dep 33.5 7.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.69 Plg=51 Azm=111
N -0.58 38 288
P -8.10 2 19
Best Double Couple:Mo=8.4*10**16
NP1:Strike=142 Dip=55 Slip= 139
NP2: 258 58 43

31 07 15 49.29 17.698S 178.503W 509km
5.0mb (35 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 15C
Centroid Location:
Origin Time 07:15:56.1 1.4
Lat 17.78S 0.15 Lon 178.37W 0.12
Dep 558.0 7.0 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 11.44 Plg=47 Azm=105
N -2.67 6 8
P -8.76 42 272
Best Double Couple:Mo=1.0*10**17
NP1:Strike=299 Dip= 7 Slip= 21
NP2: 188 88 96

31 20 54 24.01 51.206S 139.415E 10km
5.4mb (12 obs.) 4.6Msz (1 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 20:54:29.7 1.0
Lat 51.25S 0.08 Lon 139.77E 0.10
Dep 19.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.07 Plg= 0 Azm=220
N -0.25 90 180
P -1.42 0 130
Best Double Couple:Mo=1.6*10**17
NP1:Strike=265 Dip=90 Slip= 180
NP2: 355 90 0

EXPLOSIONS NEAR KICK-'EM-JENNY VOLCANO, DECEMBER 29-30, 1988

T-waves generated by underwater explosions in the vicinity of Kick-'em-Jenny Volcano (a submarine volcano located at 12.30' N., 61.63' W.) were observed on seismographs in the eastern Caribbean on December 29 and 30. The events occurred at approximately 1950 and 2118 UTC December 29 and at approximately 0905 UTC December 30. The events were felt strongly on Grenada and were felt and heard as far away as Martinique. The T-wave arrival times for these events are listed in the Earthquake Data Report. Additional information can be obtained from Dr. Lindsay McClelland at the Smithsonian Institution in Washington, D.C. or from Dr. John Shepherd at the University of the West Indies in St. Augustine, Trinidad.

Corrections to Previous Monthly Listings

1. Centroid, Moment Tensor solution associated with event of 10:49:36.6 UTC on October 02, 1985 belongs with event of 05:35:14.2 UTC on October 01.

2. Delete event of 12:19:37.5 UTC on July 12, 1986. Data belong to an event in Iran at 12:13:37.7 UTC, located by ISC.

3. Delete event of 04:05:29.4 UTC on October 20, 1986. Data belong to an event in Fiji at 03:47:29 UTC, located by ISC.

4. Delete event of 18:32:15.7 UTC on December 25, 1986. Data belong with event of 18:32:02.6 UTC.

5. Delete event of 00:34:00.7 UTC on April 07, 1987. Data belong to an event in Afghanistan-USSR border region at 00:34:10 UTC, located by ISC.

