UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

OCTOBER - DECEMBER 1986

NATIONAL EARTHQUAKE INFORMATION CENTER

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1988

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MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

OCTOBER 1986

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	01	26	47.2	39.072	N	27.725	E	10	G			1.3	10	TURKEY
	01	02	19	10.2	39.076	N	27.889	E	10	G			0.9	14	TURKEY
	01	03	17	35.4•	16.646	S	177.609	W	33	N	5.4	4.6	1.3	17	FIJI ISLANDS REGION
	01	03	57	52.9	28.815	N	51.311	E	10	G	4.5		1.3	45	SOUTHERN IRAN. Felt in the Bushehr area.
	01	04	42	27.1•	9.183	S	124.342	E	73	•	4.4		1.5	22	TIMOR
	01	05	40	52.4	25.361	S	177.615	W	143	•	5.0		0.8	65	SOUTH OF FIJI ISLANDS
	01	06	15	22.3?	16.33	S	177.70	W	33	N	4.7		0.4	7	FIJI ISLANDS REGION
	01	06	30	50.2?	17.76	N	103.85	W	33	N	4.2		1.5	5	NEAR COAST OF MICHOACAN, MEXICO
	01	06	51	25.5	14.361	N	124.437	E	10	G	5.2	4.5	1.3	76	LUZON, PHILIPPINE ISLANDS
	01	07	20	29.6•	43.978	N	114.780	W	5	G			0.8	7	WESTERN IDAHO. ML 3.0 (NEIS).
	01	07	32	43.8?	44.91	N	150.17	E	33	N	4.2		1.5	9	KURIL ISLANDS REGION
	01	07	39	24.4	14.438	N	124.286	E	10	G	4.9		1.3	46	LUZON, PHILIPPINE ISLANDS
	01	08	19	06.4•	39.772	N	24.326	E	13				0.7	10	AEGEAN SEA
	01	08	30	03.0	39.053	N	27.737	E	10	G			0.3	6	TURKEY
	01	10	36	49.7•	9.661	N	126.314	E	229	?	4.9		1.4	14	MINDANAO, PHILIPPINE ISLANDS
	01	10	38	43.7	6.848	N	73.184	W	156		4.8		0.9	12	NORTHERN COLOMBIA
	01	10	43	24.2&	57.438	N	152.220	W	44		3.7			39	KODIAK ISLAND REGION. <AGS-P>.
	01	11	09	39.7•	11.412	S	162.723	E	33	N	4.5		1.2	8	SOLOMON ISLANDS
	01	11	11	42.1	41.682	N	76.862	E	10	G	4.8	3.9	1.1	44	KIRGHIZ-XINJIANG BORDER REGION. Felt (III) at Naryn, Alma-Ata and Przhevalsk, USSR.
a	01	13	00	06.3	5.579	S	128.617	E	343		5.3		1.1	138	BANDA SEA
	01	13	17	36.4•	25.538	S	175.190	W	33	N	5.0		1.4	21	SOUTH OF TONGA ISLANDS
	01	14	14	33.3•	45.334	S	95.958	E	10	G	4.3		0.6	8	SOUTHEAST INDIAN RISE
	01	14	15	11.3?	58.22	N	6.36	E	10	G			0.5	6	SOUTHERN NORWAY. MD 2.4 (BER).
	01	14	39	35.8	42.336	N	18.899	E	10	G			1.3	12	YUGOSLAVIA. ML 2.6 (TTG).
	01	14	43	31.2?	15.69	N	120.90	E	192	•	3.6		1.1	7	LUZON, PHILIPPINE ISLANDS
	01	15	24	54.7?	1.06	N	29.55	W	10	G	4.9		0.5	7	CENTRAL MID-ATLANTIC RIDGE
	01	15	34	23.8	40.721	N	116.370	W	5	G			0.5	12	NEVADA. ML 3.7 (NEIS).
a	01	15	56	03.3	51.767	N	175.997	W	33	N	5.3	4.5	1.2	91	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR). Felt (III) on Adak.
	01	17	31	35.3	28.739	N	129.419	E	26	•	4.5		1.0	17	RYUKYU ISLANDS. Felt (I JMA) at Naze.
	01	17	51	51.3•	11.359	S	117.708	E	33	N	2.9		1.4	6	SOUTH OF SUMBAWA ISLAND
	01	17	52	04.5?	28.76	N	130.02	E	33	N			1.1	7	RYUKYU ISLANDS
	01	17	57	55.0•	39.049	N	27.718	E	10	G			0.9	5	TURKEY
	01	18	57	04.5?	39.04	N	27.74	E	20	?			1.4	6	TURKEY
	01	19	49	34.7	44.222	N	10.261	E	10	G			1.3	16	NORTHERN ITALY. ML 2.9 (LDG), 2.2 (KBA).
	01	19	53	41.2	44.340	N	10.189	E	28		4.2		1.2	107	NORTHERN ITALY. ML 4.7 (FUR), 4.3 (LDG), 4.2 (TRI). Felt (VI) in the Garfagnana region.
	01	20	08	03.0•	19.724	S	177.459	W	550	•	4.6		0.9	34	FIJI ISLANDS REGION
	01	20	11	09.9	44.240	N	10.273	E	10	G			0.7	16	NORTHERN ITALY. ML 3.1 (LDG), 2.9 (KBA).
	01	20	12	15.2•	32.837	N	117.875	W	5	G			0.4	8	CALIFORNIA-MEXICO BORDER REGION. ML 3.9 (PAS). Felt in the Oceanside-San Diego area and in southern Orange County.
	01	20	18	48.5•	33.594	S	71.865	W	58	•	4.3		1.3	23	NEAR COAST OF CENTRAL CHILE
	01	20	44	36.0%	33.535	N	119.553	E	33	N			1.0	5	EASTERN CHINA. ML 3.9 (BJI).
	01	21	28	51.6?	17.51	N	62.02	W	10	G			0.1	6	LEEWARD ISLANDS. ML 3.3 (FDF).
	01	22	32	36.5•	8.300	N	61.720	W	33	N			1.2	8	VENEZUELA. Felt in the Barrancas-Puerto Ordaz area.
	01	22	47	03.8	44.199	N	11.517	E	11				1.3	31	NORTHERN ITALY. ML 3.7 (KBA), 3.5 (LDG).
	01	22	50	49.6	39.133	N	28.276	E	10	G			1.1	10	TURKEY
	01	23	26	26.1•	60.261	S	23.956	W	33	N	4.0		0.6	11	SOUTH SANDWICH ISLANDS REGION
	02	00	11	42.5	39.112	N	27.783	E	10	G			1.1	6	TURKEY
	02	00	28	30.3•	51.352	N	7.285	E	10	G			0.8	9	GERMANY
	02	01	25	46.5•	9.211	N	126.783	E	33	N	4.5		1.1	17	MINDANAO, PHILIPPINE ISLANDS
	02	03	52	29.0	3.813	S	141.296	E	60	•	4.3		1.2	20	PAPUA NEW GUINEA
	02	04	32	12.4•	31.327	S	68.910	W	119	?			1.3	12	SAN JUAN PROVINCE, ARGENTINA
	02	04	32	30.9•	38.269	N	25.452	E	10	G			1.4	8	AEGEAN SEA. ML 3.4 (ATH).
	02	06	01	09.8	11.015	N	61.360	W	85				0.6	18	WINDWARD ISLANDS. MG 4.4 (CRM). Felt (III) on northern Trinidad.

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	02	07	38	56.1•	3.016	S	147.642	E	10	G	4.4	1.5	13	BISMARCK SEA
	02	07	48	38.8&	37.480	N	118.810	W	6	G			7	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	02	08	16	37.4%	31.693	S	69.229	W	109	?		0.4	6	SAN JUAN PROVINCE, ARGENTINA
	02	08	47	51.4?	31.38	S	67.84	W	33	N		1.2	5	SAN JUAN PROVINCE, ARGENTINA
	02	09	42	54.5?	8.45	S	129.78	E	228	?		0.2	5	TIMOR SEA
	02	09	56	33.6	39.102	N	27.713	E	10	G		0.5	6	TURKEY
	02	10	10	05.9&	59.910	N	153.128	W	109				30	SOUTHERN ALASKA. <AGS-P>.
a	02	10	12	45.6	34.846	N	28.314	E	46		5.4	4.5	1.2	279	EASTERN MEDITERRANEAN SEA
	02	12	28	13.6&	36.465	N	121.033	W	9					10	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	02	12	57	51.6	39.025	N	27.769	E	10	G			1.2	6	TURKEY
	02	13	41	18.0	71.171	N	6.213	W	10	G	4.4		1.1	46	JAN MAYEN ISLAND REGION
a	02	13	57	54.9	20.253	N	45.498	W	10	G	5.2	5.1	1.2	84	NORTH ATLANTIC RIDGE
	02	14	02	13.8•	25.113	S	177.092	W	172	?	4.2		1.5	18	SOUTH OF FIJI ISLANDS
	02	14	12	12.9•	20.370	N	45.478	W	10	G	4.8		1.1	26	NORTH ATLANTIC RIDGE
	02	14	27	00.9?	33.15	S	72.22	W	10	G			0.8	9	OFF COAST OF CENTRAL CHILE
	02	14	53	44.7	20.269	N	45.772	W	10	G	4.9	4.6	0.9	46	NORTH ATLANTIC RIDGE
	02	15	04	00.8	20.382	N	45.692	W	10	G	5.0	4.5	0.9	62	NORTH ATLANTIC RIDGE
	02	15	04	06.9?	5.22	N	94.40	E	66	?	4.5		1.3	9	NORTHERN SUMATERA
	02	15	23	29.6&	33.000	N	117.760	W	10					13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	02	15	25	09.1?	17.82	S	177.01	W	385		4.1		0.6	15	FIJI ISLANDS REGION
	02	15	53	34.8•	38.905	N	40.273	E	10	G	4.4		1.4	20	TURKEY
	02	16	18	53.3•	36.937	N	29.824	E	10	G			0.2	5	TURKEY
	02	16	22	56.6%	40.826	N	27.595	E	10	G			0.9	5	TURKEY
	02	17	00	59.0	39.054	N	27.705	E	10	G			1.4	8	TURKEY
	02	17	12	28.5	85.194	N	15.682	E	10	G	4.8		1.2	56	NORTH OF SVALBARD
	02	17	17	57.7	85.269	N	15.755	E	10	G	4.8	4.3	0.9	66	NORTH OF SVALBARD
	02	18	52	46.9?	20.69	S	68.32	W	33	N			0.9	5	CHILE-BOLIVIA BORDER REGION
	02	19	35	05.4	39.078	N	27.721	E	10	G			1.2	9	TURKEY
a	02	20	15	32.9	2.892	N	127.258	E	46		5.6	4.9	1.3	126	MOLUCCA PASSAGE
	02	21	23	16.0	39.072	N	27.717	E	10	G			0.8	7	TURKEY
	02	21	31	29.9•	39.095	N	27.805	E	10	G			0.7	5	TURKEY
	02	21	35	24.1?	31.83	S	68.30	W	105	?			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	02	21	37	00.9	53.877	N	161.303	E	33	N	4.7	4.5	0.8	52	OFF EAST COAST OF KAMCHATKA
	02	21	40	34.3•	2.980	N	127.502	E	33	N	4.4		1.4	12	MOLUCCA PASSAGE
	02	21	44	45.0	40.757	N	22.076	E	10	G			0.6	11	GREECE
	02	22	56	44.4&	37.530	N	118.450	W	6	G				14	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	02	23	57	18.9	46.728	N	13.135	E	10	G			1.1	13	AUSTRIA. MD 3.1 (KBA). Felt (V) in the Kotschach-Mauthen area.
	03	01	17	29.9?	43.03	N	18.01	E	10	G			0.8	5	YUGOSLAVIA. ML 2.2 (TTG).
	03	01	44	24.3•	42.665	N	18.253	E	13	G			0.4	8	YUGOSLAVIA. ML 2.8 (TTG).
	03	02	12	27.3•	27.622	S	69.901	W	33	N			0.5	6	NORTHERN CHILE
	03	02	29	23.6•	39.116	N	27.824	E	10	G			1.5	6	TURKEY
	03	02	58	38.7?	61.71	N	2.54	E	10	G			1.2	5	NORWEGIAN SEA. MD 2.0 (BER).
	03	07	06	54.5	1.620	N	98.967	E	126		5.2		0.9	117	NORTHERN SUMATERA
	03	07	19	37.2	31.570	S	69.558	W	131		4.4		0.8	19	SAN JUAN PROVINCE, ARGENTINA
	03	07	48	37.0	39.474	N	75.289	E	14		4.7		0.9	51	SOUTHERN XINJIANG, CHINA
a	03	09	34	32.3•	52.279	S	13.506	E	10	G	5.3	4.5	1.3	37	SOUTHWEST OF AFRICA
	03	09	34	43.5	39.066	N	27.846	E	10	G			1.2	14	TURKEY
	03	10	28	34.6•	38.132	N	20.089	E	10	G			1.0	16	GREECE. ML 3.8 (ATH).
	03	12	25	01.2•	7.053	S	149.445	E	40	?	4.5		1.5	8	NEW BRITAIN REGION
	03	13	10	04.7•	9.464	N	122.587	E	73	•	4.7		1.0	12	NEGROS, PHILIPPINE ISLANDS
	03	13	33	51.6&	40.305	N	125.153	W	5	G				7	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
	03	15	21	03.9	51.498	N	178.660	W	33	N	5.0		0.7	22	ANDREANOF ISLANDS, ALEUTIAN IS.
	03	17	47	51.8•	39.133	N	27.738	E	10	G			1.4	5	TURKEY
	03	18	01	10.3	2.942	S	139.038	E	33	N	4.5		1.2	20	NEAR N. COAST OF WEST IRIAN
	03	18	20	27.9•	17.962	S	69.564	W	143	•	4.1		1.3	9	PERU-BOLIVIA BORDER REGION
	03	19	52	53.5•	32.148	S	68.452	W	33	N			1.1	12	MENDOZA PROVINCE, ARGENTINA
	03	19	59	10.7•	4.545	S	149.288	E	562	•	4.5		0.6	10	BISMARCK SEA
	03	20	09	09.6•	30.953	S	72.173	W	10	G			1.0	13	OFF COAST OF CENTRAL CHILE
	03	20	09	38.3•	32.708	N	137.585	E	371		4.3		0.7	15	SOUTH OF HONSHU, JAPAN
	03	23	13	57.1	31.211	S	68.219	W	112	•			1.0	16	SAN JUAN PROVINCE, ARGENTINA
	04	00	07	22.5•	47.676	N	14.690	E	10	G			0.7	6	AUSTRIA. ML 3.6 (VKA), 2.8 (KBA). Felt (IV) at Trafaiach.
	04	01	37	32.3	39.083	N	27.750	E	10	G			1.0	9	TURKEY
a	04	02	00	08.0	2.982	N	128.036	E	106	G	5.8		1.0	278	HALMAHERA. Depth from broadband displacement seismograms.
	04	02	38	08.3•	39.107	N	27.649	E	10	G			1.2	8	TURKEY
	04	04	29	57.1?	42.40	N	84.63	E	33	N	4.0		1.2	7	NORTHERN XINJIANG, CHINA
	04	04	57	03.2•	40.472	N	63.200	E	33	N	4.3		0.8	7	UZBEK SSR. Felt (IV) at Gazli and (III) at Nurata.
	04	05	25	37.5•	19.904	N	144.430	E	447	•	4.5		0.7	22	MARIANA ISLANDS
	04	05	55	47.6	22.602	S	69.113	W	157	•			1.1	12	NORTHERN CHILE
	04	06	57	15.1	39.342	N	23.189	E	10	G			0.6	9	AEGEAN SEA. ML 3.4 (ATH).
	04	08	05	00.6%	44.499	N	7.457	E	26				0.6	13	NORTHERN ITALY. ML 2.8 (LDG).
	04	08	10	55.3•	32.682	S	69.935	W	33	N			1.4	11	MENDOZA PROVINCE, ARGENTINA
	04	08	57	41.8?	14.98	S	71.43	W	33	N			1.0	6	PERU
	04	09	10	35.1	6.951	S	123.796	E	641		5.4		1.0	65	BANDA SEA
	04	09	38	00.8?	50.25	N	19.00	E	10	G			0.2	4	POLAND. ML 3.0 (KRA).
	04	09	44	14.1	39.098	N	27.823	E	10	G			1.3	8	TURKEY
	04	10	40	54.8?	35.31	S	71.09	W	33	N			0.8	10	CENTRAL CHILE
	04	11	14	46.8	23.907	S	67.650	W	274	•			1.5	10	CHILE-ARGENTINA BORDER REGION
	04	16	51	35.0	41.315	N	22.675	E	10	G			0.3	10	YUGOSLAVIA. ML 2.0 (SKO).
	04	17	29	57.8•	41.285	N	22.402	E	10	G			1.4	8	YUGOSLAVIA. ML 1.9 (SKO).
	04	17	43	15.0%	40.123	N	23.332	E	10	G			1.5	5	GREECE
	04	17	48	08.0•	23.081	S	66.804	W	224	•			1.0	8	JUJUY PROVINCE, ARGENTINA
	04	18	08	02.0•	32.605	S	71.701	W	10	G			0.6	9	NEAR COAST OF CENTRAL CHILE
	04	19	43	32.0?	22.39	S	179.49	E	587	?	4.8		1.2	12	SOUTH OF FIJI ISLANDS
	04	19	55	11.3	41.338	N	22.690	E	10	G			0.6	7	YUGOSLAVIA. ML 1.9 (SKO).
	04	21	25	26.5•	12.775	S	76.899	W	75	?			0.8	11	NEAR COAST OF PERU. Felt (III) at Lima.
	04	22	01	17.7•	13.395	N	44.838	W	10	G		4.0	1.2	10	NORTH ATLANTIC RIDGE
	04	22	48	42.0•	9.170	N	126.708	E	33	N	4.3		1.3	12	MINDANAO, PHILIPPINE ISLANDS
	04	23	14	08.3%	43.204	N	5.164	E	10	G			1.5	9	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG).
	04	23	26	36.0•	6.135	S	154.094	E	109	•	4.3		0.9	10	SOLOMON ISLANDS
	04	23	26	46.1	41.703	N	19.524	E	10	G			1.2	11	ALBANIA. ML 2.5 (TTG).

	05	02	04	14.6*	5.287	S	153.432	E	33	N	4.5		1.1	10	NEW IRELAND REGION
	05	02	08	50.0*	33.612	S	57.241	E	10	G	4.8		1.5	16	ATLANTIC-INDIAN RISE
	05	02	10	00.5*	31.596	S	69.371	W	143	?			0.8	14	SAN JUAN PROVINCE, ARGENTINA
	05	03	01	57.5?	48.09	S	104.65	E	10	G	4.5	4.3	1.3	12	SOUTHEAST INDIAN RISE
	05	03	25	57.5	51.252	N	176.131	W	33	N	4.9		0.9	84	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR). Felt (II) on Adak.
	05	03	27	06.7?	38.44	N	25.07	E	10	G			0.2	4	AEGEAN SEA. ML 3.2 (ATH).
	05	03	36	35.0*	21.955	S	68.641	W	138	?			1.0	11	CHILE-BOLIVIA BORDER REGION
	05	04	37	20.1*	5.118	S	151.649	E	113	?	4.0		0.5	7	NEW BRITAIN REGION
	05	04	38	42.7*	32.438	S	71.498	W	33	N			0.5	9	NEAR COAST OF CENTRAL CHILE
	05	05	02	03.7&	59.851	N	152.964	W	96					26	SOUTHERN ALASKA. <AGS-P>.
	05	05	12	15.9	34.672	N	23.317	E	15	D	5.0	4.3	1.2	203	CRETE
	05	05	42	50.3	32.294	S	69.791	W	149	?			0.3	14	MENDOZA PROVINCE, ARGENTINA
	05	06	07	42.7	41.650	N	19.454	E	10	G			1.0	12	ALBANIA. ML 2.9 (TTG).
a	05	07	21	37.3	23.801	S	112.034	W	10	G	5.2	4.9	1.1	78	EASTER ISLAND REGION
	05	07	22	29.7	44.498	N	7.311	E	10	G			0.7	11	NORTHERN ITALY. ML 2.8 (LDG).
	05	07	31	20.8*	14.555	N	119.934	E	81	?	4.3		0.4	7	LUZON, PHILIPPINE ISLANDS
	05	08	55	21.4	43.586	N	20.939	E	10	G			1.1	22	YUGOSLAVIA. ML 4.0 (TTG). Felt (VI) in the Mt. Kopoonik oreo.
	05	09	12	10.9	17.010	N	62.286	W	24				1.0	21	LEEWARD ISLANDS. ML 3.9 (FDF). Felt (II) ot Pointe-a-Pitre, Guadeloupe.
	05	10	11	53.1%	28.872	S	67.323	W	129	?			0.3	6	LA RIOJA PROVINCE, ARGENTINA
	05	10	12	49.0	39.061	N	27.833	E	10	G			1.4	7	TURKEY
	05	10	15	53.9?	30.97	S	73.31	W	33	N			0.8	10	OFF COAST OF CENTRAL CHILE
	05	11	56	53.0?	40.61	N	21.35	E	33	N			1.5	5	GREECE
	05	12	51	43.3*	23.893	S	66.989	W	196		4.2		1.3	17	JUJUY PROVINCE, ARGENTINA
a	05	13	15	45.5	23.716	S	111.993	W	10	G	5.4	5.1	1.2	104	EASTER ISLAND REGION
	05	15	41	58.9&	60.194	N	153.284	W	134					24	SOUTHERN ALASKA. <AGS-P>.
	05	15	47	33.5&	38.640	N	112.559	W	1	G				17	UTAH. <SLC-P>. ML 3.3 (SLC). Felt (III) ot Elsinore.
	05	16	42	28.2?	39.09	N	27.72	E	10	G			1.6	5	TURKEY
a	05	18	53	20.9	30.546	S	28.737	E	5	G	4.9	4.8	1.0	99	REPUBLIC OF SOUTH AFRICA. Some domoge near Mount Frere. Felt (IV) ot Durbon, Aliwol North ond Umtoto; (III) at Pietermoritzburg, Port Alfred ond Sterkstroom.
	05	19	50	05.2%	46.411	N	2.473	E	10	G			0.5	8	FRANCE. ML 2.0 (LDG).
	05	20	30	29.2	5.368	S	151.507	E	113		5.0		1.0	31	NEW BRITAIN REGION
	05	20	40	22.3	38.564	S	15.979	W	10	G	5.0	4.7	0.8	23	TRISTAN DA CUNHA REGION
	05	21	28	36.6&	60.204	N	152.729	W	105					37	SOUTHERN ALASKA. <AGS-P>.
	05	21	56	59.1&	36.945	N	121.688	W	6					15	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
o	05	21	57	20.5	43.493	N	127.252	W	10	G	5.1	5.1	1.1	161	OFF COAST OF OREGON
	05	23	46	32.9*	39.053	N	27.888	E	10	G			0.3	5	TURKEY
	06	02	21	46.4	26.674	N	54.580	E	61	*	4.9		1.1	157	SOUTHERN IRAN. Felt in the Bondor-e Lengeh oreo.
	06	03	07	48.5*	21.145	S	67.439	W	179	?			1.3	9	CHILE-BOLIVIA BORDER REGION
	06	04	04	47.7	39.123	N	27.827	E	14				1.1	17	TURKEY
o	06	04	21	46.7	51.863	N	176.257	W	43	D	5.1	4.2	1.0	170	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak.
	06	06	06	50.4	39.083	N	27.737	E	10	G			1.5	9	TURKEY
	06	07	03	20.7*	44.229	N	129.524	W	10	G	4.5		1.2	19	OFF COAST OF OREGON
a	06	07	11	02.9	56.825	S	26.624	W	88	D	5.4		0.9	124	SOUTH SANDWICH ISLANDS REGION
	06	07	42	41.3	46.255	N	13.086	E	24				1.3	45	AUSTRIA. ML 4.1 (GRF), 3.8 (FUR), 3.6 (LDG).
	06	11	17	13.1	38.828	N	122.751	W	5	G			0.8	9	NORTHERN CALIFORNIA. ML 2.8 (BRK).
	06	11	37	55.6*	33.029	S	71.702	W	10	G			0.6	10	NEAR COAST OF CENTRAL CHILE
	06	11	45	34.7	10.936	S	74.728	W	10	G	4.4		1.1	9	PERU
	06	12	13	26.1*	51.397	N	175.771	W	33	N	4.5		1.7	13	ANDREANOF ISLANDS, ALEUTIAN IS.
	06	13	14	42.8	15.328	N	60.804	W	25	*			0.2	10	LEEWARD ISLANDS. ML 2.4 (FDF).
	06	14	17	04.3?	30.82	S	72.08	W	33	N			1.3	6	OFF COAST OF CENTRAL CHILE
	06	15	31	47.2?	51.56	N	16.29	E	15				0.4	8	POLAND. ML 3.6 (GRF), 3.3 (KBA).
	06	19	15	32.3	44.329	N	7.487	W	10	G			1.0	26	NORTH ATLANTIC OCEAN. MG 3.4 (MDD).
	06	21	21	10.8*	46.302	N	14.231	E	33	N			1.4	6	YUGOSLAVIA. ML 3.0 (KBA). Felt (V) at Ferloch, Austria.
	06	21	38	38.6%	31.584	S	68.043	W	10	G			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	06	22	18	18.7	46.558	N	0.077	E	10	G			1.2	11	FRANCE. ML 3.1 (LDG).
	06	22	25	41.6*	11.915	N	57.802	E	10	G	4.4		1.2	9	ARABIAN SEA
	06	22	35	34.4%	46.547	N	0.068	E	10	G			1.5	13	FRANCE. ML 2.6 (LDG).
	06	23	21	54.4*	38.222	N	20.752	E	10	G			0.8	11	GREECE. ML 3.6 (ATH).
	06	23	28	07.2	25.498	N	102.422	E	10	G	5.4	4.5	1.0	179	YUNNAN PROVINCE, CHINA. Severol people injured and some houses domoged in the Fumin oreo.
	06	23	32	38.1*	37.637	N	118.495	W	5	G			0.9	7	CALIFORNIA-NEVADA BOROER REGION. ML 3.0 (NEIS).
	07	01	01	58.7?	7.40	S	27.74	E	10	G			0.9	5	ZAIRE REPUBLIC. MG 4.0 (BUL).
	07	03	00	28.5%	14.923	N	60.360	W	32				0.3	10	WINDWARD ISLANDS. ML 3.4 (FDF).
	07	04	26	07.8*	3.662	N	124.402	E	337	*	4.3		1.2	19	CELEBES SEA
	07	04	50	13.7*	32.078	S	69.827	W	33	N			0.9	10	MENDOZA PROVINCE, ARGENTINA
	07	04	56	12.6	8.103	N	126.444	E	118	*	5.0		1.2	50	MINDANAO, PHILIPPINE ISLANDS
	07	05	39	13.3?	28.32	S	71.41	W	33	N			0.6	9	NEAR COAST OF CENTRAL CHILE
	07	05	44	52.8*	31.296	S	68.236	W	102	*			0.6	11	SAN JUAN PROVINCE, ARGENTINA
	07	06	42	09.7	6.830	N	73.047	W	158		5.0		1.1	65	NORTHERN COLOMBIA. Felt at Medellin, Manizoles ond Bogota.
	07	10	43	35.1*	15.029	N	60.501	W	33	N			0.6	10	LEEWARD ISLANDS. ML 3.6 (FDF). Felt (II) on Mortinique.
o	07	11	40	55.0	31.907	N	137.676	E	400		5.1		1.0	258	SOUTH OF HONSHU, JAPAN. Felt (I JMA) ot Tokyo, Onohoma, Sendai, Utsunomiya and Yokohomo.
	07	11	46	01.2*	13.155	N	89.948	W	33	N	4.6	3.9	1.5	15	EL SALVADOR
	07	12	35	03.2	38.947	N	107.090	W	5	G			0.3	8	COLORADO. ML 1.8 (NEIS). Felt in the Crested Butte oreo.
a	07	14	03	44.5	16.599	S	167.314	E	10	G	5.7	5.2	1.1	144	VANUATU ISLANDS
	07	14	07	32.3%	33.724	S	71.802	W	10	G			0.5	9	NEAR COAST OF CENTRAL CHILE
	07	14	26	24.1&	60.052	N	153.401	W	134					21	SOUTHERN ALASKA. <AGS-P>.
	07	14	34	18.4*	32.602	S	69.928	W	33	N			1.4	11	MENDOZA PROVINCE, ARGENTINA
	07	14	40	11.3*	51.513	N	175.851	W	33	N	4.7		1.4	28	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	15	02	45.8?	3.02	N	128.17	E	111	?	4.4		0.7	8	NORTH OF HALMAHERA
	07	15	36	21.8?	36.58	N	25.86	E	10	G			1.6	5	DODECANESE ISLANDS. ML 3.6 (ATH).
	07	16	51	08.2%	15.453	N	60.688	W	33	N			0.3	10	LEEWARD ISLANDS. ML 2.7 (FDF).
	07	17	44	15.2?	34.32	N	31.18	E	33	N			1.5	8	CYPRUS
	07	17	54	00.1	6.828	S	124.876	E	569	*	4.2		1.0	23	BANDA SEA
	07	19	30	22.2*	6.094	S	130.114	E	189	*	5.1		1.4	15	BANDA SEA
	07	19	55	07.8	10.138	S	161.044	E	111		4.9		0.8	58	SOLOMON ISLANDS
	07	21	00	01.2	46.364	N	12.474	E	10	G			1.2	24	NORTHERN ITALY. ML 2.6 (KBA).

	07	22 00 50.3%	60.715	N	5.591	E	10	G			0.5	6	SOUTHERN NORWAY. ML 1.9 (BER).
	07	22 23 34.8?	47.80	N	8.06	E	10	G			0.3	5	SWITZERLAND. ML 2.5 (LDG).
	07	22 27 29.3&	59.814	N	153.588	W	135					21	SOUTHERN ALASKA. <AGS-P>.
	07	22 39 08.4•	25.379	N	102.619	E	33	N	4.2		1.5	5	YUNNAN PROVINCE, CHINA
	07	23 05 12.4&	61.377	N	147.206	W	35					33	SOUTHERN ALASKA. <AGS-P>.
a	08	00 09 22.4	80.312	N	1.742	W	10	G	5.1	4.7	0.9	197	NORTH OF SVALBARD
	08	00 44 26.8?	50.28	N	176.38	W	33	N	4.4		1.0	8	ANDREANOF ISLANDS, ALEUTIAN IS.
	08	02 05 23.5?	32.79	S	179.32	W	145	?	4.6		1.4	10	SOUTH OF KERMADEC ISLANDS
	08	02 52 42.0?	35.03	S	179.66	W	33	N	4.9		1.3	9	EAST OF NORTH ISLAND, N.Z.
	08	04 06 03.4%	33.345	S	71.676	W	28	•			0.3	9	NEAR COAST OF CENTRAL CHILE
	08	05 51 36.3	21.946	S	170.472	E	90	•	4.8		1.2	32	LOYALTY ISLANDS REGION
	08	07 45 07.8%	39.157	N	27.894	E	10	G			1.0	6	TURKEY
	08	08 55 21.9•	44.452	N	129.850	W	10	G	4.0		1.1	18	OFF COAST OF OREGON
	08	11 47 57.6•	31.514	S	69.033	W	29	•			1.4	13	SAN JUAN PROVINCE, ARGENTINA
	08	12 41 23.6•	2.043	S	137.875	E	33	N	4.1		1.1	19	WEST IRIAN
	08	14 52 13.9	8.509	N	126.878	E	65	•	4.9		1.3	67	MINDANAO, PHILIPPINE ISLANDS
	08	14 54 04.8?	20.99	S	177.90	W	433	?	4.1		0.4	13	FIJI ISLANDS REGION
	08	14 58 07.9&	57.208	N	149.677	W	44					28	GULF OF ALASKA. <AGS-P>.
	08	16 00 53.5%	39.054	N	27.868	E	10	G			0.1	5	TURKEY
	08	16 16 35.0	3.711	S	139.862	E	10	G	3.9		1.1	19	WEST IRIAN
	08	16 37 54.0•	2.224	N	126.457	E	33	N	4.4		1.3	18	MOLUCCA PASSAGE
	08	16 54 42.9•	32.771	S	69.888	W	33	N			1.4	10	MENDOZA PROVINCE, ARGENTINA
	08	19 00 50.0&	61.561	N	146.465	W	37					31	SOUTHERN ALASKA. <AGS-P>.
	08	20 01 58.9	18.858	N	144.785	E	33	N	4.5		1.0	27	MARIANA ISLANDS
	08	20 18 46.0	46.379	N	12.464	E	10	G			1.2	36	NORTHERN ITALY. ML 3.4 (GRF), 3.2 (LDG), 2.9 (KBA), 2.8 (TRI). Felt (IV) in the Lorenzogo-Forni di Sotto-Vigo oreo.
	08	20 25 02.6•	50.143	N	19.222	E	10	G			1.1	5	POLAND. ML 3.0 (VKA).
	08	20 30 40.8%	31.416	S	68.504	W	112	?			0.6	6	SAN JUAN PROVINCE, ARGENTINA
	08	20 43 01.0&	58.323	N	153.408	W	67					13	KODIAK ISLAND REGION. <AGS-P>.
	08	22 02 57.5	36.889	N	26.365	E	10		4.5		1.0	22	DODECANESE ISLANDS. ML 4.2 (ATH).
	08	22 34 13.5%	40.855	N	23.728	E	10	G			0.2	7	GREECE
	08	23 55 42.4•	3.096	N	128.515	E	211	?	5.1		1.0	28	NORTH OF HALMAHERA
	09	00 36 06.8?	38.69	N	26.05	E	10	G			0.7	6	AEGEAN SEA
	09	00 59 52.5	50.938	N	172.817	W	33	N	4.7		1.0	57	ANDREANOF ISLANDS, ALEUTIAN IS.
	09	01 21 06.1&	62.129	N	149.544	W	58		4.5			86	CENTRAL ALASKA. <AGS-P>. Felt (III) ot Anchoroge ond (II) ot Tolkeetno.
	09	02 06 23.0&	37.297	N	121.688	W	5					13	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	09	03 27 03.1	3.385	S	103.023	E	195		5.0		0.9	125	SOUTHERN SUMATERA
	09	05 37 25.2	37.358	N	118.335	W	10	G			0.5	28	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK). Felt (III) ot Lone Pine, Colifornio. Also felt in the Bishop, Colifornio oreo.
	09	06 02 06.6%	33.859	S	70.808	W	33	N			0.9	8	CHILE-ARGENTINA BORDER REGION
	09	06 53 29.2•	33.329	S	71.720	W	10	G			1.0	10	NEAR COAST OF CENTRAL CHILE
	09	08 11 16.8?	38.99	N	27.57	E	10	G			0.7	5	TURKEY
	09	09 42 41.5•	43.961	N	114.756	W	5	G			0.7	7	WESTERN IDAHO. ML 3.1 (NEIS).
	09	10 08 53.3	46.398	N	7.442	E	6				1.1	42	SWITZERLAND. ML 3.4 (LDG).
	09	10 27 24.1?	43.10	N	4.64	E	10	G			1.0	6	NEAR SOUTH COAST OF FRANCE. ML 3.0 (LDG).
	09	10 40 54.7	20.944	S	68.454	W	127	•	4.4		1.4	29	CHILE-BOLIVIA BORDER REGION
	09	11 01 24.7?	18.12	S	178.44	W	611	•	4.0		1.1	24	FIJI ISLANDS REGION
	09	12 55 27.3	55.827	N	3.198	W	0	G			1.0	11	UNITED KINGDOM. ML 2.8 (BGS). Felt (IV) ot Rosewell. Felt olso ot Loonhead, Losswode ond Roslin. Probable cool bump.
	09	12 56 51.8	9.294	N	126.856	E	44	•	5.1	4.7	1.3	73	MINDANAO, PHILIPPINE ISLANDS
	09	13 37 08.7&	61.689	N	147.685	W	26					37	SOUTHERN ALASKA. <AGS-P>.
	09	13 59 28.7•	31.264	S	179.881	W	337	?	4.3		1.5	18	KERMADEC ISLANDS REGION
	09	14 58 31.6	2.951	N	128.018	E	125	•	5.1		1.1	88	HALMAHERA
	09	16 11 42.3?	17.92	S	177.11	W	397	•	4.2		0.8	15	FIJI ISLANDS REGION
	09	16 27 14.0	37.699	N	25.904	E	10	G	4.2		0.7	16	DODECANESE ISLANDS. ML 3.6 (ATH).
	09	16 46 26.4?	34.48	S	72.46	W	10	G			0.3	9	NEAR COAST OF CENTRAL CHILE
	09	18 06 42.7•	29.683	S	71.979	W	33	N			1.4	15	NEAR COAST OF CENTRAL CHILE
	09	18 13 44.0?	29.92	S	71.77	W	33	N			1.4	14	NEAR COAST OF CENTRAL CHILE
	09	18 29 13.5	43.845	N	31.570	E	33	N	3.7		1.5	21	BLACK SEA
	09	21 01 28.8	44.272	N	11.454	E	10	G			0.9	30	NORTHERN ITALY. ML 3.6 (KBA), 3.3 (LDG). MD 3.1 (TRI).
	10	00 34 14.4	39.629	S	176.231	E	54	•	4.6		0.9	21	NORTH ISLAND, NEW ZEALAND. Felt ot Napier, Polmerston North ond Feilding.
	10	03 59 51.1•	37.182	N	69.437	E	33	N	4.2		1.3	11	AFGHANISTAN-USSR BORDER REGION
	10	05 26 29.8	29.917	N	67.442	E	10	G	4.6		0.9	51	PAKISTAN
	10	05 50 46.7?	31.80	S	64.55	W	33	N			1.4	5	CORDOBA PROVINCE, ARGENTINA
	10	06 16 00.0	23.586	S	68.698	W	86		5.1		1.2	71	NORTHERN CHILE. Felt ot Colomo.
	10	08 59 19.8	30.336	N	94.917	E	26		4.8		1.0	53	TIBET
	10	09 02 16.4&	59.764	N	138.394	W	1		3.8			16	SOUTHEASTERN ALASKA. <AGS-P>.
	10	09 57 09.8?	39.63	N	23.53	E	10	G			1.3	8	AEGEAN SEA
	10	10 57 11.8•	36.282	N	71.236	E	114	?	4.6		1.4	10	AFGHANISTAN-USSR BORDER REGION
	10	11 17 30.0%	59.201	N	7.194	E	0	G			0.5	8	SOUTHERN NORWAY. MD 1.9 (BER). Proboble explosion.
	10	11 48 54.1&	60.332	N	152.211	W	73					24	SOUTHERN ALASKA. <AGS-P>.
	10	11 50 52.2	29.831	N	51.561	E	10	G	4.3		1.1	72	SOUTHERN IRAN. Felt in the Kazerun-Mamasoni oreo.
	10	15 23 02.6&	33.950	N	116.800	W	2					18	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt (IV) ot Angelus Oaks, Desert Hot Springs, North Palm Springs, Palm Springs ond Thousand Palms. Felt (III) ot Anzo, Forest Falls and Rancho Miroge.
	10	15 35 37.1	12.306	N	143.737	E	24		4.8		1.0	34	SOUTH OF MARIANA ISLANDS
	10	17 16 28.7	45.512	N	26.309	E	132		4.2		1.1	40	ROMANIA
	10	17 47 53.4	40.576	N	23.441	E	10	G			1.2	11	GREECE
	10	17 48 24.6	7.498	S	107.233	E	82	D	5.6		1.1	173	JAVA
a	10	17 49 24.1	13.827	N	89.118	W	7	G	5.0	5.4	1.2	131	EL SALVADOR. Ms 5.5 (PAS). At leost 1,000 people killed, 10,000 injured, 200,000 homeless ond severe domoge in the San Salvador oreo. About 50 fotolities were the result of londslides in the epicentrol oreo. Some domoge ot Tegucigolpo, Honduros. Felt strongly in ports of Guotemolo and Honduras. Depth from broodbond displocement seismograms.
	10	18 03 27.4	13.754	N	89.197	W	5	G			0.8	14	EL SALVADOR

	10	18	06	25.6*	33.525	S	179.139	W	33	N	4.5		1.1	13	SOUTH OF KERMADEC ISLANDS
	10	18	10	27.3	44.572	N	147.419	E	111	D	4.5		0.8	39	KURIL ISLANDS
	10	18	18	19.8?	29.18	S	70.84	W	10	G			1.2	10	CENTRAL CHILE
	10	18	29	43.1?	31.31	S	68.84	W	101	?			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	10	18	44	29.1%	60.722	N	5.570	E	10	G			0.4	6	SOUTHERN NORWAY. MD 1.9 (BER).
	10	19	27	11.5	13.792	N	89.158	W	5	G	4.6		1.1	21	EL SALVADOR. Additionol domoge in the Son Salvodor areo.
a	10	20	18	36.3*	42.132	S	84.015	W	10	G	5.4	4.5	1.3	57	WEST CHILE RISE
	10	20	50	10.9	13.671	N	89.219	W	5	G			0.5	13	EL SALVADOR. MG 3.9 (GCG).
a	10	21	03	55.3	20.183	N	122.267	E	127	D	5.1		1.2	105	PHILIPPINE ISLANDS REGION. Felt (II RF) ot Posuquin.
	10	22	42	06.2	39.061	N	27.836	E	10	G			0.4	6	TURKEY
	11	00	38	11.5*	6.318	S	150.367	E	33	N	4.3		1.4	10	NEW BRITAIN REGION
	11	02	09	47.1	44.849	N	17.322	E	10	G			1.2	39	YUGOSLAVIA. ML 3.7 (TRI), 3.7 (VKA), 3.6 (TTG). Felt (V) at Banjo Luko. Also felt ot Novo Grodiska.
	11	03	02	51.5	35.957	N	70.275	E	103		4.8		0.8	91	HINDU KUSH REGION
	11	03	36	23.1?	6.99	S	130.46	E	121	?	4.2		0.6	7	BANDA SEA
	11	04	56	20.8?	0.40	S	125.44	E	33	N	4.5		1.1	11	MOLUCCA SEA
	11	05	17	36.2&	37.842	N	121.940	W	7					24	CENTRAL CALIFORNIA. <BRK>. ML 4.7 (BRK). Felt (V) at Canyon, (IV) ot Cloyton, Donville, Dublin, Lafayette, Ooklond ond Pleosonton. Felt (III) ot Concord, Pittsburg, Richmond, Sunol and Union City. Also felt ot Berkeley, Costro Volley and Wolnut Creek.
	11	06	39	38.1&	37.825	N	121.952	W	6					14	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=2.9*10**21 (BRK).
a	11	09	00	10.5	37.931	N	28.574	E	5	G	5.5	5.5	1.1	260	TURKEY. ML 5.5 (ATH). Three people injured and at least 50 homes destroyed ond 150 domaged in the Aydin areo; olso felt in the Denizli-Izmir-Maniso area and on the Dodecanese Islonds, Greece.
	11	09	23	04.9%	37.882	N	28.420	E	10	G			1.1	5	TURKEY
	11	09	49	54.7	28.136	S	71.372	W	33	N	5.0	4.9	1.4	29	NEAR COAST OF CENTRAL CHILE
	11	10	28	50.1%	37.864	N	28.430	E	10	G			0.9	6	TURKEY
	11	12	43	46.0	33.442	S	72.224	W	17	D	5.0	4.4	1.2	69	OFF COAST OF CENTRAL CHILE. Felt (III) at Volporaiso. Also felt ot Sontiago.
	11	13	15	44.9%	42.772	N	19.172	E	10	G			0.3	6	YUGOSLAVIA. ML 2.3 (TTG).
	11	13	16	43.8	42.534	N	145.002	E	48	D	5.2	4.5	0.9	143	HOKKAIDO, JAPAN REGION. Felt (III JMA) ot Kushiro ond (I JMA) ot Nemuro.
	11	13	38	43.5*	5.917	S	104.170	E	33	N	4.3		1.3	14	SOUTHERN SUMATERA
	11	14	04	53.6?	0.95	N	120.09	E	33	N	4.5		1.0	9	MINAHASSA PENINSULA
	11	15	45	22.4%	33.703	S	71.903	W	10	G			0.2	6	NEAR COAST OF CENTRAL CHILE
	11	16	04	06.3%	37.954	N	27.976	E	10	G			0.4	5	TURKEY
	11	17	05	03.5%	45.698	N	8.181	E	10	G			0.5	5	NORTHERN ITALY
	11	19	03	50.8*	19.108	S	68.968	W	31	*			0.6	6	CHILE-BOLIVIA BORDER REGION
	11	20	01	57.2*	31.429	S	71.915	W	33	N			1.0	14	NEAR COAST OF CENTRAL CHILE
	11	21	20	43.4%	39.045	N	27.836	E	10	G			0.7	6	TURKEY
	11	21	34	48.1*	6.831	N	75.116	W	75	*	5.1		1.4	15	NORTHERN COLOMBIA
	11	22	23	39.6*	48.871	N	128.184	W	10	G			1.2	14	VANCOUVER ISLAND REGION
	11	22	26	30.3	48.922	N	127.861	W	10	G	4.5		1.1	22	VANCOUVER ISLAND REGION
	11	22	54	20.6	48.960	N	127.951	W	10	G	4.2		1.2	28	VANCOUVER ISLAND REGION
	11	23	17	38.8%	39.032	N	27.876	E	10	G			0.2	5	TURKEY
	12	00	15	25.3&	60.455	N	150.890	W	61					30	KENAI PENINSULA, ALASKA. <AGS-P>.
	12	00	52	17.7*	45.732	N	26.801	E	140	G			1.0	9	ROMANIA
	12	03	23	21.8*	37.794	N	21.240	E	10	G			1.3	5	SOUTHERN GREECE. ML 3.4 (ATH).
	12	03	40	34.8	54.690	N	161.830	E	33	N	5.0	4.5	0.8	97	NEAR EAST COAST OF KAMCHATKA
	12	03	58	19.9	54.774	N	161.919	E	33	N	5.0	4.7	0.9	86	NEAR EAST COAST OF KAMCHATKA
	12	04	13	12.4	13.635	N	89.239	W	5	G			0.5	15	EL SALVADOR. MG 4.3 (GCG).
	12	06	29	27.7?	33.47	N	61.90	E	33	N	4.4		1.1	21	NORTHWESTERN AFGHANISTAN. ML 4.4 (MHI). Felt at Qoen, Iron.
	12	06	43	02.1&	38.720	N	123.500	W	13		4.2			36	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 4.0 (BRK). Mo=1.7*10**22 (BRK). Felt (V) ot Seo Ronch, (IV) ot Annopolis ond Guolala. Felt (III) ot Manchester, Point Areno ond Villo Grande.
a	12	06	53	48.7	57.814	S	25.575	W	33	N	5.0		1.0	37	SOUTH SANDWICH ISLANDS REGION
	12	07	15	46.5&	60.250	N	152.714	W	97					32	SOUTHERN ALASKA. <AGS-P>.
	12	07	22	02.6?	17.60	S	177.26	W	391		4.1		1.1	29	FIJI ISLANDS REGION
	12	08	07	12.0*	4.915	S	77.250	W	136	*	4.4		1.1	18	NORTHERN PERU
	12	08	56	52.8?	14.11	N	60.00	W	10	G			0.4	6	WINDWARD ISLANDS. ML 3.2 (FDF).
	12	09	54	56.2%	39.237	N	27.675	E	10	G			0.5	5	TURKEY
	12	10	17	56.9&	57.251	N	155.244	W	63					24	ALASKA PENINSULA. <AGS-P>.
	12	11	13	39.9	39.636	N	28.984	E	12				1.0	36	TURKEY
	12	11	30	50.0?	34.76	N	139.03	E	33	N			1.5	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) ot Ajiro, (II JMA) on Oshimo and (I JMA) ot Mishimo.
	12	11	40	36.6	39.659	N	28.970	E	10	G			1.0	11	TURKEY
	12	13	10	32.6	0.324	S	124.339	E	33	N	4.8		1.2	35	MOLUCCA SEA
	12	14	51	05.7*	12.809	S	76.776	W	56	?			1.2	11	NEAR COAST OF PERU. Felt (III) ot Limo.
	12	14	53	01.9	39.644	N	29.012	E	1				0.7	12	TURKEY
	12	15	31	11.7*	3.915	N	85.011	E	10	G	4.8		1.1	10	NORTH INDIAN OCEAN
	12	15	36	18.9*	24.076	S	179.682	W	538	*	5.3		1.2	30	SOUTH OF FIJI ISLANDS
	12	15	51	10.6%	39.633	N	28.992	E	9				1.3	10	TURKEY
	12	16	27	32.8&	61.558	N	146.570	W	25					26	SOUTHERN ALASKA. <AGS-P>.
	12	16	29	11.3	30.373	N	94.863	E	33	N	4.7		1.2	35	TIBET
	12	16	37	03.1&	37.520	N	118.390	W	6	G				12	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	12	17	55	44.9%	39.652	N	29.029	E	10	G			1.1	7	TURKEY
	12	18	28	18.5%	39.014	N	27.801	E	10	G			1.4	8	TURKEY
	12	18	41	53.4	54.804	N	161.967	E	33	N	5.0	4.1	0.7	76	NEAR EAST COAST OF KAMCHATKA
	12	18	50	54.9&	60.110	N	147.074	W	28					34	SOUTHERN ALASKA. <AGS-P>.
	12	18	56	16.6*	7.252	S	122.408	E	574	*	4.9		0.9	18	FLORES SEA
	12	19	05	41.9&	60.102	N	147.070	W	30					34	SOUTHERN ALASKA. <AGS-P>.
	12	19	07	43.6	46.368	N	13.218	E	10	G			0.9	7	AUSTRIA. MD 2.7 (TRI), ML 2.5 (KBA).
	12	19	34	22.4	21.289	S	68.523	W	127	*	4.2		0.7	9	CHILE-BOLIVIA BORDER REGION
	12	19	40	37.2	46.280	N	7.622	E	5	G			1.0	29	SWITZERLAND. ML 2.8 (LDG).
	12	20	01	33.7	37.124	N	141.419	E	60		4.8		1.1	86	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) ot Onohama, Sendai, Utsunomiya, Fukushima ond Ishinomaki.
	12	21	32	18.3	37.102	N	8.844	W	10	G	4.1		1.3	38	PORTUGAL. Felt in Algorve Province.

	12	21	52	16.8?	31.82	S	179.76	E	421	?	4.8	1.7	19	KERMADEC ISLANDS REGION
	12	22	40	50.6*	27.179	N	101.449	E	33	N	4.4	1.2	12	SICHUAN PROVINCE, CHINA
	12	22	54	15.0*	29.343	S	69.322	W	33	N		1.3	8	CHILE-ARGENTINA BORDER REGION
	12	23	12	19.6*	5.934	N	72.320	W	33	N		1.5	10	COLOMBIA
	12	23	33	46.7	34.873	N	139.131	E	10	G		0.3	10	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshimo ond (I JMA) ot Tokyo, Mishimo, Ajiro and Toteyamo.
	12	23	34	11.8	66.205	N	17.447	W	10	G	4.2 3.9	1.3	30	ICELAND REGION
	13	01	39	00.2	22.367	S	171.324	E	95	*	5.2	1.5	64	LOYALTY ISLANDS REGION
	13	02	26	03.0&	62.753	N	143.388	W	26				25	CENTRAL ALASKA. <AGS-P>. ML 3.6 (PMR).
	13	04	13	06.2	37.464	N	3.217	W	10	G		1.0	7	SPAIN. MG 3.4 (MDD).
	13	05	07	54.1	42.956	N	13.210	E	9			1.2	50	CENTRAL ITALY. ML 4.1 (KBA), 3.8 (LDG), 3.6 (TRI).
	13	05	09	58.6	42.891	N	13.204	E	10	G	4.4	1.2	39	CENTRAL ITALY. ML 4.3 (KBA), 3.9 (LDG).
	13	05	56	47.0?	45.85	N	16.03	E	5	G		0.2	5	YUGOSLAVIA. MD 2.4 (TRI), ML 2.3 (KBA). Felt ot Zogreb.
	13	06	38	32.1?	28.73	S	68.00	W	113	?		1.4	9	LA RIOJA PROVINCE, ARGENTINA
	13	06	42	53.6*	31.301	S	69.143	W	131	?		0.9	14	SAN JUAN PROVINCE, ARGENTINA
	13	08	09	03.2	40.677	N	23.430	E	10	G		0.5	7	GREECE
	13	08	15	52.1?	33.11	S	71.83	W	33	N		1.2	9	NEAR COAST OF CENTRAL CHILE
	13	08	59	28.7?	33.12	S	71.81	W	33	N		1.3	9	NEAR COAST OF CENTRAL CHILE
	13	10	23	40.9	34.875	N	139.195	E	24		4.9	1.4	37	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Ajiro, Mishima and on Oshimo; (II JMA) at Toteyamo ond Yokohomo ond (I JMA) ot Tokyo ond Kumogoyo.
	13	10	44	32.9	31.272	S	69.341	W	33	N		1.5	13	SAN JUAN PROVINCE, ARGENTINA
	13	11	13	00.4*	19.959	N	70.738	W	10	G		1.2	12	DOMINICAN REPUBLIC REGION
	13	12	00	09.7	60.387	N	5.399	E	0	G		0.4	7	SOUTHERN NORWAY. MD 1.8 (BER). Proboble explosion.
	13	12	05	30.0&	62.148	N	149.493	W	48				18	CENTRAL ALASKA. <AGS-P>.
	13	12	06	07.1*	33.867	S	119.065	E	10	G		1.2	6	WESTERN AUSTRALIA
	13	13	44	?3.1*	33.089	N	139.512	E	28	*	4.7	1.0	12	SOUTH OF HONSHU, JAPAN
	13	14	57	01.0%	60.723	N	5.569	E	10	G		0.2	6	SOUTHERN NORWAY. MD 2.0 (BER).
a	13	16	11	40.4	36.067	N	70.848	E	117	D	5.4	1.2	216	HINDU KUSH REGION. Felt at Peshawor, Pokistan.
	13	20	07	21.8	23.396	S	68.516	W	117	*	5.2	1.6	30	NORTHERN CHILE. Felt (IV) at Toconoo. Also felt at Colomo.
	13	20	11	47.9?	16.95	N	104.93	W	10	G	3.7	1.2	8	OFF COAST OF MICHOACAN, MEXICO
a	13	21	17	50.9	37.102	N	141.011	E	65	G	5.7	0.9	357	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) ot Onohomo; (III JMA) ot Fukushimo, Shirokowo, Utsunomiyo, Sendoi ond Mito; (II JMA) at Tokyo, Kumogoya, Yokohomo and Ishinomaki; (I JMA) ot Moebashi, Ofunoto, Wokoyamo, Ajiro, Morioko, Miyoko, Akita ond Iido. Depth from broodbond displocement seismogroms.
	13	22	24	34.1	13.721	N	89.237	W	5	G		1.1	22	EL SALVADOR. MG 4.4 (GCG). Felt ot Son Solvodor.
	13	22	56	40.1	30.232	N	94.889	E	33	N	4.6	1.3	19	TIBET
	13	23	05	35.7%	35.105	N	135.718	E	10	G		0.2	5	SOUTHERN HONSHU, JAPAN. Felt (I JMA) ot Kyoto ond Osoko.
	13	23	23	19.0*	6.488	N	72.487	W	91	?		1.0	6	NORTHERN COLOMBIA
	14	01	45	11.6%	40.700	N	29.839	E	10	G		0.4	8	TURKEY
	14	02	08	46.0	24.042	N	122.377	E	61	*	4.8	1.1	29	TAIWAN REGION
	14	04	53	10.8	52.116	N	168.762	W	33	N	4.9	1.0	86	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
	14	06	17	02.6	26.280	S	27.456	E	5	G	4.5	1.3	9	REPUBLIC OF SOUTH AFRICA
	14	08	36	21.8	63.302	N	149.375	W	11			0.6	7	CENTRAL ALASKA. ML 3.0 (PMR).
	14	09	00	59.3	37.939	N	28.544	E	10	G		0.9	7	TURKEY
	14	10	48	26.0	63.288	N	149.439	W	22	*		0.5	8	CENTRAL ALASKA. ML 3.8 (PMR).
	14	10	57	01.7	63.300	N	149.436	W	29			0.7	8	CENTRAL ALASKA. ML 3.7 (PMR).
o	14	12	16	20.8*	37.019	S	95.884	W	10	G	5.0 4.6	1.1	40	SOUTHERN PACIFIC OCEAN
	14	12	17	53.3	44.023	N	114.674	W	5	G		1.1	12	WESTERN IDAHO. ML 3.9 (NEIS). Felt (IV) at Cloyton.
	14	12	19	15.8?	30.73	S	72.08	W	33	N		0.8	8	OFF COAST OF CENTRAL CHILE
o	14	13	07	19.1	43.142	S	41.776	E	10	G	5.4 5.6	1.5	56	PRINCE EDWARD ISLANDS REGION
	14	13	10	09.8	44.058	N	114.712	W	5	G		0.7	10	WESTERN IDAHO. ML 3.9 (NEIS).
	14	13	43	47.5	44.066	N	114.684	W	5	G		0.7	9	WESTERN IDAHO. ML 3.6 (NEIS).
	14	14	00	14.6%	60.499	N	5.381	E	10	G		0.7	7	SOUTHERN NORWAY. MD 1.5 (BER).
	14	14	03	02.0	25.035	N	91.976	E	33	N	4.7	1.1	17	INDIA-BANGLADESH BORDER REGION
	14	14	32	42.4*	16.971	N	99.712	W	33	N		1.0	6	NEAR COAST OF GUERRERO, MEXICO. Felt at Acopulco.
	14	14	34	56.6?	35.31	S	70.78	W	33	N		0.9	12	CHILE-ARGENTINA BORDER REGION
	14	15	24	42.0*	16.671	N	100.472	W	33	N		1.1	6	NEAR COAST OF GUERRERO, MEXICO. Felt ot Acapulco.
f	14	16	53	08.1	5.030	S	153.616	E	41	G	6.2 6.6	1.2	304	NEW IRELAND REGION. Ms 6.0 (PAS). Felt (V) at Roboul, New Britoin ond (IV) at Arawo ond Ponguno, Bougoinville. Depth from broodbond displocement seismograms.
	14	17	01	29.4?	31.93	S	72.04	W	33	N		0.3	8	OFF COAST OF CENTRAL CHILE
	14	17	27	04.5?	73.79	N	7.94	E	10	G	4.5	1.3	14	GREENLAND SEA
	14	17	56	49.1	5.058	S	153.605	E	76	*	4.1	0.8	15	NEW IRELAND REGION
	14	19	04	13.9	6.292	S	130.236	E	132	*	5.1	1.1	53	BANDA SEA
	14	20	07	45.3*	37.319	N	28.828	E	10	G		1.2	5	TURKEY
	14	20	32	52.7	39.108	N	27.818	E	10	G		0.7	9	TURKEY
	14	20	47	11.6*	16.974	N	99.732	W	33	N		1.5	8	NEAR COAST OF GUERRERO, MEXICO
	14	21	18	00.5	31.846	S	178.654	W	63	*	5.6	1.4	57	KERMADEC ISLANDS REGION
	14	21	54	55.7%	15.277	N	61.090	W	10	G		1.1	6	LEEWARD ISLANDS. ML 2.2 (FDF).
	14	22	09	58.1*	28.841	S	67.410	W	178	?		0.9	16	LA RIOJA PROVINCE, ARGENTINA
	15	00	03	35.0*	1.920	N	126.634	E	33	N	4.5	1.0	16	MOLUCCA PASSAGE
	15	00	07	56.0*	27.848	S	72.357	W	33	N		1.4	13	OFF COAST OF NORTHERN CHILE
	15	01	57	11.3	31.416	S	69.132	W	120	*		0.9	19	SAN JUAN PROVINCE, ARGENTINA
	15	02	09	24.9%	39.051	N	27.910	E	10	G		0.4	7	TURKEY
	15	02	28	47.7&	33.950	N	116.570	W	9		4.3		37	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.7 (PAS), 4.1 (BRK). Felt (V) at Coachella, Desert Hot Springs, La Quinta, Palm Springs, Rancho Mirage and Thousand Palms. Felt (IV) ot Beaumont, Forest Falls, Hemet, Indio, Joshua Tree, North Palm Springs, Palm Desert, Thermal, Twentynine Palms and Yucca Valley.
	15	04	49	08.7&	62.510	N	147.057	W	10				35	CENTRAL ALASKA. <AGS-P>. ML 3.1 (PMR).
	15	04	52	40.0%	46.314	N	2.566	E	17	*		0.2	9	FRANCE. ML 2.3 (LDG).
	15	05	27	08.8*	15.298	N	104.565	W	10	G	4.3 3.8	0.9	14	OFF COAST OF MICHOACAN, MEXICO
	15	05	46	17.2*	34.056	N	118.326	W	5	G		0.2	5	SOUTHERN CALIFORNIA. ML 2.7 (PAS). Felt at Glendale ond Burbank.
	15	05	56	29.2*	5.079	N	125.562	E	209	?	3.7	1.0	13	MINDANAO, PHILIPPINE ISLANDS
	15	06	11	33.0	32.458	S	69.998	W	115		4.8	0.9	23	MENDOZA PROVINCE, ARGENTINA

	15	06	22	50.9&	30.500	N	116.540	W	6	G			1	BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	15	07	19	16.5•	43.400	N	146.040	E	65	•	4.3	1.0	14	KURIL ISLANDS. Felt (II JMA) at Nemuro and (I JMA) at Kushiro, Hokkaida.
	15	08	19	17.8&	34.990	N	119.210	W	1				11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	15	08	23	24.1•	5.281	S	144.976	E	88	•	4.0	0.8	8	PAPUA NEW GUINEA
	15	09	15	48.3?	13.97	N	93.79	W	33	N	4.1	1.5	10	OFF COAST OF CHIAPAS, MEXICO
	15	09	53	04.8	22.111	S	67.449	W	168	?	4.6	0.7	9	CHILE-BOLIVIA BORDER REGION
	15	09	56	26.0	16.959	N	60.848	W	33	N	4.5 3.6	0.6	17	LEEWARD ISLANDS. ML 4.0 (FDF).
	15	09	58	43.7•	73.560	N	7.845	E	10	G	4.4	1.5	14	GREENLAND SEA
	15	12	06	53.3?	18.29	S	67.03	W	293	?		0.9	9	BOLIVIA
	15	12	07	29.6•	50.289	N	13.572	E	10	G		1.4	5	CZECHOSLOVAKIA. ML 3.5 (VKA), 3.2 (KBA).
	15	13	03	17.5%	39.097	N	27.608	E	10	G		0.8	6	TURKEY
a	15	13	14	29.4	6.228	S	146.848	E	90		5.4	1.2	97	EAST PAPUA NEW GUINEA REGION
	15	13	16	38.7	19.909	N	121.281	E	33	N	4.8 4.5	1.1	37	PHILIPPINE ISLANDS REGION
	15	14	05	47.3	36.379	N	70.662	E	207	•	4.6	0.8	19	HINDU KUSH REGION
	15	15	01	57.4	40.701	N	29.727	E	10	G		1.1	14	TURKEY
	15	15	16	27.4%	14.987	N	60.733	W	33	N		0.3	7	WINDWARD ISLANDS. ML 2.7 (FDF).
	15	15	34	14.2?	46.46	N	4.96	E	10	G		0.3	7	FRANCE. ML 2.5 (LDG).
	15	16	24	01.8•	37.184	N	67.712	E	33	N	4.1	0.5	7	AFGHANISTAN-USSR BORDER REGION
	15	17	41	38.9%	47.558	N	0.735	W	10	G		0.6	6	FRANCE. ML 3.2 (LDG).
	15	18	23	06.0&	59.990	N	152.841	W	100				32	SOUTHERN ALASKA. <AGS-P>.
	15	19	11	34.4•	3.008	N	97.153	E	92	?	3.8	0.8	7	NORTHERN SUMATERA
	15	22	03	05.3	9.940	S	162.978	E	10		5.6 5.2	1.4	103	SOLOMON ISLANDS. Ms 5.4 (BRK). Felt (II) at Honiara.
	15	22	22	07.3•	11.136	S	165.303	E	33	N	4.0	1.1	10	SANTA CRUZ ISLANDS
	15	22	31	56.3?	4.31	S	135.60	E	33	N	4.0	0.9	6	WEST IRIAN REGION
a	15	23	04	15.1	56.372	S	25.640	W	33	N	5.5 5.0	1.3	55	SOUTH SANDWICH ISLANDS REGION
	15	23	35	51.2	59.705	N	153.072	W	121		4.6	0.7	95	SOUTHERN ALASKA. Felt (III) at Homer.
	16	00	37	16.3?	14.52	N	104.48	W	10	G	4.1	1.5	11	OFF COAST OF MEXICO
	16	00	45	00.5	45.495	N	14.244	E	10	G		1.2	33	YUGOSLAVIA. ML 3.5 (KBA), 3.2 (LDG), 3.0 (TRI). Felt (VI) in the Visaka-Marcelji area.
	16	02	09	34.7%	37.822	N	27.339	E	10	G		1.5	6	TURKEY
	16	03	11	31.8•	39.677	N	28.803	E	10	G		0.7	7	TURKEY
	16	04	48	41.8•	16.099	N	62.249	W	31	•		1.2	7	LEEWARD ISLANDS. ML 3.5 (FDF).
	16	05	38	14.5?	40.89	S	85.83	E	10	G	4.8	1.4	10	SOUTHEAST INDIAN RISE
	16	06	16	41.3&	40.355	N	123.877	W	5				4	NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK). Felt (III) at Ria Dell. Also felt at Scotia.
	16	06	28	13.0?	15.85	N	60.54	W	33	N		0.3	6	LEEWARD ISLANDS. ML 3.3 (FDF).
	16	06	46	34.1	38.348	N	25.180	E	10	G		0.7	6	AEGEAN SEA. ML 3.2 (ATH).
	16	07	04	35.2	40.347	N	139.365	E	22		4.4	1.4	25	NEAR WEST COAST OF HONSHU, JAPAN. Felt (I JMA) at Akita and Ajiro.
	16	07	18	11.5•	50.111	N	5.489	E	10	G		1.5	5	BELGIUM
	16	09	56	57.5?	15.07	S	66.89	E	10	G	4.8	1.4	10	MID-INDIAN RISE
	16	11	20	37.6&	37.755	N	122.138	W	7				11	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK). Felt at San Leandro.
	16	11	31	42.5•	11.249	S	165.228	E	36	•	4.3	0.8	11	SANTA CRUZ ISLANDS
	16	13	56	18.5•	7.613	N	76.510	W	127	•		1.2	10	NORTHERN COLOMBIA
	16	15	07	46.3%	60.718	N	5.559	E	10	G		0.2	7	SOUTHERN NORWAY. MD 2.1 (BER).
	16	15	36	11.1	34.869	N	139.112	E	11			0.7	8	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshimo.
	16	15	54	48.8	46.894	N	9.803	E	10	G		1.2	18	SWITZERLAND. ML 3.0 (KBA), 2.9 (LDG).
	16	17	59	03.4•	30.408	N	68.443	E	33	N	4.5	1.5	10	PAKISTAN
	16	19	01	47.9	28.978	N	52.731	E	33	N	4.6	0.7	67	SOUTHERN IRAN
	16	19	25	00.0&	37.220	N	116.462	W	0		5.6		219	SOUTHERN NEVADA. <DOE>. ML 5.5 (BRK). 37° 13' 12.77" N., 116° 27' 41.89" W., Surface Elev. 1898 m., Depth of Burial 600 m., Shot Time 192500.089, "BELMONT", Nevada Test Site (Dept. of Energy).
a	16	19	54	10.4	27.727	N	66.650	E	43	•	5.2 4.5	0.9	121	PAKISTAN. About 150 buildings damaged in the Khuzdor area.
	16	20	11	14.6•	32.704	S	71.488	W	33	N		0.8	11	NEAR COAST OF CENTRAL CHILE
	16	20	27	59.2	6.328	S	146.309	E	74		4.7	1.0	31	EAST PAPUA NEW GUINEA REGION
	16	20	29	13.1•	54.810	S	130.189	W	10	G	4.9 5.1	1.1	30	SOUTH PACIFIC CORDILLERA
	16	21	09	30.1•	37.788	N	27.346	E	10	G		1.3	8	TURKEY
	16	21	36	27.8?	22.78	S	114.51	E	10	G		1.0	7	WESTERN AUSTRALIA
	16	22	18	23.2?	43.58	N	0.56	W	10	G		1.4	12	PYRENEES. ML 3.0 (LDG).
	16	23	03	07.5	1.355	N	127.587	E	207		4.7	0.9	30	HALMAHERA
	17	00	20	46.5•	44.505	N	10.740	E	10	G		0.9	6	NORTHERN ITALY. ML 2.5 (KBA).
	17	00	28	45.4&	31.670	N	116.220	W	6	G			8	BAJA CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	17	01	20	05.1&	60.146	N	152.600	W	74				28	SOUTHERN ALASKA. <AGS-P>.
	17	03	47	31.3	6.170	S	153.739	E	11		4.4	0.6	12	NEW BRITAIN REGION
	17	04	20	44.4•	33.327	S	179.588	W	33	N	4.8	1.1	10	SOUTH OF KERMADEC ISLANDS
	17	04	29	24.8	43.161	N	13.832	E	10	G		1.4	56	CENTRAL ITALY. ML 4.0 (LDG), 4.0 (KBA), 3.8 (TRI).
	17	07	17	57.7•	6.370	S	130.159	E	158	•	4.5	1.5	16	BANDA SEA
a	17	07	32	51.3	5.272	S	131.432	E	67		6.3	1.1	320	BANDA SEA. Ms 6.1 (BRK).
	17	08	32	16.1•	38.985	N	26.970	E	17			1.2	12	AEGEAN SEA
	17	09	04	36.0	43.149	N	29.318	W	10	G	5.0	1.0	100	NORTH ATLANTIC RIDGE
	17	09	38	59.8	45.148	N	149.843	E	33	N	5.4	0.9	137	KURIL ISLANDS
	17	10	33	05.7	41.146	N	32.380	E	12		4.5	1.3	80	TURKEY. Felt at Zanguldak and Sakarya.
	17	11	27	04.3•	1.993	N	124.907	E	219	?	4.7	0.9	12	MINAHASSA PENINSULA
	17	13	06	05.4•	41.700	N	126.988	W	10	G	4.3 3.9	1.0	20	OFF COAST OF NORTHERN CALIFORNIA
	17	14	21	11.3?	41.51	N	127.59	W	10	G		1.1	11	OFF COAST OF NORTHERN CALIFORNIA
	17	14	47	59.0&	47.000	N	66.600	W	5	G			11	NEW BRUNSWICK. <OTT-P>. mbLg 4.1 (OTT). Felt at Bathurst.
	17	15	31	26.2•	15.144	S	75.651	W	33	N	4.6	1.0	11	NEAR COAST OF PERU
	17	16	22	28.7•	10.854	S	164.923	E	42	?	4.7	1.1	12	SANTA CRUZ ISLANDS REGION
	17	16	45	11.8	6.819	N	73.006	W	160		5.1	1.0	88	NORTHERN COLOMBIA. Felt at Bogota and in many areas of northern Calambia. Also felt at San Cristabal and Tachira, Venezuela.
	17	18	56	16.6&	34.370	N	116.380	W	7				10	SOUTHERN CALIFORNIA. <PAS-P> ML 3.5 (PAS).
a	17	20	21	18.9	16.286	S	173.947	W	109	D	5.2	1.4	83	TONGA ISLANDS
	17	20	59	32.3•	7.546	S	131.871	E	114	•		1.5	8	TANIMBAR ISLANDS REGION
	17	21	06	46.2?	28.33	S	70.15	W	211	?		1.9	8	CENTRAL CHILE
	17	22	31	24.8%	43.516	N	7.756	E	10	G		1.0	7	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG).
	17	22	58	09.0•	12.142	N	144.197	E	41	•	4.6	0.8	16	SOUTH OF MARIANA ISLANDS

	17	23 13 21.8*	39.071	N	27.871	E	10	G			1.1	7	TURKEY
	17	23 29 30.9?	16.50	S	179.96	W	539	*	3.9		1.4	49	FIJI ISLANDS REGION
	18	00 06 35.6?	51.57	N	16.08	E	10	G			0.8	11	POLAND. ML 4.2 (GRF), 3.8 (VKA), 3.8 (KBA).
	18	00 17 26.1*	37.233	N	28.435	E	10	G			1.3	5	TURKEY
	18	00 36 44.4	31.612	S	69.325	W	135	*			1.0	21	SAN JUAN PROVINCE, ARGENTINA
a	18	01 02 52.1	51.730	N	175.285	W	33	N	5.4	4.9	1.0	210	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.3 (PMR).
	18	02 16 55.7*	28.782	S	71.590	W	33	N			1.0	12	NEAR COAST OF CENTRAL CHILE
	18	02 35 06.9	31.673	S	68.119	W	9				1.4	16	SAN JUAN PROVINCE, ARGENTINA
	18	04 51 09.1?	51.01	N	175.25	W	33	N	4.4		2.1	6	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	06 33 27.3	45.488	N	26.281	E	145	*			0.9	18	ROMANIA
	18	07 45 24.5?	33.70	S	72.16	W	33	N			0.8	8	OFF COAST OF CENTRAL CHILE
	18	08 45 21.1	42.284	N	19.886	E	10	G			0.8	6	YUGOSLAVIA. ML 2.3 (TTG).
	18	08 48 30.7	29.989	N	51.454	E	54	*	4.9	3.9	0.9	79	SOUTHERN IRAN. Minor damage in the Mamasani area.
	18	08 54 39.4	5.067	N	125.319	E	201	*	5.2		1.2	45	MINDANAO, PHILIPPINE ISLANDS
	18	09 45 34.7*	29.953	S	71.453	W	33	N			1.5	11	NEAR COAST OF CENTRAL CHILE
a	18	09 46 44.0	12.133	N	142.880	E	52		5.7	4.9	1.1	203	SOUTH OF MARIANA ISLANDS
	18	09 54 44.5*	31.918	S	67.640	W	5	G			1.6	16	SAN JUAN PROVINCE, ARGENTINA
	18	10 32 40.3*	19.984	S	69.265	W	33	N			1.2	8	NORTHERN CHILE
	18	11 49 53.7*	22.685	S	175.367	W	112	?	4.7		1.4	36	TONGA ISLANDS REGION
	18	13 35 15.0?	35.74	S	71.25	W	33	N			0.9	8	CENTRAL CHILE
	18	14 03 37.9	27.679	N	66.609	E	32		4.8		0.9	39	PAKISTAN
	18	14 20 46.8&	46.297	N	112.050	W	5	G				12	MONTANA. <8UT>. ML 3.1 (BUT), 3.2 (NEIS). Felt at Jefferson City.
	18	15 13 45.7	39.632	N	20.226	E	13		4.2		1.1	42	GREECE-ALBANIA BORDER REGION. ML 4.1 (ATH), 3.9 (TTG).
	18	15 53 50.0*	34.487	N	25.589	E	33	N	4.0		1.5	12	CRETE
	18	18 21 58.6%	46.690	N	9.643	E	10	G			1.0	5	SWITZERLAND
	18	18 55 38.7&	46.292	N	112.023	W	5	G				14	MONTANA. <BUT>. ML 3.4 (BUT), 3.5 (NEIS). Felt at Jefferson City.
	18	19 22 10.1	63.153	N	150.443	W	119	?			1.1	11	CENTRAL ALASKA. Felt at Cantwell.
	18	20 51 33.2	10.252	S	75.484	W	33	N	4.7		1.3	14	PERU
	18	21 21 28.7	42.064	N	111.454	W	5	G			0.6	7	EASTERN IDAHO. ML 3.5 (NEIS). Felt (IV) at Saint Charles and (III) at Fish Haven. Also felt (III) at Garden City and Laketown, Utah.
a	18	22 09 31.7	5.631	S	109.997	E	643	G	5.7		1.1	288	JAVA SEA. Depth from broadband displacement seismograms.
	19	00 33 32.9?	18.64	S	176.64	W	292	?	4.3		0.6	6	FIJI ISLANDS REGION
	19	00 42 40.5&	38.407	N	119.317	W	10	G				18	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK).
	19	01 56 32.1*	4.539	S	152.792	E	28	*	4.7		0.9	9	NEW BRITAIN REGION
	19	03 17 05.2?	31.65	S	70.00	W	123	?			0.5	7	SAN JUAN PROVINCE, ARGENTINA
	19	03 24 16.0*	22.626	S	175.219	W	125	?	4.9		1.1	34	TONGA ISLANDS REGION
	19	04 26 58.2?	18.43	N	144.31	E	73	?	4.3		1.4	11	MARIANA ISLANDS
	19	05 18 29.2?	33.31	S	71.94	W	33	N			0.5	8	NEAR COAST OF CENTRAL CHILE
	19	06 28 11.4?	52.63	N	170.67	W	33	N	4.7		1.1	10	FOX ISLANDS, ALEUTIAN ISLANDS
	19	06 51 15.2	31.258	S	68.636	W	112	*			1.0	17	SAN JUAN PROVINCE, ARGENTINA
	19	07 48 17.8*	38.663	N	7.806	W	10	G			0.8	5	PORTUGAL. MG 3.2 (MTH).
	19	09 03 47.6*	35.931	N	22.509	E	33	N	4.2		1.4	21	MEDITERRANEAN SEA. ML 4.5 (ATH).
	19	10 01 43.7&	46.290	N	112.018	W	5	G				13	MONTANA. <8UT>. ML 3.3 (8UT), 3.3 (NEIS). Felt at Jefferson City and Elkhorn.
	19	10 17 56.7*	26.880	S	67.328	W	33	N			1.0	8	CATAMARCA PROVINCE, ARGENTINA
	19	12 49 31.7?	17.23	S	69.98	W	33	N			1.6	6	PERU-BOLIVIA BORDER REGION
	19	13 12 00.6	4.906	S	153.464	E	69	*	4.6		1.1	18	NEW IRELAND REGION
	19	16 39 00.0*	23.746	S	66.814	W	221	*			0.4	7	JUJUY PROVINCE, ARGENTINA
	19	18 00 11.9*	59.384	S	25.619	W	33	N	4.5		1.0	17	SOUTH SANDWICH ISLANDS REGION
	19	18 09 56.5&	36.100	N	117.850	W	4					11	CALIFORNIA-NEVADA BORDER REGION. <PAS-P> ML 3.2 (PAS).
a	19	18 30 57.2	63.887	N	178.727	W	10	G	5.4	4.9	0.9	132	BERING SEA
	19	18 42 19.3%	15.212	N	61.350	W	10	G			0.3	10	LEEWARD ISLANDS. ML 3.1 (FDF).
	19	18 52 01.2%	46.364	N	7.574	E	10	G			0.2	5	SWITZERLAND
	19	19 18 23.0	42.356	N	19.878	E	10	G			0.4	6	YUGOSLAVIA. ML 2.3 (TTG).
	19	19 21 41.7?	29.80	S	72.19	W	33	N			1.0	12	OFF COAST OF CENTRAL CHILE
	19	21 11 23.1	30.206	N	138.567	E	440	*	4.7		0.8	62	SOUTH OF HONSHU, JAPAN
	19	21 37 54.7	42.973	N	13.878	E	10	G			1.3	26	CENTRAL ITALY. ML 3.5 (KBA), 3.4 (LDG).
	19	21 48 44.9*	33.372	S	72.759	W	33	N	4.1		1.5	19	OFF COAST OF CENTRAL CHILE
	19	21 53 34.0&	59.509	N	152.682	W	81					47	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Homer.
	19	22 37 00.2*	9.269	N	126.584	E	69	?	4.8		1.1	14	MINDANAO, PHILIPPINE ISLANDS
	20	01 15 14.7%	39.195	N	28.879	E	10	G			0.6	6	TURKEY
	20	01 47 54.5*	39.569	N	34.594	E	10	G			1.1	6	TURKEY
	20	02 48 59.8&	37.457	N	121.707	W	6					12	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	20	03 03 22.2	37.145	N	4.189	W	10	G			1.4	28	SPAIN. MG 3.8 (MDD). Felt (V) in the Loja-Zafarraya-Alhama de Gronada area.
	20	03 32 32.6%	40.099	N	29.325	E	10	G			0.5	8	TURKEY
	20	04 05 29.4*	48.417	N	12.484	E	10	G			1.4	5	GERMANY
	20	04 16 05.1	39.317	N	27.970	E	14	*			1.4	13	TURKEY
	20	04 28 17.4	2.073	N	128.195	E	130	?	5.2		1.1	51	HALMAHERA
	20	04 32 49.0	37.918	N	101.372	W	5	G			0.8	12	KANSAS. mbLg 3.0 (NEIS), 2.9 (TUL). Felt (IV) at Lakin and (III) at Friend.
	20	05 31 38.2?	51.10	N	20.03	E	10	G			1.8	5	POLAND. ML 2.9 (KRA).
a	20	05 35 40.7	4.832	S	153.451	E	78		5.5		1.1	99	NEW IRELAND REGION. Felt (IV) at Rabaul, New Britain and (III) at Arawa, Baugainville.
	20	06 19 09.3%	39.270	N	28.911	E	10	G			0.8	8	TURKEY
	20	06 27 13.9	2.823	N	126.940	E	33	N	5.2		1.2	52	MOLUCCA PASSAGE
	20	06 30 25.6	2.771	N	126.912	E	42	*	5.5	5.1	1.1	74	MOLUCCA PASSAGE
	20	06 32 39.9*	29.180	S	68.433	W	33	N			1.2	8	SAN JUAN PROVINCE, ARGENTINA
	20	06 35 49.2%	39.400	N	28.861	E	10	G			1.2	7	TURKEY
	20	06 38 54.6*	6.484	S	154.957	E	53	*	4.4		1.1	15	SOLOMON ISLANDS. Felt (III) at Panguna, Bougainville.
f	20	06 46 09.9	28.117	S	176.367	W	29	G	6.6	8.1	1.2	489	KERMADEC ISLANDS REGION. Ms 8.3 (BRK). Objects knocked from shelves on Raoul Island. Felt at Napier and Wellington, New Zealand. Tsunami generated with maximum wave heights 22 cm at Hilo, 15 cm at Kahului, 13 cm at Honalulu and 7 cm at Kona, Hawaii; 14 cm at Papeete, Tahiti; and 10 cm at Paga Paga, Samoa Islands. Depth from broadband displacement seismagrams.
	20	07 25 50.4*	51.392	N	174.748	W	33	N	4.6		1.3	26	ANDREANOF ISLANDS, ALEUTIAN IS.
	20	07 26 34.6*	28.393	S	176.737	W	33	N	5.2		1.4	29	KERMADEC ISLANDS REGION

	20	07	27	40.3•	28.129	S	175.740	W	33	N	4.9		1.1	10	KERMADEC ISLANDS REGION
	20	07	44	12.6•	48.240	N	7.315	E	10	G			1.1	6	FRANCE. ML 2.3 (LDG).
	20	07	46	01.8?	28.10	S	175.82	W	33	N	5.0		1.4	14	KERMADEC ISLANDS REGION
	20	08	04	22.3•	28.151	S	176.267	W	33	N	5.1		1.4	38	KERMADEC ISLANDS REGION
	20	08	11	30.6	27.706	S	176.588	W	33	N	5.4		0.9	57	KERMADEC ISLANDS REGION
	20	08	23	19.1	27.966	S	176.390	W	33	N	5.2		1.2	60	KERMADEC ISLANDS REGION
	20	08	40	15.1•	27.969	S	175.830	W	33	N	5.0		1.4	13	KERMADEC ISLANDS REGION
	20	08	43	21.3•	2.680	N	126.781	E	33	N	5.0		1.2	18	MOLUCCA PASSAGE
	20	08	48	12.9•	28.379	S	176.135	W	33	N	4.8		1.0	18	KERMADEC ISLANDS REGION
	20	08	50	39.5•	28.367	S	176.186	W	33	N	5.2		1.1	25	KERMADEC ISLANDS REGION
	20	08	59	19.7•	27.647	S	176.762	W	33	N	4.6		0.7	14	KERMADEC ISLANDS REGION
	20	09	02	33.6	27.300	S	176.423	W	33	N	5.3		1.2	85	KERMADEC ISLANDS REGION
	20	09	16	39.3?	27.47	S	177.03	W	33	N	4.7		1.0	12	KERMADEC ISLANDS REGION
	20	09	17	01.1•	33.049	S	71.608	W	33	N			1.3	11	NEAR COAST OF CENTRAL CHILE
	20	09	42	49.4?	28.30	S	176.37	W	33	N	4.8		0.3	10	KERMADEC ISLANDS REGION
	20	09	58	34.1•	27.708	S	176.415	W	33	N	4.9		1.2	18	KERMADEC ISLANDS REGION
	20	10	27	06.7•	27.752	S	176.496	W	33	N	4.8		0.9	16	KERMADEC ISLANDS REGION
	20	10	29	51.2•	28.088	S	176.421	W	33	N	4.9		1.2	46	KERMADEC ISLANDS REGION
	20	10	31	53.5•	26.855	S	175.873	W	33	N	5.0		1.1	16	SOUTH OF TONGA ISLANDS
	20	10	44	00.5•	37.850	N	27.451	E	10	G			1.0	5	TURKEY
	20	10	51	56.4&	62.117	N	149.539	W	51					25	CENTRAL ALASKA. <AGS-P>.
	20	10	52	51.0•	34.536	S	70.594	W	33	N			1.4	11	CHILE-ARGENTINA BORDER REGION
	20	11	07	04.0	27.666	S	176.219	W	33	N	5.2		1.1	56	KERMADEC ISLANDS REGION
	20	11	08	13.1	27.599	S	176.156	W	33	N	5.3		1.0	52	KERMADEC ISLANDS REGION
	20	11	10	33.2?	28.20	S	175.85	W	33	N	4.9		1.6	11	KERMADEC ISLANDS REGION
	20	11	12	35.3	28.061	S	176.233	W	33	N	5.4	5.3	1.1	76	KERMADEC ISLANDS REGION
	20	11	31	23.5•	27.760	S	176.328	W	33	N	4.6		0.9	16	KERMADEC ISLANDS REGION
	20	11	36	56.1	27.369	S	176.276	W	33	N	5.3		1.1	52	KERMADEC ISLANDS REGION
	20	12	01	42.1	27.681	S	176.158	W	33	N	5.7	5.5	1.1	148	KERMADEC ISLANDS REGION
	20	12	15	31.9	43.169	N	13.848	E	10	G	4.7		1.4	62	CENTRAL ITALY. ML 4.5 (KBA), 4.4 (VKA), 4.1 (TRI), 4.1 (TTG). Felt (VI) in the Macerata-Ascoli Piceno area.
	20	12	17	55.3•	27.995	S	176.202	W	33	N	4.8		1.5	14	KERMADEC ISLANDS REGION
	20	12	32	45.7	27.915	S	176.389	W	33	N	5.5	5.7	1.3	110	KERMADEC ISLANDS REGION
	20	12	43	40.9•	27.653	S	176.152	W	33	N	5.0		1.1	29	KERMADEC ISLANDS REGION
	20	12	57	42.2•	51.164	N	174.732	W	33	N	4.8		1.0	11	ANDREANOF ISLANDS, ALEUTIAN IS.
	20	12	57	43.1&	59.615	N	151.012	W	56					28	KENAI PENINSULA, ALASKA. <AGS-P>.
	20	13	10	10.1%	60.719	N	5.610	E	10	G			0.7	6	SOUTHERN NORWAY. MD 1.7 (BER).
	20	13	26	00.0?	28.30	S	177.11	W	33	N	4.6		1.6	16	KERMADEC ISLANDS REGION
	20	14	38	15.9•	39.079	N	27.614	E	10	G			1.4	7	TURKEY
a	20	14	41	26.0	27.932	S	176.134	W	33	N	5.6	6.1	1.2	131	KERMADEC ISLANDS REGION
	20	14	48	18.5	36.776	N	8.759	W	33		4.8		1.1	91	WEST OF GIBRALTAR. Felt (VI) in Algarve Province, Portugal. Felt (IV) in the El Granado-Ayamonte area and (III) in the Huelva area, Spain.
	20	15	52	52.9	27.174	S	176.326	W	33	N	5.1	5.5	1.4	58	KERMADEC ISLANDS REGION
	20	16	01	33.8	27.662	S	176.109	W	33	N	5.4		1.2	70	KERMADEC ISLANDS REGION
	20	16	06	57.9•	27.995	S	176.617	W	33	N	4.7		1.1	20	KERMADEC ISLANDS REGION
	20	16	48	57.3•	34.958	N	26.233	E	49	•	4.5		1.2	13	CRETE
	20	17	13	37.6	28.009	S	176.553	W	33	N	5.0		1.3	50	KERMADEC ISLANDS REGION
	20	17	29	26.0?	40.71	N	29.79	E	10	G			0.8	7	TURKEY
	20	18	15	53.7%	39.184	N	28.996	E	10	G			1.1	11	TURKEY
a	20	18	16	04.1	27.972	S	176.280	W	33	N	5.3	5.6	1.4	89	KERMADEC ISLANDS REGION
	20	18	31	41.6•	27.210	S	176.011	W	33	N	5.2		1.4	34	KERMADEC ISLANDS REGION
o	20	19	39	15.5	27.792	S	176.624	W	33	N	5.5	5.5	1.2	108	KERMADEC ISLANDS REGION
	20	19	45	26.2•	53.039	N	166.782	W	33	N	4.8		1.0	19	FOX ISLANDS, ALEUTIAN ISLANDS
	20	20	29	13.3%	43.943	N	7.521	E	10	G			0.3	6	NEAR SOUTH COAST OF FRANCE. ML 3.0 (LDG).
	20	21	03	35.1?	27.24	S	176.16	W	33	N	4.4		0.5	7	KERMADEC ISLANDS REGION
	20	21	23	10.6	28.153	S	176.732	W	33	N	5.4	5.5	1.2	81	KERMADEC ISLANDS REGION
	20	21	26	17.5	27.945	S	176.641	W	33	N	5.6	5.8	1.1	112	KERMADEC ISLANDS REGION
	20	21	50	15.7	27.805	S	176.384	W	33	N	5.1		1.1	51	KERMADEC ISLANDS REGION
	20	22	19	29.2	28.170	S	176.350	W	33	N	4.9	5.2	1.1	49	KERMADEC ISLANDS REGION
	20	22	35	29.9&	32.950	N	117.790	W	10					10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
a	20	22	51	18.9	28.211	S	176.276	W	33	N	5.3	5.1	1.1	77	KERMADEC ISLANDS REGION
	20	22	54	35.5	47.207	N	0.776	W	10	G			1.0	16	FRANCE. ML 3.2 (LDG).
	20	23	13	15.3?	28.97	S	176.97	W	33	N	4.4		0.8	5	KERMADEC ISLANDS REGION
	20	23	53	10.2•	6.636	S	105.186	E	62	•	4.8		1.3	28	SUNDA STRAIT
	21	00	42	34.5	39.258	N	27.764	E	10	G			0.5	8	TURKEY
a	21	00	43	41.3	27.789	S	176.386	W	33	N	5.5	5.5	1.1	87	KERMADEC ISLANDS REGION
	21	01	38	36.7•	27.269	S	176.315	W	33	N	5.1		1.2	28	KERMADEC ISLANDS REGION
	21	01	48	54.6?	27.22	S	176.88	W	33	N	5.0		1.1	12	KERMADEC ISLANDS REGION
	21	02	32	44.9•	28.322	S	176.500	W	33	N	5.2	5.2	1.4	42	KERMADEC ISLANDS REGION
	21	03	11	16.2•	27.087	S	176.524	W	33	N	4.8	4.9	1.5	24	KERMADEC ISLANDS REGION
	21	03	15	48.9•	5.088	N	127.254	E	33	N	4.4		1.4	8	PHILIPPINE ISLANDS REGION
	21	03	53	56.9%	43.791	N	7.818	E	10	G			0.4	7	NEAR SOUTH COAST OF FRANCE. ML 2.9 (LDG).
	21	04	36	24.8•	51.261	N	15.667	E	10	G			1.3	11	POLAND. ML 3.9 (VKA).
a	21	05	51	59.9	27.919	S	176.340	W	46	D	5.5	5.2	1.0	129	KERMADEC ISLANDS REGION
	21	06	03	45.8•	27.726	S	176.748	W	33	N	4.8		1.0	11	KERMADEC ISLANDS REGION
a	21	06	50	50.8	27.262	S	176.510	W	33	N	5.4	5.6	1.2	69	KERMADEC ISLANDS REGION
	21	08	36	25.1	37.510	N	118.338	W	5	G			0.9	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (PAS).
	21	08	47	47.2•	23.355	N	103.813	E	33	N			1.0	5	YUNNAN PROVINCE, CHINA. ML 3.6 (BJI).
	21	08	52	33.3?	39.52	N	28.85	E	10	G			1.3	5	TURKEY
	21	08	59	46.0•	61.655	N	26.080	W	10	G	4.6		0.8	22	ICELAND REGION
	21	09	19	46.1•	28.175	S	176.576	W	33	N	4.9		0.7	12	KERMADEC ISLANDS REGION
	21	09	32	25.1•	27.977	S	176.474	W	33	N	4.9		1.2	28	KERMADEC ISLANDS REGION
	21	10	10	15.6	58.973	S	25.496	W	49	D	5.0		0.9	41	SOUTH SANDWICH ISLANDS REGION
	21	10	13	28.9•	39.127	N	27.820	E	10	G			0.7	5	TURKEY
	21	10	22	07.7	38.529	N	141.743	E	64		4.8		0.9	32	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Ishinomaki, Miyako, Ofunato and Sendai; (I JMA) at Fukushima.
a	21	10	48	21.1	27.726	S	176.572	W	33	N	5.2	5.2	1.2	66	KERMADEC ISLANDS REGION
	21	10	57	46.2&	60.055	N	152.684	W	83					26	SOUTHERN ALASKA. <AGS-P>.
a	21	11	02	59.9	27.802	S	176.467	W	33	N	5.7	5.9	1.0	199	KERMADEC ISLANDS REGION. Ms 6.2 (BRK).
	21	11	03	22.0?	40.59	N	29.62	E	10	G			0.8	5	TURKEY
	21	11	27	24.7	27.805	S	176.638	W	33	N	5.1		0.9	26	KERMADEC ISLANDS REGION

	21	11	37	38.5	43.989	N	128.489	W	10	G	5.0		1.2	80	OFF COAST OF OREGON
	21	11	43	20.9	43.958	N	128.548	W	10	G	5.0		1.2	30	OFF COAST OF OREGON
	21	11	48	28.0?	44.11	N	128.00	W	10	G	4.4		1.2	8	OFF COAST OF OREGON
	21	11	56	41.4	39.114	N	27.847	E	10	G			1.0	8	TURKEY
	21	12	08	37.3	43.847	N	128.613	W	10	G	4.6		0.9	27	OFF COAST OF OREGON
	21	12	15	57.3	1.656	N	126.848	E	67	*	4.9		1.1	34	MOLUCCA PASSAGE
	21	12	28	15.9*	5.703	N	76.268	W	33	N			1.3	7	COLOMBIA
a	21	12	29	44.0	27.644	S	176.613	W	33	N	5.4	5.6	1.1	83	KERMADEC ISLANDS REGION
	21	12	33	41.8*	28.071	S	176.057	W	33	N	5.0		1.5	22	KERMADEC ISLANDS REGION
	21	13	14	58.6&	36.760	N	121.367	W	11					17	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt at Hollister and Santa Cruz.
	21	13	15	24.0?	18.49	N	62.08	W	33	N			0.2	6	LEEWARD ISLANDS. ML 3.8 (FDF).
	21	13	17	01.6	24.489	S	67.820	W	171	?	4.5		1.3	7	CHILE-ARGENTINA BORDER REGION
	21	13	56	46.2*	0.297	S	125.835	E	63	?	4.7		1.5	12	MOLUCCA SEA
	21	14	00	23.2?	31.21	S	68.45	W	33	N			0.9	7	SAN JUAN PROVINCE, ARGENTINA
	21	14	13	18.0%	14.870	N	60.434	W	33	N			0.4	10	WINDWARD ISLANDS. ML 2.8 (FDF).
	21	14	34	13.8	44.500	N	10.787	E	11				1.1	29	NORTHERN ITALY. ML 3.8 (KBA), 3.6 (LDG). MD 3.6 (TRI).
	21	15	11	42.1	27.733	S	176.597	W	33	N	5.3	4.6	1.0	64	KERMADEC ISLANDS REGION
	21	15	35	16.6	39.034	N	27.898	E	10	G			0.5	7	TURKEY
	21	15	57	52.3	10.354	N	62.637	W	38		5.0		1.1	45	NEAR COAST OF VENEZUELA. Felt at El Pilar and Puerto Ordaz.
	21	16	58	38.9%	40.048	N	29.403	E	10	G			0.4	7	TURKEY
	21	17	04	47.4*	8.614	S	31.242	E	10	G	4.8		1.4	7	LAKE TANGANYIKA REGION
	21	17	19	56.7?	13.80	S	73.00	W	33	N			1.5	4	PERU. Felt (III) at Abancay.
	21	17	23	32.2*	27.876	S	176.279	W	33	N	4.6		1.4	21	KERMADEC ISLANDS REGION
	21	18	23	37.4*	31.403	S	71.744	W	33	N			1.0	10	NEAR COAST OF CENTRAL CHILE
	21	19	08	32.6*	44.030	N	128.127	W	10	G	4.3		0.6	6	OFF COAST OF OREGON
	21	19	18	55.9	27.057	S	176.404	W	33	N	5.2	5.1	1.1	47	KERMADEC ISLANDS REGION
	21	19	57	15.8?	18.96	S	169.45	E	261	*	3.9		1.5	9	VANUATU ISLANDS
	21	20	51	20.1&	37.450	N	118.490	W	6	G				12	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
a	21	21	09	36.2	13.326	N	90.118	W	45		5.2	5.1	1.2	136	NEAR COAST OF GUATEMALA. Felt along the Pacific coast of Guatemala and at Guatemala City.
	21	21	57	59.4	1.541	N	127.424	E	142	*	5.0		0.9	21	HALMAHERA
	21	21	59	37.8?	27.85	S	176.34	W	33	N	4.8		1.4	8	KERMADEC ISLANDS REGION
	21	22	06	48.1?	27.62	S	176.20	W	33	N	4.5		1.7	7	KERMADEC ISLANDS REGION
	21	22	32	54.4*	13.524	N	90.459	W	33	N			0.8	17	NEAR COAST OF GUATEMALA
	21	23	53	26.3*	28.185	S	176.524	W	33	N	5.0		1.2	29	KERMADEC ISLANDS REGION
	22	00	03	43.9*	39.895	N	25.495	E	10	G			1.3	7	AEGEAN SEA
	22	00	12	19.6*	59.529	S	21.059	W	10	G	4.8	4.7	1.4	10	SOUTHWESTERN ATLANTIC OCEAN
	22	01	59	10.5&	60.333	N	150.488	W	44					30	KENAI PENINSULA, ALASKA. <AGS-P>.
a	22	02	38	44.1	28.092	S	176.291	W	33	N	5.3	5.2	1.0	71	KERMADEC ISLANDS REGION
	22	03	50	03.1&	37.195	N	122.328	W	12					8	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	22	05	30	33.2	2.250	N	126.694	E	76	*	5.0		1.2	39	MOLUCCA PASSAGE
	22	06	27	45.4?	22.30	S	176.38	W	390	?	4.5		0.7	9	SOUTH OF FIJI ISLANDS
	22	07	53	31.0*	62.980	N	148.505	W	33	N			0.7	5	CENTRAL ALASKA. ML 2.4 (PMR).
	22	08	46	56.7?	26.89	S	176.69	W	33	N	5.0		1.3	13	SOUTH OF FIJI ISLANDS
a	22	08	59	28.8	10.569	S	166.040	E	165	G	5.9		0.9	266	SANTA CRUZ ISLANDS. Depth from broadband displacement seismograms.
	22	09	21	17.7*	15.158	S	74.192	W	150	?	4.8		0.7	11	NEAR COAST OF PERU. Felt at Lima.
	22	09	24	06.1	35.793	N	21.790	E	33	N	4.0		0.8	15	MEDITERRANEAN SEA. ML 4.5 (ATH).
	22	09	25	52.8*	13.631	N	90.624	W	33	N			0.7	12	NEAR COAST OF GUATEMALA. MG 4.4 (GCG). Felt along the Pacific coast of Guatemala and at Guatemala City.
	22	11	07	20.1	36.434	N	140.620	E	71		4.7		0.8	17	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Mito, (II JMA) at Utsunomiyo and (I JMA) at Fukushima, Moebashi and Onahama.
	22	11	25	23.7?	27.58	S	176.82	W	33	N	4.6		1.4	9	KERMADEC ISLANDS REGION
	22	11	38	12.6*	45.768	N	15.705	E	10	G			0.3	6	YUGOSLAVIA. ML 2.9 (KBA), MD 2.7 (TRI). Felt (IV) at Samobor.
	22	12	14	59.6*	27.569	S	176.540	W	109	D	4.7		0.7	20	KERMADEC ISLANDS REGION
	22	14	04	00.3?	25.76	S	65.33	W	33	N			1.8	5	SALTA PROVINCE, ARGENTINA
	22	14	35	46.6	22.423	N	118.787	E	15		5.0	4.3	1.1	83	TAIWAN REGION
	22	15	28	25.7&	61.592	N	151.500	W	79					21	SOUTHERN ALASKA. <AGS-P>.
	22	15	49	18.5	5.943	S	151.311	E	60	?	4.0		1.2	10	NEW BRITAIN REGION
	22	15	57	28.8?	28.06	S	176.99	W	33	N	4.4		1.3	6	KERMADEC ISLANDS REGION
	22	17	06	42.4%	60.718	N	5.559	E	10	G			0.2	7	SOUTHERN NORWAY. MD 1.8 (BER).
	22	17	23	35.7*	27.812	S	175.945	W	33	N	5.3		1.4	20	KERMADEC ISLANDS REGION
	22	18	31	34.1&	61.339	N	146.849	W	38					51	SOUTHERN ALASKA. <AGS-P>. ML 4.0 (PMR). Felt (III) at Valdez.
	22	19	08	00.1*	39.482	N	75.156	E	33	N	4.5		1.3	9	SOUTHERN XINJIANG, CHINA
a	22	19	40	48.5	28.324	S	176.309	W	33	N	5.4	5.5	1.3	76	KERMADEC ISLANDS REGION
	22	19	58	47.9?	46.09	N	25.51	E	33	N			1.3	5	ROMANIA
	22	20	14	27.2&	59.529	N	152.492	W	75					28	SOUTHERN ALASKA. <AGS-P>.
	22	21	08	20.4?	32.49	S	69.39	W	114	?			1.0	6	MENDOZA PROVINCE, ARGENTINA
	22	21	09	42.9*	31.388	S	68.833	W	123	*			1.0	15	SAN JUAN PROVINCE, ARGENTINA
a	22	22	20	26.7	27.438	S	176.571	W	33	N	5.3		1.2	78	KERMADEC ISLANDS REGION
	22	23	22	19.2%	46.421	N	2.487	E	10	G			0.4	5	FRANCE. ML 1.7 (LDG).
	22	23	43	06.8*	19.589	S	68.838	W	144	*			1.6	9	CHILE-BOLIVIA BORDER REGION
	23	00	43	11.4&	59.436	N	152.324	W	74					35	SOUTHERN ALASKA. <AGS-P>.
	23	00	48	25.8&	59.335	N	138.802	W	12					16	SOUTHEASTERN ALASKA. <AGS-P>.
	23	01	11	19.4*	27.568	S	176.708	W	33	N	5.0		1.5	14	KERMADEC ISLANDS REGION
	23	01	23	35.6	35.304	N	136.518	E	10	G			0.5	7	SOUTHERN HONSHU, JAPAN. Felt (III JMA) at Gifu, (II JMA) at Iida and Nagoya and (I JMA) at Hikone.
	23	01	42	31.5	52.514	N	168.161	W	33	N	5.0		1.1	106	FOX ISLANDS, ALEUTIAN ISLANDS
	23	02	07	19.5	4.401	S	152.188	E	142		5.0		1.0	35	NEW BRITAIN REGION
a	23	02	18	51.8	15.570	S	167.561	E	160	G	5.7		1.2	209	VANUATU ISLANDS. Depth from broadband displacement seismograms.
	23	03	09	41.6?	41.93	N	142.57	E	66	*	4.5		0.6	8	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakawa.
a	23	03	54	20.8	6.097	S	146.306	E	127	D	5.8		1.0	234	EAST PAPUA NEW GUINEA REGION
	23	04	50	29.8	33.521	N	139.076	E	209		4.8		1.0	70	SOUTH OF HONSHU, JAPAN
	23	06	26	37.0?	14.71	N	145.63	E	33	N			0.3	9	MARIANA ISLANDS
	23	06	46	14.8?	34.53	S	70.90	W	33	N			1.1	8	CHILE-ARGENTINA BORDER REGION
	23	08	58	52.3*	0.560	N	96.634	E	33	N	3.9		1.0	8	OFF W COAST OF NORTHERN SUMATERA
	23	09	03	14.1	11.058	S	165.302	E	33	N	5.1		1.1	32	SANTA CRUZ ISLANDS

	23	11	05	30.8	7.138	S	129.236	E	130	•	5.0		1.0	46	BANDA SEA
	23	12	24	46.5•	11.097	S	165.356	E	33	N	5.2		1.0	26	SANTA CRUZ ISLANDS
	23	12	40	36.5?	56.03	N	153.95	W	33	N	4.3		1.5	7	KODIAK ISLAND REGION
	23	15	20	41.6	11.331	S	165.121	E	33	N	3.9		0.5	9	SANTA CRUZ ISLANDS
	23	15	33	27.3&	60.183	N	152.913	W	116					25	SOUTHERN ALASKA. <AGS-P>.
q	23	15	48	43.7	11.037	S	165.204	E	19	D	5.4	6.5	1.1	153	SANTA CRUZ ISLANDS. Ms 6.5 (BRK).
	23	15	56	31.3•	11.038	S	165.432	E	33	N	5.2		1.0	24	SANTA CRUZ ISLANDS
	23	16	11	47.6•	32.710	S	66.264	W	33	N			0.7	7	SAN LUIS PROVINCE, ARGENTINA
	23	16	21	48.5•	39.991	N	28.452	E	10	G			1.3	11	TURKEY
q	23	16	23	49.2	11.086	S	165.537	E	24	•	5.5	6.4	1.0	153	SANTA CRUZ ISLANDS
	23	17	02	07.0•	6.165	S	151.907	E	33	N	3.9		1.4	8	NEW BRITAIN REGION
	23	17	24	42.3&	62.656	N	150.870	W	100					13	CENTRAL ALASKA. <AGS-P>.
	23	17	32	34.6•	11.278	S	165.114	E	33	N	4.4		1.3	13	SANTA CRUZ ISLANDS
	23	17	33	06.0	11.228	S	165.233	E	36	•	5.0	5.8	1.1	39	SANTA CRUZ ISLANDS
	23	17	37	48.3?	45.46	N	26.43	E	146	?			0.5	5	ROMANIA
	23	17	57	30.5•	4.301	S	150.885	E	33	N	3.5		1.2	5	NEW BRITAIN REGION
	23	18	37	19.4?	14.78	N	60.18	W	33	N			0.7	8	WINDWARD ISLANDS. ML 2.7 (FDF).
	23	18	43	42.4?	55.14	S	28.89	W	33	N	4.7		1.2	9	SOUTH SANDWICH ISLANDS REGION
q	23	18	44	57.4	11.116	S	165.179	E	38	D	5.7	5.5	0.9	179	SANTA CRUZ ISLANDS
	23	19	08	23.7•	11.065	S	165.296	E	33	N	4.3		1.2	13	SANTA CRUZ ISLANDS
	23	20	28	20.5•	11.123	S	165.153	E	33	N	4.3		1.2	13	SANTA CRUZ ISLANDS
	23	21	58	53.0	6.078	S	149.442	E	55	•	5.1		1.4	39	NEW BRITAIN REGION
	23	22	16	42.3?	25.97	S	176.30	W	33	N	4.7		1.1	10	SOUTH OF FIJI ISLANDS
	24	01	01	08.5	11.260	S	165.252	E	33	N	4.8		1.1	28	SANTA CRUZ ISLANDS
	24	01	50	10.6?	20.75	S	178.73	W	624	?	3.9		0.5	11	FIJI ISLANDS REGION
q	24	02	42	51.6	25.319	S	70.176	W	51	D	5.6		1.1	130	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Antofogosto.
	24	02	57	28.0	5.792	S	153.951	E	47	•	4.7		1.2	26	NEW IRELAND REGION
q	24	02	58	47.0	5.629	S	153.875	E	52		5.7	6.3	1.2	141	NEW IRELAND REGION. Felt (III) at Panguno, Bougoinville.
	24	04	54	47.7&	46.303	N	112.043	W	3	G				12	MONTANA. <BUT>. ML 3.2 (BUT), 3.5 (NEIS). Felt at Elkhorn.
q	24	05	27	36.5	10.991	S	164.987	E	47	D	5.6	6.0	1.0	181	SANTA CRUZ ISLANDS REGION
q	24	05	53	17.8	10.884	S	165.215	E	33	N	5.6	5.9	1.0	159	SANTA CRUZ ISLANDS
	24	06	02	11.6•	11.313	S	165.089	E	33	N	4.6		1.2	13	SANTA CRUZ ISLANDS
	24	06	17	28.9•	11.275	S	165.174	E	33	N	4.7		1.3	12	SANTA CRUZ ISLANDS
	24	07	07	38.0•	11.295	S	165.408	E	33	N	4.6		1.2	19	SANTA CRUZ ISLANDS
	24	07	37	29.9•	11.261	S	165.129	E	33	N	4.8		1.4	18	SANTA CRUZ ISLANDS
	24	07	50	31.0&	59.080	N	154.406	W	129					32	SOUTHERN ALASKA. <AGS-P>.
	24	08	14	54.9?	6.42	S	147.00	E	28	•	4.2		1.2	8	EAST PAPUA NEW GUINEA REGION
	24	10	12	45.3	28.056	S	176.766	W	44	D	4.9	4.9	0.9	44	KERMADEC ISLANDS REGION
	24	10	17	29.9	19.231	N	146.371	E	88	•	4.9		1.0	58	MARIANA ISLANDS REGION
q	24	11	00	47.2	51.402	N	176.859	W	33	N	5.2	4.3	1.2	93	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR). Felt (III) on Adok.
	24	11	04	18.1?	15.27	S	173.45	W	33	N	4.7		1.1	11	TONGA ISLANDS
	24	11	07	26.0•	51.229	N	15.667	E	10	G			1.3	12	POLAND. ML 3.8 (VKA).
	24	11	17	20.3•	11.363	S	164.919	E	33	N	4.6		1.2	14	SANTA CRUZ ISLANDS REGION
	24	11	50	25.4•	11.015	S	165.226	E	33	N	4.4		1.2	15	SANTA CRUZ ISLANDS
	24	11	51	48.4?	56.06	N	153.20	W	33	N	4.3		1.8	11	KODIAK ISLAND REGION
	24	12	42	23.1•	6.989	N	73.295	W	159	•	5.1		1.6	13	NORTHERN COLOMBIA
	24	13	59	08.1?	38.32	N	20.46	E	10	G			1.5	9	GREECE. ML 4.0 (ATH).
	24	14	34	53.8&	60.946	N	151.486	W	69					51	KENAI PENINSULA, ALASKA. <AGS-P>. Felt at Eagle River.
	24	14	45	36.5•	41.673	N	19.401	E	10	G			1.3	8	ALBANIA. ML 2.5 (TTG).
	24	15	03	47.5•	10.985	S	165.096	E	33	•	4.9		1.2	35	SANTA CRUZ ISLANDS
	24	15	13	58.7?	11.35	S	162.60	E	33	N	4.1		1.2	6	SOLOMON ISLANDS
	24	16	03	17.3•	27.859	S	176.702	W	33	N	4.7		1.0	10	KERMADEC ISLANDS REGION
	24	16	15	14.3•	11.507	S	165.079	E	33	N	4.3		1.0	12	SANTA CRUZ ISLANDS
	24	16	21	43.0	45.474	N	26.308	E	147	•			0.7	14	ROMANIA
	24	16	28	51.5•	11.203	S	164.975	E	33	N	4.3		1.1	12	SANTA CRUZ ISLANDS REGION
	24	17	48	02.4	11.236	S	165.473	E	33	N	5.2		1.2	40	SANTA CRUZ ISLANDS
	24	17	52	08.2?	10.64	S	166.76	E	33	N	4.6		1.1	6	SANTA CRUZ ISLANDS
	24	18	52	54.2%	46.949	N	1.822	W	10	G			1.2	12	FRANCE. ML 3.1 (LDG).
	24	19	10	30.1?	51.18	N	20.05	E	10	G			1.4	5	POLAND. ML 2.7 (KBA).
	24	19	42	57.2&	32.960	N	117.820	W	10					10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	24	20	10	00.2•	50.990	N	15.665	E	10	G			0.3	6	CZECHOSLOVAKIA. ML 2.8 (KBA).
	24	20	13	35.6•	38.168	N	142.310	E	33	N	4.1		0.8	5	NEAR EAST COAST OF HONSHU, JAPAN
	24	20	28	10.7•	38.396	N	25.070	E	10	G			1.3	11	AEGEAN SEA. ML 3.2 (ATH).
	24	21	09	47.0	5.731	S	153.929	E	50	•	4.1		1.3	30	NEW IRELAND REGION
q	24	22	35	35.6	27.591	S	176.121	W	44	D	5.2	4.6	1.1	81	KERMADEC ISLANDS REGION
	24	23	33	54.6	47.902	N	7.449	E	10	G			0.2	7	SWITZERLAND. ML 2.6 (LDG).
	25	01	07	15.2	27.754	S	176.216	W	33	N	5.0		1.0	6	KERMADEC ISLANDS REGION
	25	01	47	26.1	27.301	S	176.225	W	33	N	5.2	4.8	1.0	66	KERMADEC ISLANDS REGION
	25	01	56	03.7%	46.742	N	0.880	W	10	G			0.8	8	FRANCE. ML 3.0 (LDG).
	25	02	51	43.4•	51.073	N	175.908	W	33	N	4.7		1.3	20	ANDREANOF ISLANDS, ALEUTIAN IS.
q	25	04	35	53.1	5.655	S	154.050	E	48		5.3		0.9	71	SOLOMON ISLANDS
	25	05	13	04.7	17.573	S	178.940	W	536		4.4		0.9	63	FIJI ISLANDS REGION
	25	05	29	44.9•	11.132	S	164.960	E	33	N	4.8		1.1	17	SANTA CRUZ ISLANDS REGION
	25	07	05	48.8	27.883	S	176.151	W	33	N	5.2		0.8	71	KERMADEC ISLANDS REGION
	25	07	17	18.1•	30.537	S	68.712	W	73	?			1.0	9	SAN JUAN PROVINCE, ARGENTINA
	25	09	16	02.3•	5.804	S	150.098	E	146	•	3.8		1.1	7	NEW BRITAIN REGION
	25	10	40	48.5•	64.194	N	154.191	W	33	N			1.4	8	CENTRAL ALASKA. ML 3.7 (PMR).
	25	10	45	39.0	10.129	S	159.574	E	165	?	4.1		0.6	6	SOLOMON ISLANDS
	25	10	55	24.7?	34.75	S	70.68	W	33	N			0.6	5	CHILE-ARGENTINA BORDER REGION
	25	12	58	14.2	36.382	N	140.762	E	66		4.5		0.7	17	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Mito, (II JMA) at Utsunomiya and (I JMA) at Kumagaya and Onohama.
	25	13	50	55.5•	26.944	S	177.150	W	33	N	5.3		1.0	18	SOUTH OF FIJI ISLANDS
	25	14	23	26.2&	60.228	N	152.918	W	109					28	SOUTHERN ALASKA. <AGS-P>.
	25	14	55	25.1?	79.46	N	97.52	W	10	G	4.0		1.5	7	QUEEN ELIZABETH ISLANDS
	25	15	01	26.6?	11.61	S	165.48	E	33	N	4.3		1.4	10	SANTA CRUZ ISLANDS
	25	16	17	02.1	2.519	S	102.356	E	175		4.8		0.9	40	SOUTHERN SUMATERA
	25	16	27	22.5?	10.73	N	63.41	W	30	•			0.3	7	NEAR COAST OF VENEZUELA
	25	16	40	28.4&	36.100	N	117.850	W	4					6	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	25	16	45	58.9•	2.679	N	126.850	E	33	N	4.2		0.7	8	MOLUCCA PASSAGE

	25	17	03	45.0	1.832	N	127.464	E	113	*	5.0		1.1	45	HALMAHERA
	25	17	16	38.4	43.399	N	71.590	W	5	G			0.6	22	NORTHERN NEW ENGLAND. mbLg 3.9 (NEIS). Felt (V) at Boscawen and Henniker, New Hampshire. Felt (IV) at Andover, Belmont, Brookline, Concord, Franklin, Greenfield, Keene, Loconio, New Ipswich, Pittsfield, Rindge, Sanbornton, South Newbury, Straffard, Tilton, Warner and Washington, New Hampshire. Felt in southern New Hampshire and parts of Massachusetts.
	25	17	49	04.0	40.586	N	23.786	E	10	G			1.0	14	GREECE
	25	18	09	14.9	15.070	S	167.288	E	145	*	4.5		1.2	28	VANUATU ISLANDS
	25	18	21	13.7	43.417	N	71.571	W	5	G			0.4	21	NORTHERN NEW ENGLAND. CL 2.6 (CAM).
	25	18	40	09.8*	6.218	S	149.500	E	43	*	4.3		1.4	12	NEW BRITAIN REGION
	25	19	02	25.7?	14.92	N	60.55	W	33	N			0.1	5	WINDWARD ISLANDS. ML 2.9 (FDF).
	25	20	07	14.2&	60.715	N	152.112	W	89					39	SOUTHERN ALASKA. <AGS-P>.
	25	20	07	25.1	51.554	N	16.071	E	22		4.9		1.2	63	POLAND. ML 4.9 (GRF), 4.7 (VKA), 4.6 (KBA).
	25	20	41	29.7*	16.056	S	167.251	E	38	*	4.4		1.2	21	VANUATU ISLANDS
f	25	20	47	01.8	17.663	S	168.135	E	31	G	5.8	5.9	1.1	263	VANUATU ISLANDS. Ms 6.2 (BRK). Depth from broadband displacement seismograms.
	25	20	56	58.4?	16.39	N	60.95	W	33	N			0.7	5	LEEWARD ISLANDS. ML 2.1 (FDF).
	25	21	16	23.1	43.409	N	71.606	W	5	G			0.7	13	NORTHERN NEW ENGLAND. CL 1.9 (CAM).
	25	21	25	29.7*	26.069	N	88.245	E	33	N			1.2	8	INDIA-BANGLADESH BORDER REGION. Felt at Rongpur, Bonglodesh.
	25	22	34	37.9*	51.114	N	16.053	E	10	G			1.2	5	POLAND
	26	00	46	19.0	40.311	N	119.725	W	5	G			1.1	8	NEVADA. ML 2.5 (BRK).
a	26	00	59	23.0	5.680	S	154.051	E	49	D	5.6	4.7	1.0	112	SOLOMON ISLANDS. Felt (III) at Arawa, Bougoinville.
a	26	02	59	34.0	27.719	S	176.154	W	44	D	5.3	5.3	1.1	92	KERMADEC ISLANDS REGION. Ms 5.4 (BRK).
	26	03	16	38.7*	6.054	S	130.895	E	94	*	4.5		1.4	19	BANDA SEA
	26	03	33	51.6*	53.521	N	163.672	W	33	N	4.7		0.9	23	UNIMAK ISLAND REGION
	26	03	34	05.8	53.524	N	163.705	W	33	N	5.1	5.0	0.8	56	UNIMAK ISLAND REGION. ML 5.1 (PMR).
a	26	04	43	27.4	53.758	N	170.049	W	214	D	5.4		0.9	270	FOX ISLANDS, ALEUTIAN ISLANDS
	26	04	45	53.1*	37.333	N	27.449	E	10	G			1.0	9	TURKEY
	26	04	49	31.7	40.751	N	28.994	E	32				1.1	22	TURKEY. ML 4.1 (ATH). Felt at Istonbul.
	26	05	17	35.3	37.224	N	116.448	W	5	G			0.3	10	SOUTHERN NEVAOA. ML 3.1 (PAS).
	26	05	19	23.4?	44.08	N	129.37	W	10	G	4.9		1.4	14	OFF COAST OF OREGON
	26	05	57	50.3&	61.568	N	146.357	W	34					48	SOUTHERN ALASKA. <AGS-P>. ML 3.5 (PMR).
	26	07	05	53.3?	41.37	S	86.60	W	10	G	4.6		1.5	17	WEST CHILE RISE
	26	08	13	23.5	10.798	S	74.845	W	16		4.6		1.3	38	PERU
	26	08	27	35.6&	60.033	N	152.676	W	96					44	SOUTHERN ALASKA. <AGS-P>.
	26	10	20	13.8	37.473	N	118.371	W	5	G			0.7	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (PAS).
	26	10	27	38.7?	5.88	S	132.51	E	33	N	4.5		1.3	7	AROE ISLANDS REGION
	26	11	34	36.3	61.744	N	3.056	E	10	G	4.5		1.2	31	NORWEGIAN SEA. MD 4.0 (BER).
	26	11	56	57.0?	61.90	N	2.73	E	10	G			0.3	8	NORWEGIAN SEA. MD 2.6 (BER).
	26	13	12	39.1*	33.446	N	140.623	E	81	?	4.8		0.8	9	SOUTH OF HONSHU, JAPAN. Felt (I JMA) on Hachijo-jimo.
	26	13	32	10.6?	42.16	N	23.17	E	10	G			0.3	7	BULGARIA
	26	14	30	55.3	21.494	S	68.431	W	129		4.0		1.2	25	CHILE-BOLIVIA BORDER REGION
	26	16	09	40.2&	59.803	N	153.843	W	145					27	SOUTHERN ALASKA. <AGS-P>.
	26	16	11	51.8*	31.939	S	67.319	W	139	?			0.8	14	SAN JUAN PROVINCE, ARGENTINA
	26	17	16	53.0*	11.360	S	166.890	E	33	N	4.4		1.0	16	SANTA CRUZ ISLANDS
	26	17	42	17.0*	37.373	N	26.763	E	33	N			0.4	7	DODECANESE ISLANDS. ML 3.8 (ATH).
	26	19	00	05.9*	10.892	S	165.265	E	33	N	4.4		0.9	11	SANTA CRUZ ISLANDS
	26	20	46	59.6?	45.74	N	26.79	W	10	G	4.3	4.3	1.1	12	NORTH ATLANTIC RIDGE
	26	20	56	44.1	25.771	N	102.848	E	33	N	4.5		1.3	24	YUNNAN PROVINCE, CHINA. ML 4.7 (BJI).
	26	21	04	17.4?	33.06	S	178.89	W	33	N	4.7		1.4	10	SOUTH OF KERMADEC ISLANDS
	26	21	08	32.7?	46.34	N	27.54	W	10	G	4.4		0.4	9	NORTH ATLANTIC RIDGE
	26	21	44	16.4*	28.752	S	69.949	W	29	?			1.1	10	CHILE-ARGENTINA BORDER REGION
	26	21	56	34.9*	42.001	N	2.836	E	10	G			1.3	11	PYRENEES. ML 2.9 (LDG). Felt (III) at Amer, Spain.
	26	22	18	24.6*	47.394	N	1.122	W	10	G			1.0	12	FRANCE. ML 2.9 (LDG).
	26	22	19	41.6	57.716	N	156.290	W	165	*			0.8	45	ALASKA PENINSULA
	26	22	20	56.0*	37.387	N	26.987	E	33	N			0.9	10	DODECANESE ISLANDS. ML 4.0 (ATH).
	26	23	01	15.5*	45.585	N	26.495	E	141	?			1.1	13	ROMANIA
	26	23	04	13.6?	46.10	N	27.59	W	10	G	4.3		1.4	7	NORTH ATLANTIC RIDGE
a	27	00	09	31.9	46.009	N	27.624	W	10	G	5.3	5.2	0.9	152	NORTH ATLANTIC RIDGE
	27	02	06	45.5&	37.175	N	121.583	W	8					24	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK). Mo=9.0*10**21 (BRK). Felt (II) at Morgan Hill. Also felt near Anderson Reservoir.
	27	03	33	01.1?	18.36	S	174.47	E	33	N	4.5		0.7	7	FIJI ISLANDS REGION
	27	03	50	59.8	46.107	N	27.637	W	10	G	4.5		1.0	41	NORTH ATLANTIC RIDGE
	27	04	25	21.7	38.705	S	175.717	E	136		5.3		1.2	41	NORTH ISLAND, NEW ZEALAND. Felt throughout central New Zealand.
	27	04	36	37.8	37.872	N	2.505	W	10	G			1.1	18	SPAIN. MG 4.1 (MDD). Felt (V) at Huescor, (IV) ot Golero and Pueblo de Don Fadrique and (III) at Castril.
	27	04	46	55.2	37.873	N	2.481	W	10	G			1.2	23	SPAIN. MG 4.4 (MDD). Felt (V) ot Huescor.
a	27	05	50	46.0	4.284	S	152.964	E	63		5.0		0.9	61	NEW BRITAIN REGION. Felt (III) ot Robaul.
	27	06	07	39.3?	25.59	S	177.16	W	33	N	4.8		1.6	9	SOUTH OF FIJI ISLANDS
	27	06	39	04.4?	28.12	S	176.65	W	33	N	4.7	4.6	1.4	12	KERMADEC ISLANDS REGION
	27	07	05	12.7*	5.398	S	129.362	E	241	*	4.5		0.9	9	BANDA SEA
	27	08	02	52.3	34.215	S	78.937	W	10	G	5.0	4.5	1.0	48	JUAN FERNANDEZ ISLANDS REGION
	27	08	07	04.5*	23.983	N	123.229	E	33	N	4.4		0.3	5	SOUTHWESTERN RYUKYU ISLANDS
	27	08	17	56.2*	0.189	S	122.682	E	150	?	5.0		0.9	12	MINAHASSA PENINSULA
	27	10	17	59.6	11.469	S	165.729	E	33	N	4.9	4.6	1.1	45	SANTA CRUZ ISLANDS
	27	12	15	31.8	42.725	N	145.597	E	45	*	4.9		1.0	51	HOKKAIDO, JAPAN REGION
	27	13	10	34.3*	2.947	S	130.601	E	33	N	4.3		1.4	13	CERAM
a	27	14	11	58.3	7.517	N	36.658	W	10	G	5.3	4.9	1.1	150	CENTRAL MID-ATLANTIC RIDGE
	27	14	48	56.2*	26.335	S	27.260	E	5	G			0.8	5	REPUBLIC OF SOUTH AFRICA. MG 3.9 (BUL).
	27	15	27	15.0*	52.060	N	173.916	W	33	N	4.8		0.9	16	ANDREANOF ISLANDS, ALEUTIAN IS.
	27	17	00	44.7	11.538	S	165.704	E	33	N	4.1		1.4	9	SANTA CRUZ ISLANDS
	27	18	48	23.6&	59.526	N	153.411	W	118					34	SOUTHERN ALASKA. <AGS-P>.
	27	19	39	36.5&	60.928	N	149.464	W	39					51	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.6 (PMR). Felt (III) ot Anchoroge and Eogle River.
	27	19	45	19.7	50.967	N	5.596	E	10	G			0.3	6	BELGIUM. ML 2.0 (UCC). Felt in the Genk areo.
	27	20	40	09.3*	50.387	N	7.077	E	10	G			0.7	5	GERMANY
	27	21	07	17.7*	13.627	S	75.049	W	33	N			1.1	5	PERU
	27	21	52	44.3	20.680	N	119.800	E	10	G	4.7		0.9	18	PHILIPPINE ISLANDS REGION