6. Delete event of 19:24:11.6 UTC on May 25, 1987. Data belong to an event in Banda Sea at 19:24:59 UTC, located by ISC.

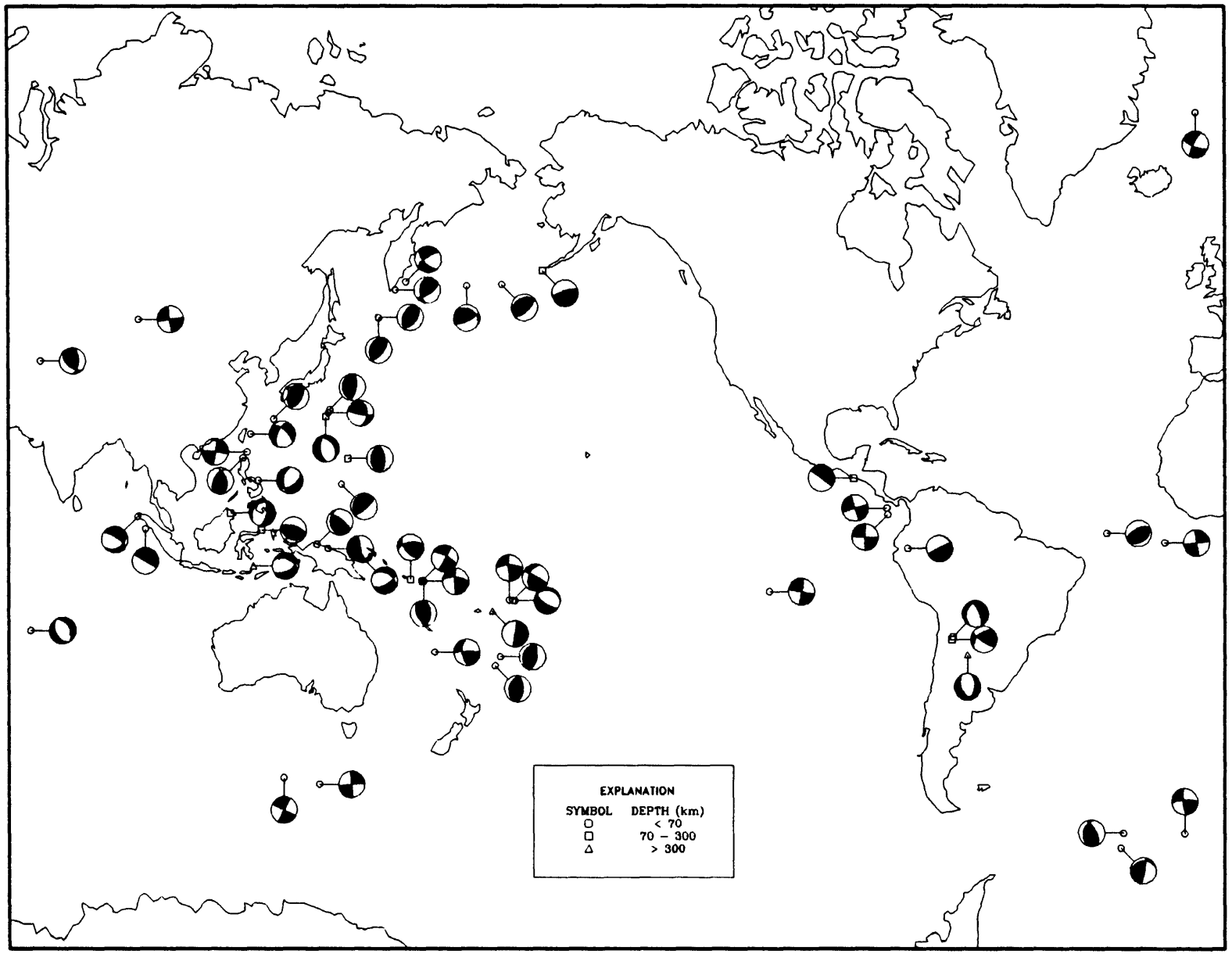
7. Delete event of 03:37:22.4 UTC on June 06, 1987. Data belong with event of 03:37:23.9 UTC on July 06.

8. Delete event of 04:47:33.8 UTC on June 06, 1987. Data belong to an event at same time/location on July 06, located by ISC.