	27	22 32 21.3	41.930	N	19.460	E	20		4.5		1.2	118	ALBANIA. ML 4.9 (ATH), 4.7 (SKO), 4.6 (TTG). Felt (VI) at Bar and Ulcinj and (IV) at Titograd, Yugoslavia. Also felt in western Macedonia, Yugoslavia.
	27	22 45 22.9	41.948	N	19.429	E	14		3.7		1.1	51	ALBANIA. ML 4.3 (ATH), 3.9 (SKO). MD 3.8 (TTG). Felt along the coast of Montenegro, Yugoslavia.
	27	23 18 36.0	40.723	N	23.071	E	10	G			0.4	9	GREECE
	27	23 31 56.6&	60.559	N	151.396	W	49					35	KENAI PENINSULA, ALASKA. <AGS-P>.
	27	23 50 35.4*	27.668	S	176.375	W	33	N	5.2		0.5	6	KERMADEC ISLANDS REGION
	28	00 25 01.9?	31.90	S	67.18	W	157	?			0.7	12	SAN JUAN PROVINCE, ARGENTINA
	28	00 31 48.6	41.923	N	19.583	E	10	G			0.9	10	ALBANIA. ML 2.6 (TTG).
	28	00 51 15.1	41.928	N	19.599	E	10	G			0.8	6	ALBANIA. ML 2.5 (TTG).
	28	01 16 46.6*	41.909	N	19.574	E	10	G			0.7	5	ALBANIA. ML 2.5 (TTG).
	28	01 21 10.9	41.975	N	19.554	E	10	G			1.1	9	ALBANIA. ML 2.5 (TTG).
	28	01 29 54.8	41.945	N	19.543	E	10	G			0.8	9	ALBANIA. ML 2.7 (TTG).
	28	01 56 01.3	11.473	N	125.986	E	33	N	4.5		1.5	25	SAMAR, PHILIPPINE ISLANDS
	28	02 02 30.1	41.960	N	19.581	E	10	G			1.0	11	ALBANIA. ML 2.7 (TTG).
	28	02 07 18.5?	32.53	S	71.54	W	33	N			1.1	8	NEAR COAST OF CENTRAL CHILE
	28	02 26 18.9*	51.603	N	16.198	E	10	G			0.3	11	POLAND. ML 3.4 (VKA), 3.4 (KBA).
	28	03 11 48.1?	56.49	N	154.11	W	33	N	4.3		1.7	6	KODIAK ISLAND REGION. ML 3.3 (PMR).
	28	03 59 25.2*	6.306	S	147.703	E	87	*	3.8		1.1	9	EAST PAPUA NEW GUINEA REGION
	28	04 02 43.8?	28.18	S	176.59	W	33	N	4.9		1.6	15	KERMADEC ISLANDS REGION
	28	05 24 58.7?	5.18	S	132.34	E	81	?	3.9		1.0	7	AROE ISLANDS REGION
	28	05 28 36.9	41.943	N	19.633	E	10	G			1.1	9	ALBANIA. ML 2.7 (TTG).
	28	05 33 12.6	41.953	N	19.581	E	10	G			0.5	9	ALBANIA. ML 2.7 (TTG).
	28	06 48 10.3	40.002	N	1.153	W	10	G			1.2	11	SPAIN. MG 3.3 (MDD). Felt (V) at Landete, Talayuelas, Fuentelespina de Moya and Santa Cruz de Moya. Felt (IV) at Baniches and (III) at Enguidanos.
	28	07 02 27.5*	41.937	N	19.402	E	33	N			1.6	6	ALBANIA. ML 2.6 (TTG).
	28	07 13 38.4	15.168	N	146.829	E	45	*	5.0		1.2	82	MARIANA ISLANDS
	28	08 15 17.0?	56.72	N	153.70	W	33	N	3.6		0.8	5	KODIAK ISLAND REGION. ML 3.0 (PMR).
	28	08 29 15.7&	60.888	N	147.146	W	23					40	SOUTHERN ALASKA. <AGS-P>.
	28	08 30 13.6	41.939	N	19.616	E	10	G			1.0	13	ALBANIA. ML 2.6 (TTG).
	28	08 52 52.5*	23.900	S	66.823	W	216	*	4.4		0.7	9	JUJUY PROVINCE, ARGENTINA
	28	09 30 06.8?	36.00	N	139.97	E	74	?			1.3	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Utsunomiya and (I JMA) at Nikka and Mita.
	28	09 41 49.5?	23.87	S	179.69	W	562	?	4.7		1.2	12	SOUTH OF FIJI ISLANDS
	28	10 04 56.4%	60.162	N	4.778	E	10	G			0.2	5	SOUTHERN NORWAY. MD 1.9 (BER).
	28	10 59 20.4*	16.249	S	177.951	E	33	N	4.4		1.1	11	FIJI ISLANDS. Felt at Dreketi.
	28	11 02 51.6*	16.245	S	177.954	E	17		4.3		0.7	12	FIJI ISLANDS. Felt (III) at Nabouwalu. Also felt at Mbua.
	28	11 06 10.8*	28.030	S	176.252	W	35	D	4.9		1.3	23	KERMADEC ISLANDS REGION
	28	11 47 24.0&	37.517	N	118.460	W	4					16	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK), 3.2 (PAS).
	28	11 50 44.6*	34.757	N	26.228	E	10	G	4.8		0.4	6	CRETE. ML 4.0 (ATH).
	28	12 28 59.4	41.941	N	19.543	E	10	G			1.0	7	ALBANIA. ML 2.2 (TTG).
	28	12 47 14.2	16.122	S	177.900	E	33	N	3.7		0.4	11	FIJI ISLANDS. Felt at Suva.
	28	13 41 29.1*	20.630	S	169.772	E	133	*	4.2		1.5	23	VANUATU ISLANDS
	28	14 11 01.9*	22.305	S	67.147	W	198	*			1.5	8	CHILE-BOLIVIA BORDER REGION
	28	14 16 50.5%	42.199	N	26.059	E	10	G			1.0	6	BULGARIA
	28	14 24 13.1?	11.56	S	119.03	E	33	N	4.6		0.8	6	SOUTH OF SUMBA ISLAND
	28	14 45 18.0	16.825	S	178.786	E	10	G	3.8		0.5	10	FIJI ISLANDS. Felt (III) at Nabouwalu. Also felt at Mbua.
	28	14 47 12.0*	29.620	S	13.626	W	10	G	4.8		1.2	13	SOUTH ATLANTIC RIDGE
	28	15 04 21.3	26.978	S	26.676	E	5	G	5.2	5.3	0.9	89	REPUBLIC OF SOUTH AFRICA. Same damage in the Klerksdarp area. Felt at Pretoria.
a	28	15 11 23.3	30.481	S	60.182	E	10	G	5.6	5.5	1.0	169	ATLANTIC-INDIAN RISE
	28	15 16 12.7*	30.598	S	60.021	E	10	G	5.4		1.0	24	ATLANTIC-INDIAN RISE
	28	15 30 51.7*	45.974	N	27.672	W	10	G	4.5		1.0	25	NORTH ATLANTIC RIDGE
	28	15 54 54.4	23.556	S	68.447	W	101	D	5.0		1.3	77	NORTHERN CHILE
a	28	17 18 17.9	30.497	S	60.061	E	10	G	5.4	5.1	1.2	108	ATLANTIC-INDIAN RISE
	28	18 42 24.0	2.567	S	79.736	W	33	N	4.8		0.9	24	NEAR COAST OF ECUADOR
	28	19 19 42.0	63.552	N	150.877	W	33	N			0.5	7	CENTRAL ALASKA. ML 3.4 (PMR).
	28	20 25 18.1*	24.517	N	123.295	E	33	N	4.6		1.2	12	SOUTHWESTERN RYUKYU ISLANDS
	28	21 29 00.8&	38.772	N	122.790	W	2	G				10	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	28	22 19 12.8	18.004	S	69.596	W	158	*			1.1	9	NORTHERN CHILE
	28	23 15 51.9	42.321	N	19.984	E	10	G			0.8	9	YUGOSLAVIA. ML 2.4 (TTG).
	28	23 21 29.8	34.311	N	26.116	E	10	G	3.8		1.3	8	CRETE. ML 4.2 (ATH).
	28	23 30 20.9	9.781	S	112.632	E	26	*	3.6		1.5	8	SOUTH OF JAVA
	28	23 33 31.5*	40.822	N	142.851	E	33	N	4.3		1.5	7	NEAR EAST COAST OF HONSHU, JAPAN
	29	00 16 39.5*	28.152	S	176.727	W	33	N	4.6		0.6	7	KERMADEC ISLANDS REGION
	29	00 39 08.1*	15.066	N	94.285	W	33	N	4.4		1.1	16	NEAR COAST OF OAXACA, MEXICO
	29	00 41 58.8?	4.02	S	144.84	E	33	N	3.6		1.5	5	NEAR N COAST OF PAPUA NEW GUINEA
	29	01 16 21.1%	15.203	N	61.357	W	10	G			1.0	10	LEEWARD ISLANDS. ML 3.0 (PAG). Felt on southern Dominica.
	29	01 25 57.9%	15.326	N	61.213	W	10	G			0.8	8	LEEWARD ISLANDS. MG 2.9 (FDF). Felt on southern Dominica.
	29	01 45 09.1	41.934	N	19.549	E	10	G			0.3	7	ALBANIA. ML 2.6 (TTG).
a	29	02 15 17.8	47.175	N	154.097	E	33	N	5.4	4.4	0.9	165	KURIL ISLANDS
	29	02 38 15.3&	32.610	N	117.150	W	15		3.9			43	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 4.1 (PAS), 4.4 (BRK). Felt (V) at Dulzura, El Cajan, Encinitas, Imperial Beach, San Diego and Spring Valley, California. Felt (IV) at Bonita, Carlsbad, Chula Vista, Descanso, Julian, Lakeside, Leman Grove, NAS North Island, National City, Palomar Mountain, Poway, Potrero, Ramona, Rancho Penosquitos and Santee, California. Felt from Tijuana, Mexico north to the Los Angeles, California area.
	29	03 15 10.6*	37.408	N	26.966	E	33	N			1.0	6	DODECANESE ISLANDS. ML 4.0 (ATH).
	29	03 46 12.6?	38.44	N	20.08	E	10	G			1.3	5	GREECE. ML 3.8 (ATH).
	29	03 58 50.9*	17.577	S	178.985	W	583	*	4.9		0.7	22	FIJI ISLANDS REGION
	29	05 03 41.3&	38.440	N	89.040	W	5	G				5	SOUTHERN ILLINOIS. <SLM-P>. mbLg 2.7 (NEIS). Felt (III) at Salem. Also felt in northern Jefferson County.
	29	05 46 54.2*	27.311	S	69.323	W	158	?			1.1	11	NORTHERN CHILE

	29	05	53	28.6%	46.027	N	2.870	E	10	G			0.4	8	FRANCE. ML 1.5 (LDG).
	29	07	12	19.7*	6.849	S	145.946	E	142	*	3.7		0.8	8	PAPUA NEW GUINEA
	29	08	13	31.6%	43.817	N	8.261	E	10	G			0.7	9	CORSICA. ML 3.0 (LDG).
	29	08	15	34.5&	34.730	N	120.140	W	0					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	29	11	12	08.8	43.642	N	10.156	E	10	G			1.2	21	CENTRAL ITALY. MD 3.3 (TRI), ML 3.2 (LDG).
	29	11	40	02.2	41.946	N	19.574	E	10	G			0.3	7	ALBANIA. ML 2.7 (TTG).
	29	14	40	52.7	11.416	N	140.824	E	33	N	5.0	4.7	1.1	49	WEST CAROLINE ISLANDS
a	29	15	28	56.7	9.271	N	126.784	E	33	N	5.3	5.2	1.2	96	MINDANAO, PHILIPPINE ISLANDS
	29	15	32	56.1*	5.832	S	154.019	E	49	*	4.8		1.2	16	SOLOMON ISLANDS
	29	16	35	21.6?	52.49	N	173.99	W	33	N	4.5		1.3	5	ANDREANOF ISLANDS, ALEUTIAN IS.
	29	16	57	07.7	41.961	N	19.539	E	10	G			0.8	7	ALBANIA. ML 2.7 (TTG).
	29	17	12	47.0?	16.75	S	177.67	W	424	*	3.4		0.3	9	FIJI ISLANDS REGION
	29	17	45	06.9	41.959	N	19.634	E	10	G			0.8	8	ALBANIA. ML 2.7 (TTG).
	29	19	14	26.0	63.148	N	150.630	W	33	N			0.8	7	CENTRAL ALASKA. ML 3.0 (PMR).
	29	19	48	06.6	41.918	N	19.557	E	10	G			1.0	14	ALBANIA. MD 3.2 (TTG).
a	29	20	11	39.7	5.722	N	125.331	E	72		5.4		1.1	141	MINDANAO, PHILIPPINE ISLANDS
	29	21	10	47.8	36.577	N	68.075	E	33	N	4.4		1.1	12	HINDU KUSH REGION. Felt (III) at Pyandzh, Dushanbe and Kurgan-Tyube, USSR.
	29	21	29	07.1	5.875	S	127.801	E	414	*	4.7		1.1	49	BANDA SEA
	29	21	57	00.9*	7.362	N	77.210	W	33	N			1.5	13	PANAMA-COLOMBIA BORDER REGION
	29	22	13	14.4&	41.821	N	112.318	W	5					15	UTAH. <SLC-P>. ML 3.7 (SLC). Felt (IV) at Garland and Howell. Felt (III) at Plymouth, Portage, Riverside and Snowville. Also felt at Tremonton.
	29	22	56	13.9%	40.591	N	23.530	E	10	G			0.5	8	GREECE
	29	23	18	23.2?	19.06	S	168.67	E	171	*	4.7		1.4	14	VANUATU ISLANDS
	29	23	58	12.6	49.220	S	164.693	E	33	N	5.0		1.1	21	AUCKLAND ISLANDS REGION
	30	00	32	03.6	27.868	S	176.565	W	33	N	5.0	5.1	0.8	43	KERMADEC ISLANDS REGION
	30	01	19	36.8?	33.68	S	72.31	W	33	N			0.6	6	OFF COAST OF CENTRAL CHILE
f	30	01	28	54.5	21.702	S	176.616	W	188	G	6.4		0.9	453	FIJI ISLANDS REGION. mb 6.8 (PAS), 6.4 (BRK). Appears to be two events about 5 seconds apart, with slightly different locations. Depth based on first event. Depth from broadband displacement seismograms.
	30	03	46	46.7	39.761	N	28.761	E	10	G	4.0		0.9	33	TURKEY. ML 4.1 (ATH). Felt at Dursunbey.
	30	04	01	53.2&	38.093	N	119.260	W	6					25	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK).
	30	05	56	33.8*	8.459	N	102.916	W	10	G	4.8	4.5	1.1	46	OFF COAST OF MEXICO
	30	06	37	24.3*	44.002	N	33.933	E	10	G	4.2		1.4	21	CRIMEA REGION
	30	06	50	08.9?	6.19	N	126.35	E	96	?	4.5		1.5	13	MINDANAO, PHILIPPINE ISLANDS
	30	07	59	20.3	5.401	S	146.476	E	155		5.0		1.1	24	EAST PAPUA NEW GUINEA REGION
	30	08	23	12.3&	59.884	N	152.423	W	72					32	SOUTHERN ALASKA. <AGS-P>.
	30	09	06	17.7	23.524	S	179.896	W	555	*	4.6		1.1	47	SOUTH OF FIJI ISLANDS
	30	10	44	59.6?	31.50	S	71.81	W	33	N			0.6	8	NEAR COAST OF CENTRAL CHILE
	30	11	57	42.6*	22.027	S	176.535	W	195	?	4.5		0.7	13	SOUTH OF FIJI ISLANDS
	30	12	14	18.4*	10.899	S	165.351	E	33	N	4.3		0.8	15	SANTA CRUZ ISLANDS
	30	12	55	07.0*	16.116	N	119.737	E	33	N	4.5		1.3	8	LUZON, PHILIPPINE ISLANDS
	30	15	47	26.8?	14.94	N	60.37	W	33	N			0.1	5	WINDWARD ISLANDS. ML 2.7 (FDF).
	30	17	40	31.5	31.621	S	69.600	W	126		4.7		1.4	29	SAN JUAN PROVINCE, ARGENTINA
	30	18	12	08.3&	36.827	N	121.578	W	4					17	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt (III) at Aptos. Also felt at Watsonville.
	30	18	22	45.1	26.334	S	27.393	E	5	G			1.4	8	REPUBLIC OF SOUTH AFRICA. MG 4.0 (BUL).
	30	20	10	59.7	5.158	S	152.675	E	50	*	4.6		1.2	24	NEW BRITAIN REGION
	30	21	40	31.7*	1.834	N	126.491	E	49	?	4.7		1.3	21	MOLUCCA PASSAGE
	30	22	46	41.1&	60.226	N	153.039	W	121					26	SOUTHERN ALASKA. <AGS-P>.
	31	01	11	14.8*	2.219	S	76.458	W	175	*	4.3		1.1	14	PERU-ECUADOR BORDER REGION
	31	02	06	39.5*	6.987	N	71.515	W	33	N	5.3		1.2	6	NORTHERN COLOMBIA
	31	02	15	11.9	42.354	N	19.969	E	10	G			0.9	8	YUGOSLAVIA. ML 2.4 (TTG).
	31	02	33	07.2%	45.448	N	26.375	E	142	?			0.6	9	ROMANIA
	31	02	45	13.0*	39.672	N	21.005	E	10	G			1.2	8	GREECE
	31	03	15	11.5	42.336	N	19.918	E	10	G			1.1	8	YUGOSLAVIA. ML 2.3 (TTG).
	31	03	56	48.4?	28.63	S	67.45	W	200	?			1.2	10	LA RIOJA PROVINCE, ARGENTINA
	31	03	57	29.0&	38.417	N	119.320	W	3					31	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.6 (BRK). Mo=3.6*10**22 (BRK). Felt (IV) at Bridgeport and Topaz, California. Also felt at Coleville, South Lake Tahoe and Walker, California.
	31	04	07	20.6	51.522	N	175.826	W	33	N	4.8	3.8	1.1	38	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
	31	05	24	29.2?	17.35	S	179.42	W	561	*	4.3		0.6	14	FIJI ISLANDS REGION
a	31	07	05	52.7	6.765	N	73.021	W	166		5.2		1.0	120	NORTHERN COLOMBIA. Felt at Bogota, Bucaramanga, Manizales and Medellin.
	31	07	58	41.9	35.057	N	135.703	E	14				0.7	10	SOUTHERN HONSHU, JAPAN. Felt (II JMA) at Kyata.
	31	11	24	40.8	39.085	N	71.293	E	48	*	4.9		0.9	61	TAJIK SSR. Felt (V) at Dzhirgatal, (III) at Leninabad and (II) at Khorog and Dushanbe.
	31	11	33	33.8?	32.04	S	68.83	W	33	N			1.2	7	MENDOZA PROVINCE, ARGENTINA
	31	11	58	28.0&	41.825	N	112.319	W	5	G				11	UTAH. <SLC>. ML 3.5 (SLC). Felt (V) at Howell, (IV) at Portage and (III) at Garland. Also felt at Plymouth, Riverside and Tremonton.
	31	12	20	12.2	36.184	N	21.955	E	52		4.4		1.1	46	SOUTHERN GREECE
	31	14	27	05.1&	35.580	N	117.180	W	6	G				16	CENTRAL CALIFORNIA. <PAS-P>. ML 3.8 (PAS). Felt (III) in the Ridgecrest-China Lake area.
	31	16	40	49.1	9.445	S	117.490	E	72	*	4.6		1.4	39	SUMBAWA ISLAND REGION
	31	17	12	11.4?	24.03	S	66.95	W	223	?			1.4	6	SALTA PROVINCE, ARGENTINA
	31	17	31	32.2	46.741	N	10.386	E	10	G			1.0	21	NORTHERN ITALY. ML 3.1 (KBA), 2.7 (LDG).
	31	18	46	14.2&	36.947	N	121.572	W	7					19	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=1.1*10**22 (BRK). Felt (V) at Aramas, (IV) at Mass Landing and (III) at Santa Cruz. Also felt at Gilroy, Hollister, San Juan Bautista, Salinas, San Jose and Watsonville.
	31	20	11	02.0*	51.202	N	16.034	E	10	G			0.9	7	POLAND. ML 3.5 (VKA), 3.2 (KBA).

ADDITIONAL SOURCE PARAMETERS

01 13 00 06.33 5.579S 128.617E 343km
5.3mb (39 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 13:00: 8.4 0.4
Lat 5.59S 0.04 Lon 128.78E 0.06
Dep 330.2 2.0 Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.54 Plg=41 Azm=274
N -0.56 24 161
P -2.98 40 50
Best Double Couple:Mo=3.3*10**24
NP1:Strike= 72 Dip=24 Slip= 1
NP2: 341 90 114

01 15 56 03.36 51.767N 175.997W 33km
5.3mb (27 obs.) 4.5Msz (4 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 15:56: 9.3 0.6
Lat 51.85N 0.05 Lon 175.82W 0.08
Dep 58.9 3.1 Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.12 Plg=74 Azm=269
N 0.09 14 57
P -1.20 8 149
Best Double Couple:Mo=1.2*10**24
NP1:Strike=255 Dip=39 Slip= 112
NP2: 47 55 73

02 10 12 45.69 34.846N 28.314E 46km
5.4mb (59 obs.) 4.5Msz (3 obs.)
EASTERN MEDITERRANEAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 21C
Centroid Location:
Origin Time 10:12:46.5 1.2
Lat 34.65N 0.16 Lon 29.16E 0.22
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 9.13 Plg=13 Azm=344
N -0.36 21 249
P -8.77 65 103
Best Double Couple:Mo=8.9*10**23
NP1:Strike= 99 Dip=37 Slip= -53
NP2: 236 61 -114

02 13 57 54.99 20.253N 45.498W 10km
5.2mb (36 obs.) 5.1Msz (3 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 13:58:01.6 0.4
Lat 20.18N 0.06 Lon 45.56W 0.07
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.04 Plg= 6 Azm=274
N 0.00 6 184
P -1.03 81 49
Best Double Couple:Mo=1.0*10**24
NP1:Strike= 11 Dip=39 Slip= -80
NP2: 179 52 -98

02 20 15 32.95 2.892N 127.258E 46km
5.6mb (29 obs.) 4.9Msz (7 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 29C
Centroid Location:
Origin Time 20:15:35.9 0.3
Lat 2.99N 0.06 Lon 127.48E 0.05
Dep 18.0 3.3 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.91 Plg=73 Azm=187
N -0.19 9 68
P -1.73 15 335
Best Double Couple:Mo=1.8*10**24
NP1:Strike= 53 Dip=31 Slip= 73
NP2: 253 60 100

03 09 34 32.34 52.279S 13.506E 10km
5.3mb (6 obs.) 4.5Msz (3 obs.)
SOUTHWEST OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 11C
Centroid Location:
Origin Time 09:34:37.4 1.2
Lat 52.28S FIX;Lon 13.59E FIX
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.18 Plg=20 Azm=204
N 0.48 3 113
P -5.65 70 15
Best Double Couple:Mo=5.4*10**23
NP1:Strike=300 Dip=25 Slip= -83
NP2: 112 65 -93

04 02 00 08.07 2.982N 128.036E 106km
5.8mb (51 obs.)
HALMAHERA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=239 Dip=62 Slip=-100
NP2: 80 30 -72
Principal Axes:
T Plg=16 Azm=336
P 71 127
Comment: The focal mechanism is poorly cantrolled and corresponds to normal faulting with a small strike-slip componsnt. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 116 No. of sta: 7
Principal Axes:
Scale 10**25 d-cm
T Val= 1.20 Plg= 7 Azm= 19
N -0.16 21 287
P -1.03 68 126
Best Double Couple:Mo=1.1*10**25
NP1:Strike=131 Dip=43 Slip= -58
NP2: 271 55 -116
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 38C
Centroid Location:
Origin Time 02:00:12.3 0.2
Lat 3.09N 0.02 Lon 127.79E 0.03
Dep 128.3 1.2 Half-duration 3.3
Principal Axes:
Scale 10**24 D-CM
T Val= 7.92 Plg=18 Azm=355
N 1.22 13 261
P -9.14 68 138
Best Double Couple:Mo=8.5*10**24
NP1:Strike=105 Dip=29 Slip= -64
NP2: 255 64 -104

05 07 21 37.37 23.801S 112.034W 10km
5.2mb (12 obs.) 4.9Msz (5 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 07:21:43.7 0.5
Lat 24.11S 0.07 Lon 112.22W 0.06
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 1.83 Plg=27 Azm= 63
N 0.03 2 154
P -1.85 63 247
Best Double Couple:Mo=1.8*10**24
NP1:Strike=149 Dip=18 Slip= -96
NP2: 335 72 -88

05 13 15 45.54 23.716S 111.993W 10km
5.4mb (19 obs.) 5.1Msz (7 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 13:15:54.5 0.2
Lat 23.81S 0.04 Lon 112.09W 0.04
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.37 Plg=16 Azm= 61
N -0.32 9 153
P -2.05 72 271
Best Double Couple:Mo=2.2*10**24
NP1:Strike=138 Dip=30 Slip=-108
NP2: 338 61 -80

05 18 53 20.95 30.546S 28.737E 5km
4.9mb (27 obs.) 4.8Msz (3 obs.)
REPUBLIC OF SOUTH AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 25C
Centroid Location:
Origin Time 18:53:26.9 0.4
Lat 30.08S 0.07 Lon 29.23E 0.05
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.53 Plg= 8 Azm= 78
N -0.46 0 168
P -1.06 82 258
Best Double Couple:Mo=1.3*10**24
NP1:Strike=168 Dip=37 Slip= -90
NP2: 348 53 -90

05 21 57 20.58 43.493N 127.252W 10km
5.1mb (57 obs.) 5.1Msz (8 obs.)
OFF COAST OF OREGON
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 21:57:21.9 0.5
Lat 42.96N 0.08 Lon 127.39W 0.05
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.16 Plg= 0 Azm= 69
N -0.14 76 338
P -3.02 14 159
Best Double Couple:Mo=3.1*10**24
NP1:Strike=203 Dip=80 Slip= -10
NP2: 295 81 -170

06 04 21 46.76 51.863N 176.257W 43km
5.1mb (59 obs.) 4.2Msz (3 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 04:21:55.0 1.1
Lat 52.08N 0.09 Lon 175.92W 0.13
Dep 60.1 5.3 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.91 Plg=71 Azm=272
N 0.78 14 49
P -7.68 13 142
Best Double Couple:Mo=7.3*10**23
NP1:Strike=250 Dip=35 Slip= 115
NP2: 40 59 73

06 07 11 02.95 56.825S 26.624W 88km
5.4mb (15 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 07:11: 4.5 0.5
Lat 56.86S 0.04 Lon 25.82W 0.11
Dep 59.1 4.2 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 7.63 Plg=19 Azm= 44
N 3.37 6 136
P -11.00 70 242
Best Double Couple:Mo=9.3*10**23
NP1:Strike=125 Dip=26 Slip=-103
NP2: 319 65 -84

07 11 40 55.06 31.907N 137.676E 400km

5.1mb (69 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 11C
Centraid Lacatian:
Origin Time 11:40:57.8 0.4
Lat 31.85N 0.04 Lon 137.37E 0.10
Dep 395.6 2.7 Half-duratian 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.16 Plg=53 Azm= 86
N 0.16 5 183
P -1.32 37 276
Best Double Couple:Mo=1.2*10**24
NP1:Strike= 32 Dip= 9 Slip= 120
NP2: 182 82 85

07 14 03 44.57 16.599S 167.314E 10km
5.7mb (25 abs.) 5.2Msz (3 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centraid Lacatian:
Origin Time 14:03:51.4 0.4
Lat 16.71S 0.03 Lon 167.28E 0.03
Dep 30.0 3.3 Half-duratian 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 3.11 Plg=13 Azm=148
N -0.44 71 18
P -2.67 14 242
Best Double Couple:Mo=2.9*10**24
NP1:Strike=285 Dip=71 Slip= -1
NP2: 15 89 -161

08 00 09 22.47 80.312N 1.742W 10km
5.1mb (66 obs.) 4.7Msz (5 obs.)
NORTH OF SVALBARD
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Lacation:
Origin Time 00:09:28.1 0.5
Lat 80.30N 0.07 Lon 3.07W 0.22
Dep 15.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 9.61 Plg= 0 Azm=260
N -0.46 90 180
P -9.15 0 170
Best Double Couple:Mo=9.4*10**23
NP1:Strike=305 Dip=90 Slip= 180
NP2: 35 90 0

10 17 49 24.10 13.827N 89.118W 7km
5.0mb (46 obs.) 5.4Msz (9 obs.)
EL SALVADOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centraid Lacatian:
Origin Time 17:49:27.8 0.3
Lat 13.91N 0.05 Lan 89.40W 0.05
Dep 15.0 BDY Half-duratian 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 5.01 Plg= 8 Azm=228
N -0.66 79 9
P -4.35 7 137
Best Double Couple:Mo=4.7*10**24
NP1:Strike=272 Dip=79 Slip= 179
NP2: 2 89 11

10 20 18 36.34 42.132S 84.015W 10km
5.4mb (8 abs.) 4.5Msz (2 obs.)
WEST CHILE RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centraid Lacatian:
Origin Time 20:1B:36.3 0.7
Lat 42.19S 0.09 Lan 83.46W 0.08
Dep 15.0 FIX Half-duratian 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 8.05 Plg= 0 Azm=261
N -0.01 0 171
P -8.04 90 180
Best Double Couple:Mo=8.1*10**23
NP1:Strike=351 Dip=45 Slip= -90
NP2: 171 45 -90

10 21 03 55.37 20.183N 122.267E 127km
5.1mb (26 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 21:03:59.1 0.8
Lat 20.40N 0.07 Lan 121.69E 0.16
Dep 145.3 4.6 Half-duratian 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 9.97 Plg=34 Azm=358
N 0.73 23 251
P -10.70 47 134
Best Double Couple:Mo=1.0*10**24
NP1:Strike=143 Dip=24 Slip= -17
NP2: 248 83 -113

11 09 00 10.55 37.931N 28.574E 5km
5.5mb (58 abs.) 5.5Msz (8 abs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centraid Lacatian:
Origin Time 09:00:15.6 0.6
Lat 37.31N 0.07 Lon 28.71E 0.05
Dep 15.0 BDY Half-duratian 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.78 Plg= 1 Azm=197
N -0.27 41 106
P -3.51 49 288
Best Double Couple:Mo=3.6*10**24
NP1:Strike=320 Dip=57 Slip= -39
NP2: 74 58 -140

12 06 53 48.76 57.814S 25.575W 33km
5.0mb (4 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 06:53:56.6 1.5
Lat 57.72S 0.14 Lon 24.29W 0.22
Dep 37.3 7.4 Half-duratian 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 5.21 Plg=76 Azm= 53
N 1.65 6 171
P -6.86 12 263
Best Double Couple:Mo=6.0*10**23
NP1:Strike= 1 Dip=34 Slip= 102
NP2: 167 57 82

13 16 11 40.43 36.067N 70.848E 117km
5.4mb (73 obs.)
HINDU KUSH REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centraid Location:
Origin Time 16:11:44.3 0.4
Lat 35.99N 0.04 Lon 70.96E 0.05
Dep 126.1 2.1 Half-duratian 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.18 Plg=38 Azm= 46
N -0.08 31 288
P -2.11 36 171
Best Double Couple:Mo=2.1*10**24
NP1:Strike=200 Dip=31 Slip= 2
NP2: 108 89 121

13 21 17 50.93 37.102N 141.011E 65km
5.7mb (89 abs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 60 Dip=45 Slip= 65
NP2: 273 50 113
Principal Axes:
T Plg=72 Azm=249
P 3 347
Comment: The facal mechanism is moderately well cantralled and correspands ta reverse faulting with a moderate strike-slip campanent. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 56 No. of sta: 9
Principal Axes:
Scale 10**24 d-cm
T Val= 2.66 Plg=62 Azm=276
N 0.00 27 79
P -2.66 7 173
Best Double Couple:Mo=2.7*10**24
NP1:Strike=290 Dip=45 Slip= 130
NP2: 60 58 57
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 37C
Centroid Lacatian:
Origin Time 21:17:52.8 0.3
Lat 36.82N 0.03 Lon 141.43E 0.04
Dep 36.5 2.1 Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 2.84 Plg=68 Azm=278
N 0.27 5 21
P -3.11 22 113
Best Double Couple:Mo=3.0*10**24
NP1:Strike=213 Dip=24 Slip= 103
NP2: 19 67 84

14 12 16 20.86 37.019S 95.884W 10km
5.0mb (7 obs.) 4.6Msz (1 obs.)
SOUTHERN PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Lacatian:
Origin Time 12:16:24.0 0.6
Lat 36.96S 0.12 Lan 95.65W 0.12
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.10 Plg=16 Azm=238
N -0.93 4 329
P -4.16 74 73
Best Double Couple:Mo=4.6*10**23
NP1:Strike=322 Dip=30 Slip= -98
NP2: 151 61 -86

14 13 07 19.13 43.142S 41.776E 10km
5.4mb (11 obs.) 5.6Msz (5 obs.)
PRINCE EDWARD ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 50C
Centroid Location:
Origin Time 13:07:28.2 0.2
Lat 42.96S 0.02 Lon 41.96E 0.02
Dep 15.0 FIX Half-duration 4.5
Principal Axes:
Scale 10**25 D-CM
T Val= 1.96 Plg= 4 Azm=323
N 0.15 84 193
P -2.11 4 54
Best Double Couple:Mo=2.0*10**25
NP1:Strike= 99 Dip=84 Slip= 0
NP2: 189 90 -174

14 16 53 08.18 5.030S 153.616E 41km
6.2mb (53 abs.) 6.6Msz (24 obs.)
NEW IRELAND REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=342 Dip=49 Slip= 120
NP2: 121 49 60
Principal Axes:
T Plg=68 Azm=322
P 0 231
Comment: The facal mechanism is maderately well cantrolled and carresponds ta a reverse faulting with a maderate strike-slip component. The preferred fault plane is nat determined.
MOMENT TENSOR SOLUTION
Dep 58 Na. af sta: 10
Principal Axes:
Scale 10**26 d-cm
T Val= 1.72 Plg=81 Azm=153
N -0.15 8 315
P -1.56 3 45
Best Double Couple:Mo=1.6*10**26
NP1:Strike=144 Dip=43 Slip= 102
NP2: 308 48 79
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 52C M.W.: 13S, 36C
Centroid Lacatian:

Origin Time 16:53:19.9 0.1
Lat 5.22S 0.01 Lon 153.47E 0.01
Dep 54.0 0.6 Half-duration 9.0
Principal Axes:
Scale 10**26 D-CM

	Val=	Plg=	Azm=
T	1.54	82	282
N	0.01	6	142
P	-1.54	5	51

Best Double Couple:Mo=1.5*10**26
NP1:Strike=134 Dip=40 Slip= 80
NP2: 327 51 98

15 13 14 29.48 6.228S 146.848E 90km
5.4mb (20 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 11S, 26C
Centroid Lacation:
Origin Time 13:14:32.9 0.5
Lat 6.31S 0.07 Lan 146.75E 0.06
Dep 84.7 9.2 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	10.19	59	19
N	1.02	2	112
P	-11.21	31	203

Best Dauble Cauple:Ma=1.1*10**24
NP1:Strike=299 Dip=14 Slip= 98
NP2: 111 76 88

15 23 04 15.19 56.372S 25.640W 33km
5.5mb (8 obs.) 5.0Msz (2 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centraid Location:
Origin Time 23:04:15.8 0.5
Lat 56.93S 0.12 Lon 25.50W 0.19
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.76	54	154
N	0.14	8	53
P	-1.90	35	317

Best Double Couple:Mo=1.8*10**24
NP1:Strike= 13 Dip=13 Slip= 49
NP2: 234 80 98

16 19 54 10.42 27.727N 66.650E 43km
5.2mb (51 obs.) 4.5Msz (1 obs.)
PAKISTAN
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 9S, 12C
Centraid Location:
Origin Time 19:54:11.2 1.2
Lot 27.24N 0.19 Lan 66.45E 0.23
Dep 46.615.6 Half-durotion 1.4
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	4.77	40	216
N	-1.18	49	44
P	-3.59	4	309

Best Double Cauple:Mo=4.2*10**23
NP1:Strike= 1 Dip=60 Slip= 28
NP2: 255 66 146

17 07 32 51.30 5.272S 131.432E 67km
6.3mb (56 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=230 Dip=75 Slip= -25
NP2: 327 66 -164
Principal Axes:

	Plg=	Azm=
T	6	280
P	28	187

Comment: The facal mechanism is moderately well controlled and corresponds to strike-slip faulting with a maderate narmal campanent. The preferred fault plane is nat determined.
MOMENT TENSOR SOLUTION
Dep 61 Na. of sta: 5
Principal Axes:
Scale 10**25 d-cm

	Val=	Plg=	Azm=
T	4.18	5	84
N	-0.01	53	347
P	-4.17	37	178

Best Double Couple:Mo=4.2*10**25
NP1:Strike=214 Dip=61 Slip= -24
NP2: 317 69 -149
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 43C M.W.: 14S, 32C
Centroid Lacation:
Origin Time 07:32:53.1 0.2
Lat 5.30S 0.01 Lon 131.43E 0.01
Dep 59.6 1.1 Half-duration 6.1
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	4.70	11	279
N	0.04	51	23
P	-4.74	37	181

Best Double Couple:Mo=4.7*10**25
NP1:Strike=327 Dip=56 Slip=-160
NP2: 225 73 -36

17 20 21 18.95 16.286S 173.947W 109km
5.2mb (18 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Locotion:
Origin Time 20:21:24.3 1.1
Lat 16.47S 0.13 Lan 173.14W 0.10
Dep 129.8 4.5 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	6.70	39	237
N	0.37	28	353
P	-7.06	38	108

Best Double Couple:Mo=6.9*10**23
NP1:Strike=262 Dip=28 Slip= 179
NP2: 353 89 62

18 01 02 52.11 51.730N 175.285W 33km
5.4mb (79 obs.) 4.9Msz (9 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 38C
Centroid Location:
Origin Time 01:03: 0.8 0.4
Lat 52.34N 0.05 Lan 175.34W 0.05
Dep 48.2 2.7 Half-durotion 2.2
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.64	72	301
N	0.21	6	48
P	-2.86	17	140

Best Double Couple:Mo=2.8*10**24
NP1:Strike=239 Dip=28 Slip= 102
NP2: 46 62 84

18 09 46 44.01 12.133N 142.880E 52km
5.7mb (36 obs.) 4.9Msz (7 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 09:46:45.8 0.5
Lat 11.69N 0.07 Lan 142.93E 0.04
Dep 30.0 BDY Half-durotion 2.1
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.29	54	22
N	-0.18	31	168
P	-2.11	16	268

Best Double Couple:Mo=2.2*10**24
NP1:Strike= 35 Dip=40 Slip= 144
NP2: 154 68 56

18 22 09 31.72 5.631S 109.997E 643km
5.7mb (54 obs.)
JAVA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=315 Dip=47 Slip= 100
NP2: 121 44 79
Principal Axes:

	Plg=	Azm=
T	83	296
P	2	38

Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a small strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 620 No. of sta: 6
Principal Axes:
Scale 10**24 d-cm

	Val=	Plg=	Azm=
T	4.04	11	32
N	-0.09	15	125
P	-3.95	71	268

Best Double Couple:Mo=4.0*10**24
NP1:Strike=103 Dip=37 Slip=-116
NP2: 315 57 -72

19 18 30 57.21 63.887N 178.727W 10km
5.4mb (57 obs.) 4.9Msz (2 obs.)
BERING SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centroid Lacatian:
Origin Time 18:31: 3.9 0.4
Lat 64.06N 0.06 Lon 179.22W 0.10
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.65	18	198
N	-0.05	68	55
P	-1.60	12	293

Best Double Couple:Ma=1.6*10**24
NP1:Strike=336 Dip=68 Slip= 4
NP2: 245 86 158

20 05 35 40.73 4.832S 153.451E 78km
5.5mb (20 obs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 05:35:44.2 0.7
Lot 5.21S 0.07 Lon 153.39E 0.07
Dep 91.9 6.7 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.13	41	110
N	0.36	24	357
P	-1.49	40	245

Best Double Couple:Mo=1.3*10**24
NP1:Strike=269 Dip=24 Slip= 2
NP2: 177 89 114

20 06 46 09.98 28.117S 176.367W 29km
6.6mb (51 obs.) 8.1Msz (20 obs.)
KERMADEC ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=80 Slip= 45
NP2: 280 46 166
Principal Axes:

	Plg=	Azm=
T	38	251
P	22	143

Comment: The facal mechanism is poorly controlled and corresponds ta strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 41 Na. af sta: 11
Principal Axes:
Scale 10**27 d-cm

	Val=	Plg=	Azm=
T	2.31	52	258
N	-0.04	23	22
P	-2.27	28	125

Best Double Cauple:Mo=2.3*10**27
NP1:Strike=259 Dip=27 Slip= 150
NP2: 16 77 66
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 15S, 30C M.W.: 13S, 32C
Centroid Location:
Origin Time 06:46:22.7 0.2
Lot 27.93S 0.01 Lon 176.07W 0.01
Dep 50.4 1.0 Half-duratian 15.0
Principal Axes:
Scale 10**27 D-CM

	Val=	Plg=	Azm=
T	4.76	38	236
N	-0.48	50	36
P	-4.28	10	138

Best Double Couple:Mo=4.5*10**27
NP1:Strike=270 Dip=56 Slip= 158
NP2: 13 71 36

20 14 41 26.05 27.932S 176.134W 33km
5.6mb (21 obs.) 6.1Msz (7 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C

Centroid Location:
Origin Time 14:41:34.5 1.0
Lat 27.96S 0.10 Lon 176.29W 0.11
Dep 15.0 BDY Half-duration 3.5
Principal Axes:
Scale 10**25 D-CM
T Val= 1.44 Plg=61 Azm=267
N -0.05 6 8
P -1.38 28 101
Best Double Couple:Mo=1.4*10**25
NP1:Strike=207 Dip=18 Slip= 110
NP2: 6 73 84

20 18 16 04.11 27.972S 176.280W 33km
5.3mb (12 obs.) 5.6Msz (4 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 18:16:10.5 0.7
Lat 27.96S 0.06 Lon 176.50W 0.07
Dep 15.0 BDY Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 8.44 Plg=62 Azm=288
N 1.17 0 19
P -9.61 28 109
Best Double Couple:Mo=9.0*10**24
NP1:Strike=200 Dip=17 Slip= 91
NP2: 19 73 90

20 19 39 15.51 27.792S 176.624W 33km
5.5mb (16 obs.) 5.5Msz (3 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 13C
Centroid Location:
Origin Time 19:39:20.7 0.9
Lat 27.67S 0.10 Lon 176.68W 0.11
Dep 15.0 BDY Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 4.93 Plg=59 Azm=317
N 1.18 15 201
P -6.11 27 104
Best Double Couple:Mo=5.5*10**24
NP1:Strike=163 Dip=23 Slip= 49
NP2: 26 73 105

20 22 51 18.96 28.211S 176.276W 33km
5.3mb (8 obs.) 5.1Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 10C
Centroid Location:
Origin Time 22:51:24.8 1.3
Lat 28.04S 0.19 Lon 176.99W 0.16
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 3.20 Plg=54 Azm=274
N 0.12 10 18
P -3.31 34 115
Best Double Couple:Mo=3.3*10**24
NP1:Strike=241 Dip=15 Slip= 134
NP2: 16 80 80

21 00 43 41.31 27.789S 176.386W 33km
5.5mb (26 obs.) 5.5Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 00:43:43.0 0.4
Lat 27.68S 0.06 Lon 176.31W 0.05
Dep 19.5 6.4 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.78 Plg= 2 Azm=287
N 0.00 88 107
P -2.77 0 17
Best Double Couple:Mo=2.8*10**24
NP1:Strike= 62 Dip=88 Slip= 2
NP2: 332 88 178

21 05 51 59.96 27.919S 176.340W 46km
5.5mb (26 obs.) 5.2Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 11C
Centroid Location:
Origin Time 05:52: 5.1 1.1
Lat 27.80S 0.17 Lon 176.14W 0.09
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.41 Plg= 2 Azm=100
N -0.25 20 10
P -1.16 70 196
Best Double Couple:Mo=1.3*10**24
NP1:Strike=210 Dip=47 Slip= -62
NP2: 352 50 -117

21 06 50 50.88 27.262S 176.510W 33km
5.4mb (13 obs.) 5.6Msz (4 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 06:50:57.9 0.4
Lat 27.10S 0.04 Lon 176.70W 0.04
Dep 17.8 2.5 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 4.09 Plg=61 Azm=289
N 0.44 3 194
P -4.53 28 103
Best Double Couple:Mo=4.3*10**24
NP1:Strike=186 Dip=17 Slip= 81
NP2: 15 73 93

21 10 48 21.13 27.726S 176.572W 33km
5.2mb (7 obs.) 5.2Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 10:48:25.7 0.9
Lat 27.82S 0.09 Lon 176.63W 0.08
Dep 22.5 5.6 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 1.65 Plg=53 Azm=261
N 0.20 22 22
P -1.85 29 125
Best Double Couple:Mo=1.8*10**24
NP1:Strike=259 Dip=25 Slip= 149
NP2: 17 77 68

21 11 02 59.98 27.802S 176.467W 33km
5.7mb (34 obs.) 5.9Msz (10 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 11:03: 5.9 0.3
Lat 27.80S 0.03 Lon 176.42W 0.03
Dep 15.0 BDY Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM
T Val= 9.52 Plg=17 Azm=108
N -1.97 26 206
P -7.55 59 349
Best Double Couple:Mo=8.5*10**24
NP1:Strike=165 Dip=36 Slip=-137
NP2: 39 66 -61

21 12 29 44.09 27.644S 176.613W 33km
5.4mb (12 obs.) 5.6Msz (3 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C
Centroid Location:
Origin Time 12:29:49.3 0.3
Lat 27.49S 0.04 Lon 176.55W 0.04
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**24 D-CM
T Val= 7.00 Plg=60 Azm=291
N 0.69 2 197
P -7.69 30 106
Best Double Couple:Mo=7.4*10**24
NP1:Strike=191 Dip=16 Slip= 83
NP2: 18 75 92

21 21 09 36.26 13.326N 90.118W 45km
5.2mb (47 obs.) 5.1Msz (6 obs.)
NEAR COAST OF GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 21:09:37.8 0.5
Lat 13.10N 0.12 Lon 90.41W 0.11
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 3.43 Plg=48 Azm= 58
N -0.01 8 319
P -3.42 41 222
Best Double Couple:Mo=3.4*10**24
NP1:Strike=251 Dip= 9 Slip= 22
NP2: 140 87 98

22 02 38 44.15 28.092S 176.291W 33km
5.3mb (11 obs.) 5.2Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 02:38:49.1 0.7
Lat 27.86S 0.08 Lon 176.51W 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 12.17 Plg=65 Azm=281
N 0.16 3 18
P -12.33 25 110
Best Double Couple:Mo=1.2*10**24
NP1:Strike=207 Dip=20 Slip= 100
NP2: 17 70 87

22 08 59 28.85 10.569S 166.040E 165km
5.9mb (57 obs.)
SANTA CRUZ ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=174 Dip=71 Slip= 100
NP2: 326 21 63
Principal Axes:
T Plg=63 Azm=100
P 25 256
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a small strike-slip component. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 186 No. of sta: 11
Principal Axes:
Scale 10**25 d-cm
T Val= 1.36 Plg=69 Azm=101
N -0.05 5 357
P -1.31 21 266
Best Double Couple:Mo=1.3*10**25
NP1:Strike=346 Dip=25 Slip= 78
NP2: 180 66 96
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 08:59:36.2 0.2
Lat 10.72S 0.02 Lon 165.99E 0.02
Dep 182.6 0.8 Half-duration 3.7
Principal Axes:
Scale 10**24 D-CM
T Val= 11.35 Plg=65 Azm=109
N -1.29 8 1
P -10.07 23 268
Best Double Couple:Mo=1.1*10**25
NP1:Strike=341 Dip=23 Slip= 68
NP2: 185 69 99

22 19 40 48.58 28.324S 176.309W 33km
5.4mb (7 obs.) 5.5Msz (2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 20C
Centroid Location:
Origin Time 19:40:52.1 0.4
Lat 28.09S 0.05 Lon 176.38W 0.05
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.35 Plg=60 Azm=285
N 0.23 2 19
P -2.58 29 110
Best Double Couple:Mo=2.5*10**24

NP1:Strike=207 Dip=16 Slip= 99
NP2: 19 74 88

22 22 20 26.76 27.438S 176.571W 33km
5.3mb (14 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 22:20:33.7 0.5
Lat 26.94S 0.06 Lon 176.60W 0.06
Dep 23.9 3.5 Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.03 Plg=72 Azm=245
N 0.51 9 5
P -1.54 15 97
Best Double Couple:Mo=1.3*10**24
NP1:Strike=201 Dip=31 Slip= 108
NP2: 0 61 80

23 02 18 51.88 15.570S 167.561E 160km
5.7mb (42 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=223 Dip=81 Slip= 135
NP2: 322 46 13
Principal Axes:
T Plg=37 Azm=172
P 23 280
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 162 No. of sta: 6
Principal Axes:
Scale 10**25 d-cm
T Val= 2.31 Plg=30 Azm=173
N -0.01 56 24
P -2.29 15 272
Best Double Couple:Mo=2.3*10**25
NP1:Strike=316 Dip=58 Slip= 12
NP2: 220 80 147
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 41C
Centroid Location:
Origin Time 02:19: 0.4 0.3
Lat 15.71S 0.03 Lon 167.52E 0.02
Dep 171.0 1.1 Half-duration 6.0
Principal Axes:
Scale 10**25 D-CM
T Val= 2.98 Plg=24 Azm=171
N -0.70 59 34
P -2.28 19 270
Best Double Couple:Mo=2.6*10**25
NP1:Strike=312 Dip=59 Slip= 4
NP2: 220 87 149

23 03 54 20.87 6.097S 146.306E 127km
5.8mb (47 obs.)
EAST PAPUA NEW GUINEA REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 77 Dip=80 Slip=-140
NP2: 339 51 -13
Principal Axes:
T Plg=19 Azm=202
P 35 306
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 114 No. of sta: 7
Principal Axes:
Scale 10**25 d-cm
T Val= 1.03 Plg=22 Azm=213
N 0.18 51 94
P -1.21 31 317
Best Double Couple:Mo=1.1*10**25
NP1:Strike=352 Dip=51 Slip= -7
NP2: 87 84 -141
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 03:54:27.1 0.2
Lat 6.21S 0.02 Lon 146.11E 0.03
Dep 117.7 1.8 Half-duration 3.8
Principal Axes:
Scale 10**24 D-CM
T Val= 11.61 Plg=21 Azm=209
N 0.18 49 92
P -11.79 33 314
Best Double Couple:Mo=1.2*10**25
NP1:Strike=348 Dip=50 Slip= -9
NP2: 84 83 -140

23 15 48 43.75 11.037S 165.204E 19km
5.4mb (17 obs.) 6.5Msz (20 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 37C M.W.: 10S, 27C
Centroid Location:
Origin Time 15:49: 1.7 0.1
Lat 11.24S 0.01 Lon 165.13E 0.01
Dep 15.0 FIX Half-duration 8.2
Principal Axes:
Scale 10**25 D-CM
T Val= 14.36 Plg=60 Azm= 51
N -0.16 2 144
P -14.19 30 236
Best Double Couple:Mo=1.4*10**26
NP1:Strike=332 Dip=15 Slip= 97
NP2: 144 75 88

23 16 23 49.28 11.086S 165.537E 24km
5.5mb (17 obs.) 6.4Msz (12 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 16:23:57.9 0.3
Lat 11.34S 0.05 Lon 165.29E 0.05
Dep 15.0 FIX Half-duration 6.1
Principal Axes:
Scale 10**25 D-CM
T Val= 5.89 Plg=57 Azm= 48
N -0.17 5 146
P -5.72 32 239
Best Double Couple:Mo=5.8*10**25
NP1:Strike=348 Dip=14 Slip= 112
NP2: 145 77 85

23 18 44 57.41 11.116S 165.179E 38km
5.7mb (23 obs.) 5.5Msz (6 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 18:45: 0.6 0.6
Lat 11.40S 0.09 Lon 165.37E 0.08
Dep 15.0 BDY Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 5.90 Plg=25 Azm= 82
N -0.06 20 342
P -5.84 57 218
Best Double Couple:Mo=5.9*10**24
NP1:Strike=208 Dip=27 Slip= -41
NP2: 336 73 -111

24 02 42 51.60 25.319S 70.176W 51km
5.6mb (28 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centroid Location:
Origin Time 02:42:55.9 0.7
Lat 25.41S FIX;Lon 70.15W FIX
Dep 50.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.24 Plg=39 Azm=215
N 0.04 32 336
P -2.28 34 91
Best Double Couple:Mo=2.3*10**24
NP1:Strike=239 Dip=32 Slip= 174
NP2: 334 87 58

24 02 58 47.01 5.629S 153.875E 52km
5.7mb (21 obs.) 6.3Msz (17 obs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 37C
Centroid Location:
Origin Time 02:58:52.4 0.2
Lat 5.95S 0.02 Lon 153.77E 0.02
Dep 39.9 1.9 Half-duration 5.5
Principal Axes:
Scale 10**25 D-CM
T Val= 3.76 Plg=74 Azm=354
N 0.19 12 132
P -3.95 10 224
Best Double Couple:Mo=3.9*10**25
NP1:Strike=329 Dip=36 Slip= 110
NP2: 124 56 76

24 05 27 36.52 10.991S 164.987E 47km
5.6mb (30 obs.) 6.0Msz (7 obs.)
SANTA CRUZ ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 05:27:40.9 0.3
Lat 11.40S 0.04 Lon 165.01E 0.04
Dep 15.0 BDY Half-duration 3.9
Principal Axes:
Scale 10**24 D-CM
T Val= 12.41 Plg=23 Azm= 78
N -1.37 21 339
P -11.03 58 212
Best Double Couple:Mo=1.2*10**25
NP1:Strike=203 Dip=28 Slip= -42
NP2: 331 71 -112

24 05 53 17.80 10.884S 165.215E 33km
5.6mb (20 obs.) 5.9Msz (10 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 37C
Centroid Location:
Origin Time 05:53:24.3 0.3
Lat 11.12S 0.04 Lon 165.13E 0.04
Dep 15.0 FIX Half-duration 4.9
Principal Axes:
Scale 10**25 D-CM
T Val= 2.84 Plg=59 Azm= 50
N 0.03 6 151
P -2.87 30 244
Best Double Couple:Mo=2.9*10**25
NP1:Strike=354 Dip=16 Slip= 114
NP2: 149 76 83

24 11 00 47.22 51.402N 176.859W 33km
5.2mb (27 obs.) 4.3Msz (1 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 13C
Centroid Location:
Origin Time 11:00:50.3 1.0
Lat 51.31N 0.12 Lon 176.75W 0.17
Dep 52.2 7.8 Half-duration 3.1
Principal Axes:
Scale 10**23 D-CM
T Val= 7.57 Plg=65 Azm=311
N -0.83 19 88
P -6.74 16 184
Best Double Couple:Mo=7.1*10**23
NP1:Strike=299 Dip=33 Slip= 126
NP2: 78 63 69

24 22 35 35.65 27.591S 176.121W 44km
5.2mb (14 obs.) 4.6Msz (1 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 22:35:36.0 1.2
Lat 27.43S 0.15 Lon 175.84W 0.13
Dep 49.610.9 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 5.00 Plg=29 Azm=258
N 0.44 0 167
P -5.44 61 77
Best Double Couple:Mo=5.2*10**23
NP1:Strike=349 Dip=16 Slip= -89
NP2: 167 74 -90

25 04 35 53.13 5.655S 154.050E 48km
5.3mb (13 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 04:35:58.6 0.4
Lat 6.05S 0.06 Lon 153.96E 0.06
Dep 63.1 5.0 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 9.58 Plg=84 Azm= 76
N 1.70 2 327
P -11.27 5 237
Best Double Couple:Mo=1.0*10**24
NP1:Strike=325 Dip=40 Slip= 87
NP2: 149 50 92

25 20 47 01.80 17.663S 168.135E 31km
5.8mb (48 obs.) 5.9Msz (19 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=155 Dip=47 Slip= 90
NP2: 335 43 90
Principal Axes:
T Plg=88 Azm= 65
P 2 245
Comment: The focal mechanism is poorly centralled and carresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 41 No. af sta: 12
Principal Axes:
Scale 10**25 d-cm
T Val= 3.69 Plg=73 Azm=130
N 0.25 12 355
P -3.94 12 263
Best Double Couple:Ma=3.8*10**25
NP1:Strike=338 Dip=35 Slip= 69
NP2: 183 58 104
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 38C
Centroid Location:
Origin Time 20:47: 8.9 0.2
Lat 17.73S 0.03 Lon 167.88E 0.02
Dep 45.4 1.6 Half-durotion 4.6
Principal Axes:
Scale 10**25 D-CM
T Val= 1.86 Plg=83 Azm=346
N 0.39 7 171
P -2.25 1 81
Best Double Couple:Mo=2.1*10**25
NP1:Strike=164 Dip=45 Slip= 80
NP2: 357 46 100

26 00 59 23.01 5.680S 154.051E 49km
5.6mb (20 obs.) 4.7Msz (1 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 25C
Centroid Locatian:
Origin Time 00:59:27.9 0.3
Lat 5.95S 0.04 Lon 153.94E 0.04
Dep 57.1 3.5 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.32 Plg=82 Azm=348
N 0.24 7 142
P -2.56 4 232
Best Double Couple:Ma=2.4*10**24
NP1:Strike=330 Dip=42 Slip= 101
NP2: 135 49 80

26 02 59 34.08 27.719S 176.154W 44km
5.3mb (16 obs.) 5.3Msz (4 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centraid Location:
Origin Time 02:59:37.2 0.6
Lat 27.52S 0.08 Lon 176.21W 0.06
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.66 Plg= 9 Azm= 95
N -0.14 4 186
P -1.52 80 302
Best Double Couple:Ma=1.6*10**24
NP1:Strike=180 Dip=37 Slip= -97
NP2: 9 54 -85

26 04 43 27.49 53.758N 170.049W 214km
5.4mb (86 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centraid Locatian:
Origin Time 04:43:29.2 0.3
Lat 53.80N 0.05 Lan 170.36W 0.05
Dep 207.4 1.9 Half-durotion 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 3.60 Plg=22 Azm= 43
N 0.32 43 291
P -3.92 39 152
Best Double Couple:Mo=3.8*10**24
NP1:Strike=180 Dip=45 Slip= -15
NP2: 281 79 -134

27 00 09 31.91 46.009N 27.624W 10km
5.3mb (51 obs.) 5.2Msz (11 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centraid Locatian:
Origin Time 00:09:34.4 0.3
Lat 46.06N 0.07 Lan 27.27W 0.07
Dep 15.0 FIX Half-duratian 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.32 Plg=16 Azm=278
N -0.02 5 9
P -1.30 73 115
Best Double Couple:Mo=1.3*10**24
NP1:Strike= 0 Dip=29 Slip=-100
NP2: 192 61 -85

27 05 50 46.03 4.284S 152.964E 63km
5.0mb (6 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 05:50:48.7 1.0
Lat 4.55S 0.12 Lon 152.93E 0.13
Dep 52.412.9 Half-durotion 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 3.57 Plg=54 Azm=346
N 0.48 36 155
P -4.06 5 249
Best Double Couple:Ma=3.8*10**23
NP1:Strike= 11 Dip=51 Slip= 139
NP2: 130 59 47

27 14 11 58.32 7.517N 36.658W 10km
5.3mb (57 obs.) 4.9Msz (7 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centroid Locatian:
Origin Time 14:12: 0.7 0.4
Lat 7.26N 0.06 Lan 36.20W 0.05
Dep 15.0 FIX Half-duratian 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.61 Plg=13 Azm=251
N -0.31 12 158
P -1.30 72 26
Best Double Couple:Ma=1.5*10**24
NP1:Strike=356 Dip=34 Slip= -68
NP2: 151 59 -104

28 15 11 23.30 30.481S 60.182E 10km
5.6mb (40 obs.) 5.5Msz (10 obs.)
ATLANTIC-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C
Centraid Location:
Origin Time 15:11:28.9 0.3
Lat 30.56S 0.04 Lan 60.11E 0.04
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 7.38 Plg=15 Azm=346
N -0.01 11 253
P -7.37 71 129
Best Double Couple:Mo=7.4*10**24
NP1:Strike= 91 Dip=32 Slip= -69
NP2: 247 61 -102

28 17 18 17.95 30.497S 60.061E 10km
5.4mb (39 obs.) 5.1Msz (3 obs.)
ATLANTIC-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centraid Locatian:
Origin Time 17:18:23.8 0.5
Lat 30.59S 0.07 Lan 60.15E 0.07
Dep 15.0 FIX Half-durotian 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.15 Plg=20 Azm=345
N -0.01 5 253
P -2.14 70 151
Best Double Couple:Mo=2.1*10**24
NP1:Strike= 83 Dip=25 Slip= -79
NP2: 251 65 -95

29 02 15 17.88 47.175N 154.097E 33km
5.4mb (60 obs.) 4.4Msz (2 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Locatian:
Origin Time 02:15:19.6 1.4
Lat 47.17N 0.13 Lan 154.60E 0.24
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 4.56 Plg=83 Azm=329
N 0.42 3 211
P -4.98 6 121
Best Double Couple:Mo=4.8*10**23
NP1:Strike=207 Dip=39 Slip= 85
NP2: 33 51 94

29 15 28 56.74 9.271N 126.784E 33km
5.3mb (24 obs.) 5.2Msz (2 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 22C
Centraid Locatian:
Origin Time 15:29: 1.0 0.4
Lat 8.90N 0.05 Lan 127.48E 0.06
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 3.03 Plg=70 Azm=335
N 0.01 18 181
P -3.04 8 89
Best Double Couple:Ma=3.0*10**24
NP1:Strike=158 Dip=40 Slip= 61
NP2: 14 56 112

29 20 11 39.73 5.722N 125.331E 72km
5.4mb (31 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Locatian:
Origin Time 20:11:40.6 0.4
Lat 5.61N 0.05 Lan 125.41E 0.04
Dep 49.1 3.9 Half-duratian 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.36 Plg=54 Azm=339
N -0.13 31 193
P -3.23 16 93
Best Double Couple:Mo=3.3*10**24
NP1:Strike=146 Dip=40 Slip= 36
NP2: 27 68 124

30 01 28 54.59 21.702S 176.616W 188km
6.4mb (51 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 18 Dip=84 Slip= -90
NP2: 198 6 -90
Principal Axes:
T Plg=39 Azm=108
P 51 288
Comment: The facal mechanism is paarly cantralled and correspands ta narmal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION

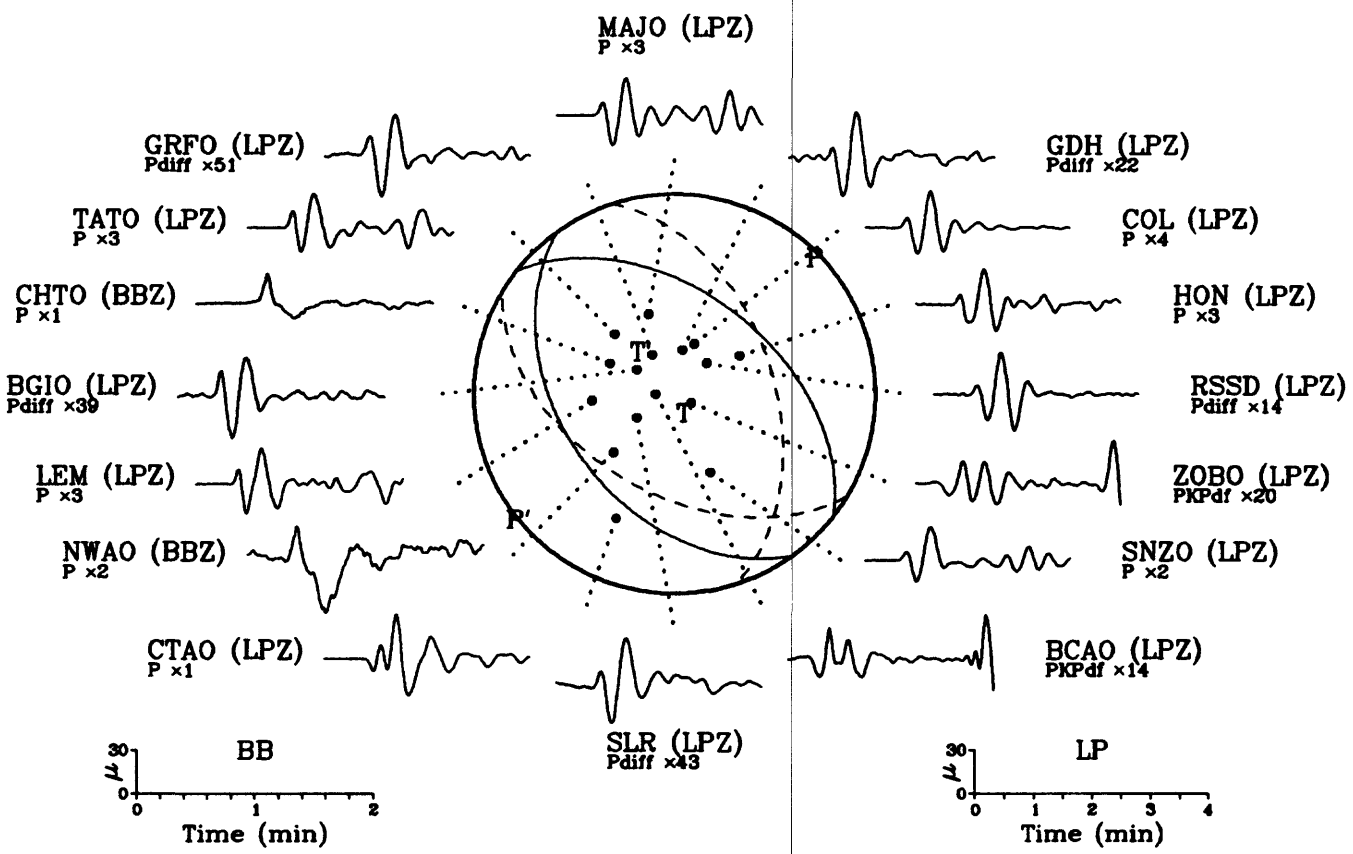
Dep 203 No. of sto: 11
Principal Axes:
Scale 10**26 d-cm
T Val= 6.78 Plg=37 Azm= 94
N -0.94 6 189
P -5.84 52 287
Best Double Couple:Mo=6.3*10**26
NP1:Strike=150 Dip=10 Slip=-129
NP2: 10 83 -84
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 47C M.W.: 13S, 33C
Centroid Location:
Origin Time 01:29: 5.1 0.1
Lat 21.68S 0.01 Lon 176.45W 0.01
Dep 196.3 0.6 Half-duration 7.0
Principal Axes:
Scale 10**26 D-CM
T Val= 6.68 Plg=40 Azm=111
N -0.47 1 20
P -6.21 50 288
Best Double Couple:Mo=6.4*10**26
NP1:Strike=215 Dip= 5 Slip= -75
NP2: 20 85 -91
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 18 Dip=84 Slip= -90
NP2: 198 6 -90

Principal Axes:
T Plg=39 Azm=108
P 51 288
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 203 No. of sta: 11
Principal Axes:
Scale 10**26 d-cm
T Val= 6.78 Plg=37 Azm= 94
N -0.94 6 189
P -5.84 52 287
Best Double Couple:Mo=6.3*10**26
NP1:Strike=150 Dip=10 Slip=-129
NP2: 10 83 -84
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 47C M.W.: 13S, 33C
Centroid Location:
Origin Time 01:29: 5.1 0.1
Lat 21.68S 0.01 Lon 176.45W 0.01
Dep 196.3 0.6 Half-duration 7.0
Principal Axes:
Scale 10**26 D-CM
T Val= 6.68 Plg=40 Azm=111
N -0.47 1 20
P -6.21 50 288
Best Double Couple:Mo=6.4*10**26
NP1:Strike=215 Dip= 5 Slip= -75
NP2: 20 85 -91

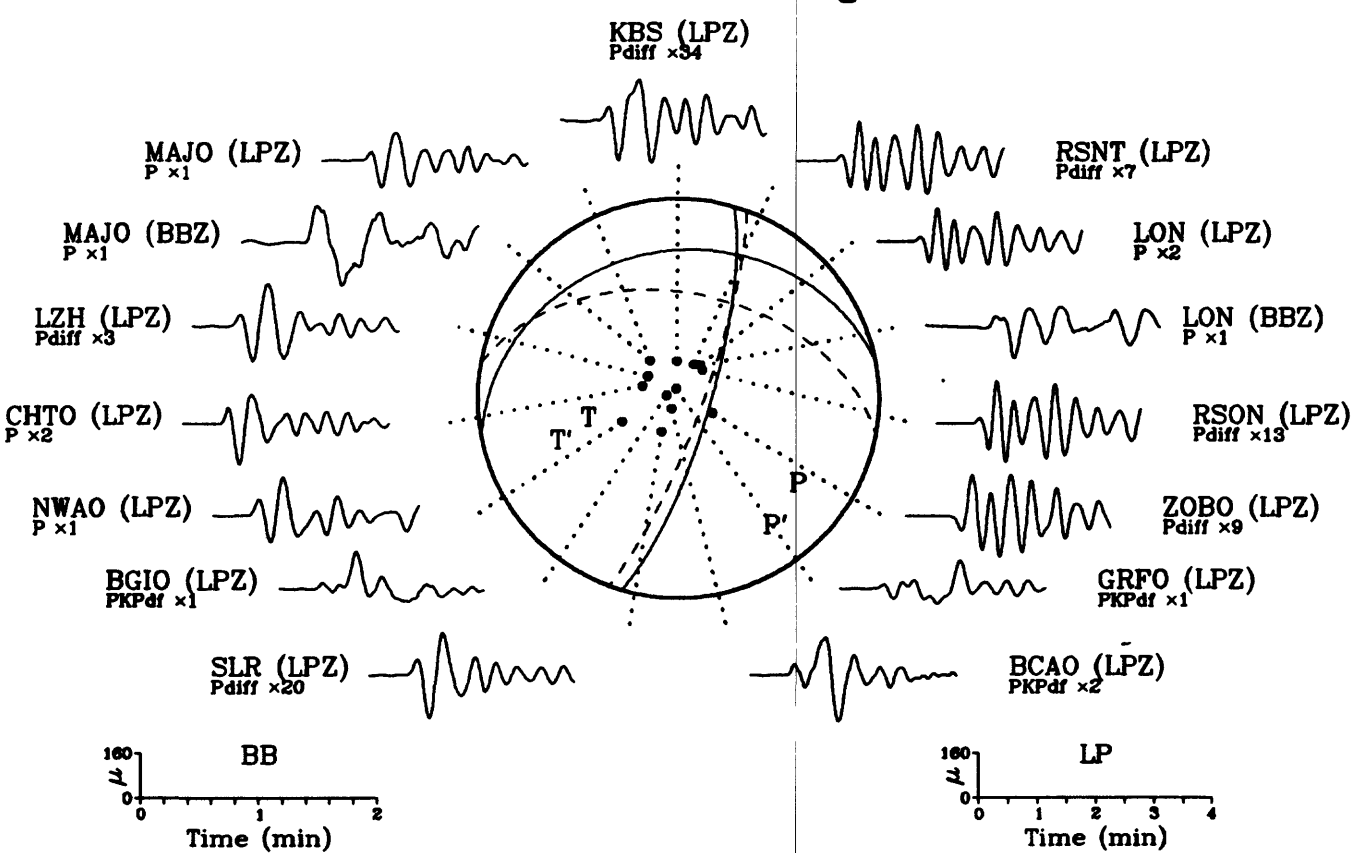
31 07 05 52.77 6.765N 73.021W 166km
5.2mb (46 obs.)
NORTHERN COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 10C
Centroid Location:
Origin Time 07:05:57.8 1.0
Lat 7.21N 0.09 Lon 73.13W 0.15
Dep 153.2 3.4 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.85 Plg=32 Azm= 97
N 1.90 32 210
P -8.74 41 334
Best Double Couple:Mo=7.8*10**23
NP1:Strike=131 Dip=33 Slip=-171
NP2: 33 85 -58

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

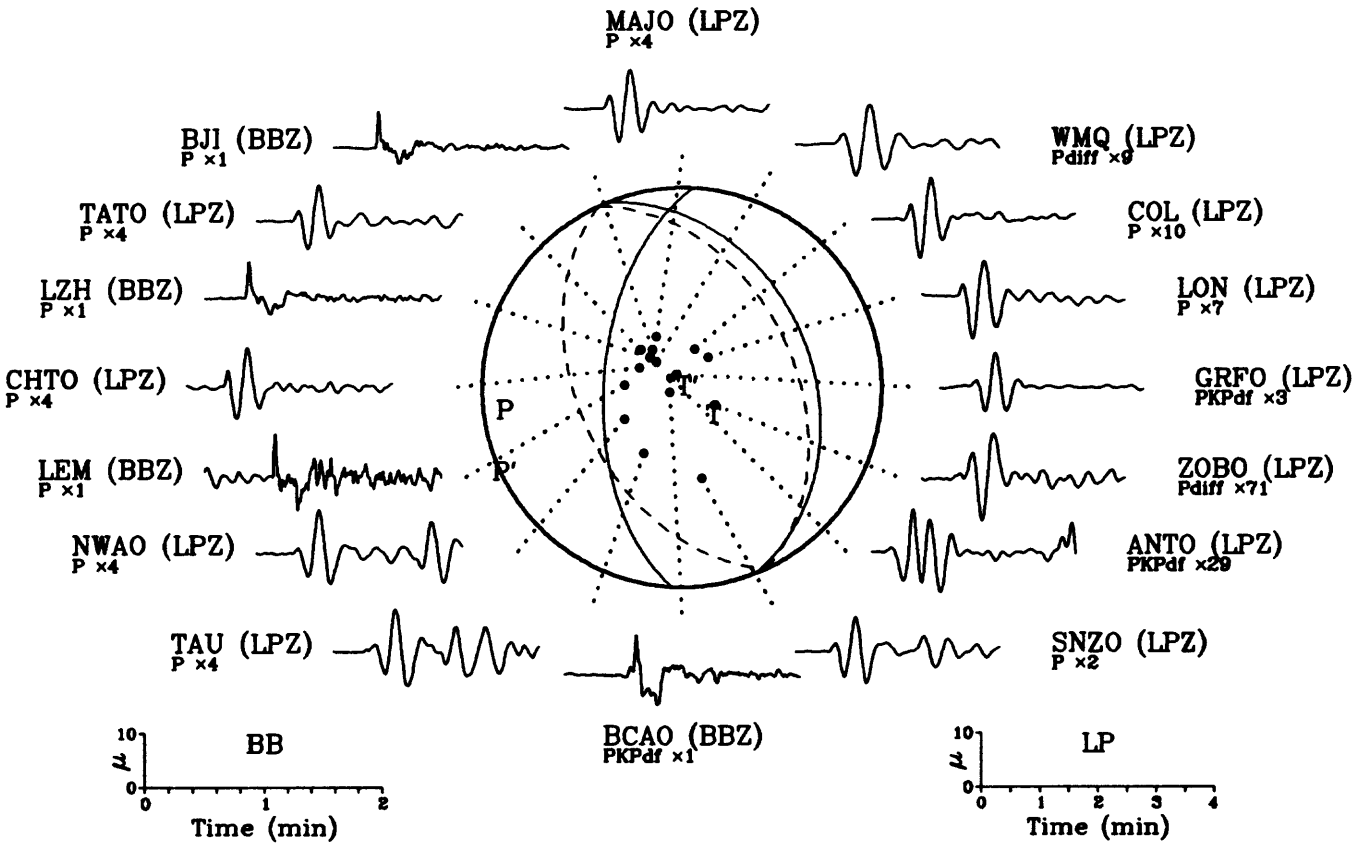
14 October 1986 16:53:08.18
New Ireland Region



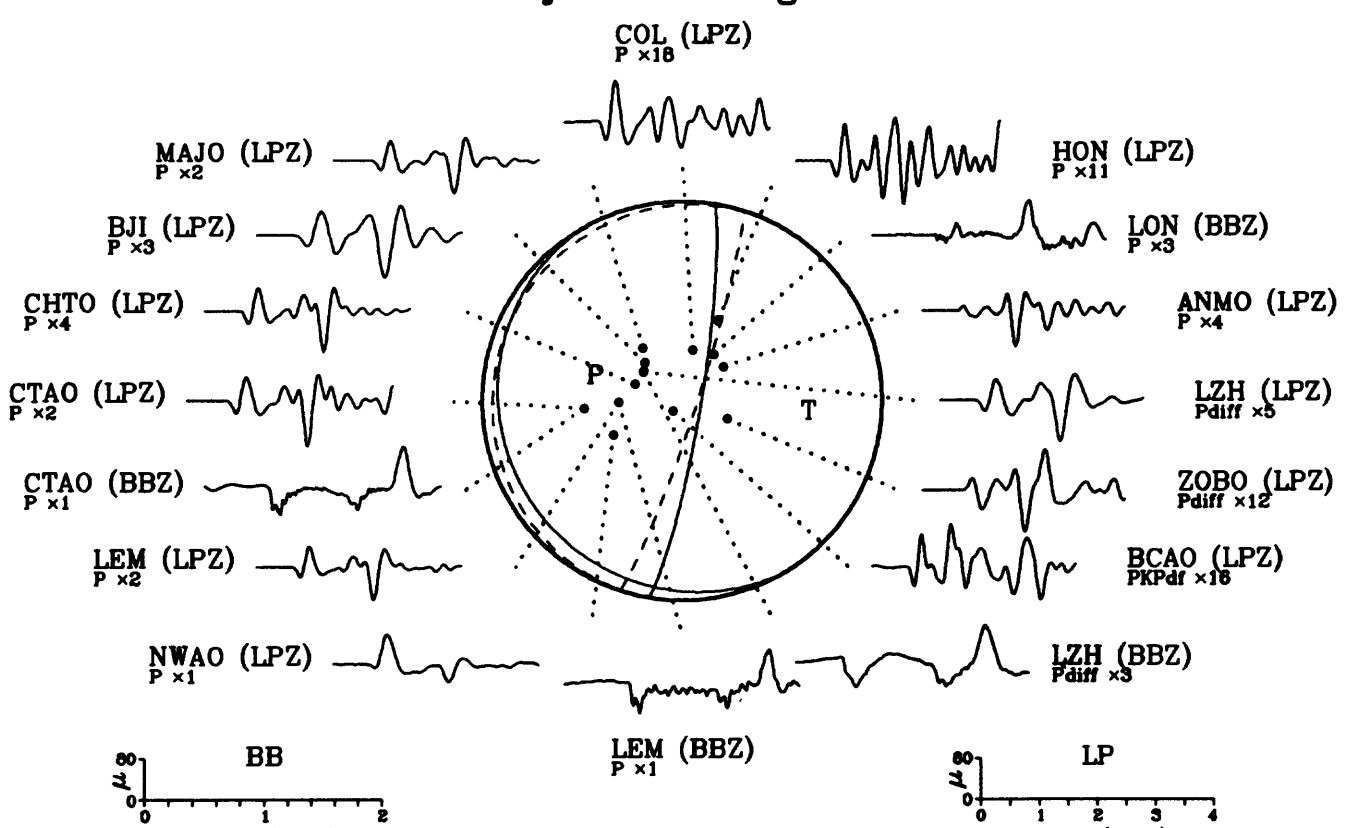
20 October 1986 06:46:09.98
Kermadec Islands Region



25 October 1986 20:47:01.80
Vanuatu Islands

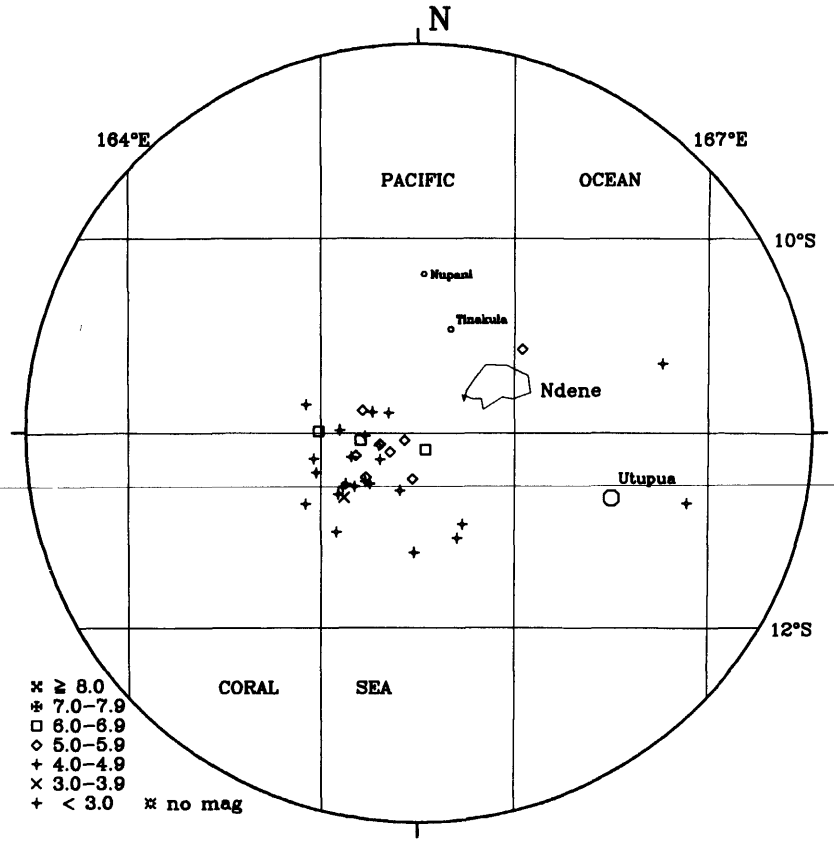


30 October 1986 01:28:54.59
Fiji Islands Region

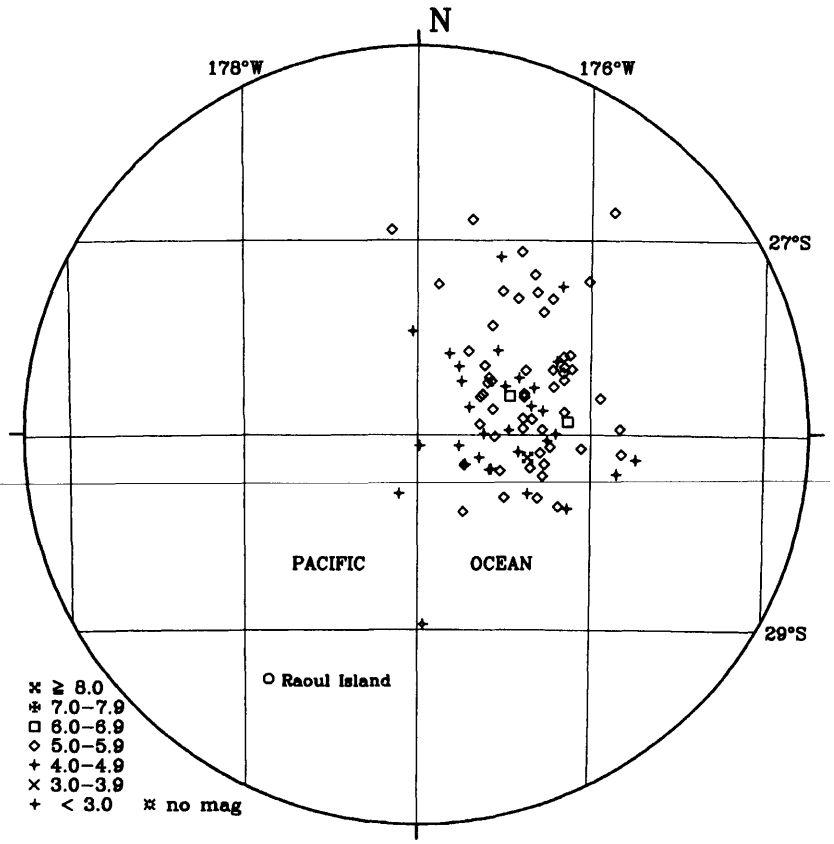


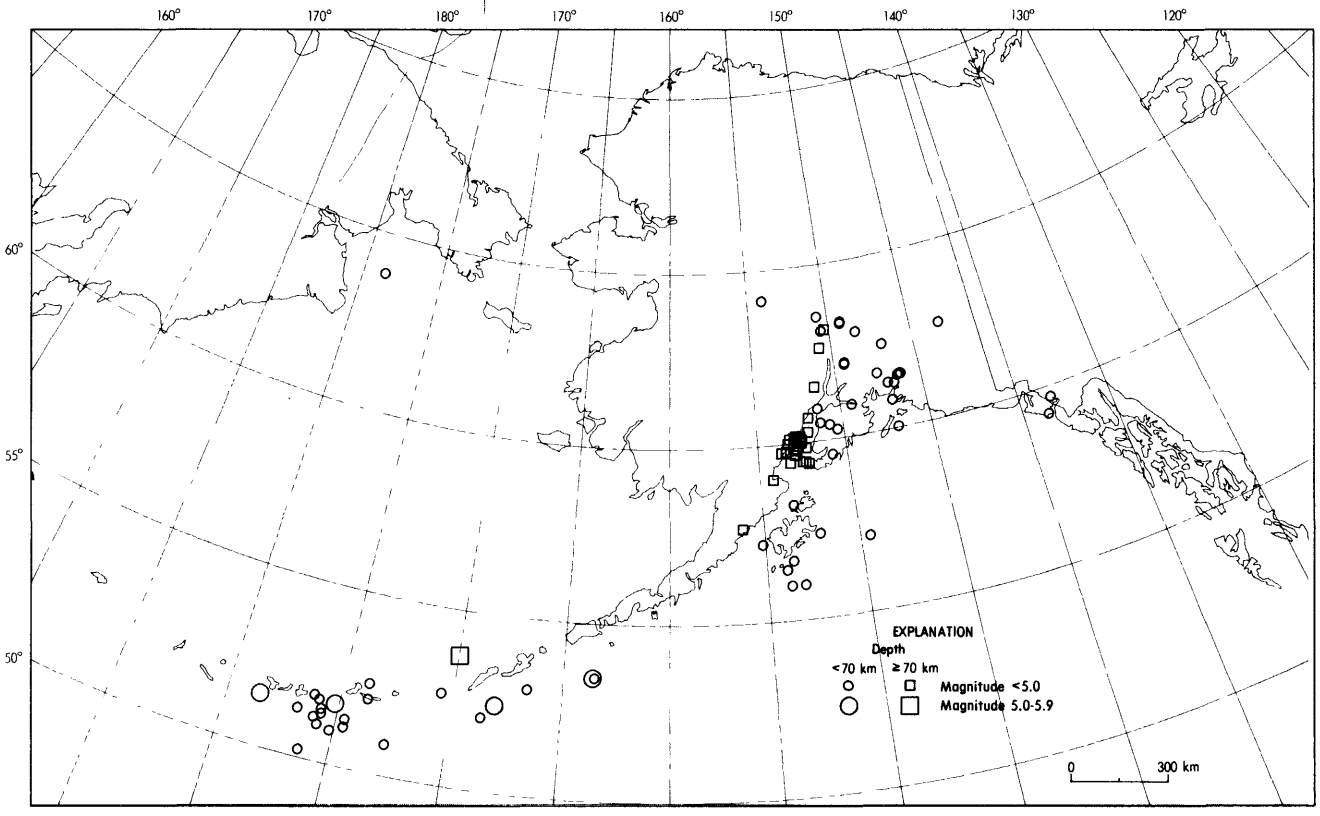
GPO 853-295

Earthquake Epicenters in the Santa Cruz Islands
October, 1986

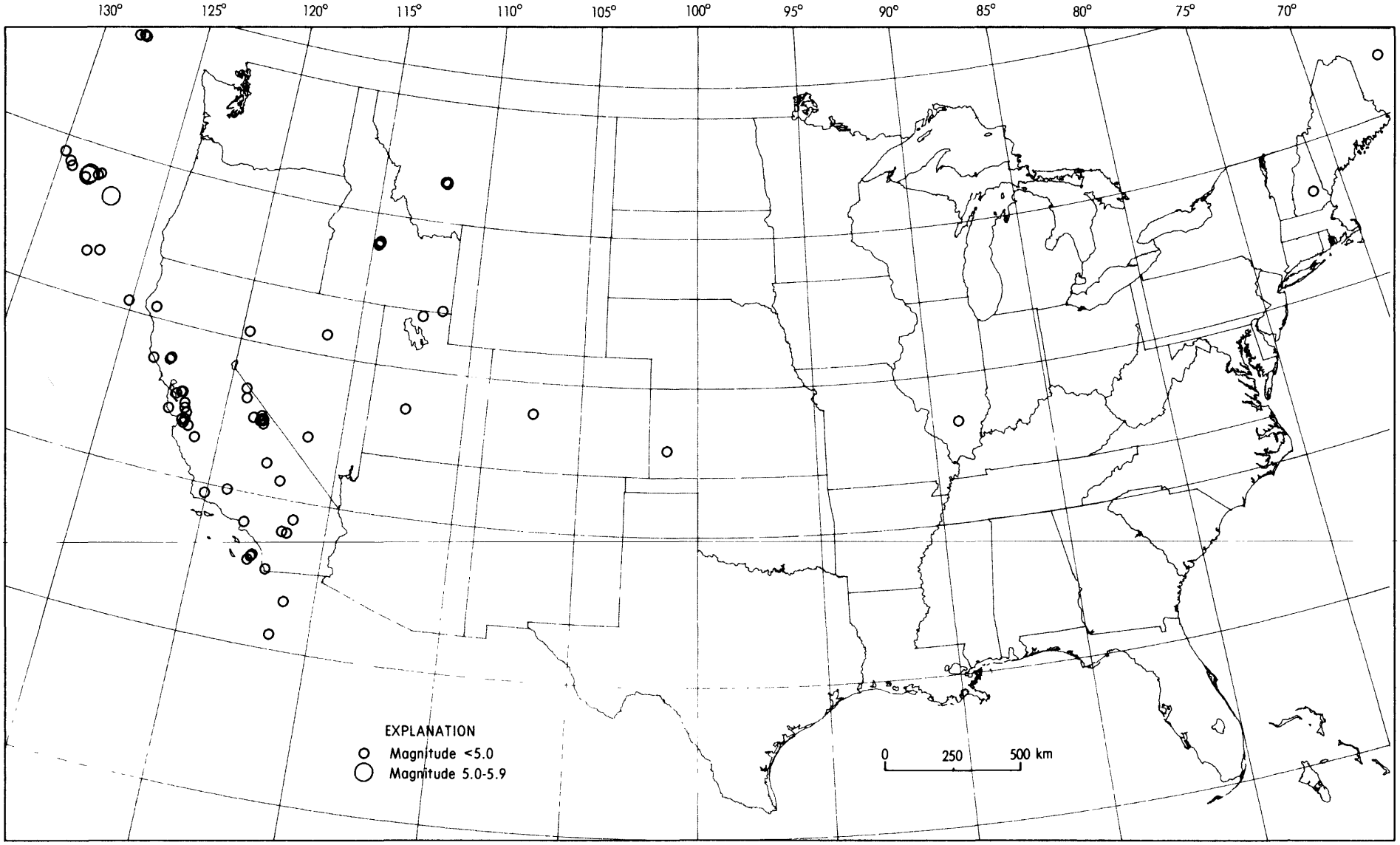


Earthquake Epicenters in the Kermadec Islands
October, 1986

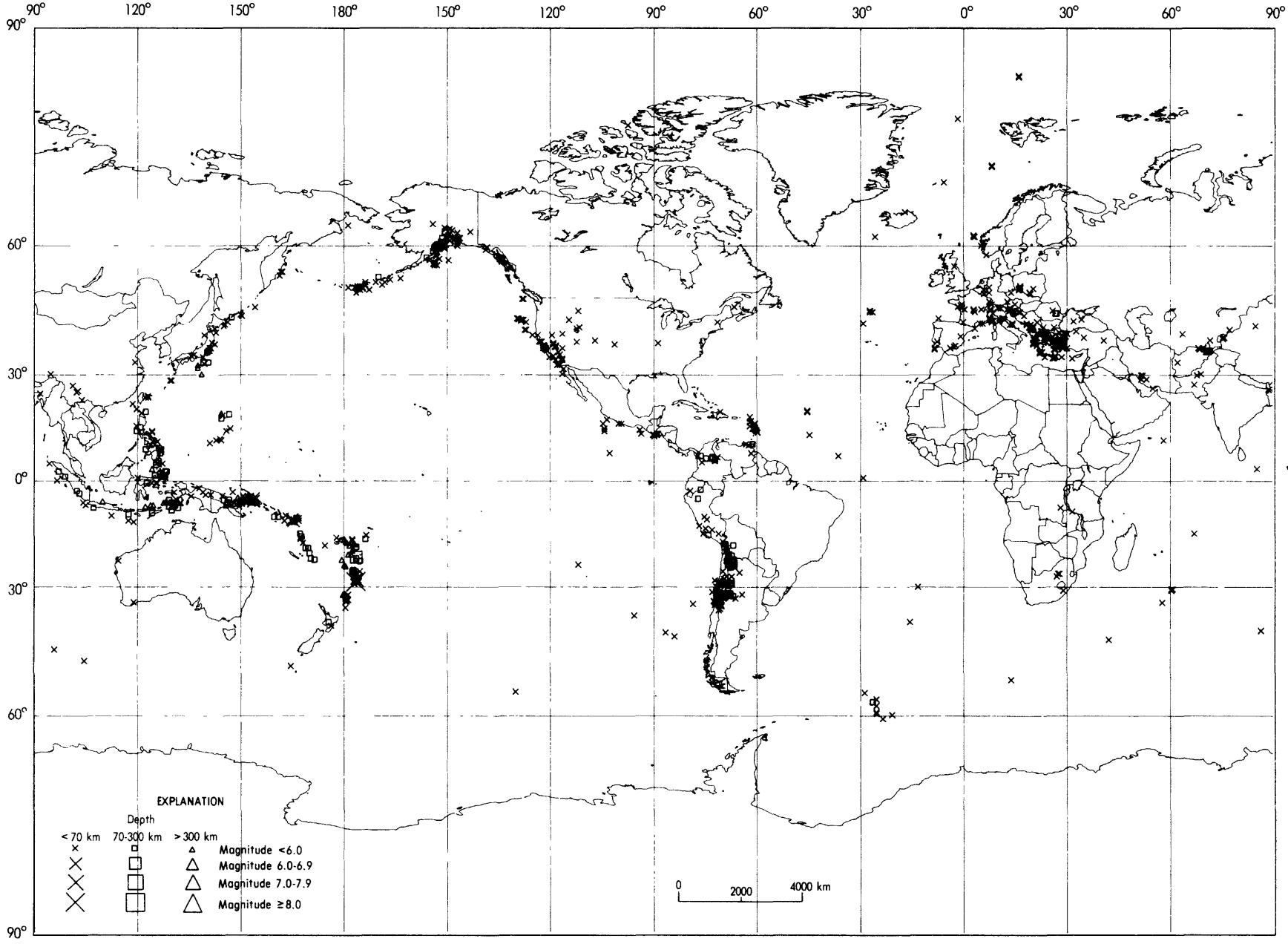




Earthquake epicenters in Alaska and adjacent regions for October, 1986 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for October, 1986 (C. Stover).



Earthquakes located in October, 1986 (C. Stover).

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PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

N O V E M B E R 1 9 8 6

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	38	38.3	40.519	N	27.526	E	10	G			1.0	13	TURKEY
	01	01	05	19.4%	45.428	N	6.810	E	10	G			0.3	6	FRANCE. ML 2.7 (LDG).
	01	01	12	34.1	46.379	N	6.723	E	10	G			1.5	15	SWITZERLAND. ML 2.6 (LDG).
	01	01	12	37.8•	1.582	S	77.429	W	222	•	4.4		1.1	13	ECUADOR
	01	01	16	27.8?	27.68	S	67.99	W	33	N			0.4	5	CATAMARCA PROVINCE, ARGENTINA
	01	02	02	13.4?	44.83	N	7.59	E	10	G			0.4	6	NORTHERN ITALY. ML 2.5 (LDG).
	01	02	52	05.1%	39.591	N	28.721	E	10	G			0.9	10	TURKEY
	01	03	04	27.6%	40.862	N	28.208	E	10	G			0.5	7	TURKEY
	01	03	06	18.9?	41.94	N	22.82	E	10	G			0.4	5	YUGOSLAVIA
	01	03	14	25.0	39.673	N	28.816	E	10	G			1.4	12	TURKEY
	01	03	18	10.1	41.109	N	40.162	E	33	N	4.7	4.0	1.0	77	TURKEY. Felt in Trabzan, Rize, Artvin and Gumushane Provinces.
	01	03	23	38.4•	4.780	N	126.795	E	100	•	4.8		0.9	19	TALAUD ISLANDS
	01	03	49	01.5•	3.950	N	126.103	E	118	•	4.5		1.4	9	TALAUD ISLANDS
	01	04	21	26.7	39.666	N	28.726	E	10	G			0.8	10	TURKEY
a	01	05	02	42.4	26.902	N	96.425	E	26	D	5.4	5.0	1.0	193	BURMA
	01	05	37	02.9?	9.92	S	157.18	E	33	N			1.1	5	SOLOMON ISLANDS
	01	06	45	11.4	44.345	N	11.623	E	10	G			1.1	44	NORTHERN ITALY. ML 3.7 (KBA), 3.6 (LDG), 3.4 (TRI).
	01	08	18	15.1&	61.504	N	147.450	W	19					42	SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR).
	01	08	24	31.5	40.161	N	24.988	E	18				1.1	26	AEGEAN SEA. ML 4.0 (ATH).
	01	08	40	12.6&	38.797	N	122.755	W	6					11	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=1.0•10••21 (BRK).
	01	09	31	20.0?	40.45	N	19.87	E	10	G			1.3	10	ALBANIA. ML 2.6 (TTG).
	01	10	45	39.1•	8.324	S	119.669	E	159	?	4.3		1.3	16	FLORES ISLAND REGION
	01	10	58	34.6•	27.070	S	176.734	W	33	N	5.0		1.0	36	KERMADEC ISLANDS REGION
	01	11	01	39.8•	27.017	S	176.743	W	33	N	4.9		0.8	30	KERMADEC ISLANDS REGION
	01	13	46	15.7•	1.178	S	100.043	E	81	?	4.7		1.1	11	SOUTHERN SUMATERA
	01	13	51	41.3	0.162	N	121.867	E	230		4.9		0.9	28	MINAHASSA PENINSULA
	01	14	22	02.9&	37.348	N	121.732	W	6					15	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	01	14	25	29.3&	61.384	N	151.854	W	89					22	SOUTHERN ALASKA. <AGS-P>.
	01	14	35	16.9?	44.84	N	15.03	E	10	G			0.9	6	YUGOSLAVIA. ML 3.0 (KBA), 2.7 (TRI).
	01	14	41	24.9•	3.756	N	127.033	E	33	N			1.3	15	TALAUD ISLANDS
	01	14	50	57.4&	37.347	N	121.730	W	6					20	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=3.0•10••21 (BRK). Felt (III) at Hollister, San Jose and Tres Pinos. Also felt at Los Gatos and Santa Cruz.
	01	14	55	07.0%	62.415	N	6.409	E	10	G			0.4	6	SOUTHERN NORWAY. MD 2.5 (BER).
	01	16	23	44.5&	59.760	N	153.349	W	122					27	SOUTHERN ALASKA. <AGS-P>.
	01	16	29	48.3?	33.07	S	72.44	W	10	G	4.1		1.3	9	OFF COAST OF CENTRAL CHILE
a	01	18	56	27.7	7.662	S	127.822	E	118	D	5.5		1.2	158	BANDA SEA
	01	18	59	04.0	42.333	N	19.937	E	10	G			0.9	11	YUGOSLAVIA. ML 2.6 (TTG).
	01	19	10	33.1•	37.279	N	21.571	E	74	•	4.0		1.2	15	SOUTHERN GREECE
	01	19	23	38.3&	38.715	N	119.540	W	17					26	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.6 (BRK). Mo=2.1•10••22 (BRK). Felt (V) at Topaz, (IV) at Avery, Pinegrove and Twain Harte, California. Also felt (IV) at Wellington, Nevada. Felt at Bridgeport, Coleville and Walker, California.
a	01	20	06	07.9	4.948	S	145.482	E	58		5.3		1.2	67	NEAR N COAST OF PAPUA NEW GUINEA
	01	20	34	02.3•	33.522	N	103.475	E	33	N	3.2		1.3	9	GANSU PROVINCE, CHINA
	01	20	44	23.4•	0.693	N	123.790	E	278	•	4.2		1.3	11	MINAHASSA PENINSULA
	01	20	57	16.9•	37.158	N	22.193	E	10	G			0.9	16	SOUTHERN GREECE. ML 3.5 (ATH).
	01	21	01	29.0?	40.01	N	29.62	E	10	G			1.0	5	TURKEY
	01	21	38	02.5	40.790	N	22.070	E	10	G			0.4	8	GREECE
	01	22	02	24.7?	38.01	N	25.71	W	10	G			0.3	7	AZORES ISLANDS
	01	22	17	01.8&	62.009	N	150.647	W	63					30	CENTRAL ALASKA. <AGS-P>.
	01	22	22	34.7	51.245	N	179.755	W	33	N	5.0		0.9	86	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
	01	23	02	42.5	39.066	N	27.842	E	10	G			1.0	10	TURKEY
	01	23	12	39.0•	11.593	N	86.783	W	119	?	4.6		0.9	18	NEAR COAST OF NICARAGUA
	01	23	17	36.9?	29.76	S	70.57	W	168	?			0.3	7	CENTRAL CHILE

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	02	02	45	43.2?	41.88	N	19.61	E	10	G			1.3	6	ALBANIA. ML 2.3 (TTG).
	02	03	02	12.4	39.107	N	27.791	E	10	G			1.4	7	TURKEY
	02	03	46	14.5&	37.638	N	122.483	W	9					10	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=4.0*10**20 (BRK). Felt at San Francisca.
	02	04	00	12.0&	34.192	N	96.855	W	5	G				4	OKLAHOMA. <TUL>. MD 1.7 (TUL).
	02	04	34	47.4*	15.558	S	167.563	E	135	*	4.2		1.1	26	VANUATU ISLANDS
	02	04	45	22.7	8.836	N	127.500	E	33	N	5.1		1.0	34	PHILIPPINE ISLANDS REGION
	02	06	16	43.6*	26.527	N	76.897	E	33	N			1.2	5	NORTHERN INDIA
	02	06	43	45.5?	11.70	S	165.68	E	33	N	4.5		0.9	7	SANTA CRUZ ISLANDS
	02	07	47	58.3	58.810	N	13.545	E	10	G			1.2	15	SWEDEN. ML 3.6 (UPP), MD 3.4 (BER). Felt.
	02	08	37	16.5?	30.29	S	71.27	W	33	N			1.3	7	NEAR COAST OF CENTRAL CHILE
	02	09	05	54.8*	39.666	N	28.803	E	10	G			0.7	5	TURKEY
	02	10	32	13.2	38.786	N	26.941	E	10	G			0.7	10	AEGEAN SEA
	02	11	02	19.7	40.112	N	29.220	E	10	G			1.2	9	TURKEY
	02	11	21	34.3	46.479	N	6.969	E	10	G			1.4	10	SWITZERLAND. ML 2.4 (LDG).
	02	12	17	43.3%	37.801	N	25.337	W	10	G			0.4	5	AZORES ISLANDS
	02	12	18	39.3*	11.418	S	13.302	W	10	G	4.3	3.9	1.3	10	ASCENSION ISLAND REGION
	02	14	10	59.6?	31.34	S	69.33	W	133	?			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	02	15	52	12.6	38.475	N	142.014	E	41	D	5.1		0.9	88	NEAR EAST COAST OF HONSHU, JAPAN
	02	16	48	07.3?	31.19	S	68.39	W	119	?			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	02	18	47	11.9?	40.57	N	23.46	E	10	G			0.3	4	GREECE
	02	19	39	28.8	39.216	N	120.695	W	5	G			0.8	11	NORTHERN CALIFORNIA. ML 2.7 (BRK).
	02	21	15	24.7%	37.910	N	28.390	E	10	G			0.6	5	TURKEY
	02	21	38	45.9*	25.945	S	70.406	W	33	N			1.5	5	NEAR COAST OF NORTHERN CHILE
	02	21	56	10.7?	17.56	S	178.17	W	606	*	4.4		0.8	15	FIJI ISLANDS REGION
	02	22	06	51.6	39.351	N	23.262	E	10	G			0.8	17	AEGEAN SEA. ML 3.0 (ATH).
	02	22	56	12.7*	10.103	N	104.198	W	10	G	4.8	5.0	0.9	17	OFF COAST OF MEXICO
	02	22	56	38.4	40.829	S	44.467	E	10	G	5.1	4.9	1.1	63	ATLANTIC-INDIAN RISE
	02	23	49	10.5*	7.013	N	73.078	W	159	*			1.2	8	NORTHERN COLOMBIA
	03	01	26	23.5*	24.524	S	179.937	E	517	?	4.8		1.2	24	SOUTH OF FIJI ISLANDS
	03	02	02	57.0	37.601	N	30.027	E	10	G			0.6	7	TURKEY
a	03	02	06	19.4	27.544	S	176.232	W	33	N	5.4	5.6	1.2	92	KERMADEC ISLANDS REGION. Ms 5.9 (BRK).
	03	02	43	11.1%	40.568	N	23.505	E	10	G			0.4	6	GREECE
	03	02	43	53.7*	12.024	N	57.777	E	10	G	4.4		1.5	15	ARABIAN SEA
	03	02	59	08.2*	35.545	N	68.502	E	58	?	4.4		1.4	12	HINDU KUSH REGION
	03	03	00	54.8?	39.20	N	140.95	E	33	N	4.2		1.5	8	HONSHU, JAPAN. Felt (III JMA) in the Ofunato area.
	03	04	51	45.9*	27.356	S	176.285	W	33	N	4.7		0.9	20	KERMADEC ISLANDS REGION
	03	04	58	04.2	21.406	S	68.240	W	134		4.9		1.3	50	CHILE-BOLIVIA BORDER REGION
	03	05	27	16.8*	27.647	S	176.052	W	33	N	4.4	4.8	1.3	12	KERMADEC ISLANDS REGION
	03	05	51	01.8*	37.119	N	71.606	E	132	?			1.8	7	AFGHANISTAN-USSR BORDER REGION
	03	05	58	19.1?	77.10	N	7.04	E	10	G	4.8		1.5	5	SVALBARD REGION
	03	06	24	45.6	45.317	N	7.565	E	10	G			1.0	11	NORTHERN ITALY. ML 2.4 (LDG).
	03	07	39	54.0?	28.01	N	55.12	E	33	N	4.2		0.2	6	SOUTHERN IRAN
	03	08	43	33.1*	39.485	S	46.059	E	10	G	4.9	4.7	0.6	11	ATLANTIC-INDIAN RISE
	03	09	00	56.9?	37.35	N	26.84	E	10	G			1.1	6	DODECANESE ISLANDS
	03	09	45	26.3	10.278	S	161.445	E	99	*	4.9		0.9	19	SOLOMON ISLANDS
	03	10	29	31.9	17.937	S	178.640	W	589	D	5.1		0.8	80	FIJI ISLANDS REGION
	03	10	37	40.7*	33.711	S	71.786	W	33	N			0.5	7	NEAR COAST OF CENTRAL CHILE. Felt (II) at Rancagua.
	03	11	07	44.6%	16.877	N	61.399	W	10	G			0.7	5	LEEWARD ISLANDS. ML 2.5 (FDF).
a	03	13	52	04.0	28.516	N	128.040	E	200	D	5.0		0.9	58	RYUKYU ISLANDS
	03	14	13	31.2*	13.366	N	90.433	W	48	*	3.8		1.1	31	NEAR COAST OF GUATEMALA
	03	15	11	22.3	24.215	S	67.053	W	193		4.5		1.1	25	CHILE-ARGENTINA BORDER REGION
	03	15	19	10.0*	27.948	S	176.031	W	33	N	4.8		1.4	15	KERMADEC ISLANDS REGION
	03	15	25	57.9*	40.975	N	23.391	E	10	G			0.1	5	GREECE
	03	15	36	15.7*	21.992	S	67.329	W	205	*			0.9	8	CHILE-BOLIVIA BORDER REGION
	03	15	51	36.8	33.523	N	0.909	E	10	G	4.3		0.9	18	ALGERIA
	03	16	13	03.7*	23.363	S	66.244	W	295	?			0.6	7	JUJUY PROVINCE, ARGENTINA
	03	17	10	40.2%	40.093	N	29.374	E	10	G			0.7	5	TURKEY
	03	17	11	31.4%	40.057	N	29.478	E	10	G			0.6	5	TURKEY
	03	17	29	31.5?	38.09	N	22.59	E	10	G			1.6	5	GREECE. ML 3.2 (ATH).
	03	18	19	12.7	27.375	S	176.147	W	33	N	5.2	5.4	1.3	37	KERMADEC ISLANDS REGION
	03	18	37	16.0*	46.150	N	16.029	E	10	G			0.8	7	YUGOSLAVIA. ML 2.7 (KBA), 2.4 (TRI).
	03	18	44	02.9	40.243	N	25.211	E	8		4.1		0.9	46	AEGEAN SEA. ML 4.0 (ATH).
	03	19	31	38.8*	50.799	N	15.966	E	10	G			1.0	8	CZECHOSLOVAKIA. ML 3.6 (VKA), 3.6 (KBA).
	03	20	08	40.0*	40.396	N	25.874	E	10	G			1.4	9	AEGEAN SEA
	03	20	57	03.7?	41.27	S	85.57	W	10	G	4.8	4.5	1.3	14	WEST CHILE RISE
	03	21	04	01.4&	33.870	N	116.860	W	11					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt in the Palm Springs area.
	03	22	25	08.7	18.697	S	69.570	W	152		4.5		1.0	19	NORTHERN CHILE
	04	01	17	09.3?	17.50	S	178.69	W	557		4.8		1.0	30	FIJI ISLANDS REGION
	04	01	58	14.0	18.142	N	101.512	W	66	*	4.8		1.0	54	GUERRERO, MEXICO. Felt in the Acapulca-Ixtapa area. Felt slightly at Mexico City.
	04	02	04	40.8	19.603	S	69.143	W	166	*			0.7	11	NORTHERN CHILE
	04	02	10	54.4?	31.08	S	69.52	W	162	?			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	04	02	32	47.6?	28.80	S	70.99	W	33	N			1.0	9	CENTRAL CHILE
	04	03	39	57.2	32.477	S	68.441	W	33	N			1.0	12	MENDOZA PROVINCE, ARGENTINA
	04	03	40	28.0?	18.37	S	71.20	W	33	N			0.9	6	OFF COAST OF NORTHERN CHILE
	04	03	46	18.4	8.667	N	73.011	W	10	G	4.4		0.9	9	NORTHERN COLOMBIA
	04	03	52	46.8	50.481	N	12.104	E	10	G			0.6	9	GERMANY. ML 2.9 (GRF).
	04	04	44	46.3	2.649	N	127.280	E	67	D	5.2		1.1	89	MOLUCCA PASSAGE
	04	06	14	18.7&	61.341	N	151.900	W	98		4.7			90	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Hurricane and (II) at Anchorage.
	04	06	55	55.0&	61.317	N	150.642	W	47		4.3			54	SOUTHERN ALASKA. <AGS-P>.
	04	07	06	06.6&	61.329	N	150.660	W	51					32	SOUTHERN ALASKA. <AGS-P>.
	04	08	26	00.9*	50.103	N	19.136	E	10	G			0.1	5	POLAND. ML 2.9 (KRA).
	04	08	46	01.7	44.187	N	114.065	W	5	G			0.6	7	WESTERN IDAHO. ML 3.5 (NEIS).
	04	08	50	35.1	4.523	S	153.637	E	55		5.1		0.9	32	NEW IRELAND REGION
	04	08	58	57.1*	19.302	N	121.079	E	30	*	4.5		1.4	22	PHILIPPINE ISLANDS REGION. Felt (I RF) at Pasuquin.
	04	11	28	45.2	36.666	N	1.525	E	10	G	4.5		1.2	51	ALGERIA. Felt at Ain Defla. Felt also at Algiers.
	04	12	30	03.0?	16.29	S	73.41	W	5	G			1.5	6	NEAR COAST OF PERU
	04	12	35	57.7*	32.349	S	71.850	W	10	G			0.8	10	NEAR COAST OF CENTRAL CHILE
a	04	16	19	15.1	50.881	N	89.269	E	10	G	5.3	4.9	1.1	204	USSR-MONGOLIA BORDER REGION
	04	17	28	27.2?	29.31	N	52.20	E	33	N	4.3		0.7	14	SOUTHERN IRAN

	04	18	09	57.6•	45.451	N	5.069	E	10	G		1.5	8	FRANCE. ML 2.6 (LDG).
	04	18	14	11.3	45.307	N	5.006	E	10	G		0.9	14	FRANCE. ML 3.0 (LDG).
	04	18	15	56.5	37.318	N	3.946	W	10	G		0.9	25	SPAIN. MG 3.9 (MDD). Felt (V) at Chauchina.
	04	18	16	21.2•	45.541	N	5.086	E	10	G		1.6	14	FRANCE. ML 2.7 (LDG).
	04	19	10	05.4•	41.985	N	23.734	E	33	N		1.5	9	GREECE-BULGARIA BORDER REGION
	04	19	45	10.7•	31.598	S	68.155	W	33	N		0.5	5	SAN JUAN PROVINCE, ARGENTINA
	04	20	38	53.9•	16.559	N	97.197	W	64	•	4.5	1.1	20	OAXACA, MEXICO. Felt at Mexica City.
	04	20	58	17.2•	6.101	S	153.329	E	42	•	4.7	1.5	15	NEW BRITAIN REGION
	04	21	08	02.4?	33.46	S	72.26	W	33	N		0.9	10	OFF COAST OF CENTRAL CHILE
	04	22	15	54.1•	36.298	N	1.854	E	10	G		1.1	11	ALGERIA. MG 3.6 (ABA).
	04	23	14	59.6	41.767	N	23.252	E	10	G		0.5	9	GREECE-BULGARIA BORDER REGION
	05	00	06	09.1?	8.64	S	106.72	E	33	N	3.6	0.5	5	SOUTH OF JAVA
	05	00	26	38.7&	60.059	N	152.419	W	89				37	SOUTHERN ALASKA. <AGS-P>.
	05	01	04	06.5•	39.260	N	25.457	E	24	•		1.0	8	AEGEAN SEA
	05	01	15	39.8•	38.694	N	48.617	E	86	•	4.5	1.3	10	N.W. IRAN-USSR BORDER REGION. Felt (V) at Lenkoran, Yardymly and Masally and (IV) at Astara, USSR. Also felt at Astara, Iran.
	05	02	22	16.7	9.123	N	93.619	E	126	D	4.8	1.1	96	NICOBAR ISLANDS REGION
	05	02	42	30.7	39.014	N	29.352	E	10			0.7	18	TURKEY
	05	03	18	36.4&	62.877	N	148.802	W	66				37	CENTRAL ALASKA. <AGS-P>.
	05	04	20	58.2•	6.219	S	131.257	E	33	N	4.0	1.1	10	TANIMBAR ISLANDS REGION
	05	04	22	10.1	42.305	N	19.300	E	10	G		0.9	10	YUGOSLAVIA. ML 2.6 (TTG).
	05	05	02	51.7	47.706	N	8.930	E	10	G		1.2	13	SWITZERLAND. ML 2.8 (LDG).
	05	06	29	54.9•	0.957	S	13.864	W	10	G	4.8 4.7	1.5	12	NORTH OF ASCENSION ISLAND
	05	06	42	07.4&	59.296	N	153.542	W	100				22	SOUTHERN ALASKA. <AGS-P>.
	05	07	57	20.8•	47.584	N	9.709	E	10	G		0.8	7	GERMANY
	05	08	10	17.9%	39.403	N	28.410	E	10	G		1.2	9	TURKEY
	05	09	58	09.3&	60.223	N	153.193	W	135				20	SOUTHERN ALASKA. <AGS-P>.
	05	10	10	05.2•	31.572	S	68.524	W	106	•		0.6	7	SAN JUAN PROVINCE, ARGENTINA
	05	11	45	32.4	4.522	S	152.689	E	27		4.9	1.4	15	NEW BRITAIN REGION
	05	12	40	35.8•	37.465	S	177.742	E	141	•	4.6	1.2	14	OFF E. COAST OF N. ISLAND, N.Z.
	05	13	33	48.4•	43.242	N	19.668	E	10	G		0.5	6	YUGOSLAVIA. ML 2.4 (TTG).
	05	13	34	46.2&	36.993	N	101.561	W	5	G			5	TEXAS PANHANDLE REGION. <TUL>. MD 2.4 (TUL).
	05	14	11	52.0&	59.466	N	136.524	W	25				7	SOUTHEASTERN ALASKA. <AGS-P>.
	05	15	05	10.0•	16.373	N	61.188	W	33	N		0.8	7	LEEWARD ISLANDS. ML 2.3 (FDF).
	05	17	09	26.8?	7.58	S	128.37	E	159	?		1.4	6	BANDA SEA
	05	17	32	36.9	14.124	N	120.528	E	98		5.2	1.0	94	LUZON, PHILIPPINE ISLANDS. Felt (1 RF) at Puerto Galera, Mindara.
	05	17	48	51.8	63.343	N	151.507	W	33	N		1.0	7	CENTRAL ALASKA. ML 4.0 (PMR).
	05	20	05	57.3?	20.84	S	178.83	W	621	•	4.3	0.8	19	FIJI ISLANDS REGION
	05	20	46	02.4•	15.788	S	173.258	W	165	?	5.1	0.9	22	TONGA ISLANDS
	05	21	18	07.1•	21.887	S	65.989	W	280	•		1.1	13	SOUTHERN BOLIVIA
	05	22	12	09.4	38.326	N	22.491	E	22		3.8	1.2	17	GREECE. ML 3.4 (ATH).
	05	22	52	09.5&	62.097	N	151.096	W	69				21	CENTRAL ALASKA. <AGS-P>.
a	06	00	16	39.9	18.016	S	178.404	W	589	D	5.4	0.8	220	FIJI ISLANDS REGION
	06	00	32	14.0•	51.096	N	15.837	E	10	G		1.1	8	POLAND. ML 3.0 (VKA).
	06	01	10	29.0%	12.488	S	76.993	W	33	N		1.4	6	NEAR COAST OF PERU. Felt (III) at Lima.
	06	01	25	04.7	46.069	N	13.346	E	10	G		0.7	8	AUSTRIA. ML 2.3 (TRI).
	06	02	21	25.9?	36.46	N	79.47	E	62	?	4.5	1.4	13	SOUTHERN XINJIANG, CHINA
	06	02	42	34.9•	3.337	N	122.672	E	541	•	4.3	1.1	10	CELEBES SEA
a	06	02	48	23.6	9.007	N	126.240	E	62		5.6	1.1	178	MINDANAO, PHILIPPINE ISLANDS
	06	02	52	00.5	9.100	N	126.368	E	33	N	5.4	1.1	22	MINDANAO, PHILIPPINE ISLANDS
	06	03	34	31.0•	1.174	S	78.449	W	33	N	4.6	1.2	9	ECUADOR
	06	04	12	59.0	39.334	N	73.014	E	73	•	4.6	0.9	30	TAJIK-XINJIANG BORDER REGION. Felt (III) at Fergana and Namangan, USSR.
	06	05	21	08.1&	61.656	N	151.857	W	102				31	SOUTHERN ALASKA. <AGS-P>.
	06	05	26	46.8	44.147	N	16.410	E	10	G		1.3	14	YUGOSLAVIA. ML 3.4 (TRI).
	06	06	30	36.1	44.203	N	6.311	E	27			1.1	25	FRANCE. ML 3.0 (LDG).
	06	06	43	08.0?	50.56	N	175.26	W	33	N	4.7	0.5	6	ANDREANOF ISLANDS, ALEUTIAN IS.
	06	07	48	24.8•	6.146	S	154.015	E	33	N	4.6	0.5	6	SOLOMON ISLANDS
	06	09	19	17.1%	44.696	N	6.919	E	11			0.2	11	FRANCE. ML 2.9 (LDG).
	06	09	19	58.2&	34.740	N	120.150	W	0		4.0		25	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). Felt (V) at Los Alamos and Los Olivas. Felt (IV) at Santa Ynez and Solvang. Also felt at Buellton, Casmalia, Lompac and Santa Maria.
	06	10	08	20.0&	59.406	N	152.664	W	71				38	SOUTHERN ALASKA. <AGS-P>.
	06	10	13	02.5&	59.907	N	153.479	W	130				30	SOUTHERN ALASKA. <AGS-P>.
	06	10	50	33.9•	36.559	N	70.780	E	291	?	3.7	0.7	11	HINDU KUSH REGION
	06	10	50	43.5?	36.04	N	27.11	E	33	N		0.5	5	DODECANESE ISLANDS
	06	14	34	35.1&	61.808	N	150.637	W	67				32	SOUTHERN ALASKA. <AGS-P>.
	06	14	49	16.3	12.641	S	75.091	W	102		4.7	1.2	34	PERU. Felt (IV) at Huancovelica; (III) at Chincha Alta and Lima.
	06	15	17	14.2	8.654	S	159.103	E	171		4.8	1.1	32	SOLOMON ISLANDS
	06	15	23	25.3•	32.788	S	66.120	W	33	N		0.8	13	SAN LUIS PROVINCE, ARGENTINA
	06	16	11	06.9	24.671	N	122.447	E	28	•	4.9	1.5	50	TAIWAN REGION
	06	18	02	59.8•	23.024	S	174.980	W	33	N		1.2	8	TONGA ISLANDS REGION
a	06	18	27	00.1	51.469	N	176.684	W	33	N	5.1 5.5	1.2	185	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR), Ms 5.6 (BRK). Felt (IV) on Adak.
	06	18	36	24.9	62.842	N	149.681	W	100	?		0.5	8	CENTRAL ALASKA
	06	19	33	20.6•	44.119	N	146.042	E	94	?	4.6	1.1	56	KURIL ISLANDS
	06	19	45	40.4	51.306	N	176.441	W	33	N	4.8	1.2	41	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (IV) on Adak.
	06	20	04	01.7%	39.399	N	28.558	E	10	G		1.1	8	TURKEY
	06	20	16	15.3•	37.822	N	139.611	E	33	N	4.5	1.0	16	HONSHU, JAPAN. Felt (II JMA) at Maebashi and Aizu-Wakamatsu.
	06	20	47	57.8	17.035	N	145.588	E	475		4.7	0.9	51	MARIANA ISLANDS
	06	22	08	20.8&	61.997	N	151.334	W	89				21	SOUTHERN ALASKA. <AGS-P>.
	06	22	16	27.8	39.445	N	72.920	E	43	•	4.6	1.0	23	KIRGHIZ SSR
	06	23	02	50.5&	34.370	N	116.380	W	2				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	06	23	23	04.0•	52.317	N	153.445	E	394	?	4.3	0.8	44	NORTHWEST OF KURIL ISLANDS
	06	23	24	38.2•	30.400	S	71.872	W	33	N		1.0	15	NEAR COAST OF CENTRAL CHILE
	07	00	24	20.4	8.618	N	126.999	E	42	•	5.2 4.6	1.4	63	MINDANAO, PHILIPPINE ISLANDS
	07	00	54	26.8?	37.55	N	19.76	E	10	G		1.5	5	IONIAN SEA. ML 3.9 (ATH).
	07	01	16	12.4	62.661	N	149.764	W	119	?		0.8	10	CENTRAL ALASKA

	07	02	08	00.8&	32.980	N	117.830	W	6	G			8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	07	03	52	48.4*	22.246	N	120.267	E	33	N	4.3	1.4	11	TAIWAN
	07	05	10	46.8*	4.102	S	104.216	W	10	G	4.5	1.4	26	NORTHERN EASTER I. CORDILLERA
	07	05	36	40.2*	20.607	S	68.865	W	167	?		0.6	7	CHILE-BOLIVIA BORDER REGION
	07	08	05	37.6?	32.00	S	71.75	W	33	N		1.2	12	NEAR COAST OF CENTRAL CHILE
	07	09	07	34.6	10.343	N	61.899	W	10	G		1.1	16	TRINIDAD. MG 4.5 (FDF). Felt widely on northern Trinidad.
	07	09	08	43.6?	16.98	S	175.61	W	233	?	5.0	1.1	21	TONGA ISLANDS
	07	09	18	40.6%	39.116	N	28.870	E	10	G		0.5	6	TURKEY
	07	11	37	13.4*	7.484	S	129.879	E	107	?		1.4	10	BANDA SEA
	07	12	32	36.3*	4.959	S	152.427	E	160	*	4.0	1.4	12	NEW BRITAIN REGION
	07	12	44	14.2?	44.07	N	114.48	W	5	G		1.1	4	WESTERN IDAHO. ML 3.0 (NEIS).
	07	12	54	22.5*	39.035	N	26.052	E	23			1.0	13	TURKEY
	07	13	24	36.8	40.562	N	23.454	E	10	G		0.8	10	GREECE
	07	13	27	05.0*	87.068	N	43.640	E	10	G	4.7 4.3	1.1	27	NORTH OF FRANZ JOSEF LAND
	07	13	53	18.5?	34.67	N	70.90	W	10	G		0.6	13	OFF EAST COAST OF UNITED STATES. mbLg 4.0 (NEIS).
a	07	14	43	50.8	14.083	S	69.165	E	10	G	5.0	0.7	56	MID-INDIAN RISE
	07	15	10	22.7?	51.56	N	16.22	E	10	G		0.8	10	POLAND. ML 3.9 (VKA).
	07	15	55	47.8	18.374	N	146.770	E	67	*	4.7	0.9	43	MARIANA ISLANDS
	07	19	41	12.9	40.579	N	23.520	E	10	G		0.6	13	GREECE
a	07	19	48	58.8	28.591	S	176.407	W	33	N	5.7 6.3	1.3	155	KERMADEC ISLANDS REGION. Ms 6.8 (BRK).
	07	20	42	36.7*	49.898	N	18.516	E	10	G		0.5	5	CZECHOSLOVAKIA
	07	20	50	58.9%	44.288	N	6.694	E	10	G		0.2	6	FRANCE. ML 2.7 (LDG).
	07	20	58	53.8*	28.554	S	176.598	W	33	N	5.3	1.2	52	KERMADEC ISLANDS REGION
	07	23	29	45.1*	5.056	S	133.966	E	10	G	3.7	0.8	7	AROE ISLANDS REGION
o	08	00	09	25.7	28.426	S	176.562	W	33	N	5.3 4.9	1.1	57	KERMADEC ISLANDS REGION
	08	00	34	42.0?	24.14	S	179.78	W	494	?	4.6	0.7	18	SOUTH OF FIJI ISLANDS
	08	02	03	35.0	40.613	N	23.427	E	10	G		0.9	10	GREECE
	08	02	09	44.4&	60.438	N	151.878	W	74				22	KENAI PENINSULA, ALASKA. <AGS-P>.
	08	02	52	44.1	32.729	S	68.037	W	9			1.3	16	MENDOZA PROVINCE, ARGENTINA
	08	03	24	30.0*	54.171	S	6.239	E	10	G	5.0	1.3	13	BOUVET ISLAND REGION
	08	04	08	33.9&	60.052	N	140.794	W	4				15	SOUTHEASTERN ALASKA. <AGS-P>.
a	08	04	22	38.7*	28.227	S	176.615	W	33	N	5.3 5.2	1.3	48	KERMADEC ISLANDS REGION
	08	04	46	04.7*	28.303	S	67.638	W	158	*		0.9	15	LA RIOJA PROVINCE, ARGENTINA
	08	04	57	42.4*	28.755	S	176.365	W	33	N	4.9	1.2	23	KERMADEC ISLANDS REGION
	08	06	03	11.2&	60.064	N	140.778	W	2				15	SOUTHEASTERN ALASKA. <AGS-P>.
	08	06	54	58.6&	60.760	N	152.595	W	138				27	SOUTHERN ALASKA. <AGS-P>.
	08	07	03	38.0?	38.91	N	28.54	E	10	G		1.0	5	TURKEY
	08	07	23	32.2*	18.114	S	178.380	W	575	*	4.8	1.1	41	FIJI ISLANDS REGION
	08	07	48	43.8&	62.000	N	152.028	W	113				28	SOUTHERN ALASKA. <AGS-P>.
	08	09	40	01.0	52.233	N	169.617	W	33	N	4.9 4.4	1.1	76	FOX ISLANDS, ALEUTIAN ISLANDS
	08	10	13	23.4%	39.407	N	28.367	E	10	G		0.3	8	TURKEY
	08	10	52	24.9%	39.168	N	27.658	E	10	G		0.5	5	TURKEY
	08	11	20	52.8?	5.25	S	128.88	E	232	*	4.1	0.9	9	BANDA SEA
	08	11	22	19.1	15.554	S	174.002	W	105	?	5.0	1.0	83	TONGA ISLANDS
	08	11	32	30.5*	20.705	S	68.957	W	33	N		0.4	6	CHILE-BOLIVIA BORDER REGION
	08	12	09	10.8	0.322	S	123.882	E	96	*	5.1	1.3	32	MINAHASSA PENINSULA
	08	12	28	08.8*	43.541	N	20.766	E	10	G		1.1	7	YUGOSLAVIA. ML 2.4 (TTG).
	08	14	06	38.9%	60.722	N	5.558	E	10	G		0.4	6	SOUTHERN NORWAY. MD 1.7 (BER).
	08	14	54	13.1&	46.859	N	120.580	W	8				6	WASHINGTON. <SEA-P>. ML 2.9 (NEIS).
	08	14	54	42.7*	28.503	S	176.284	W	33	N	4.9	1.3	38	KERMADEC ISLANDS REGION
	08	15	34	42.3*	7.036	S	145.130	E	33	N		1.3	6	NEAR S COAST OF PAPUA NEW GUINEA
	08	16	33	02.7	7.216	N	126.986	E	33	N	4.9	0.8	20	MINDANAO, PHILIPPINE ISLANDS
	08	16	34	52.5?	61.60	N	6.84	E	10	G		0.4	5	SOUTHERN NORWAY. MD 2.2 (BER).
	08	16	35	22.9*	26.312	S	71.344	W	88	?		0.5	9	OFF COAST OF NORTHERN CHILE
	08	16	38	28.5	44.153	N	20.211	E	10	G		0.8	18	YUGOSLAVIA. ML 2.7 (TTG). Felt (VI) in the Mt. Moljen region and (IV) at Belgrade.
	08	16	41	40.2*	28.170	S	70.846	W	33	N		1.5	17	CENTRAL CHILE
	08	18	24	31.7*	27.176	N	92.322	E	33	N	4.5	1.3	9	INDIA-CHINA BORDER REGION
	08	19	56	23.1*	33.335	S	71.963	W	10	G		1.0	10	NEAR COAST OF CENTRAL CHILE
	08	22	19	23.6	38.699	N	26.655	E	10	G		0.5	9	AEGEAN SEA
	08	23	00	30.2	27.875	S	66.754	W	174		4.9	1.3	44	CATAMARCA PROVINCE, ARGENTINA
	08	23	31	04.6?	5.75	S	129.73	E	33	N		1.4	8	BANDA SEA
	09	02	03	34.9*	21.615	S	176.565	W	152	?	4.3	1.2	22	FIJI ISLANDS REGION
	09	02	17	00.5&	60.145	N	141.026	W	12		4.1		25	SOUTHEASTERN ALASKA. <AGS-P>. ML 4.2 (PMR).
	09	02	17	25.2?	28.66	S	177.39	W	33	N	4.8	1.5	7	KERMADEC ISLANDS REGION
	09	03	33	21.0?	36.06	N	1.63	E	10	G		0.9	9	ALGERIA. ML 3.8 (ABA).
	09	05	49	49.8*	5.371	S	152.768	E	33	N	4.6	1.2	9	NEW BRITAIN REGION
	09	06	06	24.2*	2.880	N	95.806	E	33	N		0.2	5	OFF W COAST OF NORTHERN SUMATERA
	09	06	28	33.0*	47.479	N	0.737	W	10	G		0.2	5	FRANCE. ML 2.1 (LDG).
	09	06	48	16.3	39.054	N	27.808	E	10	G		1.1	7	TURKEY
	09	08	27	39.1?	11.58	S	117.55	E	10	G	4.2	1.5	7	SOUTH OF SUMBAWA ISLAND
	09	09	45	30.0	40.564	N	23.507	E	10	G		0.9	9	GREECE
	09	10	11	34.8*	37.547	N	20.556	E	13		4.0	1.5	28	IONIAN SEA. ML 4.0 (ATH).
	09	10	15	45.3&	61.679	N	151.761	W	89				25	SOUTHERN ALASKA. <AGS-P>.
	09	11	10	22.0*	27.892	S	70.855	W	33	N		1.2	10	NEAR COAST OF NORTHERN CHILE
	09	12	04	56.1*	29.088	S	176.270	W	33	N	4.8	1.3	15	KERMADEC ISLANDS REGION
	09	12	06	34.5	46.210	N	112.125	W	5	G		0.7	9	MONTANA. ML 3.2 (BUT), 3.3 (NEIS).
a	09	12	16	24.4	52.263	N	168.363	W	33	N	5.3 4.7	1.1	155	FOX ISLANDS, ALEUTIAN ISLANDS
	09	12	27	40.8	16.009	S	174.950	W	303		4.8	0.9	41	TONGA ISLANDS
	09	12	42	02.4?	52.50	N	168.47	W	33	N	4.8	1.3	19	FOX ISLANDS, ALEUTIAN ISLANDS
	09	12	43	27.9%	47.500	N	0.680	W	10	G		0.3	5	FRANCE. ML 2.2 (LDG).
	09	12	57	52.7	36.324	N	71.142	E	142	D	4.7	1.1	26	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Khorog, USSR.
	09	13	04	27.5	11.143	S	162.365	E	33	N	5.3	1.1	40	SOLOMON ISLANDS
	09	13	38	10.3	39.072	N	27.896	E	10	G		0.7	10	TURKEY
	09	13	39	24.7	39.072	N	27.851	E	10	G		0.7	6	TURKEY
	09	13	55	21.5*	4.269	S	102.366	E	72	*	5.0	1.1	37	SOUTHERN SUMATERA
	09	14	02	26.4*	43.979	N	114.740	W	5	G		0.6	9	WESTERN IDAHO. ML 3.8 (NEIS).
	09	14	10	46.2	33.993	N	96.320	E	10	G	5.0	1.0	42	QINGHAI PROVINCE, CHINA
	09	14	15	37.8*	44.024	N	114.723	W	5	G		0.7	6	WESTERN IDAHO. ML 3.3 (NEIS).
	09	14	44	47.7*	3.880	S	134.741	E	33	N	4.1	1.4	14	WEST IRIAN REGION
	09	14	46	20.8*	47.488	N	0.409	W	10	G		1.3	7	FRANCE. ML 2.7 (LDG).