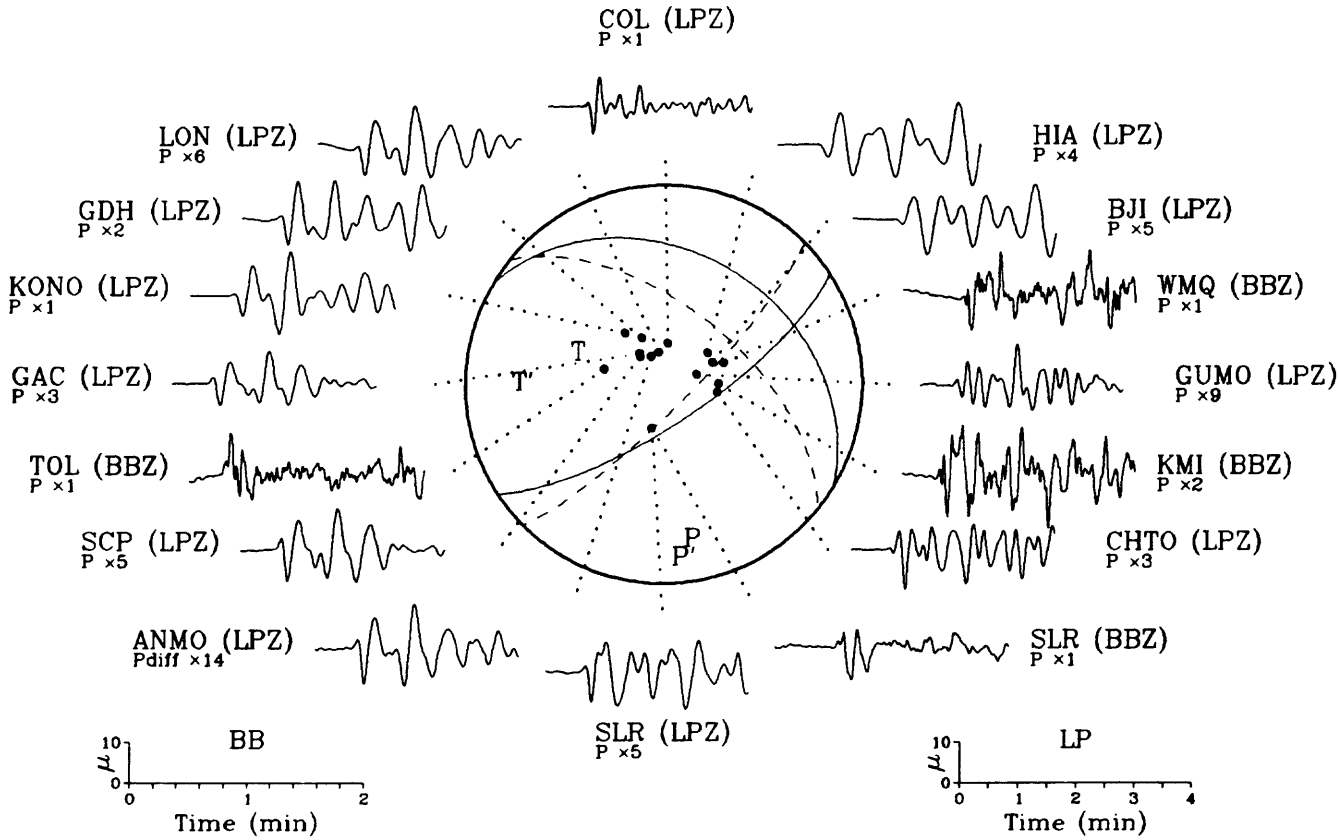
9. Delete event of 00:50:21.5 UTC on June 27, 1987. Data belong with event of 00.50:17.8 UTC on June 28.