a	09	15	00	42.7*	18.625	N	106.797	W	10	G	4.9	5.1	1.3	30	OFF COAST OF JALISCO, MEXICO. Ms 5.2 (BRK).
	09	15	25	52.4*	28.049	S	176.148	W	33	N	4.8		1.2	38	KERMADEC ISLANDS REGION
	09	16	36	37.2?	29.25	S	176.78	W	33	N	4.6		0.5	5	KERMADEC ISLANDS REGION
	09	17	04	44.0*	14.682	N	147.076	E	20	*	3.7		0.7	21	MARIANA ISLANDS REGION
	09	17	57	59.9*	47.490	N	0.716	W	10	G			0.3	5	FRANCE. ML 2.3 (LDG).
	09	18	10	51.6	6.812	N	73.001	W	163		4.3		0.9	29	NORTHERN COLOMBIA
	09	18	49	22.0	6.614	S	154.678	E	40		4.8		1.0	38	SOLOMON ISLANDS. Felt (III) at Arawa, Bougainville.
	09	19	13	54.9	6.688	S	154.658	E	37		4.4		1.1	26	SOLOMON ISLANDS
	09	19	14	30.9?	36.00	N	21.26	E	33	N			1.3	6	SOUTHERN GREECE
	09	19	39	49.6	39.462	N	28.384	E	10	G			0.8	14	TURKEY
	09	20	04	16.2?	27.76	S	176.10	W	33	N	4.6		0.9	9	KERMADEC ISLANDS REGION
	09	20	21	35.6	40.401	N	23.922	E	10	G			0.9	12	GREECE
	09	20	55	19.1	31.069	N	103.715	E	27	*			1.4	15	SICHUAN PROVINCE, CHINA. MG 3.8 (BJI).
	09	21	09	40.8*	67.848	N	165.552	W	33	N	4.2		1.5	14	ALASKA. ML 4.1 (PMR).
	09	21	59	58.1*	38.915	N	24.313	E	10	G			0.7	6	AEGEAN SEA. ML 3.0 (ATH).
a	09	22	27	28.0	17.266	N	61.397	W	52		5.1	4.0	0.9	101	LEEWARD ISLANDS. Felt (II) on Guadeloupe; felt also on Montserrat.
	10	00	08	47.0*	32.488	N	26.093	E	33	N	3.5		1.4	17	EASTERN MEDITERRANEAN SEA
	10	00	10	41.5*	32.095	S	69.606	W	33	N			1.5	11	MENDOZA PROVINCE, ARGENTINA
	10	01	35	12.5&	32.980	N	117.790	W	6	G				9	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	10	01	45	08.4*	37.569	N	20.533	E	10		3.7		1.4	17	IONIAN SEA. ML 3.8 (ATH).
	10	02	08	39.6	6.623	S	154.671	E	38		4.8		1.2	31	SOLOMON ISLANDS. Felt (III) at Arawa and Panguna, Bougainville.
	10	02	18	56.5?	1.76	S	133.51	E	33	N			1.6	5	WEST IRIAN REGION
	10	02	26	44.9*	2.336	N	126.633	E	78	*	4.8		1.1	21	MOLUCCA PASSAGE
	10	02	52	34.1*	24.024	S	67.058	W	192	*	4.8		1.5	19	CHILE-ARGENTINA BORDER REGION
	10	03	06	49.4*	6.854	S	123.329	E	632	*	5.2		1.2	17	BANDA SEA
	10	04	13	55.7*	51.056	N	176.395	W	33	N	4.7		1.2	28	ANDREANOF ISLANDS, ALEUTIAN IS.
	10	04	22	24.4	5.464	S	151.263	E	37	*			1.1	11	NEW BRITAIN REGION
	10	04	56	59.8?	28.05	S	176.38	W	33	N	4.6		1.5	11	KERMADEC ISLANDS REGION
	10	04	57	22.4?	20.09	N	98.24	E	33	N			0.2	5	BURMA
	10	05	57	46.7?	36.38	N	20.81	E	33	N	4.0		1.1	18	MEDITERRANEAN SEA. ML 4.1 (ATH).
	10	07	02	19.9*	35.821	N	22.318	E	33	N	4.3		1.0	9	MEDITERRANEAN SEA. ML 4.1 (ATH).
	10	08	18	06.1*	24.419	N	98.789	E	33	N			1.3	6	BURMA-CHINA BORDER REGION
	10	08	58	05.8?	40.05	N	116.78	E	10	G			1.4	4	NORTHEASTERN CHINA. ML 4.1 (BJI). Felt widely in the Beijing area.
	10	09	19	46.5*	32.190	S	71.261	W	28				0.4	10	NEAR COAST OF CENTRAL CHILE
	10	11	23	37.7%	40.161	N	28.866	E	10	G			0.7	6	TURKEY
	10	13	01	49.9*	7.463	S	155.809	E	33	N	4.2		1.1	7	SOLOMON ISLANDS
	10	13	32	02.9	62.042	N	124.498	W	10	G	4.4		1.3	13	NORTHWEST TERRITORIES, CANADA
	10	14	06	51.9%	40.037	N	23.810	E	10	G			0.5	5	GREECE
	10	15	22	34.4&	38.805	N	122.822	W	2	G				7	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Ma=2.0*10**21 (BRK). Small foreshock about 14 secands earlier.
	10	15	29	41.7	39.427	N	28.438	E	10				0.9	17	TURKEY
	10	15	51	07.1*	40.580	N	23.625	E	10	G			0.4	5	GREECE
	10	16	56	33.0?	29.50	S	177.10	W	33	N	4.7		1.3	8	KERMADEC ISLANDS
	10	16	57	45.3*	38.561	N	19.735	E	10	G			1.0	12	IONIAN SEA
	10	17	47	32.4	39.058	N	27.861	E	10	G			0.2	6	TURKEY
	10	17	55	00.1?	47.55	N	14.00	E	33	N			1.2	4	AUSTRIA. ML 2.6 (VKA), 2.1 (KBA). Felt at Judenberg.
	10	18	22	25.8*	40.727	N	21.062	E	10	G			0.6	8	GREECE
	10	18	30	47.0?	40.54	N	23.48	E	10	G			0.5	5	GREECE
	10	19	43	45.1	38.436	N	25.220	E	22		4.4	3.8	1.1	84	AEGEAN SEA. ML 4.6 (ATH).
a	10	20	38	46.5	28.344	S	176.488	W	33	N	5.4	5.7	1.1	129	KERMADEC ISLANDS REGION. Ms 5.9 (BRK).
	10	20	53	21.1	41.987	N	19.371	E	10	G			0.7	7	ALBANIA. ML 2.2 (TTG).
	10	21	29	23.0	42.308	N	19.953	E	10	G			0.4	10	YUGOSLAVIA. ML 2.7 (TTG).
	10	21	45	40.7?	52.54	N	169.50	W	33	N	4.8		0.6	6	FOX ISLANDS, ALEUTIAN ISLANDS
a	10	21	52	43.6	7.374	S	155.898	E	51		5.5	5.4	0.9	174	SOLOMON ISLANDS. Felt (IV) at Arawa and (III) at Panguna, Bougainville.
	10	22	32	49.9*	6.933	S	146.458	E	33	N	3.9		1.0	6	EAST PAPUA NEW GUINEA REGION
	10	22	37	05.9?	11.52	S	76.72	W	82	?			0.5	7	PERU
	10	23	25	03.6	5.360	S	152.918	E	45	*	4.0		0.8	13	NEW BRITAIN REGION
a	11	00	02	32.0	2.414	N	126.811	E	79	D	5.7		1.4	143	MOLUCCA PASSAGE
	11	00	52	35.8	38.932	N	24.315	E	10	G			1.1	11	AEGEAN SEA. ML 3.0 (ATH).
	11	01	38	26.9&	59.953	N	151.336	W	44					28	KENAI PENINSULA, ALASKA. <AGS-P>.
	11	02	44	04.1	25.179	S	179.997	E	473		5.0		0.9	70	SOUTH OF FIJI ISLANDS
	11	03	33	04.6?	21.10	S	179.01	W	641	*	4.4		0.6	26	FIJI ISLANDS REGION
	11	07	09	38.1*	24.815	S	176.009	W	33	N	4.8		1.0	22	SOUTH OF FIJI ISLANDS
	11	08	18	58.7	63.387	N	150.241	W	33	N			0.4	9	CENTRAL ALASKA. ML 3.5 (PMR).
	11	09	33	34.6?	12.13	S	166.65	E	100	G	4.2		1.4	27	SANTA CRUZ ISLANDS
	11	10	55	25.8	36.817	N	66.104	E	33	N	4.7		1.2	14	HINDU KUSH REGION
	11	12	02	43.6*	5.489	S	131.265	E	33	N	4.6		1.4	11	BANDA SEA
	11	13	12	56.0	47.816	N	128.542	W	10	G	4.3		1.0	25	OFF COAST OF WASHINGTON
	11	13	13	44.0&	73.740	N	86.100	W	18	G	4.3			12	BAFFIN ISLAND REGION. <OTT-P>.
	11	14	05	16.9	51.452	N	174.778	W	33	N	4.9		1.0	64	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
	11	14	17	14.8	15.030	N	146.978	E	33	N	5.2		0.9	31	MARIANA ISLANDS
	11	15	58	40.0	38.971	N	25.753	E	33	N			1.0	22	AEGEAN SEA. ML 3.5 (ATH).
	11	15	59	23.4?	47.68	N	152.54	E	33	N	4.8		0.7	13	KURIL ISLANDS
	11	16	48	52.5	31.682	S	67.885	W	9				1.1	20	SAN JUAN PROVINCE, ARGENTINA
	11	18	46	51.2&	62.240	N	149.681	W	56					35	CENTRAL ALASKA. <AGS-P>.
a	11	18	57	12.4	48.678	S	31.154	E	10	G	5.7	5.8	1.3	119	SOUTH OF AFRICA
	11	19	03	22.2	48.702	S	31.146	E	10	G	5.4		0.8	25	SOUTH OF AFRICA
	11	19	33	02.7	29.288	S	179.009	W	281	*	4.7		1.1	76	KERMADEC ISLANDS REGION
	11	20	59	52.6	40.449	N	22.661	E	10	G			0.7	7	GREECE
	11	21	19	03.6	61.975	N	149.857	W	23				0.6	9	SOUTHERN ALASKA. ML 3.1 (PMR).
	11	22	49	07.9	39.048	N	27.867	E	10	G			0.5	7	TURKEY
	11	23	17	56.7	39.047	N	27.908	E	10	G			0.8	8	TURKEY
	11	23	29	07.2?	37.47	N	20.40	E	14		3.9		1.3	16	IONIAN SEA. ML 3.9 (ATH).
	12	00	24	47.0?	13.91	S	168.82	E	33	N	5.1		1.2	15	VANUATU ISLANDS
a	12	00	26	04.6	14.340	S	167.675	E	33	N	5.3		1.1	108	VANUATU ISLANDS
	12	02	01	35.3*	51.148	N	174.218	W	33	N	4.6		1.0	21	ANDREANOF ISLANDS, ALEUTIAN IS.
a	12	02	20	35.5	12.402	S	166.825	E	40	D	5.3		1.2	63	SANTA CRUZ ISLANDS
	12	02	21	57.6	40.662	N	29.851	E	10	G			1.1	33	TURKEY
	12	03	48	15.5	1.136	S	147.267	E	63	*	4.9	4.0	0.5	29	ADMIRALTY ISLANDS REGION

	12	04	24	52.4%	40.821	N	28.268	E	10	G		0.6	7	TURKEY
	12	04	30	49.3*	5.142	S	150.749	E	230	*	4.8	0.5	8	NEW BRITAIN REGION
	12	04	39	46.1*	65.917	N	156.440	W	10	G		1.2	7	ALASKA. ML 3.4 (PMR).
	12	05	05	02.4*	14.514	N	93.886	W	32	*	4.8 3.6	1.0	33	NEAR COAST OF CHIAPAS, MEXICO
	12	07	12	47.5*	44.004	N	114.715	W	5	G		0.4	5	WESTERN IDAHO. ML 3.0 (NEIS).
	12	07	19	44.4	42.012	N	19.264	E	10	G		0.2	6	YUGOSLAVIA. ML 2.2 (TTG).
	12	10	06	15.3	38.455	N	73.278	E	115	D	5.2	0.8	145	TAJIK-XINJIANG BORDER REGION. Felt (III) at Murgab, Khorog, Khait and Garm; (II) at Dushanbe, USSR.
	12	10	26	35.4*	38.678	N	26.709	E	12			0.4	9	AEGEAN SEA
	12	10	37	14.4%	60.135	N	4.876	E	10	G		0.2	7	SOUTHERN NORWAY. MD 1.7 (BER).
	12	11	32	51.5*	44.811	N	94.044	E	33	N	4.3	1.5	8	NORTHERN XINJIANG, CHINA
	12	12	37	40.9%	60.098	N	4.843	E	10	G		0.1	7	SOUTHERN NORWAY. MD 2.2 (BER).
	12	12	44	03.2	51.192	N	179.412	E	33	N	4.8	1.1	71	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
	12	14	37	01.2	4.778	N	126.387	E	98	*	5.2	1.1	65	TALAUD ISLANDS
	12	14	48	41.0%	60.720	N	5.558	E	10	G		0.4	6	SOUTHERN NORWAY. MD 2.0 (BER).
	12	16	02	49.2*	34.554	N	46.548	E	33	N	4.4	0.9	6	WESTERN IRAN
	12	17	01	58.3	21.911	S	139.085	W	0	G	5.3	1.0	88	TUAMOTU ARCHIPELAGO REGION
	12	17	36	15.5?	31.46	S	68.20	W	110	?		0.5	6	SAN JUAN PROVINCE, ARGENTINA
	12	17	45	12.4	27.949	S	66.997	W	192	*	4.2	1.0	27	CATAMARCA PROVINCE, ARGENTINA
	12	18	01	31.6	39.360	N	28.881	E	10	G		1.0	12	TURKEY
	12	18	02	15.1%	39.568	N	28.881	E	10	G		1.1	8	TURKEY
	12	19	10	41.4?	28.44	S	66.72	W	181	?		0.7	6	CATAMARCA PROVINCE, ARGENTINA
	12	19	41	43.3*	6.118	S	154.050	E	33	N	3.8	0.9	7	SOLOMON ISLANDS
	12	20	02	30.4*	21.133	S	68.908	W	157	?		1.8	8	CHILE-BOLIVIA BORDER REGION
	12	20	32	20.0%	40.695	N	29.989	E	10	G		0.8	8	TURKEY
a	12	20	54	27.7	28.207	S	176.630	W	33	D	5.1 5.6	1.1	86	KERMADEC ISLANDS REGION. Ms 5.9 (BRK).
	12	22	02	15.8*	22.284	N	143.920	E	159	?	4.2	0.7	8	VOLCANO ISLANDS REGION
	12	22	07	16.4&	36.160	N	120.070	W	6	G			13	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 2.9 (BRK).
	12	22	15	46.6	39.333	N	28.923	E	10	G		0.4	8	TURKEY
	12	22	16	09.5	39.609	N	28.974	E	10	G		1.0	5	TURKEY
	13	01	52	27.8	39.340	N	28.988	E	10	G		1.3	13	TURKEY
	13	04	27	16.3%	40.832	N	27.762	E	10	G		1.1	9	TURKEY
	13	04	31	01.1*	63.091	N	150.799	W	147	?		0.4	7	CENTRAL ALASKA
	13	05	12	28.0&	33.960	N	116.730	W	10				14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt (IV) at Palm Springs and (III) at North Palm Springs.
	13	07	24	08.7*	32.048	S	70.621	W	10	G		1.1	9	CHILE-ARGENTINA BORDER REGION
	13	07	24	45.4%	39.354	N	28.935	E	10	G		0.6	5	TURKEY
	13	09	34	23.7%	40.561	N	23.464	E	10	G		0.2	5	GREECE
	13	09	40	21.5%	40.565	N	23.493	E	10	G		0.6	8	GREECE
	13	10	59	44.3&	61.987	N	150.745	W	62				35	SOUTHERN ALASKA. <AGS-P>.
	13	11	11	18.5*	26.470	S	26.534	E	5	G		1.4	16	REPUBLIC OF SOUTH AFRICA
	13	11	33	52.9*	41.962	N	19.537	E	10	G		0.4	8	ALBANIA. ML 2.8 (TTG).
	13	12	25	19.1*	4.129	S	131.119	E	33	N	4.2	0.8	12	BANDA SEA
a	13	12	44	07.6	43.854	N	141.770	E	16	D	5.4 5.0	1.2	166	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Rumoi; (II JMA) at Asahikawa and Sapporo and (I JMA) at Obihiro and Wakkanai.
	13	12	54	17.5%	39.326	N	28.843	E	10	G		1.5	6	TURKEY
	13	13	08	12.4*	27.813	S	176.536	W	32	D	4.6	0.8	13	KERMADEC ISLANDS REGION
	13	13	23	47.1	10.275	S	161.343	E	91		5.0	0.9	77	SOLOMON ISLANDS
	13	14	10	04.1&	59.509	N	152.399	W	71				25	SOUTHERN ALASKA. <AGS-P>.
	13	14	46	10.3	7.476	S	156.037	E	54		4.9	1.1	54	SOLOMON ISLANDS. Felt (III) at Arawa, Bougainville.
	13	14	58	28.9	57.629	N	156.549	W	171	*		0.7	34	ALASKA PENINSULA
	13	15	26	28.6*	49.929	N	154.548	E	33	N	4.9	0.7	28	KURIL ISLANDS
	13	15	27	18.0&	59.867	N	152.359	W	72				24	SOUTHERN ALASKA. <AGS-P>.
	13	15	53	03.1%	46.276	N	8.645	E	10	G		1.0	6	SWITZERLAND
	13	16	00	45.7*	30.824	S	71.508	W	64	*		1.1	21	NEAR COAST OF CENTRAL CHILE
	13	16	51	44.8*	7.015	S	129.860	E	110	?	4.2	1.3	14	BANDA SEA
	13	16	55	38.0	37.487	N	118.484	W	5	G		0.6	24	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (BRK), 3.6 (PAS). Felt at Bishop, California.
	13	18	45	22.1	37.491	N	118.473	W	5	G		0.5	18	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (BRK), 3.3 (PAS).
	13	19	43	05.0?	5.04	S	151.02	E	177	*		0.8	7	NEW BRITAIN REGION
	13	19	45	00.7*	31.316	S	68.240	W	10	G		1.6	10	SAN JUAN PROVINCE, ARGENTINA
	13	20	33	30.9%	44.205	N	8.223	E	33	N		0.8	6	NORTHERN ITALY. ML 2.7 (LDG).
	13	21	37	35.2	17.424	N	145.785	E	193	*	5.1	1.1	101	MARIANA ISLANDS
	13	22	07	14.9	39.388	N	28.938	E	10	G		1.1	9	TURKEY
	13	22	43	52.4*	36.146	N	9.027	W	33	N		1.5	7	WEST OF GIBRALTAR. MG 3.8 (MTH).
	13	23	03	55.8	39.367	N	28.995	E	10	G		1.0	9	TURKEY
	13	23	26	30.3	39.293	N	29.017	E	10	G		0.6	10	TURKEY
	13	23	26	54.1%	39.325	N	29.039	E	10	G		0.4	7	TURKEY
a	14	00	46	41.4	35.979	N	136.914	E	272		5.1	0.9	222	SOUTHERN HONSHU, JAPAN. Felt (I JMA) at Miyako.
	14	01	47	33.8*	22.108	S	179.748	W	593	*	4.7	1.0	48	SOUTH OF FIJI ISLANDS
	14	03	15	45.5*	3.068	S	145.589	E	33	N	4.9 3.6	1.1	7	NEAR N COAST OF PAPUA NEW GUINEA
	14	03	34	50.3%	39.312	N	29.003	E	8			0.9	9	TURKEY
	14	03	37	04.4%	39.259	N	29.004	E	9			0.8	10	TURKEY
	14	03	38	20.1	39.323	N	29.032	E	6			1.1	11	TURKEY
	14	03	38	58.6	39.326	N	29.006	E	10	G		1.4	21	TURKEY
	14	04	21	26.6	36.075	N	70.376	E	95	*	4.8	0.9	31	HINDU KUSH REGION
	14	04	26	20.4&	38.528	N	122.977	W	2				7	NORTHERN CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt in the Guerneville-Forestville area.
	14	05	02	20.6	39.434	N	25.725	E	10	G		1.1	7	AEGEAN SEA
	14	05	45	44.9*	39.282	N	23.855	E	10	G		1.4	8	AEGEAN SEA. ML 2.9 (ATH).
	14	05	52	29.8*	23.277	S	67.256	W	33	N		1.3	6	CHILE-ARGENTINA BORDER REGION
a	14	06	33	22.8	58.731	S	25.266	W	18	D	5.6 5.2	1.1	113	SOUTH SANDWICH ISLANDS REGION
	14	06	51	14.9%	39.338	N	28.911	E	12	*		1.4	8	TURKEY
	14	06	55	08.9*	12.136	S	76.883	W	33	N		0.9	6	NEAR COAST OF PERU. Felt (II) at Lima.
	14	07	03	23.6	35.900	N	22.236	E	41	*	4.5 3.9	1.4	61	MEDITERRANEAN SEA. ML 4.2 (ATH).
	14	07	27	01.9*	9.728	N	126.357	E	51	*	5.0 4.8	1.2	33	MINDANAO, PHILIPPINE ISLANDS
	14	09	14	23.2*	44.538	N	17.743	E	10	G		1.1	11	YUGOSLAVIA. ML 3.1 (TTG).
	14	11	08	44.6	43.561	N	148.394	E	39	D	4.9	0.9	45	KURIL ISLANDS REGION
	14	12	15	07.9	40.583	N	23.730	E	10	G		0.6	10	GREECE
	14	12	35	53.1*	42.744	N	24.563	E	9			1.0	7	BULGARIA
a	14	12	59	33.3	27.255	S	176.505	W	44	*	5.3 5.1	1.1	74	KERMADEC ISLANDS REGION

	14	14	03	26.0	7.470	S	128.459	E	166	*	4.9		1.1	53	BANDA SEA
	14	14	55	53.8?	26.06	N	128.66	E	33	N	4.5		1.5	12	RYUKYU ISLANDS
	14	16	00	00.0&	37.100	N	116.048	W	0		5.8	4.5		230	SOUTHERN NEVADA. <DOE>. ML 5.6 (BRK). 37' 06' 01.54" N., 116' 02' 53.05" W., Surfoce Elev. 1263 m., Depth of Burial 600 m., Shot Time 160000.066, "GASCON", Nevodo Test Site (Dept. of Energy).
	14	16	37	36.5?	1.65	N	126.81	E	33	N	4.3		0.3	7	MOLUCCA PASSAGE
	14	17	02	04.1%	40.666	N	29.953	E	10	G			0.8	8	TURKEY
	14	17	07	50.3%	40.622	N	29.932	E	10	G			0.4	6	TURKEY
	14	17	26	24.0	10.749	N	63.276	W	10	G	5.0		1.3	49	NEAR COAST OF VENEZUELA. Felt ot Corupano ond Rio Caribe.
	14	17	52	32.1?	35.32	S	71.00	W	135	?			0.4	13	CENTRAL CHILE
	14	18	16	21.2	38.543	N	27.495	E	14				0.7	9	TURKEY
	14	19	17	46.6	20.981	S	178.882	W	614		5.0		1.0	61	FIJI ISLANDS REGION
	14	19	50	08.7?	35.11	N	20.84	E	33	N	4.2		1.3	13	MEDITERRANEAN SEA. ML 3.4 (ATH).
	14	20	02	38.7	37.081	N	116.014	W	0	G	4.0		1.5	11	SOUTHERN NEVADA. Collopse.
	14	20	55	03.9%	40.633	N	29.925	E	10	G			0.7	8	TURKEY
	14	21	01	25.6	6.839	N	75.956	W	96	*			1.2	14	NORTHERN COLOMBIA
	14	21	20	05.0	23.911	N	121.654	E	33	N	5.4		1.4	394	TAIWAN. Foreshock.
f	14	21	20	10.5	23.901	N	121.574	E	34	G	6.3	7.8	1.2	79	TAIWAN. Ms 7.5 (BRK). Fifteen people killed, 44 injured and domage (V JMA) in the Taipei-Huo-lien area, mostly in the Taipei oreo. Landslides occurred olong the highway between Su-oo and Hua-lien. Taiwan-to-Guam ond Taiwan-to-Okinawa undersea telecommunication cables were domoged. Felt strongly throughout Taiwan. Felt (III JMA) on Yonoguni-jima and (II JMA) on Ishigaki-shima, Ryukyu Islonds. Felt (II RF) at Posuquin, Luzon, Philippine Islonds. Depth from broodbond displocement seismogroms.
	14	21	42	43.9	51.426	N	173.821	W	33	N	5.5		1.0	107	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR).
	14	21	49	03.8&	60.405	N	149.305	W	38					32	KENAI PENINSULA, ALASKA. <AGS-P>.
	14	22	06	16.5%	44.224	N	6.414	E	10	G			0.2	5	FRANCE. ML 2.4 (LDG).
	14	22	34	22.6	24.042	N	121.956	E	33	N	5.3		1.1	116	TAIWAN
a	14	23	04	37.0	23.866	N	121.711	E	33	N	6.1	6.3	1.4	316	TAIWAN. Felt strongly throughout Toiwon. Also felt (I JMA) on Ishigoki-shima, Ryukyu Islonds.
	14	23	13	18.5*	51.313	N	15.570	E	10	G			1.0	7	POLAND. ML 3.4 (VKA).
	14	23	29	23.3	23.963	N	121.812	E	33	N	5.0		1.3	71	TAIWAN
	14	23	51	58.2%	39.243	N	28.957	E	10	G			0.8	10	TURKEY
	14	23	56	24.1	23.818	N	121.988	E	33	N	4.8		1.2	35	TAIWAN
	15	00	17	42.8	23.882	N	121.803	E	33	N	5.3		1.2	185	TAIWAN. Felt (I JMA) on Ishigaki-shima, Ryukyu Islands.
	15	00	33	42.6*	23.578	N	121.267	E	33	N	3.9		1.1	9	TAIWAN
	15	00	38	10.2	23.703	N	121.869	E	33	N	4.5		1.4	32	TAIWAN
	15	00	56	55.8*	44.667	N	110.959	W	5	G			0.8	8	YELLOWSTONE NATIONAL PARK, WYO. ML 3.4 (NEIS). Felt (IV) ot West Yellowstone, Montono ond (III) at Modison Junction, Yellowstone Notionol Pork.
	15	01	00	02.1	23.955	N	121.839	E	33	N	5.1	5.4	1.3	98	TAIWAN
	15	01	39	57.5	37.607	N	118.437	W	5	G			0.9	7	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (PAS).
	15	02	10	48.8	23.954	N	121.881	E	33	N	4.2		1.4	25	TAIWAN
	15	03	07	47.3	23.946	N	121.877	E	33	N	4.4		1.4	36	TAIWAN
	15	03	13	59.4*	24.086	N	122.363	E	33	N	4.7		1.5	8	TAIWAN REGION
	15	03	24	59.7	23.975	N	121.814	E	33	N	5.0		1.4	86	TAIWAN
	15	03	37	44.1%	40.087	N	29.308	E	10	G			0.8	8	TURKEY
	15	03	39	40.3*	21.884	S	174.558	E	33	N	4.8		1.3	19	VANUATU ISLANDS REGION
	15	03	52	54.0*	23.826	N	121.732	E	33	N	4.0		1.3	9	TAIWAN
	15	04	24	08.4	23.884	N	121.835	E	33	N	4.5		1.2	27	TAIWAN
	15	04	38	01.3*	31.246	S	68.462	W	111	*			1.1	16	SAN JUAN PROVINCE, ARGENTINA
	15	05	14	32.4?	23.66	N	122.17	E	33	N	4.8		1.6	8	TAIWAN REGION
	15	05	36	19.7*	23.851	N	121.873	E	33	N			1.4	15	TAIWAN
	15	05	52	12.5*	23.831	N	121.718	E	33	N	4.3		1.4	10	TAIWAN
	15	06	06	45.1	36.403	N	140.857	E	54		5.3		0.9	161	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) ot Moeboshi, Mito ond Utsunomiyo; (II JMA) ot Onahoma ond Fukushimo ond (I JMA) ot Tokyo, Yokohama ond Sendai.
	15	07	02	14.0&	61.468	N	146.441	W	23					42	SOUTHERN ALASKA. <AGS-P>. ML 3.8 (PMR).
a	15	07	24	07.2	23.877	N	121.677	E	28		5.5	5.8	1.3	252	TAIWAN
	15	08	00	19.7*	47.015	N	22.286	E	33	N			1.5	6	ROMANIA
	15	09	00	13.2	42.706	N	111.667	W	5	G			0.7	6	EASTERN IDAHO. ML 3.3 (NEIS). Felt (IV) at Soda Springs.
	15	09	02	48.3	23.770	N	121.896	E	33	N	4.4		1.3	34	TAIWAN
	15	09	28	31.9	23.935	N	121.960	E	33	N	4.5		1.4	31	TAIWAN
	15	10	25	13.7	41.946	N	19.507	E	10	G			1.1	15	ALBANIA. ML 2.8 (TTG).
	15	10	52	04.1*	29.185	S	68.519	W	33	N			0.7	6	SAN JUAN PROVINCE, ARGENTINA
	15	13	52	22.0*	38.215	N	27.254	E	10	G			1.4	8	TURKEY
	15	15	03	32.1*	23.957	N	121.984	E	33	N	4.0		1.5	15	TAIWAN
	15	15	37	08.7	23.700	N	121.794	E	33	N	4.4		1.2	31	TAIWAN
	15	15	48	58.1?	24.16	N	121.94	E	33	N	4.3		1.5	9	TAIWAN
	15	16	12	50.3	23.923	N	122.039	E	33	N	4.9	4.9	1.2	114	TAIWAN REGION
	15	17	38	22.1?	33.64	S	71.92	W	33	N			1.2	9	NEAR COAST OF CENTRAL CHILE
	15	18	27	16.1?	39.26	N	28.89	E	10	G			0.3	5	TURKEY
	15	18	38	53.8%	40.657	N	23.467	E	10	G			0.4	5	GREECE
	15	18	39	56.9	39.371	N	28.906	E	10	G			0.6	8	TURKEY
	15	19	15	46.9	39.254	N	28.968	E	10	G			0.9	17	TURKEY
	15	19	17	42.8?	43.13	N	1.27	E	10	G			1.3	8	FRANCE. ML 2.9 (LDG).
	15	19	23	32.1?	39.12	N	28.84	E	10	G			0.4	6	TURKEY
	15	19	48	25.2*	23.860	S	175.725	W	71	?	5.1	4.4	1.5	27	TONGA ISLANDS REGION
	15	20	36	38.9	39.414	N	28.983	E	10	G			1.0	9	TURKEY
	15	20	51	31.4*	24.297	N	122.131	E	33	N	4.5		1.5	19	TAIWAN REGION
	15	20	54	53.1	40.660	N	23.406	E	10	G			1.1	11	GREECE. ML 2.6 (VAY).
	15	20	58	54.2&	19.344	N	155.218	W	8					39	HAWAII. <HVO-P>. ML 3.9 (HVO). Felt (III) ot Homokuo ond Volcano.
	15	21	45	27.0	24.023	N	121.710	E	33	N	4.8		1.4	28	TAIWAN
	15	21	52	18.0	39.363	N	28.913	E	10	G			0.8	8	TURKEY
	15	22	17	03.3	40.661	N	23.452	E	10		3.6		1.3	43	GREECE. ML 3.8 (ATH), 3.2 (SKO).
	15	22	54	33.1?	39.08	N	28.85	E	10	G			1.2	6	TURKEY

	15	22	56	04.8*	36.818	N	71.124	E	33	N	4.6		1.1	14	AFGHANISTAN-USSR BORDER REGION
	16	01	07	24.1	39.313	N	28.974	E	9				0.7	24	TURKEY
	16	01	46	57.5	41.954	N	19.554	E	10	G			0.5	11	ALBANIA. ML 2.4 (TTG).
	16	02	04	23.5?	39.12	N	28.91	E	10	G			0.1	5	TURKEY
	16	02	10	40.9*	39.468	N	28.838	E	21	*			0.8	6	TURKEY
	16	02	36	20.7*	15.743	N	46.650	W	10	G	4.9	3.6	0.7	18	NORTH ATLANTIC RIDGE
	16	02	48	00.7&	61.898	N	150.862	W	70					33	SOUTHERN ALASKA. <AGS-P>.
	16	02	58	35.5*	43.276	N	146.443	E	33	N	4.4		1.0	12	KURIL ISLANDS
	16	03	48	28.2*	38.339	N	26.539	E	10	G			0.7	7	AEGEAN SEA
	16	04	22	31.6?	12.38	S	77.89	W	33	N			0.9	8	NEAR COAST OF PERU. Felt (IV) at Lima.
	16	05	26	14.2*	24.371	N	121.873	E	33	N	4.2		1.4	14	TAIWAN
	16	05	29	25.8?	47.50	N	1.81	W	10	G			0.8	5	FRANCE. ML 2.5 (LDG).
	16	06	56	54.5*	61.464	S	153.660	E	10	G	4.9	5.0	1.5	21	BALLENY ISLANDS REGION
	16	07	07	24.6	23.800	N	121.885	E	33	N	4.9		1.3	53	TAIWAN
	16	09	07	49.3?	4.73	S	153.58	E	84	*	3.5		0.3	6	NEW IRELAND REGION
	16	09	43	06.1?	39.99	N	23.92	E	10	G			1.5	8	AEGEAN SEA
	16	10	52	15.7	29.821	S	68.237	W	33	N			0.9	16	SAN JUAN PROVINCE, ARGENTINA
	16	11	49	47.0?	17.75	S	178.96	W	574	*	4.4		0.6	10	FIJI ISLANDS REGION
	16	12	55	08.2?	51.50	N	16.56	E	10	G			0.8	5	POLAND. ML 3.4 (VKA).
	16	13	13	57.6	23.819	N	121.787	E	33	N	5.0		1.2	101	TAIWAN
	16	13	31	11.2*	23.872	N	121.781	E	33	N	4.5		1.3	46	TAIWAN
	16	14	15	07.5*	24.138	N	121.867	E	33	N	4.0		1.5	15	TAIWAN
	16	14	42	15.9	41.975	N	19.546	E	10	G			0.4	9	ALBANIA. ML 2.4 (TTG).
	16	15	53	04.9*	39.369	N	23.844	E	10	G			1.5	11	AEGEAN SEA. ML 2.9 (ATH).
	16	17	46	59.4	23.694	N	121.591	E	33	N	4.5		1.2	36	TAIWAN
	16	18	24	32.0	27.325	N	129.229	E	29	D	5.0	4.6	1.2	75	RYUKYU ISLANDS. Felt (II JMA) at Naze.
	16	19	26	23.4*	3.295	N	124.226	E	350	*	4.5		1.3	19	CELEBES SEA
	16	20	51	46.8	39.232	N	120.431	W	5	G			1.0	13	NORTHERN CALIFORNIA. ML 2.9 (BRK).
	16	20	56	23.0	22.831	N	121.349	E	33	N	4.4		1.3	33	TAIWAN REGION
	16	21	30	47.5	23.674	N	121.822	E	33	N	4.1		1.3	20	TAIWAN
	16	22	10	38.4*	37.369	N	23.327	E	33	N			1.2	8	SOUTHERN GREECE. ML 3.2 (ATH).
	16	22	53	28.2?	39.34	N	28.95	E	10	G			0.8	5	TURKEY
a	17	00	33	33.5	14.641	S	166.532	E	37	*	5.0	4.0	1.4	81	VANUATU ISLANDS
	17	00	58	54.1*	50.460	N	19.072	E	10	G			1.2	6	POLAND. ML 2.6 (VKA).
	17	01	05	34.9&	60.581	N	150.448	W	47					32	KENAI PENINSULA, ALASKA. <AGS-P>.
	17	02	06	06.9?	33.22	S	71.85	W	33	N			1.3	11	NEAR COAST OF CENTRAL CHILE
	17	02	21	17.9*	23.837	N	121.709	E	33	N	4.0		1.6	12	TAIWAN
	17	02	52	06.5&	61.598	N	151.820	W	93					24	SOUTHERN ALASKA. <AGS-P>.
	17	03	06	11.6?	6.50	S	147.63	E	80	*	3.2		1.4	7	EAST PAPUA NEW GUINEA REGION
	17	03	17	48.6?	43.26	N	0.21	W	10	G			0.4	5	PYRENEES. ML 2.8 (LDG).
	17	04	17	27.1%	39.420	N	28.394	E	10	G			0.6	10	TURKEY
	17	04	26	43.9*	28.400	N	142.417	E	33	N	5.2		1.3	14	BONIN ISLANDS REGION
	17	05	06	29.2*	11.578	N	142.335	E	34	*	4.8		0.8	12	SOUTH OF MARIANA ISLANDS
	17	05	50	51.1&	58.927	N	152.986	W	75					16	KODIAK ISLAND REGION. <AGS-P>.
	17	08	19	40.0	41.973	N	19.537	E	10	G			0.7	10	ALBANIA. ML 2.4 (TTG).
	17	08	34	13.3	43.156	N	110.812	W	5	G			0.8	20	WYOMING. ML 3.9 (NEIS). Felt (III) at Alpine, Wyoming and Palisades, Idaho.
	17	08	40	32.5	35.235	N	110.993	E	33	N			1.4	9	EASTERN CHINA. MG 4.2 (BJI).
	17	09	06	27.3	43.157	N	110.798	W	5	G			0.6	16	WYOMING. ML 3.7 (NEIS).
	17	09	30	19.9*	34.953	N	110.952	E	10	G	4.5		1.1	7	EASTERN CHINA
	17	10	14	58.4	3.154	S	128.182	E	38	*	4.9	4.8	1.3	51	CERAM
	17	10	24	40.0?	3.01	S	128.19	E	33	N	4.4		1.1	9	CERAM
	17	11	21	15.6	23.756	N	121.595	E	33	N	4.9		1.3	42	TAIWAN
	17	12	36	23.5*	10.432	N	62.994	W	10	G			0.9	7	NEAR COAST OF VENEZUELA
	17	12	40	22.4	37.571	N	118.415	W	5	G			0.8	14	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (NEIS).
	17	13	08	42.4?	42.96	N	6.16	E	10	G			0.5	5	WESTERN MEDITERRANEAN SEA. ML 2.4 (LDG).
	17	13	19	47.9*	24.071	N	121.913	E	33	N	4.3		1.3	9	TAIWAN
	17	13	44	07.0?	41.92	N	19.61	E	10	G			1.1	7	ALBANIA. ML 2.3 (TTG).
	17	14	02	10.8*	24.316	N	121.530	E	33	N			1.3	12	TAIWAN
	17	15	25	33.4*	34.892	N	23.102	E	33	N	3.8		1.0	11	CRETE
	17	15	36	16.0	2.928	S	134.528	E	4	?	4.7	4.0	1.3	30	WEST IRIAN REGION
	17	16	58	06.4%	60.705	N	5.675	E	0	G			1.5	7	SOUTHERN NORWAY. MD 1.5 (BER). Probable explosion.
	17	19	31	19.5	41.846	N	19.576	E	10	G			1.1	12	ALBANIA. MD 3.0 (TTG).
	17	19	44	28.2*	27.193	S	71.383	W	33	N			1.1	8	NEAR COAST OF NORTHERN CHILE
	17	20	34	50.5*	39.131	N	28.959	E	10	G			0.4	5	TURKEY
	17	20	40	14.7*	24.204	N	121.845	E	33	N	4.3		1.3	16	TAIWAN
	17	21	13	55.2	23.978	N	122.083	E	33	N	5.0		1.3	46	TAIWAN REGION
	17	22	51	14.8	9.285	N	126.768	E	62	*	4.9		1.5	42	MINDANAO, PHILIPPINE ISLANDS
	17	23	29	49.2*	8.625	S	78.469	W	91	*	4.7		1.0	24	NEAR COAST OF NORTHERN PERU. Felt (IV) at Chimbote; (II) at Casma and Trujillo.
	17	23	46	14.5*	9.328	N	126.790	E	33	N	4.7		1.1	9	MINDANAO, PHILIPPINE ISLANDS
	17	23	55	50.5*	27.884	S	72.394	W	33	N			1.3	13	OFF COAST OF NORTHERN CHILE
	18	00	12	01.8?	50.21	N	19.15	E	10	G			1.7	5	POLAND. ML 3.0 (KRA), 3.0 (KBA).
	18	00	18	47.0*	2.531	S	102.326	E	50	*	4.7		1.1	16	SOUTHERN SUMATERA
	18	00	31	28.7*	36.303	S	70.205	W	196	*	4.3		0.7	17	CHILE-ARGENTINA BORDER REGION
	18	01	42	58.6	24.147	N	122.253	E	33	N	4.8		1.2	26	TAIWAN REGION
	18	02	23	34.3*	7.095	S	127.304	E	378	*	5.2		1.5	12	BANDA SEA
	18	02	50	52.3	24.170	N	121.863	E	33	N	4.1		1.3	21	TAIWAN
	18	04	06	24.2*	32.420	S	71.669	W	33	N			1.0	14	NEAR COAST OF CENTRAL CHILE
	18	06	11	44.8*	5.257	S	151.309	E	124	*	3.7		1.2	6	NEW BRITAIN REGION
	18	06	27	51.7	63.191	N	150.440	W	141	?			0.2	7	CENTRAL ALASKA
	18	06	45	26.0*	3.910	N	98.527	E	186	*	4.6		1.0	11	NORTHERN SUMATERA
	18	08	49	13.9	24.008	N	121.787	E	33	N	5.1	5.2	1.2	116	TAIWAN
	18	10	15	55.3*	36.304	S	177.883	E	280		5.1		1.3	25	OFF E. COAST OF N. ISLAND, N.Z.
	18	10	52	36.7	39.442	N	28.371	E	10	G			1.3	10	TURKEY
	18	11	33	43.4*	15.036	N	60.384	W	31				0.5	9	LEEWARD ISLANDS. ML 2.8 (FDF).
a	18	12	02	27.8	57.933	S	25.392	W	67	D	5.6		0.9	66	SOUTH SANDWICH ISLANDS REGION
	18	12	14	24.3*	17.583	S	179.098	W	568		4.7		0.9	34	FIJI ISLANDS REGION
	18	13	27	00.9*	40.058	N	77.561	E	33	N	4.7		0.8	8	KIRGHIZ-XINJIANG BORDER REGION
	18	13	45	55.8&	37.525	N	121.692	W	6					14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	18	14	07	10.9&	36.215	N	120.830	W	7					12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	18	14	10	15.4*	24.214	N	121.693	E	33	N			1.5	12	TAIWAN
	18	14	49	11.7	42.012	N	19.534	E	10	G			1.1	15	YUGOSLAVIA. MD 3.2 (TTG).

	18	14	54	39.5	41.950	N	19.523	E	9			0.8	15	ALBANIA. ML 2.9 (TTG).
	18	15	31	07.8	23.937	N	122.112	E	33	N	4.8	1.2	51	TAIWAN REGION
	18	15	38	20.2*	11.028	N	126.187	E	57	*		1.3	16	PHILIPPINE ISLANDS REGION
	18	16	11	00.0*	37.135	N	22.170	E	33	N	4.2	1.2	14	SOUTHERN GREECE. ML 3.6 (ATH).
	18	18	39	31.7	32.324	S	68.623	W	139	*		0.5	16	MENDOZA PROVINCE, ARGENTINA. Felt (II) in the Mendozo areo.
	18	19	01	44.5	38.821	N	122.825	W	10	G		1.0	14	NORTHERN CALIFORNIA. ML 2.8 (BRK).
	18	19	03	48.7	43.230	N	26.040	E	10	G		1.2	7	BULGARIA
	18	19	51	39.5	6.742	N	72.990	W	166		4.8	1.2	36	NORTHERN COLOMBIA. Felt at Bogoto, Bucoromango and Cucuta.
	18	20	51	04.1	39.385	N	28.409	E	10	G		0.8	14	TURKEY
	18	20	59	05.8	39.483	N	28.338	E	8			1.0	8	TURKEY
	18	21	30	08.6?	34.80	N	22.21	E	33	N		1.3	11	MEDITERRANEAN SEA. ML 3.2 (ATH).
	18	22	21	40.8*	31.376	S	69.425	W	132	*		0.9	14	SAN JUAN PROVINCE, ARGENTINA
	18	22	37	20.5	39.561	N	28.440	E	10	G		0.4	6	TURKEY
a	18	22	48	27.6	24.113	S	179.956	E	511		5.4	1.1	130	SOUTH OF FIJI ISLANDS
	19	00	06	50.2	29.746	N	131.398	E	33	N	4.7	0.8	26	RYUKYU ISLANDS REGION
a	19	00	35	17.4	29.969	N	131.057	E	33	N	5.1 5.0	1.3	87	RYUKYU ISLANDS REGION
	19	00	49	36.1	23.917	N	121.877	E	33	N	4.3	1.4	28	TAIWAN
	19	01	14	53.0*	1.579	S	77.416	W	202	*	4.7	1.1	13	ECUADOR
	19	01	22	20.8?	53.10	N	4.43	W	20	G		0.2	9	UNITED KINGDOM. ML 2.2 (BGS). Felt throughout the Lleyn Peninsulo areo.
	19	01	39	29.1	44.249	N	11.355	E	10	G	3.9	1.2	28	NORTHERN ITALY. ML 3.3 (LDG), MD 3.2 (TRI).
	19	01	39	33.9*	45.447	N	26.422	E	155	?		0.9	7	ROMANIA
	19	01	48	09.9*	6.198	S	76.526	W	33	N	4.9	1.3	8	NORTHERN PERU
	19	02	11	44.7	39.387	N	28.910	E	10	G		0.5	7	TURKEY
	19	02	15	47.3*	36.302	N	70.792	E	112	?	4.0	1.5	12	HINDU KUSH REGION
	19	02	42	22.2*	52.370	N	170.727	W	33	N		0.2	5	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
	19	03	26	52.9	24.020	N	121.890	E	33	N	4.9	1.3	66	TAIWAN
o	19	04	53	31.9	27.221	S	176.449	W	33	N	5.3 5.2	1.2	82	KERMADEC ISLANDS REGION
	19	04	56	00.5&	32.960	N	117.810	W	6	G			10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	19	06	00	43.7&	60.659	N	151.910	W	92				29	KENAI PENINSULA, ALASKA. <AGS-P>.
	19	06	21	36.9	27.252	S	176.364	W	33	N	5.2 5.0	1.0	45	KERMADEC ISLANDS REGION
a	19	08	28	32.9	0.278	N	169.752	E	33	N	5.3 4.8	1.0	79	GILBERT ISLANDS REGION
	19	09	22	11.3	23.961	S	179.822	W	518		5.5	1.1	144	SOUTH OF FIJI ISLANDS
	19	09	27	36.6	23.038	S	69.052	W	157	*		1.1	18	NORTHERN CHILE
o	19	11	52	37.1	19.550	S	167.690	E	34	D	5.3 4.7	1.3	86	VANUATU ISLANDS REGION
	19	12	03	34.7*	19.399	S	167.510	E	33	N	4.4	1.4	10	VANUATU ISLANDS REGION
	19	13	13	24.0	40.740	N	27.467	E	10	G		1.2	8	TURKEY
a	19	14	09	46.3	27.135	S	176.507	W	33	N	5.2 5.2	1.2	63	KERMADEC ISLANDS REGION
	19	14	40	01.8*	26.831	S	26.565	E	5	G		1.4	7	REPUBLIC OF SOUTH AFRICA
	19	15	22	18.3*	38.909	N	27.759	E	10	G		1.3	8	TURKEY
	19	15	37	57.1	60.874	N	6.703	E	10	G		0.4	6	SOUTHERN NORWAY. MD 1.6 (BER).
	19	15	38	42.5	57.561	N	150.529	W	33	N		0.6	34	GULF OF ALASKA. ML 3.6 (PMR).
	19	16	19	08.2&	40.413	N	124.940	W	19		4.2		21	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK). Felt (II) at Rio Dell.
	19	17	01	50.5	60.728	N	5.555	E	10	G		0.5	6	SOUTHERN NORWAY. MD 1.7 (BER).
a	19	17	11	55.3	18.889	S	168.087	E	48		5.3 5.0	1.3	129	VANUATU ISLANDS
	19	17	40	37.2*	37.603	N	118.436	W	5	G		1.0	7	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (PAS).
	19	17	46	09.8*	17.249	S	69.803	W	149	*		1.5	9	PERU-BOLIVIA BORDER REGION
	19	19	00	11.4?	51.04	N	176.00	W	33	N		1.7	6	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
	19	19	13	33.0	40.222	N	23.355	E	10	G		0.5	10	GREECE
	19	19	28	21.2*	23.977	N	121.762	E	33	N	4.1	1.3	11	TAIWAN
	19	20	42	30.1&	62.008	N	150.910	W	65				25	CENTRAL ALASKA. <AGS-P>.
	19	20	50	46.9%	26.796	S	175.834	W	33	N	4.9	1.6	11	SOUTH OF TONGA ISLANDS
	19	22	16	31.9*	27.471	N	66.125	E	33	N	4.7	1.5	5	PAKISTAN
	19	22	32	30.3	38.889	N	27.758	E	10	G		1.0	14	TURKEY
	19	23	36	05.8	35.111	N	23.909	E	39	*	4.4 3.7	1.4	89	CRETE. ML 4.2 (ATH).
	20	01	28	07.6	24.096	N	121.813	E	33	N	4.3	1.0	23	TAIWAN
	20	01	56	22.1?	16.51	N	59.89	W	33	N		0.3	9	LEEWARD ISLANDS. ML 3.5 (FDF).
	20	02	10	54.4	35.079	N	23.924	E	35	?	3.7	1.5	27	CRETE. ML 4.0 (ATH).
	20	02	36	24.1*	21.035	S	68.840	W	33	N		1.5	12	CHILE-BOLIVIA BORDER REGION
	20	02	40	25.6	42.042	N	84.394	E	50	*	4.6	1.1	25	NORTHERN XINJIANG, CHINA
	20	02	51	02.4?	39.27	N	28.93	E	10	G		1.0	6	TURKEY
	20	04	57	11.3*	15.069	N	93.938	W	59	*	4.6 3.5	1.0	35	NEAR COAST OF CHIAPAS, MEXICO
	20	07	34	40.2	17.043	N	62.157	W	106		4.6	0.6	28	LEEWARD ISLANDS
	20	07	38	36.2&	62.108	N	150.848	W	65				30	CENTRAL ALASKA. <AGS-P>.
	20	10	09	07.8	29.869	N	51.585	E	16	*	4.9	1.0	101	SOUTHERN IRAN
	20	11	05	26.4*	34.841	N	45.359	E	67	*	4.5	1.1	10	IRAN-IRAQ BORDER REGION
	20	11	13	45.0	34.730	N	140.822	E	60		5.0	1.3	88	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Tateyomo and Ajira.
	20	12	31	47.5	32.582	N	93.012	E	33	N	5.0	1.1	89	TIBET
	20	12	39	31.6*	37.483	N	20.020	E	10	G	4.3	1.2	15	IONIAN SEA. ML 3.7 (ATH).
	20	12	47	43.9&	58.658	N	136.282	W	15				15	SOUTHEASTERN ALASKA. <AGS-P>.
	20	13	04	15.2	32.651	N	93.118	E	33	N	5.1	1.1	99	TIBET
	20	13	08	07.2%	60.290	N	5.484	E	0	G		0.7	7	SOUTHERN NORWAY. MD 1.6 (BER). Probable explasion.
a	20	13	14	24.9	16.265	S	167.549	E	60	*	5.7	1.3	159	VANUATU ISLANDS
	20	14	19	38.3*	27.265	S	176.569	W	33	N	4.6 4.9	1.3	13	KERMADEC ISLANDS REGION
	20	14	30	25.1?	28.05	S	176.39	W	33	N	4.3	0.7	5	KERMADEC ISLANDS REGION
	20	14	32	10.2?	58.63	N	6.20	E	10	G		0.5	7	SOUTHERN NORWAY. MD 1.9 (BER).
	20	15	00	29.1	48.164	N	27.747	W	10	G	4.7 4.5	1.1	88	NORTH ATLANTIC RIDGE
	20	17	27	15.0	37.551	N	20.469	E	45	*	4.4	0.8	27	IONIAN SEA
	20	18	30	40.1	39.856	N	23.980	E	8			0.9	23	AEGEAN SEA. ML 3.4 (ATH).
	20	18	59	44.2?	3.47	S	101.56	E	33	N	4.2	1.7	6	SOUTHERN SUMATERA
	20	19	54	05.6	55.892	S	27.338	W	90	D	5.6	1.0	21	SOUTH SANDWICH ISLANDS REGION
	20	20	08	01.6	29.983	N	51.643	E	32		5.2 4.1	0.9	195	SOUTHERN IRAN
	20	21	40	49.7	35.213	N	111.113	E	10	G	4.4	1.1	17	EASTERN CHINA
	20	22	05	41.6*	18.874	N	121.628	E	33	N	4.1	1.0	7	LUZON, PHILIPPINE ISLANDS
	20	22	39	30.1%	35.300	N	110.870	E	10	G		1.4	9	EASTERN CHINA. MG 3.3 (BJI).
	20	22	49	42.3*	10.070	S	120.661	E	33	N	4.3	1.3	7	SUMBA ISLAND REGION
	20	23	04	06.9	42.905	N	18.180	E	10	G	3.0	1.5	31	YUGOSLAVIA. MD 4.1 (TRI), ML 3.5 (TTG). Felt (IV) at Bileca and (III) at Dubravnik.
	21	00	41	58.9	30.718	S	71.418	W	78	*	4.3	1.0	22	NEAR COAST OF CENTRAL CHILE

21	00	50	36.1?	3.43	S	134.40	E	33	N	4.4	1.4	8	WEST IRIAN REGION
21	02	13	50.4&	32.490	N	119.530	W	6	G			9	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
21	02	28	48.6?	9.93	S	150.52	E	33	N	3.5	1.4	6	EAST PAPUA NEW GUINEA REGION
21	02	34	24.7?	22.05	S	179.96	E	584	?	4.6	1.4	10	SOUTH OF FIJI ISLANDS
21	02	41	24.7*	23.535	S	175.939	W	33	N	4.8	0.9	14	TONGA ISLANDS REGION
21	02	50	40.8	38.937	N	25.683	E	10	G		1.1	13	AEGEAN SEA. ML 3.4 (ATH).
21	03	37	25.6	19.171	N	73.255	W	10	G	4.2	1.0	13	HAITI REGION
21	04	43	55.3*	15.862	S	179.915	E	13			1.2	13	FIJI ISLANDS
21	05	19	13.9?	16.24	S	75.33	W	33	N		1.4	11	OFF COAST OF PERU
21	05	57	37.9?	6.59	S	149.50	E	33	N	4.2	1.4	7	NEW BRITAIN REGION
21	06	07	40.4?	8.43	S	129.76	E	191	?	3.8	0.7	5	TIMOR SEA
21	06	49	07.3?	59.46	S	148.09	E	10	G	4.5 4.6	0.8	8	WEST OF MACQUARIE ISLAND
21	07	31	39.1?	34.70	N	139.25	E	10	G		1.6	5	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Tateyama.
21	07	41	44.3	34.622	N	139.382	E	10	G	4.3	0.8	14	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Ajiro and (I JMA) at Yokohama.
21	08	07	14.9*	34.641	N	139.332	E	10	G		1.3	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Yokohama.
21	08	08	42.6%	40.904	N	28.669	E	10	G		0.7	5	TURKEY
21	08	09	04.1	34.748	N	139.492	E	10	G	4.4	1.3	26	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Ajiro, Tateyama and Yokohama; (I JMA) at Kumagaya.
21	08	09	46.0	34.560	N	139.368	E	10	G	5.0 5.1	1.1	36	NEAR S. COAST OF HONSHU, JAPAN
21	08	12	40.7	34.696	N	139.325	E	10	G	5.0	1.2	46	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Tokyo.
21	08	27	21.4	34.628	N	139.206	E	10	G	4.5	1.1	20	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Tateyama and (I JMA) at Ajiro, Tokyo and Yokohama.
21	08	55	22.6	34.676	N	139.244	E	10	G	4.1	0.4	8	NEAR S. COAST OF HONSHU, JAPAN
21	09	02	23.2	39.431	N	28.357	E	10	G		0.8	8	TURKEY
21	09	04	34.2	27.662	N	66.625	E	33	N	4.8	0.6	41	PAKISTAN. Felt at Khuzdar.
21	09	32	58.3*	34.544	N	139.272	E	10	G	4.1	0.7	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
21	09	45	26.0*	34.915	N	139.335	E	10	G		0.9	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
21	09	55	02.2*	42.082	N	24.531	E	10	G		0.5	5	BULGARIA
21	10	04	00.1*	34.613	N	139.356	E	10	G	4.2	0.7	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro and Yokohama.
21	10	30	28.2	34.670	N	139.328	E	10	G	4.4	1.3	14	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Yokohama and (I JMA) at Ajiro.
21	10	38	12.5*	34.474	N	139.316	E	10	G	4.7	1.2	8	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
21	11	13	54.3*	41.906	N	20.317	E	10	G		0.6	8	ALBANIA. ML 2.3 (TTG).
21	11	17	44.6	34.686	N	139.242	E	10	G	4.1	1.3	10	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Tateyama and Yokohama.
21	11	42	07.7	34.569	N	139.389	E	10	G	4.1	0.7	9	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Tateyama and (I JMA) at Tokyo and Yokohama.
21	12	13	18.8*	37.984	N	106.334	E	33	N	4.1	1.2	7	NORTHERN CHINA
21	12	56	28.3*	9.304	S	123.355	E	137	*	4.7	1.3	16	TIMOR
21	12	59	13.8*	14.841	S	174.012	W	33	N	4.6	1.0	8	SAMOA ISLANDS REGION
21	14	04	50.2*	34.845	N	139.016	E	10	G	4.0	1.8	5	NEAR S. COAST OF HONSHU, JAPAN
21	14	08	42.8*	34.567	N	139.287	E	10	G	3.9	0.7	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Tateyama.
21	14	09	58.6	48.013	N	7.100	E	10	G		0.3	6	FRANCE. ML 2.1 (LDG).
21	15	47	39.9?	8.75	S	159.86	E	33	N	3.5	0.2	5	SOLOMON ISLANDS
21	16	07	10.9*	3.655	S	144.638	E	33	N	3.7	1.2	8	NEAR N COAST OF PAPUA NEW GUINEA
21	16	19	02.5*	34.644	N	139.311	E	8	*	4.6	0.8	9	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
21	16	24	51.3	26.209	S	72.529	W	10	G	5.2	1.2	23	OFF COAST OF NORTHERN CHILE
21	17	00	04.8*	7.111	S	106.516	E	118	?	4.1	0.5	6	JAVA
21	17	18	29.1?	7.15	S	122.75	E	572	?	4.6	0.6	8	FLORES SEA
21	19	52	53.8?	4.39	S	132.00	E	33	N	4.3	1.3	5	WEST IRIAN REGION
21	21	44	03.6*	14.812	S	167.587	E	122	?	4.3	0.9	15	VANUATU ISLANDS
21	22	05	33.3*	34.953	N	139.285	E	10	G		1.2	5	NEAR S. COAST OF HONSHU, JAPAN
21	22	59	13.3	34.393	N	139.495	E	10	G	4.4	1.0	19	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Tateyama and (I JMA) at Ajiro.
21	23	13	19.5%	45.154	N	6.034	E	10	G		0.9	8	FRANCE. ML 2.6 (LDG).
21	23	14	42.2*	48.181	N	0.871	W	10	G		0.4	9	FRANCE. ML 3.0 (LDG).
21	23	15	59.5*	24.981	S	69.118	W	144	*		0.5	6	NORTHERN CHILE
21	23	33	01.7&	40.372	N	124.443	W	15		5.3 5.1		167	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 5.1 (BRK). Mo=6.1*10**23 (BRK). Slight damage (VI) at Carlotta, Honeydew, Hydesville, Fortuna, Petralia, Rio Dell and Scotia. Felt (V) at Arcata, Alderpoint, Blocksburg, Fields Landing, Loleta, Miranda, Phillipsville, Redcrest, Redway and Weott. Felt in Humboldt, Mendocino and Trinity Counties.
21	23	34	18.0&	40.367	N	124.450	W	15	G	5.1		71	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 5.1 (BRK). Mo=4.6*10**23 (BRK). Hypocenter assumed from first event, origin time determined from comparison of available arrival times. Felt at Arcata, Honeydew, Kneeland, Miranda, Rio Dell and Samoa.
22	00	05	23.8&	40.468	N	124.573	W	19				8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK).
22	00	17	59.2?	34.82	N	139.25	E	10	G		0.5	4	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
22	00	41	21.0	34.483	N	139.487	E	10	G	4.5	0.9	20	NEAR S. COAST OF HONSHU, JAPAN
a 22	00	41	42.9	34.438	N	139.520	E	9		5.8 5.8	1.1	288	NEAR S. COAST OF HONSHU, JAPAN. Felt (IV JMA) on Oshima and Miyake-jima and at Tateyama; (III JMA) at Ajiro, Kofu, Tokyo, and Yokohama; (II JMA) at Chiba, Mito, Shizuoka and Utsunamiya; (I JMA) at Nagano and Sendai and on Hachijo-jima. Eruption of Mt. Mihara.
22	00	57	51.9&	40.463	N	124.512	W	17	G			5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
22	01	29	56.2&	40.372	N	124.532	W	15				6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
22	02	27	51.6	38.811	N	122.376	W	5	G		1.1	9	NORTHERN CALIFORNIA. ML 2.6 (BRK).
22	02	46	48.4*	34.709	N	139.288	E	10	G		0.5	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Tateyama.
22	03	17	59.1&	40.378	N	124.422	W	18				18	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.8 (BRK). Mo=1.5*10**22 (BRK).
22	03	27	03.6?	33.05	S	71.49	W	33	N		1.5	9	NEAR COAST OF CENTRAL CHILE
22	03	50	02.7	5.065	S	153.716	E	87		5.0	1.0	57	NEW IRELAND REGION
22	04	30	47.1%	16.917	N	60.998	W	30	*		0.2	7	LEEWARD ISLANDS. ML 3.0 (FDF).
22	06	14	03.3	56.140	S	27.142	W	151	?	5.1	1.0	33	SOUTH SANDWICH ISLANDS REGION

	22	06 44 09.0?	31.31	S	68.59	W	113 ?			1.6	5	SAN JUAN PROVINCE, ARGENTINA
	22	08 04 44.7?	14.73	S	170.01	E	649 ?	3.8		0.9	10	VANUATU ISLANDS REGION
	22	08 42 23.0%	40.217	N	23.340	E	10 G			0.5	8	GREECE
	22	09 52 39.1%	44.127	N	5.901	E	10 G			0.3	6	FRANCE. ML 2.9 (LDG).
	22	10 50 59.2?	34.74	N	139.27	E	10 G			0.9	5	NEAR S. COAST OF HONSHU, JAPAN
	22	11 39 28.2*	7.223	S	108.457	E	145 *	4.3		0.6	13	JAVA
	22	13 07 05.4*	25.170	N	94.774	E	86 ?	4.5		1.0	10	BURMA-INDIA BORDER REGION
	22	13 19 09.4*	34.479	N	139.396	E	10 G	4.0		0.6	6	NEAR S. COAST OF HONSHU, JAPAN
	22	13 40 12.5%	39.071	N	27.627	E	10 G			0.5	5	TURKEY
	22	13 58 02.7?	6.43	S	146.67	E	79 ?	3.5		0.7	6	EAST PAPUA NEW GUINEA REGION
	22	14 03 44.9%	16.184	N	61.535	W	33 N			1.2	5	LEEWARD ISLANDS. ML 1.7 (FDF).
	22	14 11 38.5?	39.93	N	24.86	E	10 G			1.0	5	AEGEAN SEA
	22	14 12 15.3?	5.84	S	147.03	E	187 *	4.3		1.0	8	EAST PAPUA NEW GUINEA REGION
	22	14 55 23.9	36.430	N	71.123	E	102 *	4.8		1.2	17	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Kharog, USSR.
	22	15 00 27.9	0.014	S	79.854	W	33 N	4.9	4.2	1.2	37	ECUADOR
a	22	15 33 15.5	3.105	S	139.875	E	12	5.2	5.0	1.2	85	WEST IRIAN
	22	16 28 45.8	40.194	N	25.125	E	10 G			1.0	20	AEGEAN SEA. ML 3.7 (ATH).
	22	17 08 38.1	15.268	S	167.354	E	158	5.8		1.2	173	VANUATU ISLANDS
	22	17 41 50.1	62.988	N	151.359	W	33 N			0.7	8	CENTRAL ALASKA. ML 3.3 (PMR).
	22	17 49 08.5	40.214	N	25.185	E	14			0.7	21	AEGEAN SEA. ML 3.8 (ATH).
	22	18 04 36.8*	24.518	N	98.609	E	33 N	3.9		1.3	7	BURMA-CHINA BORDER REGION
	22	18 36 57.3&	36.120	N	119.970	W	6 G				12	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.2 (BRK).
	22	18 45 59.0*	23.418	S	179.922	E	569 ?	4.7		1.0	14	SOUTH OF FIJI ISLANDS
	22	19 17 23.2*	39.124	N	27.777	E	10 G			1.2	5	TURKEY
	22	20 59 56.0	32.192	N	94.590	E	33 N	5.0		1.3	50	TIBET
	22	21 07 58.5*	23.792	S	66.659	W	221			1.2	13	JUJUY PROVINCE, ARGENTINA
	22	22 11 23.8&	60.227	N	153.230	W	133				14	SOUTHERN ALASKA. <AGS-P>.
	22	22 17 14.4&	60.131	N	153.106	W	115				18	SOUTHERN ALASKA. <AGS-P>.
	22	22 31 25.2	36.112	N	119.945	W	5 G			0.7	9	CENTRAL CALIFORNIA. ML 2.6 (BRK).
	22	22 40 06.7*	38.040	N	20.014	E	10 G			1.3	12	GREECE. ML 3.7 (ATH).
	22	22 40 28.1	34.596	N	139.243	E	10 G			0.8	10	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro, Mishima and Tateyama.
	22	23 13 24.9*	38.504	N	25.056	E	10 G			1.4	5	AEGEAN SEA. ML 3.1 (ATH).
	22	23 14 01.0?	4.93	S	101.84	E	33 N			1.4	11	SOUTHERN SUMATERA
	22	23 17 09.8*	39.465	N	28.963	E	10 G			1.0	5	TURKEY
	22	23 17 57.8*	37.125	N	30.618	E	10 G			0.8	7	TURKEY
	23	01 21 48.2&	40.370	N	124.528	W	17				9	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK).
f	23	01 39 23.9	3.342	S	77.411	W	106 G	6.4		0.9	392	PERU-ECUADOR BORDER REGION. Felt (IV) at Chachapoyas, Chiclaya and Piura, Peru. Felt in large parts of northern Peru and as far south as Huancaya and Mala. Also felt at Guayaquil, Ecuador and Cali, Colombia. Depth from broadband displacement seismagrams.
	23	02 08 55.9&	34.100	N	120.850	W	6 G				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	23	02 49 01.4	64.658	N	17.318	W	10 G	5.2		1.1	147	ICELAND
	23	02 50 11.0	39.409	N	28.289	E	10 G			0.9	7	TURKEY
	23	03 30 32.2*	73.737	N	9.076	E	10 G	4.7		1.0	12	GREENLAND SEA
	23	03 39 07.8?	22.25	S	179.51	E	610 ?	4.7		0.8	10	SOUTH OF FIJI ISLANDS
	23	03 39 08.2*	34.532	N	139.422	E	10 G			0.5	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Tateyama and (I JMA) at Ajira and Yokohama.
	23	04 28 04.1	44.833	N	6.660	E	8			0.5	34	FRANCE. ML 3.4 (LDG).
	23	04 34 33.2	43.094	N	25.942	E	10 G			1.0	9	BULGARIA
	23	04 52 42.8*	33.546	S	72.458	W	33 N			0.8	15	OFF COAST OF CENTRAL CHILE
	23	05 11 02.8?	40.55	N	30.48	E	10 G			1.1	5	TURKEY
	23	05 41 06.9&	40.375	N	124.482	W	18	4.0			24	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 4.1 (BRK). Mo=3.1*10**22 (BRK). Felt (III) at Rio Dell.
	23	06 04 04.5	10.301	S	161.403	E	93	4.5		1.0	28	SOLOMON ISLANDS
	23	06 12 48.6%	40.656	N	22.375	E	10 G			0.6	5	GREECE
	23	06 38 21.1?	17.08	N	84.85	W	10 G	4.6		0.5	10	CARIBBEAN SEA
	23	07 13 42.6%	16.802	N	61.730	W	33 N			1.2	7	LEEWARD ISLANDS. ML 3.0 (FDF).
	23	09 13 37.7&	40.405	N	124.335	W	18				9	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	23	11 48 24.1?	7.03	S	125.20	E	527 ?	4.7		1.4	11	BANDA SEA
	23	13 48 20.6*	36.346	N	21.932	E	33 N			1.0	11	SOUTHERN GREECE. ML 3.9 (ATH).
	23	14 21 59.1	5.829	S	128.832	E	277 *	5.1		0.9	47	BANDA SEA
	23	16 00 42.5*	40.264	N	124.367	W	10 G			0.6	7	NEAR COAST OF NORTHERN CALIF. ML 2.9 (BRK).
	23	16 30 05.3*	0.247	S	78.481	W	33 N	5.3		1.2	6	ECUADOR
	23	16 46 08.3?	42.80	N	143.17	E	133 *	4.2		1.0	7	HOKKAIDO, JAPAN REGION
	23	16 54 38.4	32.045	S	70.303	W	106	5.1		0.9	80	CHILE-ARGENTINA BORDER REGION. Felt (II) at Santiago, Chile.
	23	17 32 39.5	13.176	S	167.185	E	192 D	5.0		1.0	75	VANUATU ISLANDS
	23	17 35 24.4*	22.703	S	66.491	W	215 *			0.7	8	JUJUY PROVINCE, ARGENTINA
	23	18 56 38.8?	23.44	S	179.54	W	592 *	4.7		0.8	13	SOUTH OF FIJI ISLANDS
	23	18 59 35.4*	46.174	N	10.864	E	10 G			1.4	10	NORTHERN ITALY. ML 2.5 (KBA).
	23	19 09 28.1*	3.745	S	122.065	E	33 N	4.9		1.5	14	SULAWESI
	23	19 34 03.4&	61.394	N	150.374	W	47				29	SOUTHERN ALASKA. <AGS-P>.
	23	21 29 38.8&	40.956	N	74.820	W	7				9	NEW JERSEY. <PAL-P>. CL 2.8 (PAL). Felt in parts af Sussex and Warren Counties.
	23	22 13 52.1*	33.306	S	70.983	W	76 ?			0.1	9	CHILE-ARGENTINA BORDER REGION
	23	23 25 42.4	34.469	N	139.458	E	10 G	4.0		0.6	9	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Tateyama and (I JMA) at Ajira.
	24	00 45 11.8*	34.512	N	139.426	E	10 G	4.2		1.0	7	NEAR S. COAST OF HONSHU, JAPAN
	24	01 14 15.8?	61.49	N	4.09	E	10 G			1.4	6	SOUTHERN NORWAY. MD 2.3 (BER).
	24	03 29 24.6*	23.890	N	122.748	E	33 N	4.3		1.1	15	TAIWAN REGION
	24	04 06 15.1*	24.514	N	123.501	E	26 *	4.7		0.8	8	SOUTHWESTERN RYUKYU ISLANDS
	24	04 31 09.7*	41.696	N	19.477	E	10 G			1.4	11	ALBANIA. ML 2.8 (TTG).
	24	04 31 48.6&	36.120	N	119.950	W	6 G				16	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.2 (BRK).
	24	04 39 52.8*	23.915	N	121.892	E	30 *	4.3		1.5	20	TAIWAN
	24	06 31 50.1	44.650	N	111.086	W	5 G			0.6	8	HEBGEN LAKE REGION. ML 3.2 (NEIS). Felt (IV) at Madison Junction and (II) at Old Faithful, Yellowstane National Park. Felt (III) at West Yellowstane, Montana.
	24	08 08 05.8?	6.76	S	105.56	E	33 N	4.2		0.5	7	SUNDA STRAIT
	24	09 18 28.8?	40.50	N	32.39	E	10 ?			1.0	5	TURKEY
	24	09 50 30.4	18.391	N	63.320	W	81 ?	4.8		0.5	11	LEEWARD ISLANDS. Felt on St. Barthelemy.

	24	10	25	34.4*	13.796	N	144.883	E	125		4.7		1.2	31	MARIANA ISLANDS. Felt (III) on Guam.
	24	11	29	27.3	51.734	N	178.349	E	78	D	5.0		0.9	84	RAT ISLANDS, ALEUTIAN ISLANDS
	24	13	39	12.3*	24.256	N	121.894	E	33	N	3.9		1.4	9	TAIWAN
	24	14	51	53.0*	23.933	N	121.932	E	33	N	4.0		1.4	14	TAIWAN
	24	14	57	02.1	14.968	N	94.088	W	33	N	4.7		0.8	20	OFF COAST OF CHIAPAS, MEXICO
	24	15	08	01.3&	36.597	N	121.242	W	4					18	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	24	16	01	02.9	1.814	N	126.609	E	48	*	5.1	3.9	1.1	98	MOLUCCA PASSAGE
	24	16	53	10.7*	6.972	S	106.191	E	86	*	4.6		1.0	14	JAVA
	24	18	15	25.1&	34.370	N	116.380	W	3					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	24	18	27	10.4	41.278	N	22.721	E	10	G			0.1	6	YUGOSLAVIA. ML 1.0 (SKO).
	24	18	33	54.1	41.275	N	22.722	E	10	G			0.3	6	YUGOSLAVIA. ML 1.0 (SKO).
	24	18	48	31.1?	37.54	N	21.42	E	10	G			0.4	5	SOUTHERN GREECE. ML 3.2 (ATH).
	24	19	19	09.7*	5.353	S	153.532	E	59	*	4.3		1.1	9	NEW IRELAND REGION
	24	19	48	05.9%	45.921	N	3.229	E	10	G			0.6	7	FRANCE. ML 1.7 (LDG).
	24	23	35	44.7?	31.19	S	71.85	W	33	N			1.3	12	NEAR COAST OF CENTRAL CHILE
	25	00	58	07.5*	27.243	S	176.668	W	33	N	5.1		1.1	19	KERMADEC ISLANDS REGION
	25	01	23	10.3*	38.437	N	21.906	E	10	G			1.3	7	GREECE. ML 3.2 (ATH).
	25	02	14	06.9?	16.94	N	61.33	W	33	N			0.3	6	LEEWARD ISLANDS. ML 2.6 (FDF).
	25	02	31	46.8?	39.47	N	28.36	E	10	G			1.1	5	TURKEY
	25	02	47	40.4&	59.138	N	153.965	W	119					27	SOUTHERN ALASKA. <AGS-P>.
	25	03	49	44.1*	37.187	N	71.801	E	141	*	4.7		1.2	16	AFGHANISTAN-USSR BORDER REGION
	25	05	01	06.7*	49.047	N	6.713	E	10	G			0.7	6	GERMANY
	25	05	31	22.9*	39.652	N	28.653	E	21	*			0.8	8	TURKEY
	25	06	27	58.2%	39.430	N	28.421	E	10	G			0.9	8	TURKEY
	25	06	44	43.1	34.333	N	139.582	E	10	G	4.2		0.6	9	NEAR S. COAST OF HONSHU, JAPAN
	25	07	09	12.1	34.354	N	139.494	E	10	G	4.1		0.8	9	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Tateyama.
	25	08	20	58.5*	6.087	S	145.508	E	89	*	4.6		0.9	7	PAPUA NEW GUINEA
	25	10	49	31.7*	0.278	N	122.198	E	221	?	4.6		0.6	11	MINAHASSA PENINSULA
	25	10	50	23.2%	41.424	N	29.181	E	10	G			0.3	6	TURKEY
	25	10	51	20.0%	41.415	N	29.154	E	10	G			0.3	6	TURKEY
	25	10	52	28.1%	41.469	N	29.142	E	10	G			0.4	5	TURKEY
	25	10	57	38.6	38.880	N	25.646	E	29		4.3		0.7	39	AEGEAN SEA. ML 3.8 (ATH).
	25	11	37	58.8&	60.110	N	152.851	W	91					27	SOUTHERN ALASKA. <AGS-P>.
	25	12	21	18.7*	29.648	S	69.621	W	33	N			1.2	12	CHILE-ARGENTINA BORDER REGION
	25	13	00	04.9*	41.790	N	19.587	E	10	G			1.0	12	ALBANIA. ML 2.5 (TTG).
	25	13	12	45.7?	5.83	S	147.38	E	44	?	3.3		1.1	7	EAST PAPUA NEW GUINEA REGION
	25	13	14	49.7?	61.12	N	9.17	E	10	G			0.4	5	SOUTHERN NORWAY. MD 2.0 (BER).
	25	13	15	57.6	38.968	N	25.716	E	11				1.0	12	AEGEAN SEA. ML 3.2 (ATH).
	25	13	46	35.8?	38.88	N	25.38	E	10	G			1.2	8	AEGEAN SEA. ML 3.1 (ATH).
a	25	13	59	42.3	44.120	N	16.339	E	30		5.3	5.5	1.2	273	YUGOSLAVIA. ML 5.5 (TRI), MD 5.5 (TTG). At least 12 people injured, damage (VIII) and landslides in the Knin-Grahovo area. Felt strongly in many parts of western Yugoslavia. Felt (IV) at Trieste, Udine and Venice, Italy and (III) in the Graz-Klagenfurt area, Austria. Also felt at Naples, Italy.
	25	14	00	49.6*	32.634	S	71.677	W	33				1.1	13	NEAR COAST OF CENTRAL CHILE
	25	14	55	23.7*	44.198	N	16.043	E	10	G			0.8	9	YUGOSLAVIA. ML 3.8 (TRI).
	25	16	44	19.2&	61.408	N	150.371	W	16					37	SOUTHERN ALASKA. <AGS-P>. ML 3.5 (PMR).
	25	16	50	06.3%	46.072	N	3.131	E	10	G			0.5	8	FRANCE. ML 1.6 (LDG).
	25	16	54	59.2&	59.926	N	152.854	W	88					25	SOUTHERN ALASKA. <AGS-P>.
	25	17	34	00.1?	39.54	N	28.47	E	10	G			0.9	6	TURKEY
	25	18	20	12.1	44.260	N	16.253	E	10	G			1.4	16	YUGOSLAVIA. ML 3.4 (TRI), 3.2 (KBA), 3.2 (TTG).
	25	20	36	25.8	39.343	N	28.975	E	10	G			0.8	6	TURKEY
	25	20	45	24.6*	44.651	N	110.984	W	5	G			0.3	6	YELLOWSTONE NATIONAL PARK, WYO. ML 3.5 (NEIS). Felt (IV) at West Yellowstone, Montana. Felt (III) at Madison Junction, Yellowstone National Park.
	26	00	13	10.1&	42.486	N	111.260	W	1					6	EASTERN IDAHO. <SLC-P>. ML 3.5 (SLC).
	26	00	46	30.4?	33.44	S	179.47	W	33	N	4.4		0.9	7	SOUTH OF KERMADEC ISLANDS
	26	00	50	12.5	44.140	N	16.599	E	10	G			1.1	31	YUGOSLAVIA. ML 3.6 (KBA), 3.4 (TRI), 3.4 (TTG).
	26	01	41	07.7	44.108	N	16.287	E	10	G			1.2	26	YUGOSLAVIA. ML 3.7 (TRI), 3.6 (KBA). MD 3.3 (TTG).
	26	01	44	52.2*	13.553	N	120.901	E	144	*	4.0		0.9	13	MINDORO, PHILIPPINE ISLANDS
	26	02	29	02.6*	43.974	N	16.197	E	10	G			0.8	6	YUGOSLAVIA. ML 3.4 (TRI).
	26	03	39	22.8	39.097	N	115.621	W	5	G			0.3	8	NEVADA. ML 3.2 (NEIS).
	26	04	11	20.9*	1.656	N	126.569	E	61	?	4.7		1.4	11	MOLUCCA PASSAGE
	26	04	42	32.4	33.196	N	140.347	E	77		5.2		0.9	76	SOUTH OF HONSHU, JAPAN. Felt (III JMA) on Hachija-jima and (I JMA) at Tateyama.
	26	06	53	18.4	18.756	N	102.322	W	72	D	4.9		1.3	79	MICHOACAN, MEXICO
	26	07	45	15.3*	24.270	S	67.235	W	192	*			0.8	8	CHILE-ARGENTINA BORDER REGION
	26	08	00	39.3	38.419	N	25.113	E	10	G			0.9	15	AEGEAN SEA. ML 3.4 (ATH).
	26	08	22	15.2&	40.333	N	124.510	W	17					16	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	26	09	24	42.9%	60.702	N	5.620	E	0	G			0.4	5	SOUTHERN NORWAY. MD 1.7 (BER). Probable explosion.
	26	09	49	44.2	24.215	N	121.858	E	33		4.8	4.5	1.2	70	TAIWAN
	26	11	21	06.1*	41.220	N	19.587	E	10	G			0.6	9	ALBANIA. ML 2.7 (TTG).
	26	11	26	29.6*	4.799	S	152.939	E	54	?	4.3		1.4	9	NEW BRITAIN REGION
	26	14	24	55.1?	39.38	N	28.36	E	10	G			0.9	5	TURKEY
	26	14	47	55.7	12.969	N	59.882	W	26				0.6	15	WINDWARD ISLANDS. ML 4.3 (FDF).
	26	15	51	54.1	21.655	N	121.641	E	103	*	4.3		1.0	25	TAIWAN REGION
	26	16	18	53.4*	39.361	N	28.953	E	10	G			1.4	9	TURKEY
	26	18	59	09.0	9.301	N	126.699	E	37	*	4.9	4.0	1.0	22	MINDANAO, PHILIPPINE ISLANDS
	26	19	30	48.3%	16.933	N	61.879	W	10	G			0.9	7	LEEWARD ISLANDS. ML 3.4 (FDF).
	26	20	53	38.6&	34.957	N	97.526	W	5	G				4	OKLAHOMA. <TUL>. mbLg 1.8 (TUL).
	26	21	02	35.0?	45.89	N	3.29	E	10	G			0.5	5	FRANCE. ML 1.5 (LDG).
	26	21	04	43.4&	61.774	N	150.887	W	62					35	SOUTHERN ALASKA. <AGS-P>. Felt (IV) at Skwentna.
	26	22	16	56.5&	35.125	N	97.541	W	5	G				4	OKLAHOMA. <TUL>. mbLg 1.9 (TUL).
	26	22	28	06.2?	41.55	N	16.83	E	10	G			1.0	9	SOUTHERN ITALY
	26	23	08	39.7	35.940	N	30.755	E	66		4.1		0.9	29	EASTERN MEDITERRANEAN SEA
	26	23	34	27.4	31.598	S	69.531	W	127				0.7	15	SAN JUAN PROVINCE, ARGENTINA
	27	00	24	45.9	9.617	S	107.857	E	33	N	4.7		1.0	41	SOUTH OF JAVA
	27	00	30	07.6*	2.478	N	127.585	E	62	*	4.8		1.1	24	MOLUCCA PASSAGE
	27	01	43	49.9*	5.312	S	102.287	E	33	N	4.1		1.1	14	SOUTHERN SUMATERA
a	27	03	28	59.5	42.405	N	144.531	E	46		5.4	4.9	0.9	190	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hirao, Kushiro and Obihira; (I JMA) at Urakawa.

	27	05 57 52.7	46.350	N	0.787	W	30				0.6	17	FRANCE. ML 3.3 (LDG).
	27	06 12 15.9&	35.158	N	97.671	W	5	G				3	OKLAHOMA. <TUL>. mbLg 1.8 (TUL).
	27	10 12 22.0*	39.290	N	28.171	E	10	G			1.5	6	TURKEY
	27	10 22 52.0*	18.408	N	145.787	E	160	G	4.5		1.3	27	MARIANA ISLANDS
	27	10 23 25.5*	15.180	N	144.057	E	236	*	5.1		1.4	36	MARIANA ISLANDS REGION
	27	10 29 32.0	21.680	S	69.451	W	53		4.8		1.2	39	NORTHERN CHILE
	27	10 32 17.1&	61.200	N	149.867	W	42					26	SOUTHERN ALASKA. <AGS-P>.
	27	11 34 41.5*	24.174	S	66.965	W	199	*			1.3	11	SALTA PROVINCE, ARGENTINA
a	27	11 37 52.9	18.179	S	178.323	W	518		5.0		1.0	59	FIJI ISLANDS REGION
	27	12 10 31.2	44.057	N	16.215	E	10	G	4.2		1.3	84	YUGOSLAVIA. ML 4.4 (KBA), 4.4 (SKO). MD 4.5 (TTG), 4.3 (TRI). Same additional damage (VI) in the Knin area.
	27	12 45 02.6%	60.298	N	5.481	E	0	G			0.7	7	SOUTHERN NORWAY. MD 1.5 (BER). Probable explosion.
	27	14 30 17.4	44.091	N	16.229	E	10	G			1.2	29	YUGOSLAVIA. ML 3.6 (TRI).
	27	14 38 38.0*	41.162	N	22.767	E	10	G			1.3	5	YUGOSLAVIA. ML 1.8 (SKO).
	27	15 15 58.6	36.461	N	13.505	E	10	G	4.3		1.0	14	MEDITERRANEAN SEA
	27	15 53 39.5?	9.92	S	117.55	E	33	N	3.3		0.9	5	SUMBAWA ISLAND REGION
	27	17 41 14.1	50.079	N	19.232	E	10	G			0.6	6	POLAND. ML 3.0 (KRA).
	27	17 49 53.8	35.486	N	9.758	E	10	G	4.3		0.8	16	TUNISIA
	27	19 03 45.6?	1.81	N	126.41	E	95	?	4.4		1.6	8	MOLUCCA PASSAGE
	27	19 29 26.0%	46.009	N	1.480	E	10	G			0.8	10	FRANCE. ML 2.2 (LDG).
	27	19 39 04.6?	34.28	N	139.42	E	10	G			0.9	6	NEAR S. COAST OF HONSHU, JAPAN
	27	19 45 40.9?	24.71	S	179.75	E	554	*	4.1		0.8	8	SOUTH OF FIJI ISLANDS
	27	19 47 54.8%	60.700	N	5.608	E	0	G			0.3	5	SOUTHERN NORWAY. MD 1.5 (BER). Probable explosion.
	27	21 40 42.4	23.948	N	122.529	E	29		5.0		1.2	38	TAIWAN REGION
	27	23 04 34.5%	40.829	N	29.084	E	15	*			0.6	9	TURKEY
	28	00 04 42.4*	31.231	S	67.839	W	33	N			1.3	5	SAN JUAN PROVINCE, ARGENTINA
	28	00 55 00.8	10.531	S	13.206	W	10	G	5.0	4.6	1.1	42	ASCENSION ISLAND REGION
	28	03 45 57.0&	38.842	N	122.790	W	2	G				18	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	28	04 37 52.9*	18.275	S	69.423	W	167	?	4.4		1.1	9	NORTHERN CHILE
	28	09 12 04.6*	17.941	S	178.621	W	587	*	4.6		1.0	19	FIJI ISLANDS REGION
	28	09 59 35.2&	37.275	N	121.683	W	5					13	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	28	13 44 52.5*	1.961	N	126.881	E	86	*	4.8		1.1	22	MOLUCCA PASSAGE
	28	15 02 24.4*	50.515	N	5.600	E	10	G			1.0	5	BELGIUM
	28	15 31 17.6?	3.45	S	134.33	E	33	N	4.5		1.4	6	WEST IRIAN REGION
	28	15 40 53.6*	25.346	S	129.813	E	10	G			1.1	7	NORTHERN TERRITORY, AUSTRALIA
	28	15 46 02.3*	25.458	S	129.812	E	10	G			1.1	7	NORTHERN TERRITORY, AUSTRALIA
	28	17 20 57.3?	15.88	N	60.84	W	33	N			0.5	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	28	17 27 01.1*	45.545	S	76.839	W	10	G	5.2	4.5	1.2	22	OFF COAST OF SOUTHERN CHILE
	28	20 16 38.7	44.062	N	15.232	E	10	G			1.2	60	YUGOSLAVIA. ML 4.3 (LDG), 4.3 (KBA), 3.9 (TRI), 3.8 (VKA). Felt (V) at Zadar.
a	28	20 34 48.2*	45.712	S	75.655	W	33	N	4.7	4.2	0.8	17	OFF COAST OF SOUTHERN CHILE
	28	21 37 27.4	42.253	N	20.158	E	10	G			1.0	6	YUGOSLAVIA. ML 2.3 (TTG).
	28	22 06 37.7	0.239	S	125.326	E	64	*	4.8		1.3	26	MOLUCCA SEA
a	28	22 29 35.1	36.345	N	141.174	E	41	D	5.7	5.6	1.1	272	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) at Chashi and Onahama; (III JMA) at Mita, Tateyama and Utsunomiya. Felt from the Tokya-Nagano area to Mariaka.
	29	00 33 07.5	6.136	N	82.462	W	10	G	4.8	4.2	1.0	41	SOUTH OF PANAMA
	29	03 52 38.7	10.194	S	160.609	E	52	*	5.0	4.8	1.1	28	SOLOMON ISLANDS
	29	05 06 48.4%	40.568	N	29.997	E	10	G			0.6	5	TURKEY
	29	05 40 55.0?	16.89	S	175.63	W	33	N	4.6		1.2	15	TONGA ISLANDS
	29	11 21 56.7	24.806	S	63.514	W	567		4.4		0.7	34	SALTA PROVINCE, ARGENTINA
	29	11 40 51.8	26.069	N	96.939	E	33	N	4.7		0.9	38	BURMA
	29	12 45 51.2	42.348	N	19.938	E	10	G			0.5	6	YUGOSLAVIA. ML 2.3 (TTG).
	29	12 46 02.0*	7.290	N	59.506	E	10	G	4.9		0.8	18	CARLSBERG RIDGE
	29	12 53 55.0	46.273	N	8.630	E	10	G			0.9	7	SWITZERLAND
	29	13 10 42.5&	37.520	N	118.560	W	6	G				7	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	29	13 10 51.6&	37.580	N	118.480	W	6	G				5	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	29	13 30 20.5*	36.482	N	140.560	E	123	*	4.5		0.6	8	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mita, Onahama and Utsunomiya.
	29	14 58 53.3%	46.050	N	3.132	E	10	G			0.5	9	FRANCE. ML 1.9 (LDG).
	29	15 49 59.4?	49.85	S	118.46	E	10	G	4.4		0.6	7	SOUTH OF AUSTRALIA
	29	16 25 38.8	42.134	N	142.862	E	71		4.6		1.1	35	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Urakawa and (I JMA) at Obihiro.
a	29	16 54 13.7	16.252	S	173.930	W	106	D	5.3		1.0	154	TONGA ISLANDS
	29	17 05 56.9&	59.047	N	152.290	W	78					31	SOUTHERN ALASKA. <AGS-P>.
	29	17 08 52.5*	24.123	S	67.856	W	32	*			0.8	7	CHILE-ARGENTINA BORDER REGION
	29	17 50 49.7*	2.853	S	129.159	E	33	N	4.5		1.1	11	CERAM
	29	18 00 32.3	49.626	N	120.481	W	5	G			0.7	10	BRITISH COLUMBIA. ML 2.9 (PGC), 3.0 (NEIS). Felt in the area north of Princetan.
	29	18 42 18.9*	11.248	N	85.861	W	77	*	4.6		1.1	29	NICARAGUA
	29	19 17 05.9%	38.978	N	27.651	E	10	G			0.7	8	TURKEY
	29	19 22 03.4*	25.429	S	129.794	E	10	G			1.3	9	NORTHERN TERRITORY, AUSTRALIA
	29	19 26 15.5*	37.796	N	25.396	W	10	G			0.1	5	AZORES ISLANDS. Felt (II) at Furnas.
	29	19 34 40.1?	24.61	S	179.52	E	617	?	4.4		0.5	8	SOUTH OF FIJI ISLANDS
	29	20 11 20.4	23.250	S	69.381	W	87		5.2		1.5	45	NORTHERN CHILE. Felt (III) at Antofagasta.
	29	20 39 24.9	44.635	N	148.525	E	98	D	4.9		0.8	131	KURIL ISLANDS
	29	21 35 31.6*	27.995	N	140.038	E	496	*	4.6		0.5	16	BONIN ISLANDS REGION
	29	22 09 14.6	24.747	N	122.727	E	28		4.9		1.2	43	TAIWAN REGION
	29	22 50 04.1	22.559	N	121.280	E	37	*	4.9	4.2	1.3	56	TAIWAN REGION
	29	23 44 54.2*	6.896	S	129.895	E	167	?	4.6		1.2	13	BANDA SEA
	30	00 12 47.3	11.868	S	166.764	E	213	D	5.0		0.9	101	SANTA CRUZ ISLANDS
	30	01 11 05.7*	7.149	S	129.155	E	158	*	4.2		1.0	11	BANDA SEA
	30	03 00 15.6*	21.705	N	142.907	E	325	*	4.4		0.8	19	MARIANA ISLANDS REGION
	30	03 03 51.0	23.950	N	121.960	E	34		5.1	4.2	1.0	99	TAIWAN
	30	03 19 11.3	38.614	N	14.934	E	252		4.3		1.0	78	SICILY
	30	04 09 40.5?	36.36	N	141.15	E	33	N			0.7	5	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mita.
a	30	05 19 48.2	5.494	S	35.769	W	5	G	4.9	4.8	1.0	32	BRAZIL. Approximately 1,500 homes damaged in the Joao Camara area. Felt at Natal.
	30	05 29 18.4	38.767	N	27.728	E	14		3.9		0.8	39	TURKEY. ML 3.8 (ATH).
	30	08 06 53.2*	20.245	S	70.825	W	33	N			1.1	7	NEAR COAST OF NORTHERN CHILE
	30	08 13 48.2?	6.38	S	147.81	E	80	*	3.5		1.4	6	EAST PAPUA NEW GUINEA REGION
	30	08 55 38.1	21.458	S	179.346	W	606		5.0		1.0	58	FIJI ISLANDS REGION

	30	09	18	43.1	17.778	S	179.492	E	595		4.8	0.9	80	FIJI ISLANDS
	30	09	30	31.3?	2.52	N	98.96	E	165	?	3.8	0.5	5	NORTHERN SUMATERA
	30	09	41	09.1*	26.465	N	111.076	W	10	G	4.7	1.0	31	GULF OF CALIFORNIA
	30	10	29	38.2%	39.285	N	27.643	E	10	G		1.5	5	TURKEY
	30	10	31	16.9%	39.344	N	28.969	E	10	G		1.0	7	TURKEY
	30	10	34	15.8%	39.342	N	28.975	E	10	G		0.9	8	TURKEY
	30	13	58	39.9	9.352	S	157.660	E	33	N	4.9 4.8	1.3	32	SOLOMON ISLANDS
	30	15	09	05.1?	44.31	N	6.76	E	10	G		0.2	5	FRANCE. ML 3.5 (FDF).
	30	16	04	38.9	27.734	S	71.748	W	33	N	4.7	1.3	21	NEAR COAST OF NORTHERN CHILE
	30	18	37	43.0?	37.26	N	140.86	E	33	N	4.5	1.5	5	HONSHU, JAPAN
	30	19	07	50.1%	45.554	N	3.690	E	10	G		0.2	6	FRANCE. ML 2.2 (LDG).
	30	19	51	19.8?	3.46	S	134.26	E	33	N	4.4	1.5	6	WEST IRIAN REGION
	30	20	07	27.1	44.653	N	111.059	W	5	G		0.8	7	HEBGEN LAKE REGION. ML 2.9 (NEIS).
f	30	20	15	30.3	38.853	N	141.948	E	37	G	6.0 6.0	0.8	288	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) at Morioka and (I JMA) in the Tokyo area. Depth from broadband displacement seismograms.
	30	23	18	41.0	18.099	S	70.225	W	65		5.0	1.0	82	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Tacna and Arica. Felt (III) at Arequipa, Peru.
	30	23	38	06.4?	33.79	N	26.49	E	10	G	3.8	1.2	8	EASTERN MEDITERRANEAN SEA

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

01 05 02 42.49 26.902N 96.425E 26km
5.4mb (55 obs.) 5.0Msz (4 obs.)
BURMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 05:02:40.2 1.3
Lat 25.53N 0.17 Lon 96.91E 0.07
Dep 69.8 6.8 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	5.04	61	13
N	3.83	28	176
P	-8.87	7	270

Best Double Couple:Mo=7.0*10**23
NP1:Strike= 28 Dip=45 Slip= 132
NP2: 157 58 56

01 18 56 27.74 7.662S 127.822E 118km
5.5mb (31 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centraid Location:
Origin Time 18:56:32.1 0.9
Lat 7.37S 0.09 Lon 127.72E 0.05
Dep 110.7 2.8 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.90	51	338
N	-0.72	39	158
P	-3.18	0	68

Best Double Couple:Mo=3.5*10**24
NP1:Strike=125 Dip=57 Slip= 41
NP2: 10 57 139

01 20 06 07.91 4.948S 145.482E 58km
5.3mb (7 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 15C
Centroid Location:
Origin Time 20:06:10.3 0.8
Lat 4.96S FIX;Lon 145.44E FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	8.91	64	118
N	-0.06	24	271
P	-8.84	11	6

Best Double Couple:Mo=8.9*10**23
NP1:Strike=122 Dip=40 Slip= 128
NP2: 256 60 62

03 02 06 19.45 27.544S 176.232W 33km
5.4mb (11 obs.) 5.6Msz (9 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 23C
Centroid Location:
Origin Time 02:06:26.6 0.3
Lat 27.41S 0.04 Lon 176.35W 0.04
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.81	60	269
N	0.24	7	10
P	-4.06	29	104

Best Double Couple:Mo=3.9*10**24
NP1:Strike=213 Dip=17 Slip= 114
NP2: 8 75 83

03 13 52 04.03 28.516N 128.040E 200km
5.0mb (8 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 5S, 8C
Centraid Location:
Origin Time 13:51:59.4 1.8
Lat 28.46N 0.12 Lon 127.64E 0.33
Dep 218.5 8.4 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	4.23	9	79
N	-0.01	3	349
P	-4.23	80	238

Best Double Couple:Mo=4.2*10**23
NP1:Strike=173 Dip=36 Slip= -84
NP2: 346 54 -94

04 16 19 15.13 50.881N 89.269E 10km
5.3mb (58 obs.) 4.9Msz (4 obs.)
USSR-MONGOLIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 18C
Centroid Location:
Origin Time 16:19:20.2 0.6
Lat 50.32N 0.08 Lon 88.81E 0.21
Dep 15.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.59	35	110
N	-0.31	53	272
P	-2.28	8	14

Best Double Couple:Mo=2.4*10**24
NP1:Strike=145 Dip=59 Slip= 159
NP2: 246 72 32

06 00 16 39.93 18.016S 178.404W 589km
5.4mb (43 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 24C
Centroid Location:
Origin Time 00:16:47.1 0.5
Lat 17.79S 0.05 Lon 178.53W 0.06
Dep 597.1 2.7 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	5.27	17	9
N	-1.16	26	107
P	-4.12	59	249

Best Double Couple:Mo=4.7*10**24
NP1:Strike= 66 Dip=36 Slip=-137
NP2: 300 66 -62

06 02 48 23.66 9.007N 126.240E 62km
5.6mb (44 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 17C
Centraid Location:
Origin Time 02:48:23.7 0.7
Lat 9.07N 0.04 Lon 126.62E 0.06
Dep 61.4 4.1 Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	4.36	66	329
N	0.85	22	170
P	-5.21	8	77

Best Double Couple:Mo=4.8*10**24
NP1:Strike=143 Dip=42 Slip= 56
NP2: 6 56 117

06 18 27 00.18 51.469N 176.684W 33km
5.1mb (52 obs.) 5.5Msz (15 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 28C
Centraid Location:
Origin Time 18:27: 5.8 0.5
Lat 51.72N 0.03 Lon 176.32W 0.06
Dep 37.0 2.0 Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	8.32	66	312
N	0.45	6	56
P	-8.77	23	148

Best Double Couple:Mo=8.5*10**24
NP1:Strike=250 Dip=23 Slip= 105
NP2: 54 68 84

07 14 43 50.88 14.083S 69.165E 10km
5.0mb (22 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 13C
Centraid Location:
Origin Time 14:44: 1.5 1.8
Lat 13.75S 0.19 Lon 69.48E 0.13
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	3.52	0	196
N	-0.32	90	180
P	-3.20	0	106

Best Double Couple:Mo=3.4*10**23
NP1:Strike=241 Dip=90 Slip= 180
NP2: 331 90 0

07 19 48 58.88 28.591S 176.407W 33km
5.7mb (24 obs.) 6.3Msz (18 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 19:49:10.7 0.4
Lat 28.23S 0.03 Lon 176.81W 0.04
Dep 15.0 FIX Half-duration 4.3
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	1.76	63	269
N	0.31	6	12
P	-2.07	26	105

Best Double Couple:Mo=1.9*10**25
NP1:Strike=210 Dip=20 Slip= 109
NP2: 10 71 83

08 00 09 25.73 28.426S 176.562W 33km

5.3mb (7 obs.) 4.9Msz (3 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 15C
Centroid Location:
Origin Time 00:09:26.9 1.2
Lat 28.34S 0.09 Lon 175.99W 0.13
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	7.26	79	245
N	1.78	7	17
P	-9.04	8	108

Best Double Couple:Mo=8.1*10**23
NP1:Strike=207 Dip=38 Slip= 102
NP2: 12 53 81

08 04 22 38.79 28.227S 176.615W 33km
5.3mb (8 obs.) 5.2Msz (1 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 16C
Centroid Location:
Origin Time 04:22:45.8 1.8
Lat 28.03S 0.14 Lon 176.78W 0.20
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.73	58	261
N	0.15	10	7
P	-1.89	30	103

Best Double Couple:Mo=1.8*10**24
NP1:Strike=221 Dip=18 Slip= 125
NP2: 4 76 80

09 12 16 24.43 52.263N 168.363W 33km
5.3mb (56 obs.) 4.7Msz (3 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 13C
Centroid Location:
Origin Time 12:16:25.3 2.0
Lat 51.88N 0.19 Lon 167.99W 0.22
Dep 15.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	4.92	63	254
N	1.79	25	46
P	-6.70	11	142

Best Double Couple:Mo=5.8*10**23
NP1:Strike=259 Dip=40 Slip= 130
NP2: 31 61 61

09 15 00 42.78 18.625N 106.797W 10km
4.9mb (7 obs.) 5.1Msz (1 obs.)
OFF COAST OF JALISCO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centroid Location:
Origin Time 15:00:46.0 0.5
Lat 18.83N 0.06 Lon 106.73W 0.05
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.50	0	235
N	-0.26	90	180
P	-1.24	0	145

Best Double Couple:Mo=1.4*10**24
NP1:Strike=280 Dip=90 Slip= 180
NP2: 10 90 0

09 22 27 28.06 17.266N 61.397W 52km
5.1mb (39 obs.) 4.0Msz (1 obs.)
LEEWARD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 11C
Centroid Location:
Origin Time 22:27:31.7 1.9
Lat 17.35N 0.21 Lon 60.84W 0.26
Dep 35.0 BDY Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	3.78	47	333
N	0.89	29	206
P	-4.66	29	99

Best Double Couple:Mo=4.2*10**23
NP1:Strike=140 Dip=31 Slip= 21
NP2: 32 80 119

10 20 38 46.55 28.344S 176.488W 33km
5.4mb (11 obs.) 5.7Msz (6 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 20:38:54.3 0.5
Lat 28.27S 0.05 Lon 176.29W 0.05
Dep 20.9 2.3 Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.15	72	238
N	0.26	13	14
P	-3.41	12	107

Best Double Couple:Mo=3.3*10**24
NP1:Strike=214 Dip=35 Slip= 114
NP2: 6 58 74

10 21 52 43.68 7.374S 155.898E 51km
5.5mb (21 obs.) 5.4Msz (6 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 21:52:46.3 0.2
Lat 7.76S 0.02 Lon 156.15E 0.02
Dep 28.4 1.9 Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	8.59	69	66
N	1.11	10	309
P	-9.70	19	216

Best Double Couple:Mo=9.1*10**24
NP1:Strike=290 Dip=28 Slip= 68
NP2: 134 64 101

11 00 02 32.02 2.414N 126.811E 79km
5.7mb (37 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 21C
Centroid Location:
Origin Time 00:02:36.4 0.4
Lat 2.42N 0.04 Lon 127.10E 0.04
Dep 33.0 FIX Half-duration 3.4
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	9.98	8	322
N	1.04	71	79
P	-11.03	16	230

Best Double Couple:Mo=1.1*10**25
NP1:Strike= 7 Dip=72 Slip=-174
NP2: 275 85 -18

11 18 57 12.43 48.678S 31.154E 10km
5.7mb (17 obs.) 5.8Msz (10 obs.)
SOUTH OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centroid Location:
Origin Time 18:57:18.1 0.2
Lat 48.43S 0.03 Lon 31.38E 0.03
Dep 15.0 FIX Half-duration 3.8
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	1.46	4	159
N	-0.28	86	359
P	-1.18	1	250

Best Double Couple:Mo=1.3*10**25
NP1:Strike=295 Dip=86 Slip= 2
NP2: 204 88 176

12 00 26 04.60 14.340S 167.675E 33km
5.3mb (17 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 14C
Centroid Location:
Origin Time 00:26: 3.1 0.9
Lat 14.55S 0.09 Lon 168.02E 0.11
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	10.35	65	67
N	0.19	5	168
P	-10.55	24	260

Best Double Couple:Mo=1.0*10**24
NP1:Strike= 1 Dip=21 Slip= 104
NP2: 166 69 85

12 02 20 35.53 12.402S 166.825E 40km
5.3mb (8 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 9C
Centroid Location:
Origin Time 02:20:38.7 1.5
Lat 12.06S 0.15 Lon 166.12E 0.19
Dep 60.410.7 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	5.91	21	2
N	0.80	65	148
P	-6.71	13	267

Best Double Couple:Mo=6.3*10**23
NP1:Strike= 43 Dip=66 Slip= 174
NP2: 136 84 24

12 20 54 27.78 28.207S 176.630W 33km
5.1mb (9 obs.) 5.6Msz (9 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 22C
Centroid Location:
Origin Time 20:54:35.6 0.5
Lat 28.07S 0.04 Lon 176.68W 0.05
Dep 22.7 2.1 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.36	71	254
N	0.39	10	13
P	-2.74	16	106

Best Double Couple:Mo=2.6*10**24
NP1:Strike=210 Dip=30 Slip= 109
NP2: 8 62 79

13 12 44 07.61 43.854N 141.770E 16km
5.4mb (55 obs.) 5.0Msz (4 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 14C
Centroid Location:
Origin Time 12:44: 9.1 0.8
Lat 43.79N 0.06 Lon 141.47E 0.13
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	7.70	0	211
N	1.07	90	180
P	-8.78	0	121

Best Double Couple:Mo=8.2*10**23
NP1:Strike=256 Dip=90 Slip= 180
NP2: 346 90 0

14 00 46 41.48 35.979N 136.914E 272km
5.1mb (55 obs.)
SOUTHERN HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 14C
Centroid Location:
Origin Time 00:46:42.8 1.3
Lat 35.98N 0.10 Lon 136.72E 0.20
Dep 261.7 5.9 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	6.81	37	213
N	-0.28	19	318
P	-6.52	46	70

Best Double Couple:Mo=6.7*10**23
NP1:Strike=243 Dip=20 Slip=-166
NP2: 140 85 -70

14 06 33 22.87 58.731S 25.266W 18km
5.6mb (11 obs.) 5.2Msz (3 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 06:33:32.9 0.3
Lat 58.91S 0.03 Lon 25.28W 0.08
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	5.06	65	266
N	0.53	0	176
P	-5.60	25	86

Best Double Couple:Mo=5.3*10**24
NP1:Strike=176 Dip=20 Slip= 90
NP2: 356 70 90

14 12 59 33.32 27.255S 176.505W 44km
5.3mb (10 obs.) 5.1Msz (4 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 20C
Centroid Location:
Origin Time 12:59:38.8 0.6
Lat 27.20S 0.04 Lon 176.49W 0.06
Dep 19.8 2.5 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 1.88 Plg=71 Azm=290
N 0.22 2 195
P -2.10 19 104
Best Double Couple:Mo=2.0*10**24
NP1:Strike=192 Dip=26 Slip= 86
NP2: 16 64 92

14 21 20 10.55 23.901N 121.574E 34km
6.3mb (23 obs.) 7.8Msz (17 obs.)
TAIWAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 38 Dip=58 Slip= 85
NP2: 227 32 98
Principal Axes:
T Plg=76 Azm=293
P 13 132
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 1.6±0.3*10**22 d-cm
MOMENT TENSOR SOLUTION
Dep 39 No. of sta: 12
Principal Axes:
Scale 10**26 d-cm
T Val= 9.33 Plg=76 Azm=263
N 0.15 9 30
P -9.48 11 122
Best Double Couple:Mo=9.4*10**26
NP1:Strike=223 Dip=35 Slip= 106
NP2: 24 57 79
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 27C M.W.: 10S, 23C
Centroid Location:
Origin Time 21:20:17.8 0.2
Lat 23.97N 0.01 Lon 121.85E 0.02
Dep 33.2 0.8 Half-duration 10.0
Principal Axes:
Scale 10**27 D-CM
T Val= 1.32 Plg=77 Azm=308
N -0.05 1 212
P -1.27 12 122
Best Double Couple:Mo=1.3*10**27
NP1:Strike=210 Dip=33 Slip= 87
NP2: 33 57 92

14 23 04 37.09 23.866N 121.711E 33km
6.1mb (78 obs.) 6.3Msz (6 obs.)
TAIWAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=72 Slip= 90
NP2: 200 18 90
Principal Axes:
T Plg=63 Azm=290
P 27 110
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

15 07 24 07.21 23.877N 121.677E 28km
5.5mb (66 obs.) 5.8Msz (4 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 14C
Centroid Location:
Origin Time 07:24:16.5 0.5
Lat 23.66N 0.07 Lon 121.66E 0.12
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM
T Val= 4.50 Plg=35 Azm=244
N 1.60 37 5
P -6.09 34 125
Best Double Couple:Mo=5.3*10**24
NP1:Strike=274 Dip=37 Slip= 179
NP2: 5 89 53

17 00 33 33.55 14.641S 166.532E 37km
5.0mb (13 obs.) 4.0Msz (1 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 00:33:31.6 1.5
Lat 14.35S 0.12 Lon 166.43E 0.14
Dep 54.2 8.5 Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 3.98 Plg=83 Azm=344
N -0.39 6 183
P -3.59 2 93
Best Double Couple:Mo=3.8*10**23
NP1:Strike=177 Dip=43 Slip= 81
NP2: 9 48 99

18 12 02 27.84 57.933S 25.392W 67km
5.6mb (6 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 25C
Centroid Location:
Origin Time 12:02:31.7 0.6
Lat 58.04S 0.06 Lon 25.46W 0.11
Dep 44.1 4.0 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.22 Plg=82 Azm=290
N 0.07 3 176
P -1.29 7 85
Best Double Couple:Mo=1.3*10**24
NP1:Strike=172 Dip=38 Slip= 85
NP2: 358 52 94

18 22 48 27.63 24.113S 179.956E 511km
5.4mb (30 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centroid Location:
Origin Time 22:48:33.1 1.1
Lat 24.37S 0.10 Lon 179.92W 0.11
Dep 540.9 4.7 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 12.14 Plg=61 Azm= 90
N 0.43 13 204
P -12.58 25 300
Best Double Couple:Mo=1.2*10**24
NP1:Strike= 56 Dip=23 Slip= 124
NP2: 200 72 77

19 00 35 17.44 29.969N 131.057E 33km
5.1mb (24 obs.) 5.0Msz (3 obs.)
RYUKYU ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 10C
Centroid Location:
Origin Time 00:35:20.2 1.4
Lat 29.54N 0.25 Lon 131.33E 0.38
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 7.23 Plg=71 Azm=295
N 0.21 1 202
P -7.44 19 112
Best Double Couple:Mo=7.3*10**23
NP1:Strike=201 Dip=26 Slip= 88
NP2: 23 64 91

19 04 53 31.90 27.221S 176.449W 33km
5.3mb (18 obs.) 5.2Msz (7 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 04:53:39.5 0.8
Lat 27.01S 0.06 Lon 176.26W 0.08
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.06 Plg=68 Azm=258
N 0.28 9 11
P -2.34 20 104
Best Double Couple:Mo=2.2*10**24
NP1:Strike=210 Dip=26 Slip= 111
NP2: 7 66 80

19 08 28 32.95 0.278N 169.752E 33km
5.3mb (27 obs.) 4.8Msz (2 obs.)
GILBERT ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 08:28:36.3 0.7
Lat 0.15S 0.06 Lon 169.53E 0.11
Dep 15.0 FIX Half-durotion 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 10.83 Plg=32 Azm= 72
N -1.24 54 282
P -9.59 14 171
Best Double Couple:Mo=1.0*10**24
NP1:Strike=216 Dip=57 Slip= 14
NP2: 118 79 146

19 11 52 37.18 19.550S 167.690E 34km
5.3mb (13 obs.) 4.7Msz (1 obs.)
VANUATU ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 13C
Centroid Location:
Origin Time 11:52:41.7 0.9
Lat 19.79S 0.16 Lon 167.43E 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 8.08 Plg=18 Azm= 65
N 0.80 28 325
P -8.88 56 183
Best Double Couple:Mo=8.5*10**23
NP1:Strike=191 Dip=37 Slip= -38
NP2: 313 68 -121

19 14 09 46.37 27.135S 176.507W 33km
5.2mb (8 obs.) 5.2Msz (5 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 19C
Centroid Location:
Origin Time 14:09:51.3 0.7
Lat 26.99S 0.05 Lon 176.27W 0.07
Dep 15.8 3.1 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.21 Plg=62 Azm=288
N 0.06 2 193
P -2.27 28 102
Best Double Couple:Mo=2.2*10**24
NP1:Strike=185 Dip=18 Slip= 82
NP2: 14 73 93

19 17 11 55.36 18.889S 168.087E 48km
5.3mb (16 obs.) 5.0Msz (5 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 25C
Centroid Location:
Origin Time 17:12: 2.4 0.8
Lat 18.86S 0.05 Lon 167.64E 0.08
Dep 15.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 2.12 Plg=17 Azm=100
N -0.40 26 199
P -1.72 58 341
Best Double Couple:Mo=1.9*10**24
NP1:Strike=157 Dip=36 Slip=-138
NP2: 31 66 -62

20 13 14 24.95 16.265S 167.549E 60km
5.7mb (31 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 17C
Centroid Location:
Origin Time 13:14:29.8 0.9

Lat 16.20S 0.07 Lan 167.43E 0.10
Dep 25.0 BDY Half-duratian 2.2
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.93	49	65
N	-0.08	29	296
P	-2.85	27	190

Best Double Cauple:Ma=2.9*10**24
NP1:Strike=234 Dip=32 Slip= 24
NP2: 123 78 120

22 00 41 42.92 34.438N 139.520E 9km
5.8mb (88 abs.) 5.8Msz (17 obs.)
NEAR S. COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=188 Dip=77 Slip= 5
NP2: 97 85 167
Principal Axes:

	Plg=	Azm=
T	13	52
P	6	143

Camment: The facal mechanism is maderately well cantrolled and carrespands ta strike-slip faulting with a small reverse camponent. The preferred fault plane is not determined.
RADIATED ENERGY
No. af sta: 5 Focal mech. F
Energy 1.2±0.5*10**21 d-cm
MOMENT TENSOR SOLUTION
Dep 22 No. af sta: 13
Principal Axes:
Scale 10**24 d-cm

	Val=	Plg=	Azm=
T	7.61	1	239
N	0.19	75	331
P	-7.80	15	149

Best Double Cauple:Ma=7.7*10**24
NP1:Strike=285 Dip=79 Slip=-169
NP2: 193 80 -11
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centroid Location:
Origin Time 00:41:47.5 0.3
Lat 34.53N 0.03 Lon 139.36E 0.04
Dep 15.0 BDY Half-duration 3.6
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	9.02	15	240
N	1.77	58	355
P	-10.79	28	142

Best Double Couple:Mo=9.9*10**24
NP1:Strike=284 Dip=59 Slip=-170
NP2: 189 81 -31

22 15 33 15.57 3.105S 139.875E 12km
5.2mb (16 obs.) 5.0Msz (2 obs.)
WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 15:33:20.9 0.7
Lat 3.09S 0.06 Lon 139.91E 0.09
Dep 17.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.38	63	4
N	-0.09	6	106
P	-1.29	26	199

Best Double Couple:Mo=1.3*10**24
NP1:Strike=304 Dip=20 Slip= 108
NP2: 104 71 83

23 01 39 23.90 3.342S 77.411W 106km
6.4mb (72 abs.)
PERU-ECUADOR BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=117 Dip=65 Slip= -96
NP2: 311 26 -77
Principal Axes:

	Plg=	Azm=
T	20	212
P	69	15

Comment: The focal mechanism is moderately well cantralled and corresponds to narmal faulting with a small strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 2.5±0.4*10**20 d-cm
MOMENT TENSOR SOLUTION
Dep 107 No. af sta: 11
Principal Axes:
Scale 10**26 d-cm

	Val=	Plg=	Azm=
T	2.04	7	231
N	0.00	3	141
P	-2.04	82	30

Best Double Cauple:Mo=2.0*10**26
NP1:Strike=324 Dip=38 Slip= -85
NP2: 139 53 -94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 39C M.W.: 10S, 25C
Centraid Lacatian:
Origin Time 01:39:32.6 0.2
Lat 3.38S 0.01 Lan 77.49W 0.02
Dep 101.9 0.5 Half-duration 9.6
Principal Axes:
Scale 10**26 D-CM

	Val=	Plg=	Azm=
T	1.83	10	223
N	0.09	5	132
P	-1.92	79	18

Best Double Cauple:Ma=1.9*10**26
NP1:Strike=319 Dip=35 Slip= -82
NP2: 129 55 -96

25 13 59 42.39 44.120N 16.339E 30km
5.3mb (39 abs.) 5.5Msz (7 obs.)
YUGOSLAVIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 12C
Centroid Lacatian:
Origin Time 13:59:43.1 1.2
Lat 43.48N 0.13 Lon 16.49E 0.09
Dep 15.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.53	64	348
N	0.08	6	92
P	-2.61	25	185

Best Double Couple:Ma=2.6*10**24
NP1:Strike=289 Dip=21 Slip= 108
NP2: 89 70 83

27 03 28 59.51 42.405N 144.531E 46km
5.4mb (79 abs.) 4.9Msz (7 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 16C
Centroid Location:
Origin Time 03:28:59.5 1.0
Lat 42.05N 0.11 Lon 144.87E 0.20
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	7.42	28	184
N	-1.57	8	90
P	-5.84	61	346

Best Double Cauple:Ma=6.6*10**23
NP1:Strike=294 Dip=18 Slip= -65
NP2: 87 73 -98

27 11 37 52.93 18.179S 178.323W 518km
5.0mb (17 abs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 13C
Centroid Location:
Origin Time 11:38: 0.3 1.2
Lat 18.02S 0.11 Lon 178.38W 0.12
Dep 547.5 6.3 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	12.35	27	160
N	-0.41	51	29
P	-11.94	25	264

Best Double Cauple:Mo=1.2*10**24
NP1:Strike=303 Dip=52 Slip= 2
NP2: 211 88 142

28 20 34 48.28 45.712S 75.655W 33km
4.7mb (5 abs.) 4.2Msz (1 obs.)
OFF COAST OF SOUTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 20:34:49.6 0.8
Lat 45.53S 0.08 Lon 77.17W 0.15
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	9.24	0	215
N	-1.47	90	180
P	-7.76	0	125

Best Double Cauple:Ma=8.5*10**23
NP1:Strike=260 Dip=90 Slip= 180
NP2: 350 90 0

28 22 29 35.18 36.345N 141.174E 41km
5.7mb (83 abs.) 5.6Msz (9 abs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 20C
Centraid Lacation:
Origin Time 22:29:38.8 0.3
Lat 36.03N 0.03 Lan 141.29E 0.04
Dep 29.9 2.1 Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	6.07	67	266
N	0.91	7	14
P	-6.99	22	107

Best Double Cauple:Ma=6.5*10**24
NP1:Strike=211 Dip=24 Slip= 109
NP2: 11 67 82

29 16 54 13.74 16.252S 173.930W 106km
5.3mb (40 abs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 26C
Centraid Location:
Origin Time 16:54:20.2 0.3
Lat 16.06S 0.03 Lon 173.77W 0.03
Dep 100.5 1.4 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.83	70	114
N	0.00	11	237
P	-3.82	16	330

Best Double Cauple:Mo=3.8*10**24
NP1:Strike= 76 Dip=30 Slip= 112
NP2: 231 62 78

30 05 19 48.29 5.494S 35.769W 5km
4.9mb (13 obs.) 4.8Msz (1 obs.)
BRAZIL
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 15C
Centroid Location:
Origin Time 05:19:53.9 1.4
Lat 5.41S 0.09 Lan 35.90W 0.13
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	5.93	0	175
N	-1.03	90	180
P	-4.89	0	85

Best Double Cauple:Mo=5.4*10**23
NP1:Strike=220 Dip=90 Slip= 180
NP2: 310 90 0

30 20 15 30.32 38.853N 141.948E 37km
6.0mb (85 obs.) 6.0Msz (15 abs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=72 Slip= 105
NP2: 164 23 51
Principal Axes:

	Plg=	Azm=
T	60	317
P	26	103

Camment: The focal mechanism is paarly cantralled and carresponds ta reverse faulting with a small left-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. af sta: 7 Focal mech. F
Energy 7.3±2.4*10**19 d-cm
MOMENT TENSOR SOLUTION
Dep 41 No. of sta: 18
Principal Axes:
Scale 10**25 d-cm

	Val=	Plg=	Azm=
T	1.09	56	311
N	0.01	18	193
P	-1.11	28	93

Best Double Couple:Mo=1.1*10**25
NP1:Strike=145 Dip=24 Slip= 40

NP2:	18	75	109		
CENTROID, MOMENT TENSOR			(HRV)		
Data Used: GDSN					
L.P.B.: 9S, 22C					
Centroid Location:					
Origin Time		20:15:37.0 0.2			
Lat 38.67N 0.02 Lon 142.08E 0.02					
Dep 42.0 1.6 Half-duration 3.6					
Principal Axes:					
Scale 10**24 D-CM					
T Val= 10.47	Plg=66	Azm=303			
N 0.88	6	201			
P -11.35	23	108			
Best Double Couple:Mo=1.1*10**25					
NP1:Strike=187	Dip=23	Slip= 75			
NP2:	23	68	96		

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

ANNOUNCEMENT

Beginning with this issue, "RADIATED ENERGY" is presented in the section "ADDITIONAL SOURCE PARAMETERS" for certain events:

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

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

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

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

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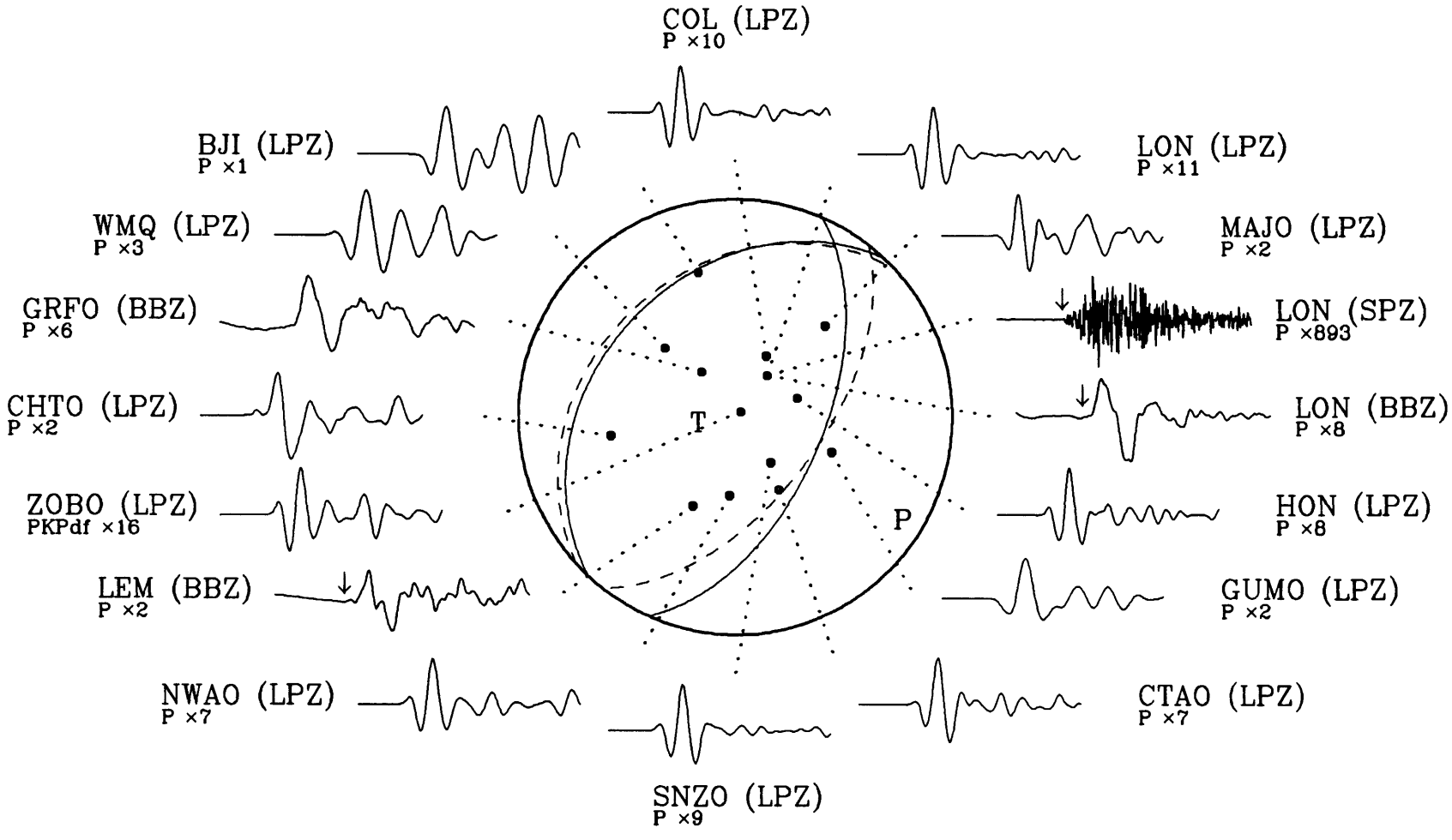
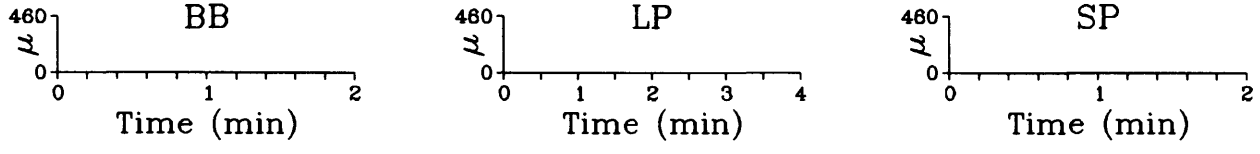
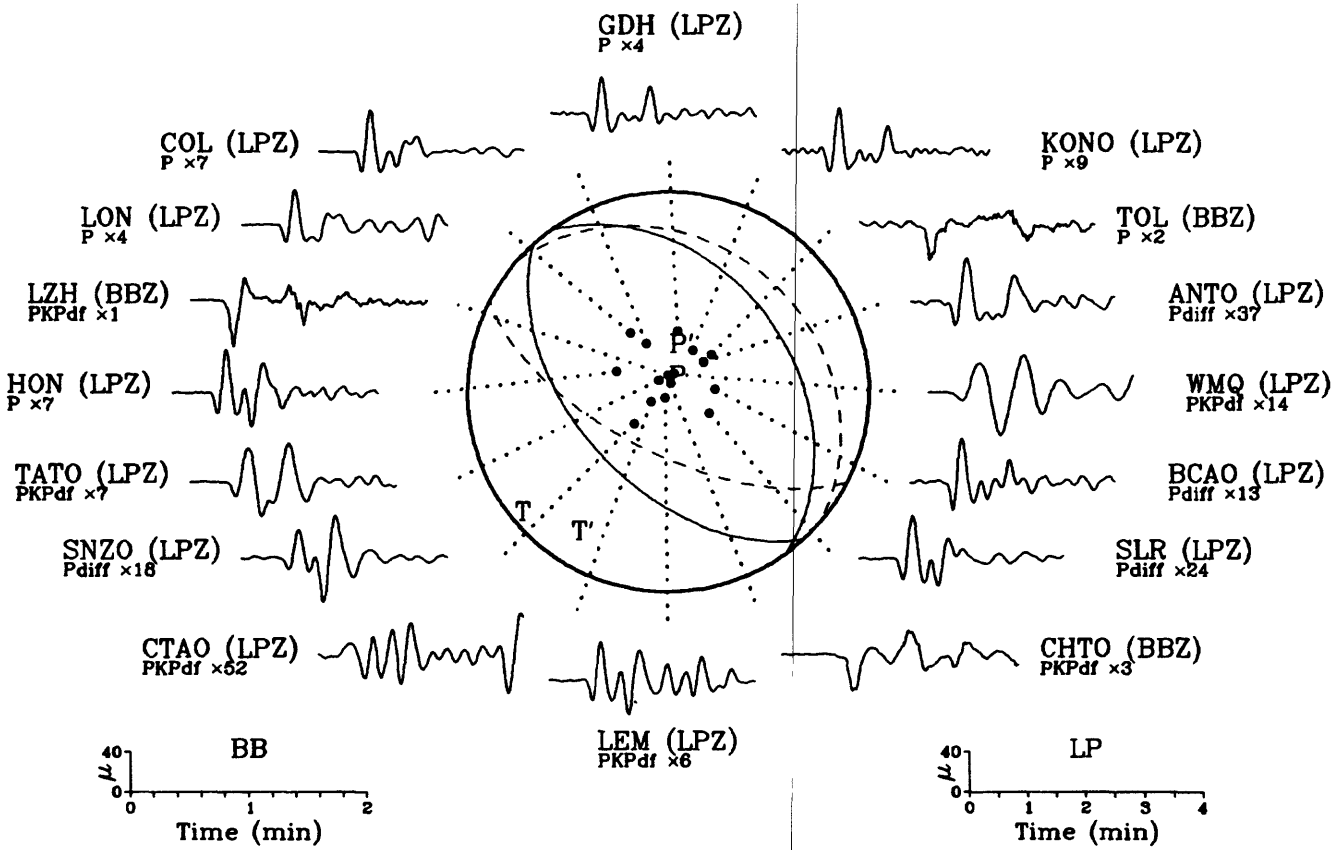
14 November 1986 21:20:10.55
Taiwan



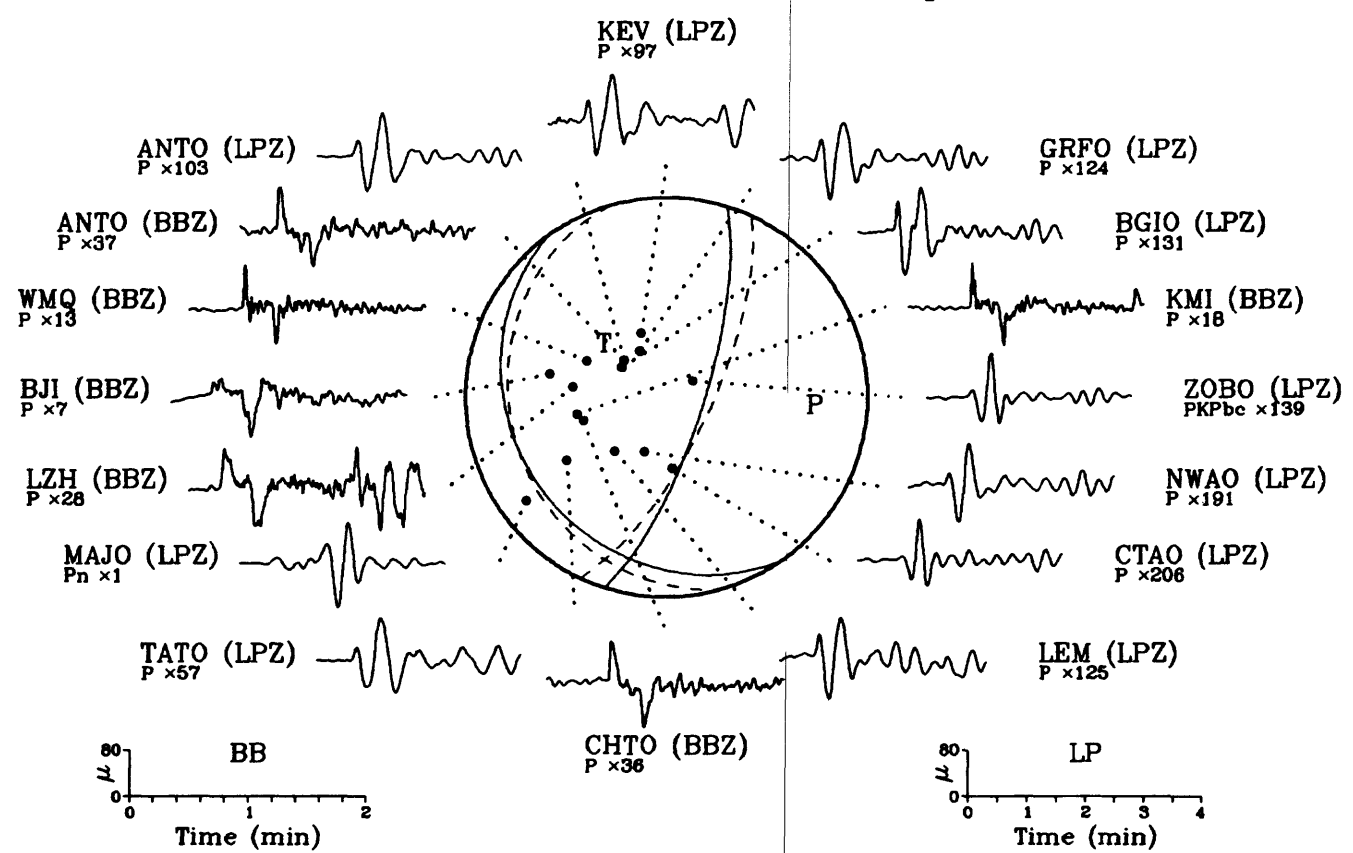


Multiple event. All BBZ records show mainshock has small foreshock (Origin Time: 21:20:05.07).
Arrival of foreshock indicated by arrows on LON and LEM records.

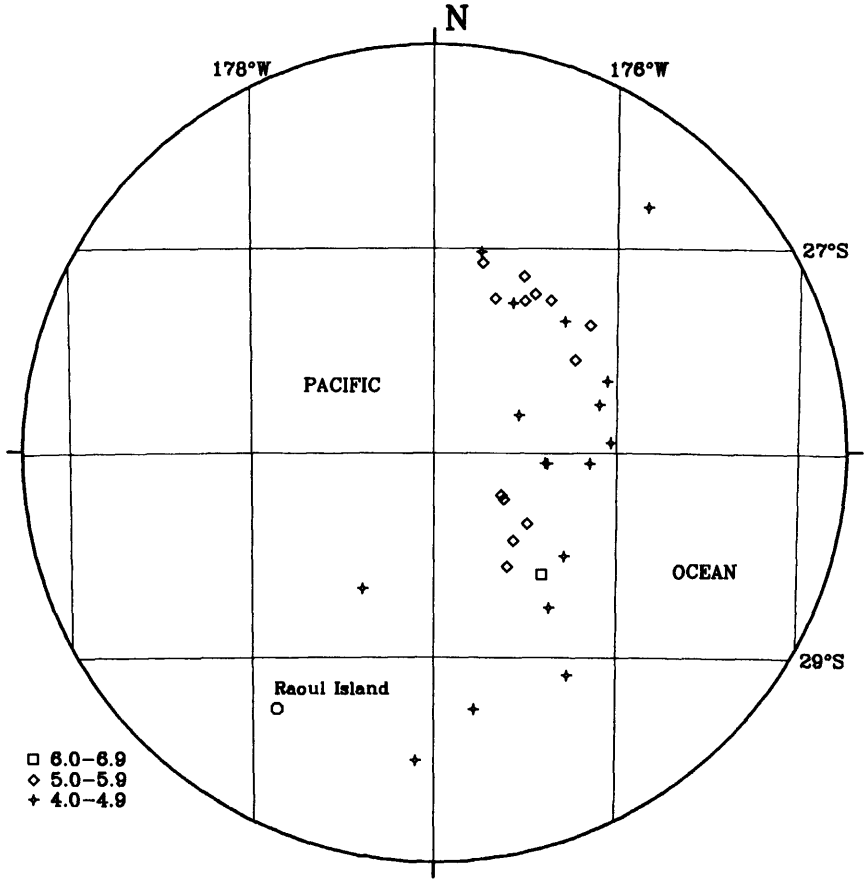
23 November 1986 01:39:23.90
Peru–Ecuador Border Region



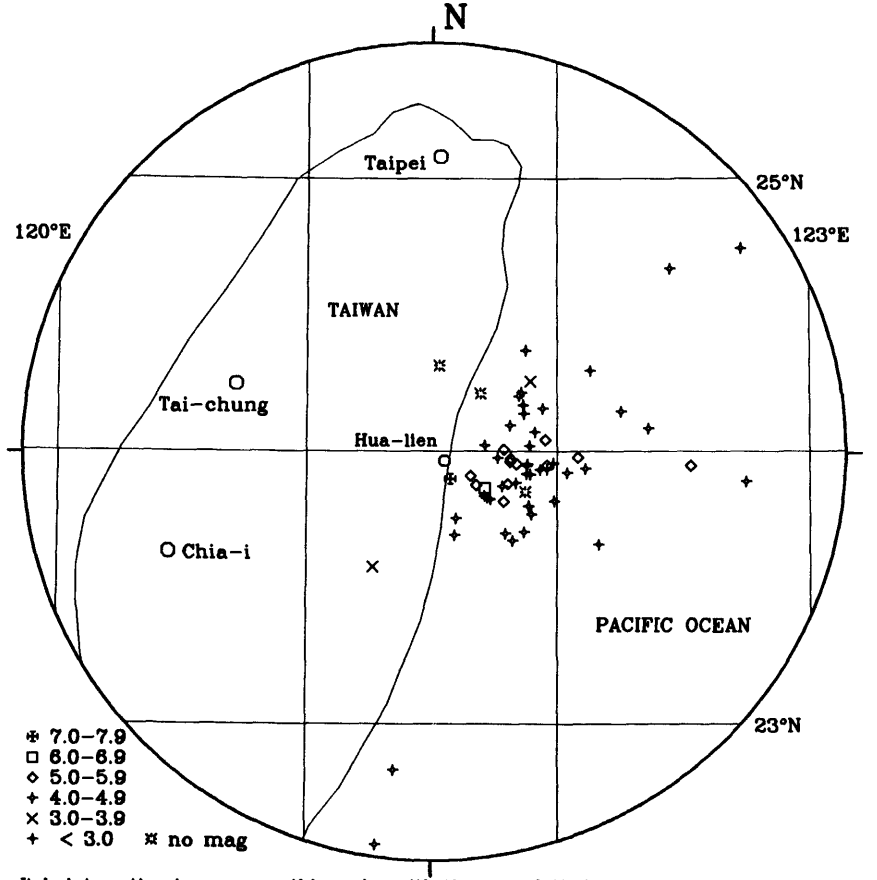
30 November 1986 20:15:30.32
Near East Coast of Honshu, Japan



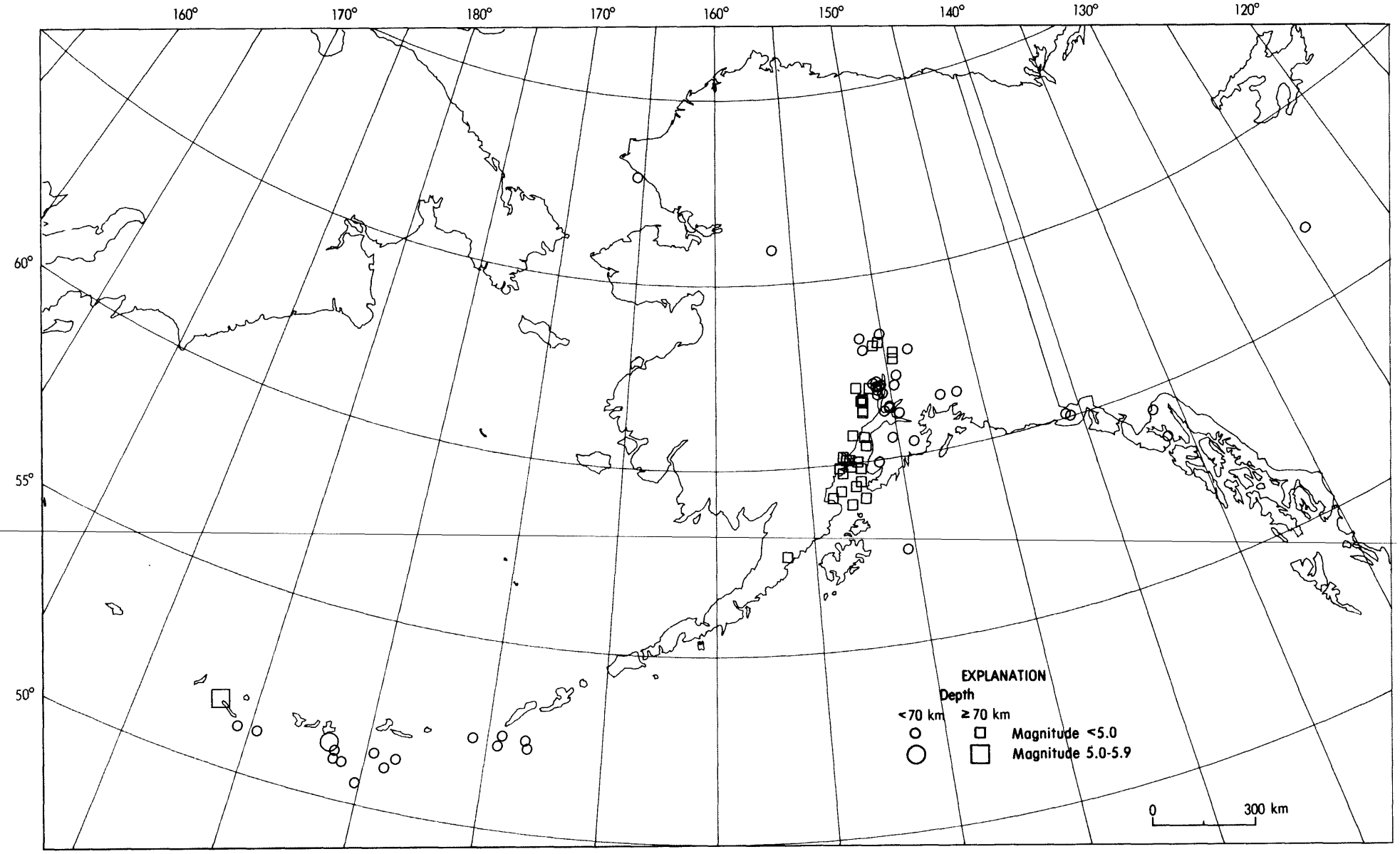
Earthquake Epicenters in the Kermadec Islands
November, 1986



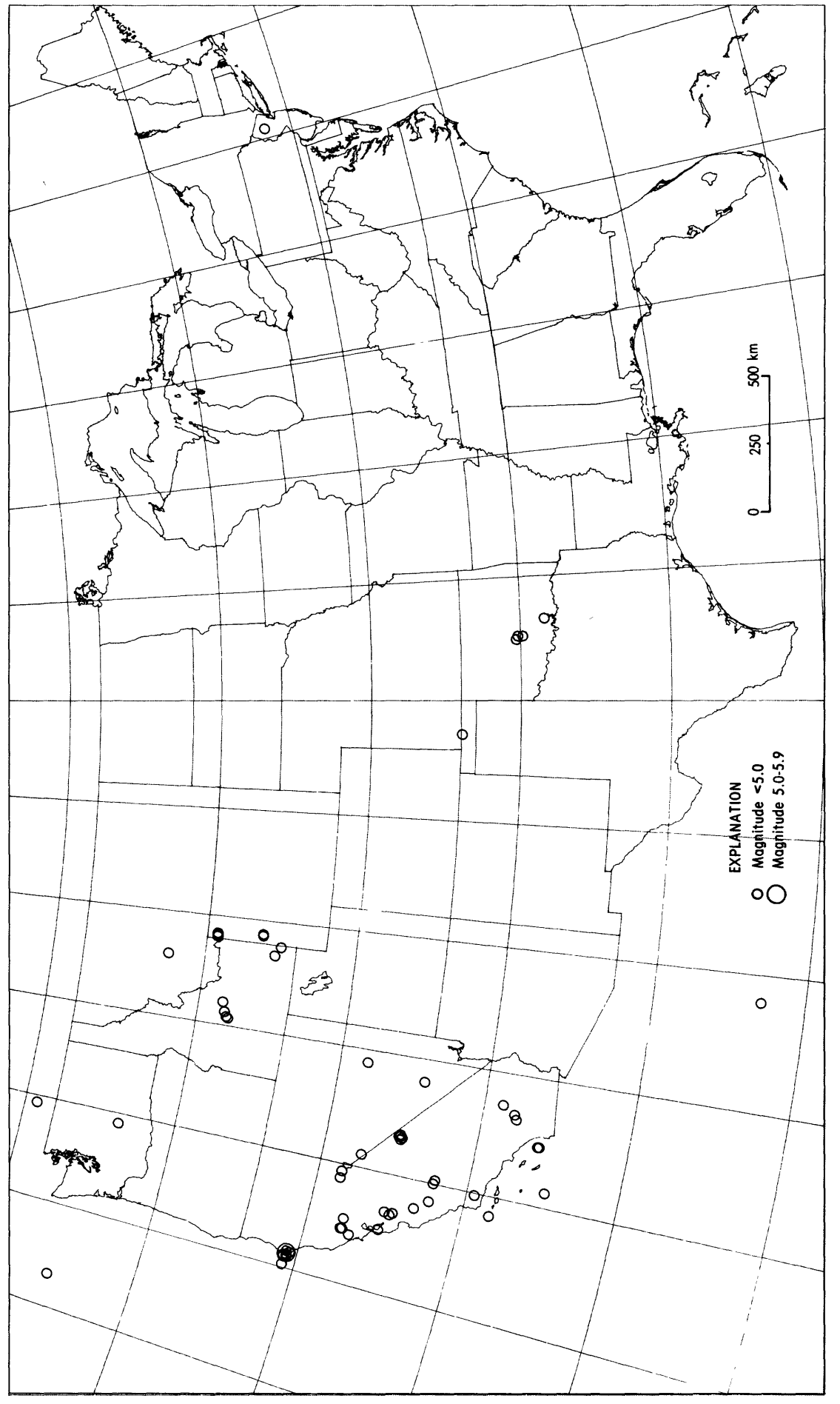
Earthquake Epicenters near Hua–lien, Taiwan
November, 1986



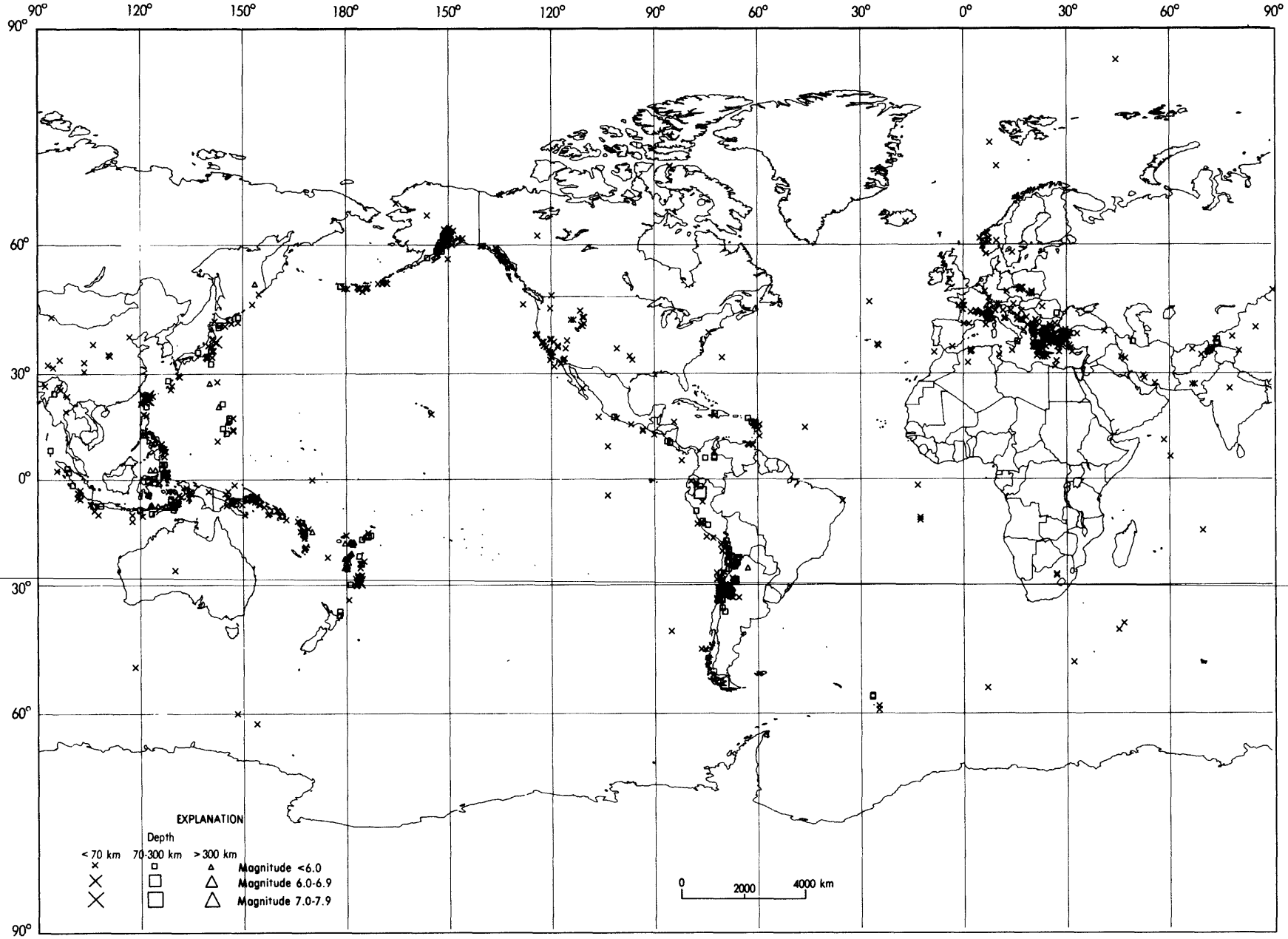
It is interesting to compare this series with the one plotted in the March 1986 Listing.



Earthquake epicenters in Alaska and adjacent regions for November, 1986 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for November, 1986 (C. Stover).



Earthquakes located in November, 1986 (C. Stover).

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

D E C E M B E R 1 9 8 6

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	08	39.1	43.332	N	20.972	E	15				1.1	28	YUGOSLAVIA. ML 3.0 (TTG). Felt (VI) at Brus and Leposovic.
	01	00	42	18.9	43.596	N	12.503	E	17	*			1.1	28	CENTRAL ITALY. ML 3.5 (LDG), 3.4 (KBA), 3.2 (TRI).
	01	01	59	22.7	42.245	N	21.686	E	10	G			0.8	18	YUGOSLAVIA. ML 2.9 (TTG).
	01	02	23	20.1?	16.33	N	61.15	W	33	N			0.5	5	LEEWARD ISLANDS. ML 2.7 (FDF).
	01	04	00	37.2	63.582	N	151.018	W	33	N			0.8	8	CENTRAL ALASKA. ML 3.4 (PMR).
	01	04	42	36.2*	27.687	S	72.222	W	33	N			1.5	9	OFF COAST OF NORTHERN CHILE
	01	06	09	45.8	37.160	N	142.057	E	33	N	4.7		0.6	9	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Fukushima.
	01	07	08	41.8	36.451	N	69.435	E	33	N	4.4		1.1	16	HINDU KUSH REGION
	01	09	21	03.1*	6.899	N	73.260	W	165		5.1		1.1	11	NORTHERN COLOMBIA
	01	10	22	36.9*	13.568	N	92.020	W	33	N	4.5		1.4	18	OFF COAST OF CHIAPAS, MEXICO
	01	11	03	26.1*	50.513	N	5.495	E	10	G			1.8	5	BELGIUM. mbLg 2.0 (DOU).
	01	11	45	39.3	11.810	N	87.741	W	69	*	4.9		1.1	53	NEAR COAST OF NICARAGUA
	01	12	06	38.1?	33.83	S	72.34	W	10	G			0.5	10	OFF COAST OF CENTRAL CHILE
o	01	12	30	02.1	27.305	S	176.402	W	33	N	5.6	6.0	1.0	159	KERMADEC ISLANDS REGION. Ms 6.3 (BRK).
	01	12	45	59.6	39.444	N	28.975	E	10	G			1.0	6	TURKEY
	01	12	52	11.7?	27.73	S	176.49	W	33	N	4.7		1.5	8	KERMADEC ISLANDS REGION
a	01	12	53	49.1	27.150	S	176.379	W	33	N	5.4	6.1	1.3	109	KERMADEC ISLANDS REGION
	01	14	03	04.7*	27.345	S	176.385	W	33	N	5.2		1.0	33	KERMADEC ISLANDS REGION
	01	14	21	12.6*	51.234	N	15.675	E	5	G			1.3	10	POLAND. ML 3.8 (VKA), 3.5 (KBA).
	01	14	36	40.8%	39.211	N	28.816	E	10	G			1.3	7	TURKEY
	01	14	52	08.3?	27.07	S	176.41	W	33	N	4.6		1.3	8	KERMADEC ISLANDS REGION
	01	16	05	38.2*	14.626	N	93.016	W	33	N	4.8	4.0	0.9	18	NEAR COAST OF CHIAPAS, MEXICO. Felt in southern Mexico.
	01	16	09	37.3*	44.647	N	110.998	W	5	G			0.3	6	YELLOWSTONE NATIONAL PARK, WYO. ML 3.1 (NEIS).
	01	16	16	42.2&	61.534	N	140.280	W	1		4.4			35	SOUTHERN YUKON TERRITORY, CANADA. <AGS-P>. ML 4.1 (PMR).
	01	17	21	06.8*	22.935	S	179.574	W	555	?	4.4		1.1	20	SOUTH OF FIJI ISLANDS
	01	18	00	24.6&	61.444	N	140.410	W	0					31	SOUTHERN YUKON TERRITORY, CANADA. <AGS-P>. ML 3.8 (PMR).
	01	18	15	59.4?	36.40	N	70.05	E	315	?	4.1		0.7	10	HINDU KUSH REGION
a	01	18	51	05.3	56.822	S	147.258	E	10	G	5.1	5.7	1.3	50	WEST OF MACQUARIE ISLAND
	01	19	20	08.2*	16.497	N	97.899	W	33	N	4.6		1.3	20	OAXACA, MEXICO. Felt strongly in parts of Oaxaca.
	01	19	55	07.4*	27.476	S	176.341	W	33	N	4.7		0.9	25	KERMADEC ISLANDS REGION
	01	19	58	13.3*	8.625	N	126.887	E	33	N	4.9		1.0	5	MINDANAO, PHILIPPINE ISLANDS
	01	20	15	29.1*	8.351	N	126.963	E	33	N	4.7		1.5	21	MINDANAO, PHILIPPINE ISLANDS
	01	20	34	07.8?	46.87	N	1.06	W	5	G			1.0	7	FRANCE. ML 2.5 (LDG).
	01	23	07	10.0*	51.348	N	174.278	W	33	N	4.9		0.8	43	ANDREANOF ISLANDS, ALEUTIAN IS.
	02	01	22	01.5*	32.762	S	71.709	W	10	G			0.6	12	NEAR COAST OF CENTRAL CHILE
	02	03	59	08.6*	31.017	S	67.402	W	5	G			1.4	14	SAN JUAN PROVINCE, ARGENTINA
	02	05	02	59.7*	36.703	N	8.052	W	13				1.4	11	WEST OF GIBRALTAR. MG 3.6 (MDD).
	02	05	14	35.9%	42.207	N	18.693	E	10	G			0.8	6	YUGOSLAVIA. ML 2.3 (TTG).
	02	05	19	01.1	27.401	S	176.526	W	33	N	5.1	5.0	0.9	58	KERMADEC ISLANDS REGION
	02	05	22	24.2	3.156	S	141.923	E	33	N	4.7		1.0	19	PAPUA NEW GUINEA
	02	07	58	01.7*	20.713	S	67.544	W	33	N			0.6	5	SOUTHERN BOLIVIA
	02	08	56	36.0	45.501	N	26.303	E	151				0.7	23	ROMANIA
	02	12	28	51.4	18.269	N	145.643	E	182	*	4.8		0.9	69	MARIANA ISLANDS
	02	13	35	01.7*	17.727	S	13.487	W	10	G	4.2		1.2	10	SOUTH ATLANTIC RIDGE
	02	13	39	51.4&	61.426	N	151.270	W	66					25	SOUTHERN ALASKA. <AGS-P>.
	02	18	47	14.8*	35.845	N	140.225	E	79		4.3		1.3	17	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Utsunomiya.
	02	19	03	50.5	40.739	N	23.657	E	10	G			1.0	9	GREECE
	02	20	00	23.1	39.134	N	22.329	E	10	G			0.5	14	GREECE. ML 3.2 (ATH).
	02	22	44	01.8	45.010	N	25.523	E	31				1.3	18	ROMANIA
	02	23	08	59.9	36.131	N	120.058	W	10	G			0.6	9	CENTRAL CALIFORNIA. ML 2.7 (BRK), 3.1 (PAS).
	03	02	06	49.9*	6.265	S	129.777	E	201	?			1.2	7	BANDA SEA
	03	02	14	24.3	43.242	N	0.653	W	14				0.9	25	PYRENEES. ML 3.6 (LDG).
	03	02	49	47.0?	44.13	N	130.08	W	10	G			0.7	11	OFF COAST OF OREGON

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	03	02	52	05.1*	43.642	N	127.068	W	10	G	4.3	0.7	14	OFF COAST OF OREGON
	03	04	04	07.4*	52.015	S	139.398	E	10	G	4.9	1.2	18	WEST OF MACQUARIE ISLAND
	03	05	05	33.8	51.255	N	176.448	W	33	N	4.6	1.1	24	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (II) on Adak.
	03	05	34	28.6	49.770	N	129.636	W	10	G	4.5	0.8	34	VANCOUVER ISLAND REGION
	03	05	45	11.7	49.761	N	129.652	W	10	G	4.7 3.6	1.0	49	VANCOUVER ISLAND REGION
o	03	08	17	52.3*	15.722	S	174.631	W	33	N	4.8 5.2	1.2	39	TONGA ISLANDS
	03	08	55	44.6	3.959	S	128.909	E	33	N	5.1	1.3	40	CERAM
	03	09	13	04.3*	24.282	N	122.229	E	42	*	3.9	1.2	19	TAIWAN REGION
	03	11	41	33.1?	27.16	S	177.76	W	137	D	4.8	1.2	9	KERMADEC ISLANDS REGION
	03	11	52	06.7?	42.26	N	21.38	E	10	G		1.7	5	YUGOSLAVIA
	03	12	59	15.1?	15.16	N	60.24	W	29	*		0.3	6	LEEWARD ISLANDS. ML 3.0 (FDF).
	03	14	26	44.7	14.457	N	91.655	W	89		4.9	0.9	82	GUATEMALA. Felt in the San Marcos, Quetzaltenango and Retalhuleu Departments. Also felt in Chiapas, Mexico.
	03	15	02	32.7*	22.476	S	171.913	E	58	?	4.3	0.9	7	LOYALTY ISLANDS REGION
	03	15	31	12.0*	18.414	N	62.377	W	26		4.5	1.0	18	LEEWARD ISLANDS. ML 4.3 (FDF).
	03	16	57	19.2	49.772	N	129.419	W	10	G	4.3	1.0	17	VANCOUVER ISLAND REGION
o	03	16	59	56.8	24.082	S	179.920	W	527	D	5.3	1.0	105	SOUTH OF FIJI ISLANDS
	03	17	21	33.6*	24.212	S	67.232	W	189	*		0.6	7	CHILE-ARGENTINA BORDER REGION
	03	17	46	35.0	49.722	N	129.508	W	10	G	4.1	0.8	26	VANCOUVER ISLAND REGION
	03	19	38	10.7?	7.23	N	77.10	W	33	N		0.4	6	PANAMA-COLOMBIA BORDER REGION
	03	19	57	53.0?	29.17	S	69.41	W	169	?		1.4	7	CHILE-ARGENTINA BORDER REGION
	03	20	45	35.7*	61.758	N	124.412	W	10	G		1.2	8	NORTHWEST TERRITORIES, CANADA
	03	20	49	59.8%	45.628	N	3.608	E	10	G		0.8	11	FRANCE. ML 2.4 (LDG).
	03	21	26	42.0	49.741	N	129.572	W	10	G	4.8 4.0	1.1	50	VANCOUVER ISLAND REGION
	03	21	50	09.5*	49.815	N	129.480	W	10	G	4.0	0.8	16	VANCOUVER ISLAND REGION
	03	22	15	02.0	39.135	N	28.026	E	10	G		1.0	16	TURKEY
	03	22	48	44.2	5.334	S	154.324	E	158		5.0	1.0	26	SOLOMON ISLANDS
a	03	22	49	50.9	27.352	S	176.266	W	44	D	5.3 5.1	1.2	88	KERMADEC ISLANDS REGION
	03	23	18	23.2*	32.396	N	104.622	E	33	N		0.9	5	SICHUAN PROVINCE, CHINA. ML 3.9 (BJI).
	03	23	46	57.8	46.442	N	112.199	W	0	G		0.6	13	MONTANA. ML 3.1 (NEIS). Explosion at Montana Tunnels mine.
	04	03	28	47.7*	36.180	N	31.326	E	10	G		1.1	6	TURKEY
	04	05	01	21.2*	15.685	N	92.935	W	67	*	5.0	0.8	29	MEXICO-GUATEMALA BORDER REGION
	04	05	21	53.3	39.706	N	28.739	E	10	G		0.8	12	TURKEY
	04	05	37	42.4*	16.743	S	177.346	W	33	N	4.4	0.9	9	FIJI ISLANDS REGION
	04	06	24	37.2?	42.26	N	19.01	E	10	G		0.2	4	YUGOSLAVIA. ML 2.0 (TTG).
	04	06	51	29.8*	24.141	S	67.001	W	206	*		0.4	8	CHILE-ARGENTINA BORDER REGION
	04	07	45	30.2*	27.401	S	176.488	W	33	N	5.1 4.6	1.2	36	KERMADEC ISLANDS REGION
	04	08	19	24.1&	61.594	N	151.077	W	68				23	SOUTHERN ALASKA. <AGS-P>.
	04	10	54	01.8?	36.23	S	69.49	W	33	N		0.8	6	MENDOZA PROVINCE, ARGENTINA
	04	11	00	18.6	24.769	N	122.314	E	39	*	4.8	1.4	26	TAIWAN REGION
	04	12	35	31.3	15.785	N	94.800	W	33	N	5.1 3.9	1.0	92	NEAR COAST OF OAXACA, MEXICO
	04	14	14	26.6?	58.65	N	6.31	E	10	G		0.7	5	SOUTHERN NORWAY. MD 2.1 (BER).
	04	14	32	42.3*	5.644	S	153.164	E	33	N	3.9	1.1	5	NEW IRELAND REGION
	04	16	31	13.6	39.376	N	28.402	E	10	G		0.9	15	TURKEY
	04	17	03	56.2	2.760	S	126.689	E	33	N	4.9	1.2	27	CERAM SEA
	04	17	33	06.0&	63.111	N	148.778	W	44				29	CENTRAL ALASKA. <AGS-P>.
	04	17	49	32.0*	18.019	S	178.410	W	645		4.6	1.0	45	FIJI ISLANDS REGION
	04	18	05	29.5	2.325	S	139.043	E	33	N	4.4 4.6	1.0	35	NEAR N. COAST OF WEST IRIAN
	04	18	31	47.5*	24.124	N	121.983	E	33	N	4.0	1.5	17	TAIWAN
	04	19	40	46.8	39.329	N	28.403	E	10	G		0.7	8	TURKEY
	04	20	31	58.5	39.646	N	20.513	E	10	G		1.0	21	GREECE-ALBANIA BORDER REGION. ML 3.8 (ATH), 3.0 (TTG).
	04	20	42	27.5	6.665	S	130.330	E	126	*	5.0	0.8	38	BANDA SEA
	04	22	18	27.3	41.288	N	22.561	E	5	G		0.9	13	YUGOSLAVIA. ML 2.9 (SKO). Felt (V) in the Valandovo area.
	04	23	13	57.2%	40.104	N	29.297	E	10	G		0.5	7	TURKEY
	04	23	18	06.9	7.338	N	93.709	E	84	*	4.4	1.0	37	NICOBAR ISLANDS REGION
	05	00	54	29.5	5.477	S	147.232	E	217		5.3	0.9	126	EAST PAPUA NEW GUINEA REGION
	05	00	56	22.4	41.316	N	22.568	E	10	G		0.5	9	YUGOSLAVIA. ML 2.2 (SKO). Felt (III) at Valandova.
	05	01	05	02.5?	37.39	N	21.92	E	33	N		1.5	6	SOUTHERN GREECE. ML 3.0 (ATH).
a	05	01	45	36.1*	36.474	S	97.628	W	10	G	5.3 5.5	1.5	52	WEST CHILE RISE
	05	01	59	58.2&	59.664	N	154.276	W	178				26	SOUTHERN ALASKA. <AGS-P>.
	05	02	04	25.5	18.287	N	146.518	E	86	*	5.3	1.1	136	MARIANA ISLANDS
	05	02	31	55.4*	59.002	S	25.454	W	83	D	4.9	1.0	16	SOUTH SANDWICH ISLANDS REGION
	05	02	33	27.7*	6.852	S	106.337	E	78	*	5.0	1.2	27	JAVA
	05	02	47	04.7	63.013	N	149.945	W	33	N		0.6	6	CENTRAL ALASKA. ML 3.4 (PMR).
	05	03	23	16.0	41.907	N	20.383	E	10	G		1.2	7	ALBANIA. ML 2.8 (SKO), 2.4 (TTG).
	05	04	18	09.9?	73.31	N	6.21	E	10	G	3.8	1.4	6	GREENLAND SEA
	05	04	27	46.1*	21.237	S	68.868	W	103	?		1.4	7	CHILE-BOLIVIA BORDER REGION
	05	05	10	08.1	38.641	N	26.731	E	10	G		0.9	10	AEGEAN SEA
	05	05	49	51.7*	18.739	S	71.605	W	10	G		0.8	6	OFF COAST OF NORTHERN CHILE
a	05	06	56	34.6	51.257	S	139.199	E	10	G	5.5 5.9	1.4	124	SOUTH OF AUSTRALIA. Ms 5.9 (BRK).
a	05	09	01	52.0	27.042	S	176.372	W	33	N	5.1 4.8	0.9	49	KERMADEC ISLANDS REGION
	05	10	34	34.0*	39.867	N	77.210	E	33	N	4.4	1.3	11	SOUTHERN XINJIANG, CHINA
o	05	11	34	14.7	31.109	S	179.942	E	440		5.1	1.4	114	KERMADEC ISLANDS REGION
	05	14	24	24.9	41.710	N	19.395	E	11			1.1	16	ALBANIA. ML 3.0 (TTG).
	05	14	24	25.7	31.359	S	67.821	W	45	*	4.8	1.1	30	SAN JUAN PROVINCE, ARGENTINA. Felt (III) at Mendoza. Felt also at Cordoba
	05	15	11	30.8*	15.992	N	95.149	W	33	N	5.1	0.9	15	NEAR COAST OF OAXACA, MEXICO
	05	15	51	33.2?	9.94	S	119.71	E	33	N	3.1	1.6	5	SUMBA ISLAND REGION
	05	16	47	18.0?	15.53	S	174.66	W	295	*	4.8	0.9	11	TONGA ISLANDS
	05	20	06	40.1?	51.49	N	16.42	E	10	G		1.5	5	POLAND. ML 3.2 (VKA).
	05	21	20	26.0?	45.72	N	14.71	E	10	G		0.7	7	YUGOSLAVIA. ML 2.9 (KBA).
	05	21	34	30.6	39.421	N	28.428	E	10	G		0.6	14	TURKEY
	05	21	40	06.3?	23.78	N	121.61	E	33	N	3.7	1.2	13	TAIWAN
o	05	22	31	00.3	21.715	S	173.648	W	34	D	5.6 5.3	1.0	165	TONGA ISLANDS
	05	23	12	16.3*	8.656	S	75.898	W	33	N	5.1	0.8	12	PERU
	06	01	32	15.2?	76.43	N	8.51	E	10	G	4.1	1.2	7	SVALBARD REGION
	06	02	20	25.3*	41.186	N	22.556	E	10	G		0.9	6	YUGOSLAVIA. ML 2.5 (SKO). Felt (IV) in the Valandovo area.
	06	02	39	25.6	45.574	N	3.693	E	10	G		0.8	11	FRANCE. ML 2.5 (LDG).
	06	03	52	59.3	0.106	S	122.831	E	188		5.1	1.2	47	MINAHASSA PENINSULA
	06	04	27	32.6&	37.510	N	118.430	W	6	G			11	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS).

	06	05	24	15.9&	32.960	N	117.800	W	6	G			7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS). Second event of similar magnitude about 20 seconds later.
	06	05	33	54.3	50.207	N	129.757	W	10	G	4.6	3.7	41	VANCOUVER ISLAND REGION
	06	05	59	37.0	44.140	N	16.514	E	10	G		1.1	18	YUGOSLAVIA. ML 3.6 (TTG). Felt (V) in the Bosansko Grahovo-Knin area. Also felt at Livno and Drvar.
	06	08	08	22.7	41.260	N	22.700	E	10	G		0.5	6	YUGOSLAVIA. ML 2.0 (SKO).
	06	08	18	10.3*	18.336	N	146.512	E	78	*	4.8	0.9	28	MARIANA ISLANDS
	06	10	11	48.4	2.082	S	125.701	E	33	N	4.7	1.5	22	CERAM SEA
	06	13	06	30.8?	21.08	S	68.73	W	123	?		1.5	6	CHILE-BOLIVIA BORDER REGION
	06	14	58	24.3*	16.502	S	176.938	E	33	N	4.3	0.6	10	FIJI ISLANDS REGION
	06	15	06	11.8?	16.29	S	72.32	W	176	?	4.4	1.1	10	NEAR COAST OF PERU
	06	15	42	05.8*	22.699	S	70.690	W	50	*	4.8	1.3	9	NEAR COAST OF NORTHERN CHILE
a	06	16	55	00.5*	55.039	S	126.777	W	10	G	5.4	5.1	50	EASTER ISLAND CORDILLERA
	06	17	07	19.5	44.852	N	11.418	E	33	N	4.0	1.2	93	NORTHERN ITALY. MD 4.5 (ROM), 4.5 (KBA). ML 4.3 (LDG), 4.1 (TRI). Felt strongly in parts of the Emilia-Romagna region. Felt as far north as Verona and farther south than Bologna.
	06	17	20	23.1?	44.93	N	11.81	E	33	N		1.8	4	NORTHERN ITALY. ML 3.0 (KBA). Felt in the Emilia-Romagna region.
	06	17	36	29.3&	59.975	N	151.548	W	59				29	KENAI PENINSULA, ALASKA. <AGS-P>.
	06	19	56	19.0?	52.69	N	172.95	E	33	N	4.7	1.3	10	NEAR ISLANDS, ALEUTIAN ISLANDS
	06	21	04	15.7	51.226	N	130.084	W	10	G	4.3	1.1	34	QUEEN CHARLOTTE ISLANDS REGION
	06	21	37	04.4?	5.87	S	150.54	E	33	N	3.9	1.2	5	NEW BRITAIN REGION
	06	23	45	18.4?	45.06	N	14.87	E	10	G		1.2	6	YUGOSLAVIA. MD 2.9 (TRI). Felt at Zadar, Benkovac and Biograd.
	07	01	37	00.8&	61.496	N	151.692	W	86				27	SOUTHERN ALASKA. <AGS-P>.
	07	01	43	47.3&	60.323	N	153.738	W	177				26	SOUTHERN ALASKA. <AGS-P>.
	07	02	07	23.6*	32.530	S	179.991	E	182		5.2	1.2	28	SOUTH OF KERMADEC ISLANDS
	07	02	28	59.2*	21.644	S	179.041	W	589		5.0	0.9	33	FIJI ISLANDS REGION
	07	02	45	30.0&	20.864	N	156.036	W	38				33	HAWAII. <HVO-P>. ML 4.0 (HVO). Felt (III) on Maui. Felt (II) at Kamuela.
	07	03	21	02.6?	37.88	N	20.12	E	10	G		1.2	6	IONIAN SEA. ML 3.7 (ATH).
	07	04	27	05.7	24.179	N	121.945	E	33		4.7	1.1	46	TAIWAN
	07	04	46	14.3*	39.466	N	16.697	E	10	G		1.2	10	SOUTHERN ITALY. MG 3.3 (ROM).
	07	05	18	33.2&	62.032	N	152.044	W	124				28	CENTRAL ALASKA. <AGS-P>.
	07	05	21	42.5*	11.691	N	87.929	W	33	N	4.9	1.2	35	NEAR COAST OF NICARAGUA
o	07	05	40	39.2	6.783	N	95.120	E	215		5.4	1.0	256	NICOBAR ISLANDS REGION
	07	06	19	06.1?	5.70	S	152.54	E	33	N	3.8	1.5	5	NEW BRITAIN REGION
	07	06	40	22.9	4.454	N	96.605	E	43	*	4.5	1.4	26	NORTHERN SUMATERA
	07	08	24	29.4	38.210	N	15.843	E	62	*	3.8	0.6	24	SICILY
	07	08	31	24.8?	18.79	S	177.99	W	634	*	4.3	0.7	9	FIJI ISLANDS REGION
	07	11	07	19.2*	5.370	S	153.518	E	55	*	3.9	1.2	10	NEW IRELAND REGION
	07	12	33	09.0&	35.352	N	120.960	W	6				15	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK), 3.3 (PAS). Felt at Cayucos, Charro Valley, Los Osos, Morro Bay and San Luis Obispo.
	07	13	49	26.4	6.541	S	153.499	E	33	N	4.1	1.1	13	NEW BRITAIN REGION
	07	14	00	14.2	42.957	N	14.159	E	10	G		1.6	53	CENTRAL ITALY. MD 4.2 (ROM). ML 4.1 (LDG), 3.9 (TRI).
	07	14	14	24.0*	5.606	S	152.561	E	33	N	4.5	1.4	8	NEW BRITAIN REGION
a	07	14	17	09.5	43.274	N	25.912	E	21		5.2	5.6	246	BULGARIA. ML 5.5 (TTG). At least 3 people killed, 60 injured and damage (VII) in the Veliko Turnovo-Turgovishte area. Felt throughout Bulgaria. Also felt at Bucharest, Romania, Istanbul, Turkey and in eastern Yugoslavia.
a	07	14	40	29.4	0.851	N	124.362	E	220		5.8	1.0	201	MINAHASSA PENINSULA
	07	15	20	30.4	43.163	N	26.110	E	10	G		0.6	9	BULGARIA
	07	16	18	28.9*	61.882	N	124.528	W	10	G		1.3	8	NORTHWEST TERRITORIES, CANADA
a	07	16	56	36.3*	18.823	N	107.200	W	10	G	5.0	5.6	57	OFF COAST OF JALISCO, MEXICO. Ms 5.7 (BRK).
	07	17	26	06.4	43.259	N	26.013	E	10	G	4.1	1.2	103	BULGARIA. ML 4.6 (TTG).
	07	17	39	22.4	43.293	N	25.893	E	10	G		0.7	6	BULGARIA
	07	18	39	58.3*	18.375	S	168.202	E	33	N	4.4	1.3	14	VANUATU ISLANDS
	07	20	24	34.4*	38.467	N	21.661	E	11			1.3	13	GREECE. ML 3.2 (ATH).
	07	20	33	46.7%	40.250	N	29.491	E	10	G		0.7	6	TURKEY
	07	20	54	07.0*	18.786	N	120.771	E	53	?	3.7	1.5	12	LUZON, PHILIPPINE ISLANDS
	07	20	56	43.8*	22.017	S	68.731	W	157	?		1.2	8	NORTHERN CHILE
	08	01	12	06.4?	37.37	N	21.01	E	10	G		0.6	5	SOUTHERN GREECE. ML 3.6 (ATH).
	08	01	37	38.9?	45.66	N	5.04	E	10	G		1.3	6	FRANCE. ML 2.4 (LDG).
	08	02	00	08.6%	39.357	N	28.953	E	10	G		0.7	6	TURKEY
	08	02	00	50.5%	39.377	N	28.967	E	10	G		0.9	6	TURKEY
	08	02	04	17.1%	39.276	N	28.900	E	10	G		0.9	6	TURKEY
	08	02	28	57.1*	37.298	N	71.493	E	33	N	4.3	0.2	6	AFGHANISTAN-USSR BORDER REGION
	08	02	52	13.3%	39.425	N	28.440	E	10	G		0.8	8	TURKEY
o	08	03	03	25.9	46.937	N	27.462	W	10	G	5.1	4.9	176	NORTH ATLANTIC RIDGE
	08	05	58	11.5	36.625	N	31.761	E	130		4.6	1.0	102	TURKEY
	08	06	10	58.0*	53.325	N	166.835	W	78	*		1.4	13	FOX ISLANDS, ALEUTIAN ISLANDS
	08	08	06	43.4%	39.717	N	28.736	E	10	G		0.9	5	TURKEY
	08	09	31	45.1?	43.86	N	25.81	E	10	G		1.6	5	BULGARIA
	08	09	38	19.5	24.104	N	122.152	E	33	N	4.9	1.5	33	TAIWAN REGION
	08	10	50	45.8*	49.466	N	6.017	E	10	G		0.6	5	GERMANY. mbLg 2.2 (DOU).
	08	11	00	04.2	13.519	S	76.048	W	33	N		1.0	8	NEAR COAST OF PERU. Felt (II) at Ica.
	08	11	20	58.2?	19.31	S	176.77	W	357	?	4.4	0.7	12	FIJI ISLANDS REGION
	08	11	31	31.1*	17.914	N	118.981	E	33	N	4.3	1.3	8	PHILIPPINE ISLANDS REGION
	08	11	42	53.0*	5.038	S	125.178	E	567	*	5.0	0.6	13	BANDA SEA
	08	11	54	40.3*	23.985	S	70.902	W	51	*		1.4	10	NEAR COAST OF NORTHERN CHILE. Felt (II) at Antofagosto.
	08	12	24	37.1	2.286	N	126.840	E	58	*	4.8	1.3	41	MOLUCCA PASSAGE
	08	14	44	29.0	43.288	N	26.020	E	31		4.4	1.1	90	BULGARIA. ML 4.4 (TTG). Felt (V) at Strozhitso; also felt at Sofia.
	08	14	53	26.0?	45.48	N	17.31	E	10	G		1.5	6	YUGOSLAVIA
	08	15	00	44.0?	16.65	N	60.68	W	33	N		0.2	6	LEEWARD ISLANDS. ML 3.0 (FDF).
	08	15	14	38.5*	3.381	N	98.293	E	135	*		1.4	10	NORTHERN SUMATERA
	08	16	05	58.4*	21.780	S	173.727	W	33	N	4.9	1.2	21	TONGA ISLANDS
	08	17	10	47.4*	44.527	S	37.663	E	10	G	4.7	0.4	8	PRINCE EDWARD ISLANDS REGION
	08	17	50	11.8&	35.766	N	97.328	W	5	G			1	OKLAHOMA. <TUL>. mbLg 2.4 (TUL).