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

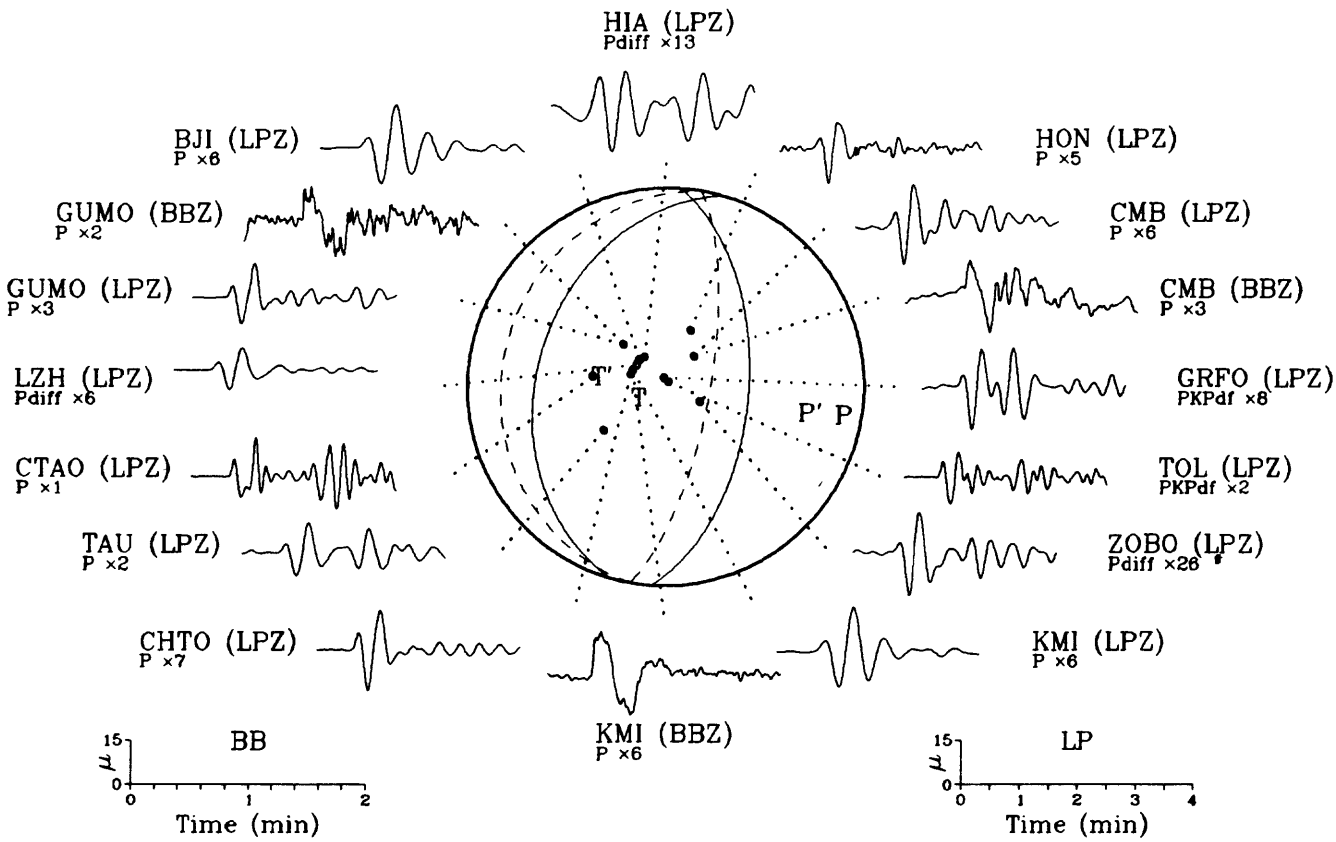
Earthquake Focal Mechanisms for December 1988

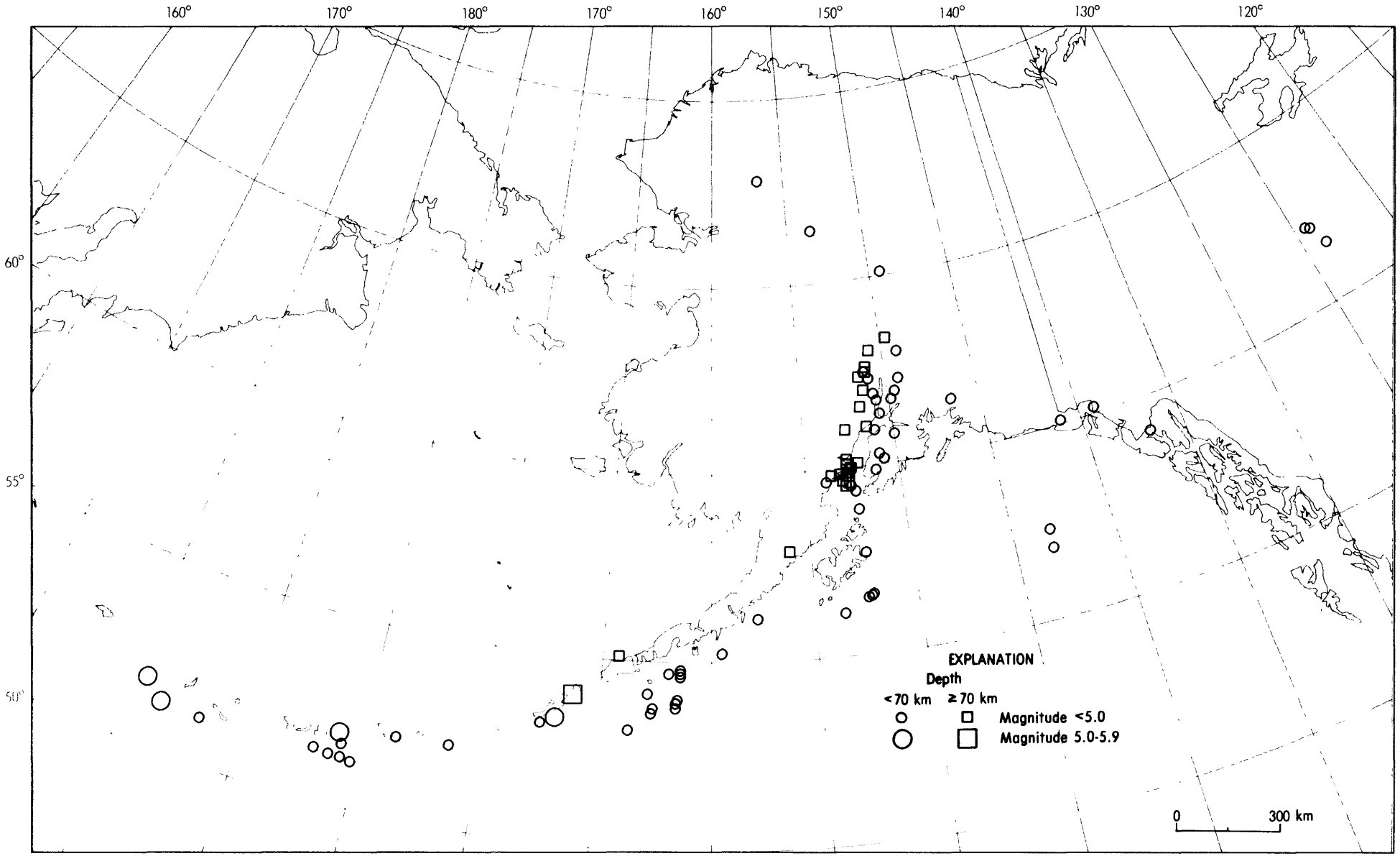


07 December 1988 07:41:24.20
Turkey–USSR Border Region

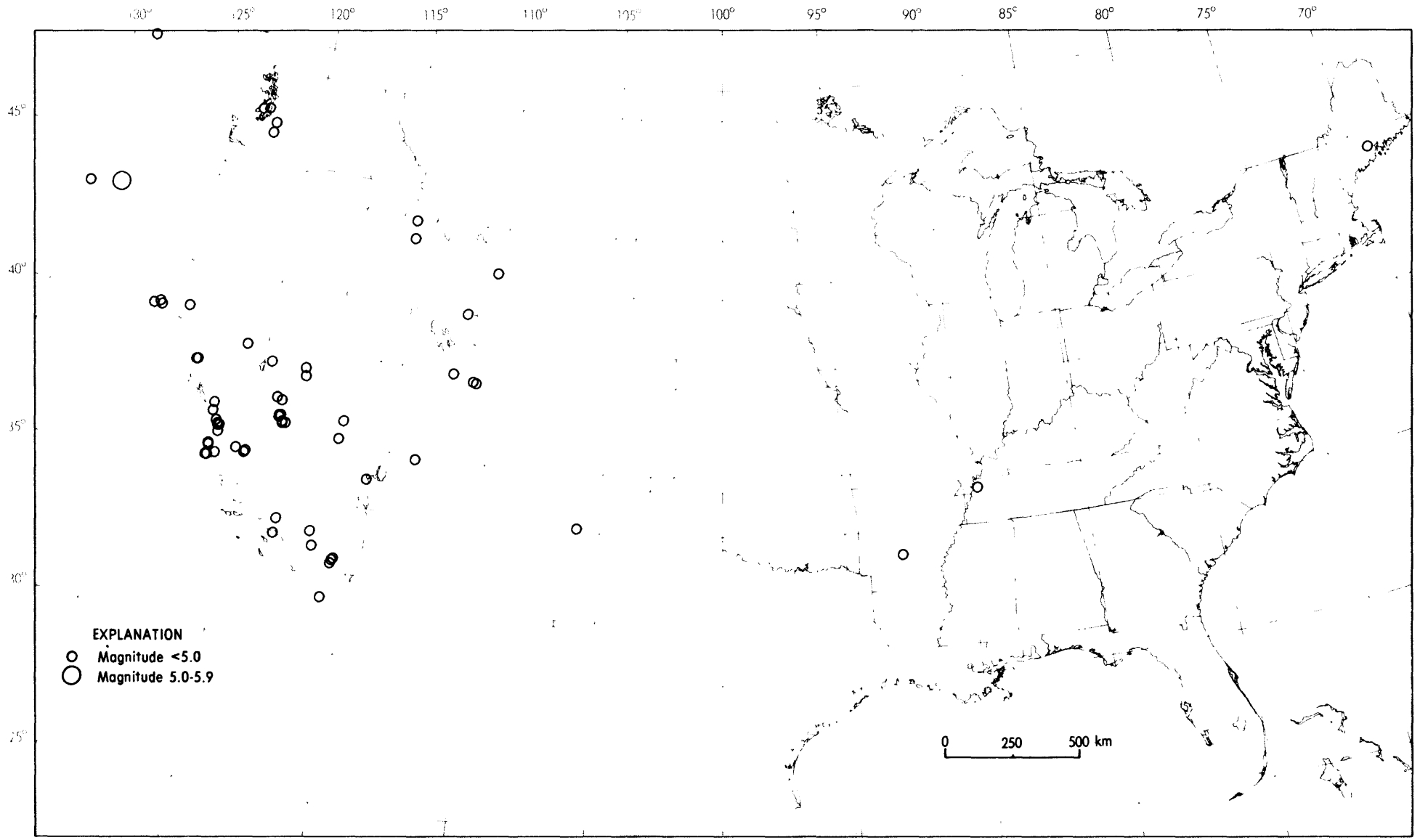


16 December 1988 09:57:16.59
Kermadec Islands

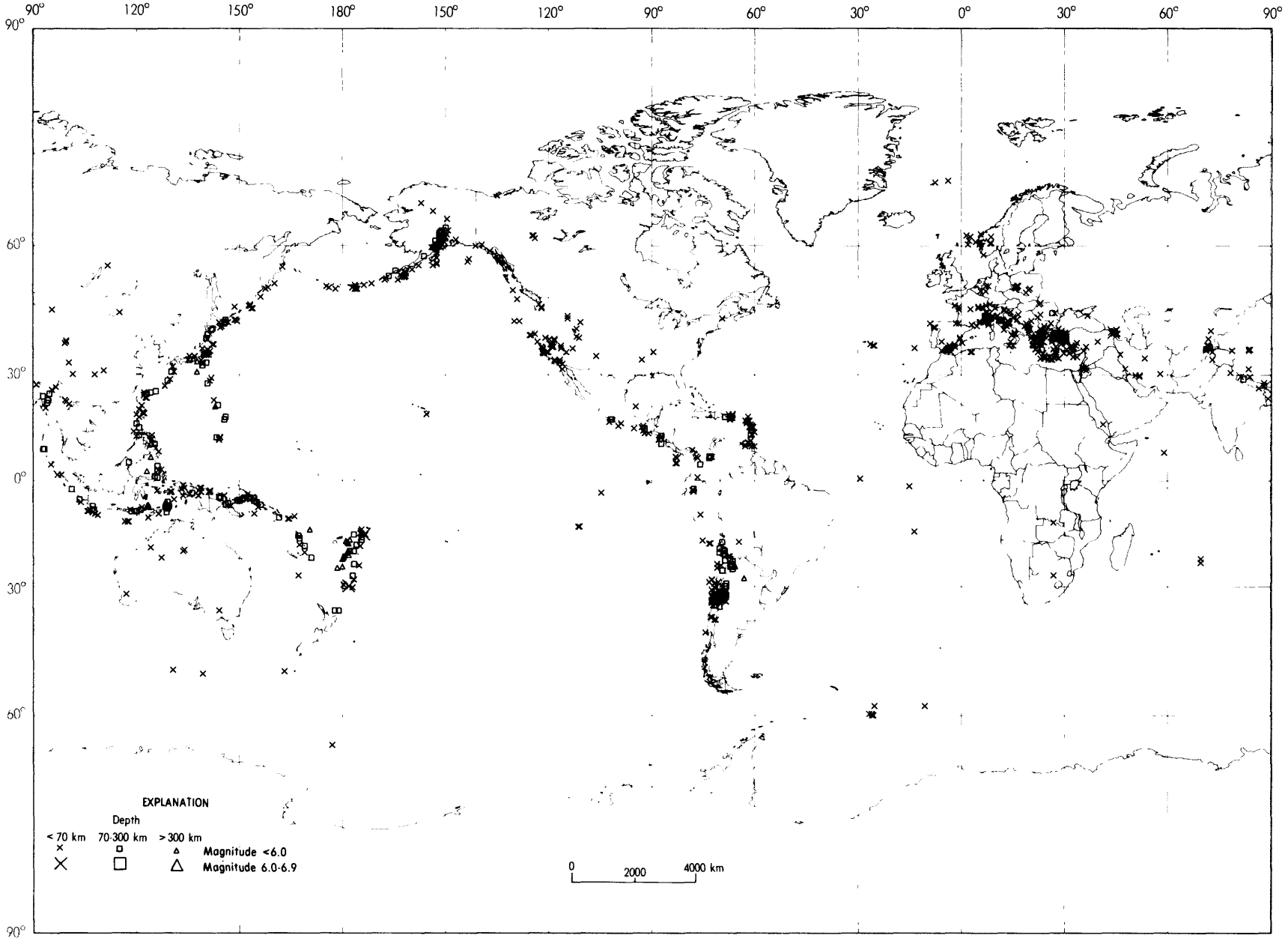




Earthquake epicenters in Alaska and adjacent regions for December, 1988 (C. Stover).



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



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