	08	19 16 23.3?	7.62	S	128.47	E	160 ?	4.5		1.2	6	BANDA SEA
	08	19 19 09.1	45.834	N	26.909	E	77 *			0.8	14	ROMANIA
	08	19 49 50.6*	39.449	N	28.330	E	10 G			0.2	5	TURKEY
	08	21 11 08.2	6.687	S	130.438	E	113 *	4.4		1.3	26	BANDA SEA
	08	21 54 16.7	57.272	S	25.152	W	33 N	5.2		0.6	20	SOUTH SANDWICH ISLANDS REGION
	08	22 22 09.1*	51.186	N	16.001	E	10 G			0.6	5	POLAND. ML 3.5 (VKA).
	08	22 37 26.6*	38.316	N	22.048	E	12	4.2		1.3	18	GREECE. ML 3.4 (ATH).
	08	22 59 53.2*	5.786	S	152.592	E	30			1.5	11	NEW BRITAIN REGION
	08	23 53 41.6	8.154	S	148.760	E	59	5.4		1.0	69	EAST PAPUA NEW GUINEA REGION
	09	02 14 42.8%	15.368	N	60.677	W	33 N			1.5	8	LEEWARD ISLANDS
	09	02 15 08.7*	36.838	N	29.264	E	10 G			0.5	5	TURKEY
	09	04 13 47.0	23.800	N	121.389	E	10 G	4.5		1.2	20	TAIWAN
	09	04 16 13.0&	38.118	N	118.958	W	10				17	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK).
	09	04 24 52.3	38.992	N	20.840	E	10 G			0.8	13	GREECE. ML 3.6 (ATH).
	09	04 29 36.5	38.946	N	20.711	E	25	4.0		1.1	24	GREECE. ML 3.8 (ATH).
	09	06 45 29.5*	8.336	N	126.941	E	33 N	4.8		1.5	14	MINDANAO, PHILIPPINE ISLANDS
	09	06 46 50.3	0.119	N	121.063	E	165 *	4.7		0.9	35	MINAHASSA PENINSULA
	09	07 53 34.3	37.746	N	72.261	E	33 N	4.9		0.8	14	TAJIK SSR
	09	08 35 34.9*	27.789	N	99.698	E	33 N	4.1		1.5	6	YUNNAN PROVINCE, CHINA. ML 3.9 (BJI).
	09	09 12 36.1*	34.853	S	108.852	W	10 G	4.5	4.1	0.9	10	EASTER ISLAND CORDILLERA
	09	10 38 37.8*	15.755	S	75.806	W	10 G	4.8		1.4	13	NEAR COAST OF PERU
	09	12 42 51.5*	37.740	N	20.375	E	23	4.0		0.8	22	IONIAN SEA. ML 3.8 (ATH).
	09	14 09 49.7	6.245	N	123.833	E	547	4.9		0.9	66	MINDANAO, PHILIPPINE ISLANDS
	09	14 38 58.0*	32.340	S	67.508	W	10 G			1.2	8	MENDOZA PROVINCE, ARGENTINA
	09	16 43 14.3?	24.08	S	179.90	W	590 ?			0.6	13	SOUTH OF FIJI ISLANDS
	09	17 14 49.9?	14.96	N	60.75	W	100 G			0.4	7	WINDWARD ISLANDS
	09	17 17 48.2?	18.02	S	177.38	W	550 *	4.3		1.4	17	FIJI ISLANDS REGION
	09	17 17 52.2*	24.543	N	121.176	E	33 N	3.5		1.0	10	TAIWAN
	09	22 23 32.1?	42.89	N	18.18	E	10 G			0.6	6	YUGOSLAVIA. ML 2.4 (TTG).
	09	22 57 59.8%	45.167	N	4.081	E	10 G			1.2	9	FRANCE. ML 2.6 (LDG).
	09	23 48 50.2	12.439	N	86.602	W	123 D	4.8		1.1	134	NICARAGUA. Felt in the Managua-Masaya-Ciudad Dario oreo.
	10	00 45 15.6	13.659	S	76.038	W	33 N			1.2	11	NEAR COAST OF PERU. Felt (III) at Ica.
	10	02 17 10.1	4.110	S	131.490	E	26 *	5.0		1.1	46	BANDA SEA
	10	03 41 12.6%	45.753	N	2.903	E	10 G			0.4	10	FRANCE. ML 2.0 (LDG).
	10	04 35 41.1?	51.57	N	16.15	E	10			0.3	11	POLAND. ML 3.6 (GRF), 3.3 (VKA), 3.0 (KBA).
	10	06 53 45.8%	39.466	N	28.329	E	10 G			0.8	5	TURKEY
	10	07 33 14.7	9.522	S	107.716	E	40 D	5.1		0.8	64	SOUTH OF JAVA
	10	07 37 57.6*	32.853	S	71.569	W	33 N			1.0	11	NEAR COAST OF CENTRAL CHILE
	10	07 41 12.2*	5.236	S	144.763	E	33 N			1.4	6	PAPUA NEW GUINEA
	10	08 42 18.9*	24.143	S	179.727	E	571 ?	4.5		0.7	19	SOUTH OF FIJI ISLANDS
	10	09 53 10.0?	23.64	N	126.22	E	33 N			1.3	7	RYUKYU ISLANDS REGION
	10	10 00 18.4?	21.22	S	178.72	W	594 ?	4.6		0.5	8	FIJI ISLANDS REGION
	10	10 40 01.4	23.859	N	121.797	E	33 N	4.8		1.2	23	TAIWAN
	10	11 30 05.0&	37.585	N	77.468	W	1				6	VIRGINIA. <BLA-P>. mbLg 2.5 (BLA). Felt (V) in the Richmond oreo.
	10	11 32 01.4?	4.22	S	134.90	E	33 N	3.9		1.3	9	WEST IRIAN REGION
	10	12 57 27.6	7.061	N	76.106	W	27 *	4.5		1.0	17	NORTHERN COLOMBIA
	10	13 24 36.6*	27.874	S	176.596	W	33 N	4.6		0.9	8	KERMADEC ISLANDS REGION
	10	14 22 36.3*	40.314	N	19.986	E	10 G			0.9	8	ALBANIA
	10	15 26 11.9	61.807	N	79.397	W	10 G			1.2	12	HUDSON BAY. mbLg 3.6 (OTT).
	10	15 31 01.8?	31.99	S	69.41	W	33 N			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	10	17 14 58.3	21.926	S	138.917	W	0 G	5.2		0.6	68	TUAMOTU ARCHIPELAGO REGION
	10	17 45 19.8?	17.40	S	172.55	W	33 N	4.9		1.5	11	TONGA ISLANDS REGION
	10	17 52 16.3*	21.458	S	66.932	W	207 ?			0.9	6	SOUTHERN BOLIVIA
	10	18 44 34.6	41.936	N	19.555	E	10 G	3.3		1.5	22	ALBANIA. MD 3.5 (TTG).
o	10	19 35 55.2	4.756	N	126.528	E	75	5.3		1.0	93	TALAUD ISLANDS
	10	19 44 22.6	45.474	N	26.384	E	151	4.0		0.6	20	ROMANIA
	10	22 55 09.5	37.395	N	2.407	W	10 G			1.2	7	SPAIN. MG 2.9 (MDD).
o	10	23 55 21.0	24.968	N	121.813	E	104	5.2		1.0	127	TAIWAN. Felt on northern Toiwon.
	11	00 41 41.2	10.670	S	155.224	E	33 N	4.8	4.4	0.9	27	DENTRECASTEAUX ISLANDS REGION
	11	01 23 00.6&	35.090	N	101.605	W	5 G				6	TEXAS PANHANDLE REGION. <TUL>. mbLg 2.5 (TUL).
	11	02 09 57.4?	51.16	N	20.11	E	10 G			1.2	8	POLAND. ML 2.5 (VKA).
	11	03 52 32.5	43.138	N	26.078	E	10 G			1.2	16	BULGARIA
	11	04 24 37.6*	41.379	N	23.084	E	10 G			1.2	7	GREECE-BULGARIA BORDER REGION. ML 2.0 (VAY).
	11	04 28 07.5*	35.067	N	136.778	E	10 G			1.5	6	SOUTHERN HONSHU, JAPAN. Felt (III JMA) at Nagoyo and (I JMA) at Tsu. Power wos lost in some areas near Nagoya.
	11	04 29 24.7*	3.328	N	122.583	E	536 ?	'4.4		1.0	12	CELEBES SEA
	11	04 40 33.3*	35.069	N	136.768	E	10 G			0.3	5	SOUTHERN HONSHU, JAPAN. Felt (I JMA) ot Nagoya and Tsu.
	11	04 46 09.7	17.228	N	61.380	W	54	5.4		0.7	161	LEEWARD ISLANDS. Felt (IV) on Guadelaupe.
	11	07 15 26.5?	27.32	N	53.78	E	33 N	4.2		1.5	7	SOUTHERN IRAN
	11	09 17 08.8&	37.568	N	121.668	W	4				13	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	11	09 30 38.0*	29.997	S	177.790	W	50 *	5.2	4.2	1.2	25	KERMADEC ISLANDS
	11	12 58 11.9?	5.93	S	122.83	E	33 N	4.5		1.3	10	SULAWESI
	11	14 18 05.3&	37.568	N	121.665	W	4				24	CENTRAL CALIFORNIA. <BRK>. ML 4.1 (BRK). Mo=2.6*10**22 (BRK). Felt (IV) ot Livermore and San Jose. Felt in Alameda, Contro Costa, San Joaquin, Sonta Claro and Sonto Cruz Counties.
	11	14 42 56.2	24.073	N	121.955	E	33 N	4.3		1.2	16	TAIWAN
	11	15 14 48.4&	37.570	N	121.660	W	3				11	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	11	15 23 40.4*	58.909	S	61.493	W	10 G	5.0		1.3	11	DRAKE PASSAGE
	11	16 08 26.2	5.917	S	154.520	E	418	4.8		1.2	34	SOLOMON ISLANDS
	11	16 29 32.9*	26.701	S	177.809	W	95 ?	5.0		1.3	21	SOUTH OF FIJI ISLANDS
	11	16 46 11.1*	16.891	N	96.627	W	52 *	4.6	4.3	0.9	20	OAXACA, MEXICO. Felt ot Pinotepo Nacionol, Oaxaca and Mexico City.
	11	18 57 53.8	25.769	N	125.289	E	132	5.0		1.0	82	SOUTHWESTERN RYUKYU ISLANDS. Felt (I JMA) on Miyoko-jimo.
o	11	19 56 12.5	10.488	S	160.715	E	61	5.5		1.1	163	SOLOMON ISLANDS. Felt (I) at Honioro.
	11	22 26 42.7	18.441	N	146.877	E	51 *	5.4	5.0	1.1	167	MARIANA ISLANDS
	11	22 31 39.5*	46.568	N	154.113	E	33 N	5.1	4.7	1.0	57	KURIL ISLANDS REGION
	11	23 07 24.1&	37.573	N	121.663	W	5				14	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	12	00 55 32.0?	24.85	S	176.04	W	33 N	4.7	4.2	1.2	9	SOUTH OF FIJI ISLANDS
	12	00 57 32.0	27.626	N	66.204	E	33 N	4.5		0.9	19	PAKISTAN

	12	01	04	47.0*	27.599	S	176.248	W	33	N	5.0		1.1	39	KERMADEC ISLANDS REGION
	12	01	28	49.3	43.133	N	26.115	E	10	G			1.3	14	BULGARIA
	12	02	04	06.6*	43.237	N	26.303	E	10	G			0.4	6	BULGARIA
	12	02	13	07.6*	26.698	S	177.740	W	33	N	4.9	4.5	1.2	14	SOUTH OF FIJI ISLANDS
	12	02	19	40.6&	37.468	N	118.527	W	2					25	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.7 (BRK), 3.3 (PAS).
	12	02	32	23.7?	46.68	N	153.74	E	33	N	4.8		1.0	11	KURIL ISLANDS
	12	03	11	04.0	6.867	N	76.213	W	61	*	4.5		1.2	36	NORTHERN COLOMBIA
a	12	03	17	55.9*	26.686	S	177.726	W	33	N	4.9	4.8	1.5	36	SOUTH OF FIJI ISLANDS
	12	03	32	51.6*	26.596	S	177.767	W	33	N	5.2	4.6	1.4	46	SOUTH OF FIJI ISLANDS
	12	03	34	16.2*	14.954	S	167.007	E	250	*	4.1		1.5	37	VANUATU ISLANDS
	12	04	28	29.6	26.577	S	177.864	W	69	D	5.1		1.2	43	SOUTH OF FIJI ISLANDS
	12	04	37	58.3?	20.07	S	64.01	W	141	?			0.9	6	SOUTHERN BOLIVIA
	12	05	03	12.6?	26.48	S	177.37	W	33	N	4.3		0.7	6	SOUTH OF FIJI ISLANDS
a	12	06	58	51.3*	26.861	S	177.741	W	33	N	5.1	4.6	1.2	20	SOUTH OF FIJI ISLANDS
	12	08	28	29.2*	31.910	S	68.651	W	33	N			1.4	12	SAN JUAN PROVINCE, ARGENTINA
a	12	10	29	50.6*	26.929	S	177.693	W	33	N	4.9	4.7	1.3	30	SOUTH OF FIJI ISLANDS
	12	11	39	24.7*	39.771	N	142.965	E	53	*	4.2		1.4	18	NEAR EAST COAST OF HONSHU, JAPAN
	12	13	55	13.3%	39.349	N	28.952	E	10	G			1.0	12	TURKEY
	12	14	35	33.8	11.226	S	165.163	E	33	N	4.9		1.1	33	SANTA CRUZ ISLANDS
	12	15	25	50.3?	37.51	N	21.48	E	33	N	3.6		1.8	6	SOUTHERN GREECE. ML 3.2 (ATH).
a	12	15	42	32.6	17.934	S	178.604	W	587		5.3		1.0	131	FIJI ISLANDS REGION
	12	15	50	48.8*	26.385	S	177.827	W	48	D	4.9	5.4	1.4	32	SOUTH OF FIJI ISLANDS
a	12	15	55	30.8	7.115	S	107.392	E	89		5.2		1.1	90	JAVA
	12	16	33	30.7	72.970	N	4.804	E	10	G	4.6		1.1	45	NORWEGIAN SEA
	12	16	56	39.8*	6.123	S	75.112	W	53	?	4.6		0.8	11	NORTHERN PERU
	12	18	10	43.0&	61.901	N	149.915	W	49					35	SOUTHERN ALASKA. <AGS-P>.
	12	18	44	17.0&	62.681	N	150.626	W	96					19	CENTRAL ALASKA. <AGS-P>.
	12	18	54	40.5?	26.60	S	177.45	W	33	N	4.8	4.1	0.9	10	SOUTH OF FIJI ISLANDS
	12	19	29	52.7	43.264	N	26.076	E	10	G	4.3		1.3	83	BULGARIA. ML 5.0 (TTG).
	12	21	33	20.4?	44.61	N	16.41	E	10	G			1.0	6	YUGOSLAVIA. MG 2.3 (VOY).
	12	21	50	22.3*	39.171	N	22.438	E	10	G			0.8	5	GREECE. ML 3.0 (ATH).
	12	23	51	47.4&	61.893	N	150.123	W	56					17	SOUTHERN ALASKA. <AGS-P>.
	13	01	47	06.4&	38.315	N	122.163	W	10					14	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=2.6*10**21 (BRK). Felt at Fairfield and Vacaville.
	13	04	01	37.5	34.707	N	24.398	E	33	N	4.0		1.2	12	CRETE. ML 3.4 (ATH).
	13	04	52	23.5*	32.854	S	71.583	W	23	*			1.4	12	NEAR COAST OF CENTRAL CHILE
	13	07	49	17.3*	27.367	S	176.563	W	33	N	5.2		1.2	37	KERMADEC ISLANDS REGION
	13	08	57	32.3	7.397	N	82.598	W	33	N	4.3		0.9	19	SOUTH OF PANAMA
	13	10	16	51.0	34.242	N	135.126	E	10				1.1	12	NEAR S. COAST OF SOUTHERN HONSHU. Felt (III JMA) at Wokayomo, Honshu and (II JMA) at Tokushima, Shikoku.
	13	10	20	17.5&	37.563	N	121.668	W	4					15	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	13	10	39	49.7*	28.205	N	139.000	E	528	*	4.1		0.8	19	BONIN ISLANDS REGION
	13	13	44	10.1	37.522	N	25.128	W	10	G	4.3		0.8	17	AZORES ISLANDS
	13	15	08	52.6*	18.594	S	178.173	W	482	*	4.4		0.8	17	FIJI ISLANDS REGION
	13	15	09	27.2*	25.243	S	178.717	W	33	N	4.4		1.0	9	SOUTH OF FIJI ISLANDS
	13	15	52	26.5*	9.666	S	79.902	W	33	N			1.0	10	OFF COAST OF NORTHERN PERU. Felt (IV) at Chimbote and Cosma.
	13	17	00	10.6*	0.849	N	28.304	W	10	G	4.8	4.6	1.3	15	CENTRAL MID-ATLANTIC RIDGE
	13	17	06	59.5	37.391	N	3.517	W	10	*			0.8	11	SPAIN. MG 3.4 (MDD). Felt (V) at Iznalloz, and (IV) at Venta de Andar and Deifontes.
	13	17	20	25.7*	11.459	N	125.569	E	69	*	4.7		0.9	18	SAMAR, PHILIPPINE ISLANDS
	13	17	33	39.9*	51.287	N	15.729	E	10	G			1.2	13	POLAND. ML 4.0 (GRF), 4.0 (VKA).
	13	17	50	05.0&	37.263	N	116.412	W	0		5.5			212	SOUTHERN NEVADA. <DOE>. ML 5.3 (BRK). 37° 15' 46.64" N., 116° 24' 42.06" W., Surface Elev. 2018 m., Depth of Burial 600 m., Shot Time 175005.093, "BODIE", Nevada Test Site (Dept. of Energy).
a	13	18	02	21.5*	26.719	S	177.755	W	33	N	5.6	5.1	1.3	59	SOUTH OF FIJI ISLANDS
	13	18	12	06.3*	44.213	N	114.010	W	5	G			0.6	8	WESTERN IDAHO. ML 3.2 (NEIS).
a	13	18	31	52.4	17.955	S	167.655	E	17	*	5.5	5.6	1.3	163	VANUATU ISLANDS
	14	00	11	31.2	32.727	N	137.723	E	352		5.1		0.8	241	SOUTH OF HONSHU, JAPAN
	14	00	41	45.3&	60.233	N	153.156	W	133					22	SOUTHERN ALASKA. <AGS-P>.
	14	00	43	18.6?	58.10	N	6.67	E	10	G			1.0	6	SOUTHERN NORWAY. MD 2.4 (BER).
	14	01	35	46.6*	6.719	N	73.306	W	147	*	4.0		1.0	12	NORTHERN COLOMBIA
	14	02	44	28.0*	38.550	N	26.906	E	10	G			0.7	5	AEGEAN SEA
	14	03	05	41.5?	53.54	S	134.22	W	10	G	4.6	4.8	1.1	11	SOUTH PACIFIC CORDILLERA
	14	03	19	16.7*	47.311	N	83.312	E	33	N	5.0		0.9	17	KAZAKH-XINJIANG BORDER REGION
	14	04	41	13.4*	22.685	S	67.473	W	197	*	5.0		1.3	10	CHILE-BOLIVIA BORDER REGION
	14	04	52	58.1?	26.76	S	178.02	W	214	?	4.7		1.1	12	SOUTH OF FIJI ISLANDS
	14	05	43	44.9*	5.108	S	130.262	E	70	?	4.7		1.2	15	BANDA SEA
	14	05	58	59.2?	61.37	N	4.48	E	10	G			0.6	5	SOUTHERN NORWAY. MD 2.2 (BER).
	14	07	28	06.1?	17.84	N	100.33	W	101	?	4.3		1.0	12	GUERRERO, MEXICO
	14	07	40	40.8	38.901	N	21.808	E	31		4.4		1.2	52	GREECE. ML 4.2 (TTG), 3.8 (ATH). Felt in the Karpenisian orea.
a	14	07	42	17.9	18.045	S	174.957	W	265		5.0		1.3	121	TONGA ISLANDS
	14	08	39	29.4	30.736	N	138.608	E	409	*	4.6		0.8	33	SOUTH OF HONSHU, JAPAN
	14	08	53	01.4*	17.948	S	167.612	E	10	G	4.7		1.5	24	VANUATU ISLANDS
	14	09	09	18.0	27.526	N	54.363	E	33	N	4.7		1.1	80	SOUTHERN IRAN
	14	09	49	18.7*	38.922	N	21.757	E	25		3.8		0.8	16	GREECE. ML 3.2 (ATH).
	14	10	29	50.4*	43.155	N	25.952	E	10	G			0.9	6	BULGARIA
	14	11	22	52.7*	17.964	S	167.791	E	10	G	5.0		1.5	12	VANUATU ISLANDS
	14	11	34	17.1*	17.927	S	178.327	W	627		5.0		0.9	29	FIJI ISLANDS REGION
	14	11	56	18.5&	34.959	N	96.642	W	5	G				3	OKLAHOMA. <TUL>. MD 1.6 (TUL).
	14	12	17	34.9?	65.70	N	168.83	W	33	N			1.3	7	BERING STRAIT
	14	14	48	31.0	41.861	N	19.782	E	10	G			0.4	9	ALBANIA. ML 2.4 (TTG).
	14	14	54	41.0?	51.70	N	16.33	E	10	G			0.6	8	POLAND. ML 3.3 (VKA).
	14	15	05	14.7*	32.786	S	71.680	W	33	N			0.4	13	NEAR COAST OF CENTRAL CHILE
	14	15	46	13.9*	17.871	S	175.419	W	305	*	4.6		1.2	43	TONGA ISLANDS
	14	16	36	04.1%	60.861	N	5.057	E	10	G			0.5	5	SOUTHERN NORWAY. MD 1.7 (BER).
	14	22	58	51.9&	38.857	N	122.415	W	10					16	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	14	23	00	23.0&	38.842	N	122.412	W	9					13	NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=1.3*10**22 (BRK).
	14	23	35	08.3*	26.817	S	176.368	W	33	N	5.3		1.3	50	SOUTH OF FIJI ISLANDS

	15	02	18	44.4	71.359	N	9.467	W	10	G	4.8	3.9	1.0	44	JAN MAYEN ISLAND REGION
	15	04	49	41.5&	59.831	N	152.922	W	86					25	SOUTHERN ALASKA. <AGS-P>.
	15	10	05	53.5%	38.976	N	26.648	E	10	G			1.6	5	AEGEAN SEA
	15	13	19	16.8*	8.074	N	83.138	W	10	G			0.6	6	COSTA RICA. MD 4.0 (HDC).
	15	13	48	43.7?	26.51	S	177.49	W	33	N	4.6		0.9	8	SOUTH OF FIJI ISLANDS
	15	14	55	08.2*	34.853	N	22.964	E	47	*	4.6		1.5	29	MEDITERRANEAN SEA
	15	15	40	30.3*	17.745	S	167.577	E	10	G	4.5		1.3	8	VANUATU ISLANDS
	15	15	57	25.8*	51.362	N	15.831	E	5	G			1.8	6	POLAND
	15	18	12	02.0*	41.666	N	32.449	E	10	G			0.7	5	TURKEY
	15	18	47	52.7?	17.83	N	122.74	E	33	N			1.2	5	LUZON, PHILIPPINE ISLANDS
	15	19	54	33.2%	40.029	N	27.579	E	9	*			0.9	7	TURKEY
a	15	20	31	20.4	15.826	S	177.605	W	438		5.1		1.1	115	FIJI ISLANDS REGION
	15	20	42	13.2*	61.494	N	146.730	W	33	N			1.0	7	SOUTHERN ALASKA. ML 3.0 (PMR).
	15	20	42	26.6*	38.742	N	27.081	E	10	G			1.0	6	TURKEY
	15	20	50	27.6	44.377	N	114.152	W	5	G			0.3	6	WESTERN IDAHO. ML 2.8 (NEIS).
	15	21	18	26.9*	17.387	S	167.699	E	10	G	4.0	3.8	1.0	5	VANUATU ISLANDS
	15	23	25	56.2*	37.228	N	114.858	E	33	N			1.3	5	NORTHEASTERN CHINA. ML 3.7 (BJI).
	16	00	17	32.0*	39.490	N	20.786	E	10	G			1.2	8	GREECE-ALBANIA BORDER REGION
	16	04	03	23.3	25.148	S	179.866	E	480	*	4.9		1.0	59	SOUTH OF FIJI ISLANDS
	16	04	28	48.7*	35.902	S	136.701	E	33	N			1.4	13	NEAR SOUTH COAST OF AUSTRALIA. ML 4.6 (TOO). Felt (III) at Adelaide.
	16	05	35	39.4	63.653	N	147.458	W	107	?			0.6	11	CENTRAL ALASKA
	16	06	07	34.5*	2.737	N	79.798	W	33	N	3.6		1.1	10	SOUTH OF PANAMA
	16	06	22	51.1	45.055	N	14.799	E	10	G	4.7		1.2	128	YUGOSLAVIA. ML 5.0 (FUR), 4.5 (VKA). Felt (VIII) in the Rijeka-Karlavac-Senj area. Felt (IV) at Trieste and Manfalcone, Italy.
	16	07	58	24.2&	61.903	N	150.945	W	68					24	SOUTHERN ALASKA. <AGS-P>.
	16	08	12	27.6*	29.215	S	67.549	W	151	?			0.3	6	LA RIOJA PROVINCE, ARGENTINA
a	16	08	18	27.7	18.012	S	167.658	E	10	G	5.2	5.1	1.2	83	VANUATU ISLANDS
	16	09	44	37.7*	32.055	S	67.742	W	32	*			1.0	11	MENDOZA PROVINCE, ARGENTINA
a	16	10	27	21.6	51.629	N	175.388	W	33	N	5.1	4.4	1.0	116	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR). Felt (IV) an Adak.
	16	11	00	27.1?	50.66	N	5.47	E	10	G			1.8	5	BELGIUM
	16	12	56	24.6?	16.76	N	61.79	W	33	N			0.4	6	LEEWARD ISLANDS. ML 3.2 (FDF).
	16	14	31	18.9%	60.693	N	5.620	E	0	G			0.5	6	SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion.
	16	15	03	52.2?	33.44	S	68.88	W	33	N			1.1	6	MENDOZA PROVINCE, ARGENTINA
	16	15	27	10.5*	29.174	S	67.677	W	159	?			1.1	14	LA RIOJA PROVINCE, ARGENTINA
	16	15	55	41.4%	44.737	N	6.802	E	10	G			0.4	14	FRANCE. ML 3.0 (LDG).
	16	16	21	47.2	10.870	N	61.978	W	131		4.1		1.0	20	TRINIDAD. Felt (III) on Trinidad.
	16	17	11	03.0?	21.56	S	179.34	W	466	*	4.2		1.4	26	FIJI ISLANDS REGION
	16	17	26	29.8&	60.958	N	146.995	W	14					48	SOUTHERN ALASKA. <AGS-P>. ML 3.7 (PMR).
	16	17	44	44.1*	16.411	S	174.526	W	121	?	4.6		1.4	32	TONGA ISLANDS
	16	17	45	17.5%	41.698	N	22.149	E	10	G			0.5	6	YUGOSLAVIA. ML 2.7 (SKO).
	16	17	48	41.5&	40.342	N	124.568	W	17					6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
	16	17	57	30.1%	16.363	N	61.500	W	33	N			0.3	5	LEEWARD ISLANDS. ML 3.2 (PAG).
	16	18	35	53.7?	17.82	S	174.59	W	33	N	4.8		1.0	6	TONGA ISLANDS
	16	18	46	15.9	11.046	S	165.129	E	33	N	5.1	4.0	0.9	59	SANTA CRUZ ISLANDS
	16	19	23	59.9	39.411	N	28.418	E	10	G			1.2	12	TURKEY
	16	20	00	46.5?	30.80	N	130.43	E	158	?	4.1		1.5	9	KYUSHU, JAPAN
	16	21	22	24.2*	2.522	S	139.801	E	42	?	4.1	3.6	1.4	30	NEAR N. COAST OF WEST IRIAN
	16	22	33	56.1	45.610	N	26.451	E	146		4.7		1.0	135	ROMANIA. Felt (V) in the Vrancea area and (III) at Bucharest. Also felt (V) in southern Moldavia and (IV) at Kishinev, USSR.
	16	22	49	35.7*	36.319	N	70.840	E	130	*	3.9		0.9	8	HINDU KUSH REGION
	16	23	16	32.1?	27.69	N	53.86	E	33	N	4.1		0.9	9	SOUTHERN IRAN
	16	23	24	55.2*	13.967	S	75.947	W	70	*			0.7	10	PERU
	17	00	05	18.8?	21.32	S	172.33	E	33	N	4.4		1.5	8	LOYALTY ISLANDS REGION
	17	01	11	38.9*	26.618	S	177.590	W	33	N	4.9	5.1	1.4	22	SOUTH OF FIJI ISLANDS
	17	01	28	58.1	30.440	S	71.259	W	71		4.9		1.1	34	NEAR COAST OF CENTRAL CHILE. Felt (V) at Ovalle, Andacalla, Punitaqui, Las Vilas, La Serena and Illapel.
	17	01	40	43.6*	5.730	S	147.145	E	164	*	4.8		1.5	11	EAST PAPUA NEW GUINEA REGION
	17	03	59	32.3&	59.688	N	153.231	W	104					22	SOUTHERN ALASKA. <AGS-P>.
	17	08	21	29.9%	39.469	N	28.438	E	10	G			0.1	5	TURKEY
a	17	08	31	30.3	36.539	N	71.125	E	225	D	5.1		1.1	181	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Kharog, Nurek, Dushanbe, Obigarm, Ishkashim, Kulab, Gissar and Chuyangaran; (II) at Samarkand and Tashkent, USSR. Felt in the Islamabad-Peshawar-Rawalpindi area, Pakistan. Also felt in the Srinagar area, Kashmir.
	17	08	37	01.2%	60.153	N	4.922	E	10	G			0.1	7	SOUTHERN NORWAY. MD 2.0 (BER).
	17	09	50	54.0	8.533	S	74.393	W	145	*	4.9		1.4	57	PERU-BRAZIL BORDER REGION
	17	11	32	03.8?	66.30	N	150.13	W	10	G			2.3	5	ALASKA. ML 3.3 (PMR).
	17	12	34	59.4*	31.786	S	68.327	W	122	*			1.2	11	SAN JUAN PROVINCE, ARGENTINA
	17	14	32	53.4%	60.714	N	5.560	E	0	G			1.2	5	SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion.
	17	14	47	30.4*	34.851	N	28.150	E	33	N			1.3	8	EASTERN MEDITERRANEAN SEA
	17	15	03	02.3	39.468	N	23.448	E	10	G			0.9	9	AEGEAN SEA. ML 3.1 (ATH). Felt at Volos, Greece.
	17	16	43	02.1*	2.134	S	135.710	E	33	N	4.2	3.5	1.0	8	WEST IRIAN REGION
	17	17	13	19.8	36.790	N	135.275	E	361		4.6		0.8	89	SEA OF JAPAN
	17	18	51	03.6?	24.62	S	179.97	W	677	?	4.8		1.2	21	SOUTH OF FIJI ISLANDS
	17	19	23	13.6?	47.83	N	2.29	W	10	G			1.1	6	FRANCE. ML 3.0 (LDG).
	17	21	18	35.1	39.843	N	19.873	E	43		4.9	4.1	1.4	165	GREECE-ALBANIA BORDER REGION. Felt on Corfu.
	17	22	01	47.0	43.257	N	26.089	E	23		4.4		1.3	92	BULGARIA. ML 4.8 (SKO), 4.3 (TTG). Some damage (V) in the Popovo-Strashitsa area.
	17	23	42	39.8?	13.02	S	77.51	W	33	N			1.1	9	OFF COAST OF PERU. Felt (II) at Lima.
	17	23	50	26.5	39.382	N	28.973	E	10	G			0.8	8	TURKEY
	17	23	53	18.7	39.390	N	29.006	E	10	G			1.2	6	TURKEY
	18	00	08	45.0&	61.445	N	151.439	W	72					34	SOUTHERN ALASKA. <AGS-P>.
	18	00	23	35.2%	40.122	N	29.305	E	10	G			1.0	5	TURKEY
	18	00	46	38.1	47.339	N	10.803	E	5				1.4	19	AUSTRIA. ML 2.9 (KBA), 3.1 (LDG).
	18	01	49	31.7	42.372	N	18.929	E	10	G			1.0	7	YUGOSLAVIA. ML 2.3 (TTG).
	18	01	54	10.6	51.357	N	174.486	W	33	N	4.8		1.1	52	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	03	46	30.6	51.708	N	179.033	E	68	D	5.4		1.0	120	RAT ISLANDS, ALEUTIAN ISLANDS
	18	07	23	30.0	36.568	N	71.353	E	182	D	4.7		0.9	81	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog and Dushanbe; (II) at Lyangar, USSR.

	18	08 32 20.0*	12.161	N	143.390	E	33	N	4.6		1.3	15	SOUTH OF MARIANA ISLANDS
	18	09 43 24.6&	62.356	N	151.208	W	84					27	CENTRAL ALASKA. <AGS-P>.
	18	09 48 08.0	39.451	N	28.429	E	10	G			0.7	10	TURKEY
	18	11 15 04.2*	11.444	S	118.712	E	33	N	3.5		0.7	6	SOUTH OF SUMBAWA ISLAND
	18	11 45 23.9	45.177	N	14.806	E	12				1.1	41	YUGOSLAVIA. ML 3.7 (KBA), 3.6 (LDG). MD 3.5 (TRI). Felt (VI) at Senj. Also felt at Crikvenico and on Krk.
	18	12 05 37.5?	45.23	N	14.81	E	10	G			1.4	6	YUGOSLAVIA. MD 2.5 (TRI).
	18	12 30 07.9	33.190	S	70.127	W	12				1.2	12	CHILE-ARGENTINA BORDER REGION
	18	13 21 38.5?	17.36	S	179.34	W	552		4.8		1.3	33	FIJI ISLANDS REGION
	18	13 28 55.5%	60.372	N	5.267	E	0	G			0.3	6	SOUTHERN NORWAY. MD 1.6 (BER). Probable explosion.
	18	13 52 21.1%	60.427	N	4.864	E	0	G			0.7	7	SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion.
	18	14 31 24.6?	26.44	S	177.55	W	33	N	4.9	4.2	1.1	8	SOUTH OF FIJI ISLANDS
	18	15 34 22.8?	26.20	S	177.36	W	33	N	4.5	4.6	1.5	8	SOUTH OF FIJI ISLANDS
	18	15 38 02.7	9.783	N	125.353	E	33	N	5.1	4.3	1.2	71	MINDANAO, PHILIPPINE ISLANDS. Felt (I RF) at Cagayan de Oro.
	18	16 32 03.6?	2.85	S	101.73	E	104	?			0.3	5	SOUTHERN SUMATERA
	18	16 41 51.2	9.971	N	125.288	E	36	*	4.2	4.0	1.2	33	MINDANAO, PHILIPPINE ISLANDS
	18	17 16 14.7	43.305	N	26.066	E	6		4.5		1.3	72	BULGARIA. Felt (VI) in the Strazhitsa area. Felt (III) in many parts of Bulgaria.
	18	17 28 30.8	6.357	S	154.706	E	58	*	4.6	4.3	1.3	32	SOLOMON ISLANDS. Felt (III) at Arawa and Panguna, Bougainville.
	18	17 30 17.6&	35.920	N	118.360	W	6	G				5	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	18	18 04 16.8?	61.60	N	143.54	E	33	N	4.8		0.9	12	EASTERN SIBERIA
	18	18 26 10.7*	32.504	S	70.738	W	89	*			0.4	13	CHILE-ARGENTINA BORDER REGION
	18	18 40 27.4&	38.402	N	119.322	W	10					8	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK).
	18	20 01 59.5?	50.30	N	19.24	E	10	G			1.8	5	POLAND. ML 2.8 (KRA). Three people killed and 5 injured in the Zabrze-Bielszawice mine near Katowice.
	18	20 17 15.2&	58.890	N	152.275	W	69					12	KODIAK ISLAND REGION. <AGS-P>.
	18	20 24 21.0	51.250	N	15.730	E	10	G			0.6	12	POLAND. ML 3.8 (GRF), 3.8 (KBA), 3.6 (VKA).
	18	20 48 33.6	2.575	N	128.528	E	227	*	4.7		1.2	28	HALMAHERA
	18	21 56 13.3?	35.86	S	71.33	W	158	?			0.3	12	CENTRAL CHILE
	18	22 26 03.0	36.151	N	69.404	E	148	*	4.5		1.1	16	HINDU KUSH REGION
	18	22 48 47.1	50.228	N	2.918	E	10	G			0.8	8	FRANCE. ML 2.9 (LDG).
	18	23 39 15.8	43.190	N	26.144	E	10	G			1.0	14	BULGARIA
	19	01 10 13.9?	12.22	N	124.37	E	127	?	3.8		1.6	6	SAMAR, PHILIPPINE ISLANDS
	19	01 15 19.9?	11.94	N	88.36	W	33	N	4.4		0.7	14	OFF COAST OF CENTRAL AMERICA
f	19	03 41 55.3	9.917	S	119.201	E	25	G	5.7	6.2	1.4	163	SUMBA ISLAND REGION. Depth from broadband displacement seismograms.
	19	03 47 46.9&	59.207	N	153.572	W	99					20	SOUTHERN ALASKA. <AGS-P>.
	19	04 19 52.1?	36.26	N	31.92	E	10	G			1.3	5	TURKEY
	19	05 05 28.6	4.890	S	153.496	E	72	*	4.6		1.1	15	NEW IRELAND REGION
	19	05 47 29.0	33.071	S	72.084	W	33	N	5.0		1.3	32	OFF COAST OF CENTRAL CHILE. Several people were injured and 16 homes and 12 vehicles were damaged or destroyed due to flooding caused by the rupture of a large water main at Valparaiso.
	19	06 11 19.5?	45.16	N	14.84	E	10	G			1.6	8	YUGOSLAVIA. MD 3.0 (TRI), ML 2.9 (KBA).
	19	06 17 39.5?	11.78	N	88.55	W	33	N	4.4		1.2	8	OFF COAST OF CENTRAL AMERICA
	19	06 32 11.4*	10.454	S	78.978	W	20		4.8		1.4	31	NEAR COAST OF PERU. Felt (IV) at Huarmey; (III) at Casma, Chimbote and Barranca.
	19	06 44 52.0*	38.108	N	26.978	E	10	G			1.0	9	AEGEAN SEA
	19	06 48 45.0?	37.69	N	25.89	E	33	N			1.5	7	DODECANESE ISLANDS. ML 3.6 (ATH).
	19	07 02 18.2%	37.937	N	26.943	E	10	G			1.2	6	DODECANESE ISLANDS
	19	07 33 17.8?	11.22	S	119.62	E	33	N			0.9	6	SOUTH OF SUMBA ISLAND
	19	07 42 56.6*	38.104	N	27.132	E	10	G			1.0	7	TURKEY
	19	07 48 26.7	15.293	N	120.080	E	83		5.3		0.9	94	LUZON, PHILIPPINE ISLANDS
	19	08 22 37.3?	33.20	S	71.56	W	33	N			1.4	10	NEAR COAST OF CENTRAL CHILE
	19	09 01 04.6&	32.970	N	117.830	W	10					8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	19	09 06 12.4*	24.386	S	67.246	W	192	*			0.4	6	CHILE-ARGENTINA BORDER REGION
	19	09 48 59.5?	15.95	N	60.91	W	33	N			0.2	6	LEEWARD ISLANDS. ML 2.3 (FDF).
	19	10 11 12.9?	38.26	N	27.06	E	10	G			0.9	5	TURKEY
	19	10 22 51.5*	15.219	S	165.999	E	70	*	4.3		1.1	12	VANUATU ISLANDS
a	19	10 39 11.4	12.547	N	88.432	W	33	N	5.1	4.6	1.2	59	OFF COAST OF CENTRAL AMERICA
	19	11 25 37.0&	62.249	N	150.917	W	71					36	CENTRAL ALASKA. <AGS-P>.
	19	11 55 45.0	12.551	N	88.531	W	33	N	5.1		1.2	51	OFF COAST OF CENTRAL AMERICA
	19	12 09 56.4*	44.112	N	16.383	E	10	G			1.1	8	YUGOSLAVIA. MD 3.2 (TRI), ML 2.8 (TTG).
a	19	13 50 10.3	51.517	N	176.977	W	33	N	5.3		1.1	82	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (V) on Adak.
	19	14 42 28.1%	60.313	N	5.282	E	0	G			0.7	7	SOUTHERN NORWAY. MD 1.6 (BER). Probable explosion.
	19	16 11 18.1*	39.649	N	38.565	E	11	*	4.2		1.4	16	TURKEY
	19	16 58 21.8*	7.770	S	151.003	E	33	N	4.5		1.4	7	NEW BRITAIN REGION
	19	18 26 21.6	7.771	S	150.829	E	37	*	4.6		1.3	31	NEW BRITAIN REGION
	19	19 23 11.8?	43.17	N	17.62	E	10	G			1.5	6	YUGOSLAVIA. ML 3.0 (TTG).
	19	20 48 03.8?	12.07	S	119.34	E	33	N			0.8	6	SOUTH OF SUMBA ISLAND
	19	21 17 29.3?	61.96	N	124.86	W	10	G			0.3	4	NORTHWEST TERRITORIES, CANADA
	19	23 41 15.9	36.747	N	3.333	E	10	G			0.8	21	ALGERIA
	20	00 01 42.0&	59.975	N	152.358	W	87					20	SOUTHERN ALASKA. <AGS-P>.
	20	00 09 47.0?	10.69	S	117.44	E	33	N	3.5		1.5	5	SOUTH OF SUMBAWA ISLAND
	20	00 36 46.8*	39.367	N	28.362	E	10	G			1.2	8	TURKEY
	20	02 19 41.8&	37.453	N	121.802	W	6					20	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=3.6*10**21 (BRK). Felt (III) at Milpitas, Santa Clara and San Jose.
	20	04 17 07.7*	46.089	N	14.351	E	10	G			0.4	5	YUGOSLAVIA
	20	04 45 52.5?	9.65	S	116.93	E	33	N			0.9	6	SUMBAWA ISLAND REGION
a	20	05 04 38.6	7.710	S	75.460	W	37		5.4	4.3	1.1	86	NORTHERN PERU
	20	07 18 47.5*	44.335	N	114.454	W	5	G			0.4	6	WESTERN IDAHO. ML 3.0 (NEIS).
	20	07 37 06.5?	6.98	S	150.83	E	33	N	4.2		1.4	6	NEW BRITAIN REGION
a	20	07 59 01.4	28.215	S	176.702	W	33	N	5.4	5.5	1.5	54	KERMADEC ISLANDS REGION
a	20	08 21 23.3	28.182	S	176.859	W	44	D	5.5	5.9	1.3	165	KERMADEC ISLANDS REGION
	20	10 20 19.4*	37.502	N	72.900	E	33	N	4.4		1.2	9	TAJIK SSR
	20	10 40 00.6	41.983	N	19.515	E	10	G			1.0	11	ALBANIA. MD 3.0 (TTG).
	20	12 04 46.4?	38.61	S	143.59	E	10	G	3.4		1.4	8	NEAR S.E. COAST OF AUSTRALIA. ML 3.4 (TOO), 3.3 (BFD).
	20	12 34 55.7?	16.48	N	61.13	W	33	N			0.2	6	LEEWARD ISLANDS. ML 2.6 (FDF).
	20	13 15 31.0&	40.999	N	73.831	W	5					14	NEW YORK. <PAL-P>. CL 1.9 (PAL). Felt in the Ardsley area.

	20	13	16	46.9?	47.83	N	151.50	E	190	?	4.5		1.2	11	KURIL ISLANDS
	20	13	17	14.0?	20.63	S	67.74	E	10	G			0.6	10	MID-INDIAN RISE
	20	14	51	47.0*	21.640	S	178.619	W	529	*	5.4		1.2	58	FIJI ISLANDS REGION
	20	16	10	21.4&	60.582	N	151.759	W	92					16	KENAI PENINSULA, ALASKA. <AGS-P>.
	20	17	57	54.5%	44.468	N	7.211	E	10	G			0.4	5	NORTHERN ITALY. ML 2.9 (LDG).
	20	18	05	36.9*	13.877	N	91.716	W	69		4.8		1.2	37	NEAR COAST OF GUATEMALA
	20	19	00	31.4*	51.230	N	15.874	E	10	G			0.9	9	POLAND
	20	19	26	48.3?	40.30	N	124.30	W	10	G			0.7	5	NEAR COAST OF NORTHERN CALIF. ML 2.7 (BRK).
	20	19	45	34.2&	40.382	N	124.515	W	19					16	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK). Felt (III) at Rio Dell.
	20	19	55	49.5*	32.896	S	71.360	W	33	N			1.0	13	NEAR COAST OF CENTRAL CHILE
	20	20	16	53.3	33.033	S	71.805	W	50		4.9		1.1	40	NEAR COAST OF CENTRAL CHILE. Felt (V) at Valparaisa and (II) at Santiago.
a	20	21	27	01.4	28.171	S	176.622	W	33		5.3	5.5	1.2	100	KERMADEC ISLANDS REGION
	20	21	45	07.8	46.549	N	2.934	E	10	G			0.8	12	FRANCE. ML 2.7 (LDG).
	20	22	14	22.2*	3.612	N	98.060	E	152	*	4.4		1.3	30	NORTHERN SUMATERA
	20	22	15	02.9*	62.599	N	124.126	W	10	G			0.8	6	NORTHWEST TERRITORIES, CANADA
	20	22	29	32.2%	40.239	N	29.486	E	10	G			1.0	8	TURKEY
	20	22	56	10.1?	21.79	S	178.42	W	504	?	4.2		1.0	11	FIJI ISLANDS REGION
	20	23	08	16.5	36.753	N	93.661	E	33	N	5.3		0.8	109	QINGHAI PROVINCE, CHINA
a	20	23	47	08.9	29.985	N	51.623	E	26		5.5	5.0	1.0	240	SOUTHERN IRAN. About 80 homes damaged in the Mamasani area. Felt at Shiraz and Norabad.
	21	00	11	51.1	29.916	N	51.595	E	25	*	4.6		0.9	102	SOUTHERN IRAN. Some damage in the Mamasani area. Felt at Shiraz and Norabad.
f	21	01	10	51.1	28.101	S	176.737	W	17	G	6.1	6.6	1.2	277	KERMADEC ISLANDS REGION. Ms 6.1 (PAS). Depth from broadband displacement seismograms.
	21	02	42	49.0	25.517	N	122.507	E	275		5.1		0.7	132	TAIWAN REGION
	21	03	07	09.2%	33.323	S	70.765	W	33	N			1.1	7	CHILE-ARGENTINA BORDER REGION
	21	03	35	35.8*	12.823	N	88.041	W	49	D	5.0		1.1	43	OFF COAST OF CENTRAL AMERICA
	21	06	03	18.5*	12.743	N	87.695	W	68	D	4.9		1.3	37	NEAR COAST OF NICARAGUA
	21	07	30	21.0*	12.456	N	88.675	W	33	N	5.0		1.3	36	OFF COAST OF CENTRAL AMERICA
	21	08	36	19.1?	17.02	N	62.20	W	10	G			0.8	6	LEEWARD ISLANDS. ML 3.1 (FDF).
	21	09	14	50.0?	6.59	S	131.43	E	33	N	4.1		1.3	7	TANIMBAR ISLANDS REGION
	21	09	51	53.3%	46.486	N	2.966	E	10	G			0.2	5	FRANCE. ML 2.0 (LDG).
	21	11	34	40.3*	6.864	S	129.986	E	132	*	4.3		1.3	15	BANDA SEA
a	21	11	34	52.3	2.758	N	125.825	E	131		5.3		1.1	87	TALAUD ISLANDS
	21	11	57	32.9*	62.169	N	124.217	W	10	G			0.3	6	NORTHWEST TERRITORIES, CANADA
	21	12	18	54.1?	33.08	S	179.37	W	33	N	4.6		1.1	9	SOUTH OF KERMADEC ISLANDS
	21	12	58	35.9?	28.29	S	176.72	W	33	N	4.3		1.1	8	KERMADEC ISLANDS REGION
	21	13	42	24.9?	12.16	N	87.80	W	33	N	4.8	3.7	1.3	15	NEAR COAST OF NICARAGUA
	21	14	06	24.5%	15.730	N	61.291	W	33	N			1.6	6	LEEWARD ISLANDS. ML 2.9 (FDF).
	21	15	31	40.3?	16.88	N	60.19	W	10	G			0.1	5	LEEWARD ISLANDS. ML 3.0 (FDF).
	21	17	09	42.6	3.511	S	137.719	E	83	D	4.9		0.8	48	WEST IRIAN
	21	17	09	58.0%	55.857	N	3.161	W	1	G			0.5	10	UNITED KINGDOM. ML 2.3 (BGS). Felt (V) at Rosewell and Roslin, Scotland. Possible rockburst.
	21	17	32	58.1&	35.142	N	96.676	W	5	G				9	OKLAHOMA. <TUL>. mbLg 2.8 (TUL).
	21	17	45	20.8&	60.088	N	140.980	W	11		4.6			39	SOUTHEASTERN ALASKA. <AGS-P>. ML 4.3 (PMR).
	21	17	53	16.9*	1.997	S	139.962	E	33	N	4.5		1.4	13	NEAR N. COAST OF WEST IRIAN
	21	18	05	55.2	6.256	S	151.986	E	53	*	4.7		1.0	15	NEW BRITAIN REGION
	21	18	10	57.4*	2.011	S	140.147	E	38	*	4.6	4.7	1.2	31	NEAR N. COAST OF WEST IRIAN
	21	18	35	04.2	39.051	N	27.829	E	10	G			1.0	7	TURKEY
	21	19	57	41.5	7.783	S	128.568	E	50		5.0		1.0	62	BANDA SEA
	21	20	17	56.2	9.797	N	125.340	E	33	N	4.9		1.0	55	MINDANAO, PHILIPPINE ISLANDS
	21	20	23	37.7*	27.838	S	176.547	W	33	N	4.7		0.9	13	KERMADEC ISLANDS REGION
	21	21	45	54.0*	43.295	N	17.058	E	10	G			1.1	14	YUGOSLAVIA. ML 3.3 (TTG).
	22	00	17	25.0&	36.212	N	100.350	W	5	G				3	TEXAS PANHANDLE REGION. <TUL>. MD 2.0 (TUL).
	22	00	21	22.7?	28.15	S	176.56	W	33	N	4.7		1.7	7	KERMADEC ISLANDS REGION
	22	00	39	17.3*	10.750	N	85.170	W	33	N	4.9	3.9	0.9	26	COSTA RICA
a	22	02	04	18.8	0.645	N	121.336	E	96		5.4		0.9	76	MINAHASSA PENINSULA
	22	03	26	46.7%	39.176	N	27.892	E	10	G			0.5	5	TURKEY
	22	04	04	00.8	24.344	N	122.172	E	37		4.8	4.6	1.3	59	TAIWAN REGION. Felt on northern Taiwan.
	22	12	42	51.3?	35.33	N	132.64	E	33	N			0.7	5	SOUTHERN HONSHU, JAPAN
a	22	14	18	37.9	56.879	S	48.760	W	10	G	6.0	5.9	1.1	108	SCOTIA SEA
	22	14	42	15.5&	59.683	N	153.075	W	102					40	SOUTHERN ALASKA. <AGS-P>.
	22	15	55	45.3	29.856	N	95.156	E	33	N	4.3		1.0	14	INDIA-CHINA BORDER REGION
	22	18	21	14.7	42.331	N	18.935	E	10	G			0.7	10	YUGOSLAVIA. MD 3.0 (TTG).
	22	18	46	18.2*	46.705	N	16.561	E	10	G			1.5	9	YUGOSLAVIA. ML 2.8 (KBA), 2.8 (VKA), MD 2.7 (TRI).
	22	19	12	47.4*	17.848	N	145.650	E	200	*	4.9		0.4	9	MARIANA ISLANDS
	22	20	11	36.0*	8.430	S	115.341	E	33	N	4.3		1.2	7	BALI ISLAND REGION
	22	20	11	54.7?	37.78	N	25.39	W	10	G			0.6	4	AZORES ISLANDS. Felt (II) at Furnas.
	22	20	23	23.7*	23.050	N	118.104	E	33	N			1.2	7	TAIWAN REGION
	22	21	54	19.6?	51.32	N	15.97	E	10	G			0.8	6	POLAND. ML 3.3 (VKA).
a	22	23	09	03.6	22.588	S	179.212	E	599		5.3		1.0	113	SOUTH OF FIJI ISLANDS
	22	23	52	52.0	53.635	N	169.726	E	33	N	4.6		1.0	32	KOMANDORSKY ISLANDS REGION
	23	01	12	45.9*	42.050	N	141.542	E	33	N	4.5		0.7	10	HOKKAIDO, JAPAN REGION
	23	01	29	40.0*	24.048	N	121.817	E	33	N	4.1		1.4	10	TAIWAN
	23	03	40	28.2&	60.433	N	150.501	W	44					45	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.3 (PMR).
	23	04	04	59.6	6.313	S	151.863	E	39		5.1	4.0	1.2	45	NEW BRITAIN REGION
	23	04	40	49.6*	36.555	N	28.715	E	32	*			1.5	9	DODECANESE ISLANDS
	23	05	35	08.5	40.514	N	20.752	E	10	G	3.9		1.2	23	GREECE-ALBANIA BORDER REGION. ML 4.2 (ATH), 3.6 (TTG).
	23	06	59	50.2	36.665	N	7.803	W	33	N			0.9	16	STRAIT OF GIBRALTAR. MG 3.6 (MDD).
	23	08	36	28.7*	24.260	S	67.211	W	204	*			1.1	7	CHILE-ARGENTINA BORDER REGION
	23	09	34	51.8	7.014	S	143.460	E	33	N	4.4		1.3	11	NEAR S COAST OF PAPUA NEW GUINEA
	23	11	13	43.9*	8.190	S	119.950	E	171	*	4.8		0.5	12	FLORES ISLAND REGION
	23	11	21	12.8	48.216	N	7.480	E	10	G			0.9	14	FRANCE. ML 2.9 (LDG).
	23	13	19	22.2&	60.149	N	153.159	W	124					30	SOUTHERN ALASKA. <AGS-P>.
	23	15	56	52.7?	40.67	N	20.80	E	10	G			1.4	6	GREECE-ALBANIA BORDER REGION
	23	17	14	20.9*	51.751	N	171.602	W	33	N	4.6		1.3	31	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR).
	23	18	52	37.8*	13.920	N	94.366	W	11		4.4	3.6	1.2	24	OFF COAST OF CHIAPAS, MEXICO
	23	19	18	42.4?	31.66	S	69.05	W	106	?			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	23	20	39	06.9?	4.11	N	125.82	E	148	?	4.9		0.6	5	TALAUD ISLANDS
	23	21	10	47.6&	34.572	N	97.204	W	5	G				4	OKLAHOMA. <TUL>. MD 1.6 (TUL).
	23	22	56	47.4?	24.19	N	122.12	E	33	N	3.5		1.2	13	TAIWAN REGION

	23	23	14	29.9&	58.474	N	148.174	W	68				46	GULF OF ALASKA. <AGS-P>.
	24	01	00	24.2*	19.574	N	108.976	W	10	G	4.4	1.3	25	REVILLA GIGEDO ISLANDS REGION
	24	02	07	46.6%	43.816	N	6.704	E	10	G		0.7	6	NEAR SOUTH COAST OF FRANCE. ML 2.8 (LDG).
	24	02	14	13.1*	9.744	N	125.748	E	150	*	4.6	1.2	16	MINDANAO, PHILIPPINE ISLANDS
	24	04	57	47.0	25.411	N	126.469	E	55		4.9	0.9	39	RYUKYU ISLANDS
	24	05	08	54.4%	45.206	N	27.263	E	10	G		0.4	5	ROMANIA
	24	06	28	37.0?	13.40	S	75.06	W	33	N		0.7	6	PERU
	24	07	28	58.4*	43.878	N	114.848	W	5	G		0.9	5	WESTERN IDAHO. ML 3.0 (NEIS).
	24	08	19	47.3?	18.13	N	102.14	W	33	N	4.3	1.5	16	MICHOACAN, MEXICO
	24	08	48	40.4*	51.488	N	178.552	W	33	N	4.9 4.6	1.2	32	ANDREANOF ISLANDS, ALEUTIAN IS.
	24	09	39	55.7*	30.467	S	69.221	W	33	N		0.8	10	CHILE-ARGENTINA BORDER REGION
	24	09	56	34.4?	61.00	N	5.12	E	10	G		1.1	5	SOUTHERN NORWAY. MD 2.5 (BER).
	24	10	23	56.9*	62.112	N	124.433	W	10	G		0.2	5	NORTHWEST TERRITORIES, CANADA
	24	10	32	06.3*	19.962	S	173.707	W	33	N	4.8 5.2	1.3	38	TONGA ISLANDS
	24	12	18	50.0	40.603	N	27.819	E	13			1.0	15	TURKEY
	24	12	31	34.0*	1.399	N	129.125	E	33	N	4.8	1.1	12	HALMAHERA
	24	12	55	56.8?	43.01	N	18.14	E	10	G		0.9	9	YUGOSLAVIA. ML 2.8 (TTG).
	24	13	11	50.4?	53.17	N	159.86	E	33	N	5.0	0.9	13	NEAR EAST COAST OF KAMCHATKA
	24	16	11	35.3	35.651	N	3.932	W	10	G		0.9	13	STRAIT OF GIBRALTAR. MG 3.3 (MDD).
	24	16	39	35.4?	40.82	N	30.43	E	10	G		1.0	8	TURKEY
	24	16	48	05.6	44.092	N	16.347	E	31		4.8 4.7	1.1	178	YUGOSLAVIA. MD 4.9 (TTG), 4.5 (TRI), ML 4.6 (SKO). Felt (VII) in the Knin area.
	24	16	58	17.1*	44.077	N	16.864	E	10	G		0.4	5	YUGOSLAVIA. ML 3.1 (KBA).
	24	17	48	37.5?	45.12	N	15.04	E	10	G		1.2	5	YUGOSLAVIA
	24	18	52	11.2*	19.310	S	70.523	W	33	N		0.4	5	NEAR COAST OF NORTHERN CHILE
	24	19	43	06.4*	37.115	N	70.361	E	64	?	4.5	1.1	15	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Khorog, USSR.
	24	22	59	28.6*	24.124	N	121.301	E	33	N	3.7	1.0	8	TAIWAN
	25	00	02	53.8	37.580	N	118.437	W	5	G		0.8	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (NEIS).
	25	00	13	08.9*	9.844	S	159.835	E	33	N	4.3	0.8	5	SOLOMON ISLANDS
	25	01	17	23.1*	5.276	S	130.681	E	33	N	4.4	1.0	5	BANDA SEA
	25	02	25	15.1&	40.317	N	124.605	W	13	G			13	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK). Felt (III) at Honeydew.
	25	04	15	58.6*	1.972	N	126.888	E	33	N		1.2	12	MOLUCCA PASSAGE
	25	06	08	54.4&	37.570	N	118.407	W	5				21	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK), 3.2 (PAS).
	25	06	19	25.9	37.492	N	118.862	W	5	G		0.7	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (NEIS).
	25	07	06	57.1*	17.792	S	13.242	W	10	G	4.9 4.4	1.2	16	SOUTH ATLANTIC RIDGE
	25	07	10	08.4	39.363	N	27.757	E	10	G		1.0	6	TURKEY
	25	07	20	41.6	18.266	N	62.139	W	27			0.4	11	LEEWARD ISLANDS. ML 4.3 (FDF).
	25	07	23	21.6*	33.211	S	71.734	W	10	G		1.0	10	NEAR COAST OF CENTRAL CHILE
	25	08	36	45.8*	18.301	S	167.934	E	33	N	4.5 4.1	1.4	30	VANUATU ISLANDS
	25	08	46	17.4&	35.399	N	95.839	W	5	G			3	OKLAHOMA. <TUL>. MD 1.7 (TUL).
	25	08	58	31.0*	8.287	S	74.787	W	129	*	4.5	1.0	19	PERU-BRAZIL BORDER REGION
	25	10	46	55.5	37.573	N	118.430	W	5	G		0.9	9	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (NEIS).
	25	13	28	28.1&	37.748	N	122.565	W	9				12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). Mo=3.5*10**20 (BRK). Felt at San Froncisco.
	25	16	17	53.1*	15.040	N	92.986	W	87		4.7	0.8	44	MEXICO-GUATEMALA BORDER REGION
	25	16	28	20.1*	20.524	S	168.700	E	33	N	4.5	1.4	9	LOYALTY ISLANDS
	25	17	09	09.6*	38.364	S	175.677	E	148	*	4.7	1.4	11	NORTH ISLAND, NEW ZEALAND
	25	17	10	08.6*	38.654	S	74.992	W	10	G	4.9	1.2	25	OFF COAST OF CENTRAL CHILE
a	25	17	17	34.2	44.891	S	80.105	W	10	G	5.7 5.6	1.3	53	OFF COAST OF SOUTHERN CHILE
	25	17	35	22.8&	32.980	N	116.290	W	8				13	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS). Felt (III) at Jamul and Spring Valley.
	25	18	23	15.4*	7.201	S	145.982	E	177	*	4.2	0.4	9	NEAR S COAST OF PAPUA NEW GUINEA
	25	18	32	02.6?	36.83	N	71.49	E	149	?	4.1	1.1	5	AFGHANISTAN-USSR BORDER REGION
	25	18	32	15.7?	40.62	N	77.97	E	33	N	4.5	1.5	6	KIRGHIZ-XINJIANG BORDER REGION
	25	21	02	54.2	4.865	S	76.359	W	121	D	4.8	0.7	56	NORTHERN PERU
	25	22	30	59.6?	51.19	N	19.83	E	10	G		0.7	5	POLAND. ML 3.0 (KRA).
	26	00	55	40.5&	62.520	N	151.290	W	141				28	CENTRAL ALASKA. <AGS-P>.
	26	02	00	48.2	45.180	N	14.779	E	10	G		1.2	35	YUGOSLAVIA. ML 3.6 (VKA), 3.4 (KBA), 3.4 (LDG). Felt at Senj and Crikvenica.
	26	02	41	18.6?	28.87	S	176.99	W	30	*	5.0	1.2	13	KERMADEC ISLANDS REGION
	26	03	22	53.1*	38.683	N	26.736	E	10	G		1.0	7	AEGEAN SEA
	26	03	49	54.0?	28.43	S	175.58	W	33	N	4.8 4.4	1.4	11	KERMADEC ISLANDS REGION
	26	04	26	36.8	39.594	N	24.073	E	9			1.2	12	AEGEAN SEA
a	26	07	03	47.5	24.384	S	179.785	E	515		4.9	0.9	85	SOUTH OF FIJI ISLANDS
	26	07	57	34.9	37.798	N	25.373	W	10	G		0.3	5	AZORES ISLANDS. Felt (IV) at Ponta de Garca; (III) at Agua de Alto, Furnas, and Ribeiro das Toinhas.
	26	09	56	27.4	37.557	N	118.371	W	5	G		0.6	32	CALIFORNIA-NEVADA BORDER REGION. ML 3.9 (BRK), 3.5 (PAS).
	26	10	29	18.2&	38.823	N	122.792	W	4				13	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
	26	10	46	00.4	39.373	N	29.000	E	10	G		0.5	7	TURKEY
	26	12	03	45.8	43.357	N	18.886	E	10	G		0.7	10	YUGOSLAVIA. MD 3.0 (TTG).
	26	12	23	22.9	45.996	N	14.698	E	10	G		0.7	6	YUGOSLAVIA. ML 2.2 (KBA), MD 2.1 (TRI). Felt.
	26	12	34	37.9	16.300	S	178.436	E	18		4.6 4.0	0.8	34	FIJI ISLANDS
	26	13	18	43.1%	40.585	N	27.759	E	10	G		0.4	5	TURKEY
	26	16	02	34.4	38.109	N	70.073	E	186	?	4.0	1.2	7	AFGHANISTAN-USSR BORDER REGION. Felt (IV) at Gorm and (III) at Komsomolobad, USSR.
	26	16	49	45.8	14.881	S	167.289	E	159	*	4.8	0.9	32	VANUATU ISLANDS
	26	17	39	39.5	37.010	N	56.168	E	33	N	4.4	1.2	17	IRAN
	26	17	57	36.6	36.595	N	71.301	E	190	*	4.4	0.7	32	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Ishkashim, USSR.
	26	18	09	35.3	39.482	N	28.184	E	10	G		0.4	9	TURKEY
a	26	19	51	46.0	54.263	S	143.820	E	10	G	5.6 5.7	1.1	86	WEST OF MACQUARIE ISLAND
	26	20	50	04.2	51.862	N	1.348	W	10	G		1.1	26	UNITED KINGDOM. ML 3.4 (LDG), 3.0 (BGS).
	26	20	50	23.8	25.347	N	100.066	E	33	N	4.5 4.7	1.2	26	YUNNAN PROVINCE, CHINA
	26	21	25	58.2	2.298	N	126.848	E	33	N	5.1	1.1	49	MOLUCCA PASSAGE
	26	21	26	37.2	25.385	N	100.104	E	33	N		1.1	14	YUNNAN PROVINCE, CHINA. MG 4.3 (BJI).
	26	22	35	43.0	35.597	N	26.404	E	44	*	3.8	0.9	16	CRETE
	27	00	12	17.3	34.843	S	81.634	E	10	G	5.0	0.8	31	AMSTERDAM-NATURALISTE RIDGE
	27	00	45	32.4	21.792	S	68.951	W	101	D	4.7	1.2	29	CHILE-BOLIVIA BORDER REGION
	27	01	00	13.3	11.490	S	118.224	E	33	N	4.9 4.8	1.2	30	SOUTH OF SUMBAWA ISLAND

	27	01 16 30.2%	41.957	N	19.597	E	10	G			1.3	5	ALBANIA. ML 2.2 (TTG).
	27	02 28 41.9*	13.865	N	144.503	E	117		5.5		0.9	13	MARIANA ISLANDS. Felt (III) on Guom.
	27	02 29 00.6	23.823	S	70.060	W	41	D	5.2	5.6	1.2	81	NEAR COAST OF NORTHERN CHILE. Felt (V) at Antofogosta and (IV) at Calama.
a	27	02 43 53.8	56.214	S	27.361	W	33	N	5.6	5.1	1.2	44	SOUTH SANDWICH ISLANDS REGION
	27	02 55 55.5%	39.328	N	28.914	E	10	G			0.5	5	TURKEY
	27	02 59 54.3%	39.315	N	28.918	E	10	G			0.8	6	TURKEY
	27	03 06 34.7	39.368	N	28.998	E	10	G			1.0	8	TURKEY
	27	03 35 41.4&	61.828	N	148.954	W	15					40	SOUTHERN ALASKA. <AGS-P>. ML 3.1 (PMR). Felt (II) at Lazy Mountain.
	27	04 03 39.1	11.711	N	122.131	E	33	N	4.5		1.3	32	PANAY, PHILIPPINE ISLANDS
	27	04 03 46.6%	39.228	N	28.885	E	10	G			0.9	5	TURKEY
	27	04 55 25.1*	22.707	N	118.365	E	33	N			0.8	6	TAIWAN REGION
	27	05 15 28.9	2.015	N	128.547	E	62	*	5.3		1.2	70	HALMAHERA
	27	06 36 26.2&	61.406	N	151.324	W	71					35	SOUTHERN ALASKA. <AGS-P>.
	27	06 43 17.0%	39.336	N	28.971	E	10	G			0.4	5	TURKEY
	27	06 56 36.6*	7.200	N	94.369	E	33	N	4.9		1.2	14	NICOBAR ISLANDS REGION
	27	06 57 45.9*	7.419	N	94.430	E	33	N	4.4		1.2	11	NICOBAR ISLANDS REGION
	27	07 02 29.6	39.248	N	28.956	E	10	G			1.1	8	TURKEY
	27	07 22 26.1	3.228	S	139.708	E	33	N	4.7	4.3	1.5	19	WEST IRIAN
	27	07 32 25.6	7.476	N	94.435	E	33	N	4.6		1.1	25	NICOBAR ISLANDS REGION
	27	08 04 08.1&	60.205	N	151.052	W	76					44	KENAI PENINSULA, ALASKA. <AGS-P>.
	27	08 50 02.4?	20.57	S	172.88	E	33	N	4.4		0.3	7	VANUATU ISLANDS REGION
	27	08 51 28.0?	40.27	N	142.08	E	72	*	4.2		1.1	6	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Hachinohe and Miyako.
	27	08 59 16.1*	4.867	S	138.179	E	33	N	5.0		1.1	10	WEST IRIAN
	27	09 12 52.2	10.094	N	84.251	W	75	*			0.6	11	COSTA RICA. MD 4.2 (HDC). Felt in the Cartago-San Ramon area.
	27	09 24 09.1	7.487	S	128.587	E	189	*	4.9		1.1	31	BANDA SEA
	27	11 54 59.5*	42.419	S	18.463	W	10	G	5.0	4.4	1.1	16	SOUTH ATLANTIC RIDGE
	27	13 07 00.8	64.745	N	150.975	W	33	N			0.8	9	CENTRAL ALASKA. ML 3.5 (PMR).
	27	14 52 45.4%	39.245	N	28.958	E	10	G			0.3	6	TURKEY
a	27	15 46 58.5	6.695	S	130.816	E	58		5.6		1.3	116	BANDA SEA
	27	15 49 06.9	7.431	N	94.517	E	33	N	4.9		1.0	10	NICOBAR ISLANDS REGION
	27	16 52 34.5*	16.088	N	120.017	E	80	*	4.2		1.3	19	LUZON, PHILIPPINE ISLANDS
	27	17 38 41.4&	61.427	N	149.966	W	52					35	SOUTHERN ALASKA. <AGS-P>.
a	27	18 19 00.4	19.893	N	144.334	E	439		5.1		0.9	141	MARIANA ISLANDS
	27	18 40 37.8*	53.555	N	160.256	E	125	?	4.5		0.2	9	NEAR EAST COAST OF KAMCHATKA
	27	19 13 03.9&	33.510	N	116.550	W	12					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	27	20 06 45.1?	41.81	N	19.69	E	10	G			0.9	8	ALBANIA. ML 2.3 (TTG).
	27	22 40 28.7*	40.448	N	20.933	E	10	G			1.4	10	GREECE-ALBANIA BORDER REGION. ML 3.0 (TTG).
	27	23 46 15.7	6.689	N	72.939	W	180		4.5		0.7	19	NORTHERN COLOMBIA
	28	00 40 17.4?	42.23	N	20.69	E	10	G			0.4	8	YUGOSLAVIA. ML 3.5 (TTG).
	28	00 44 54.2*	27.097	S	176.467	W	33	N	4.9		1.3	20	KERMADEC ISLANDS REGION
	28	00 45 24.4%	40.340	N	31.665	E	10	G			1.2	5	TURKEY
	28	02 00 36.2*	45.995	N	150.104	E	33	N	4.6		1.2	19	KURIL ISLANDS
	28	02 59 55.2*	4.315	S	152.844	E	46	*	4.2		1.4	14	NEW BRITAIN REGION
	28	03 14 25.9	1.671	N	99.573	E	182		4.4		1.0	15	NORTHERN SUMATERA
	28	05 23 13.1*	31.177	S	67.921	W	10	G			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	28	05 27 17.6	4.441	S	76.991	W	141	*	4.6		0.9	25	NORTHERN PERU
	28	07 31 34.9	15.335	N	89.753	W	5	G	4.4		1.1	25	GUATEMALA
	28	09 15 58.2*	42.548	N	30.240	W	10	G	4.4		0.5	21	AZORES ISLANDS REGION
	28	10 38 14.6?	21.30	S	178.60	W	593	?	4.8		0.9	19	FIJI ISLANDS REGION
	28	11 18 56.8*	23.417	S	66.741	W	228	*	4.4		1.2	10	JUJUY PROVINCE, ARGENTINA
	28	11 33 40.5*	17.565	S	167.853	E	33	N	4.3		1.5	10	VANUATU ISLANDS
	28	11 47 33.8	19.209	S	168.448	E	50	*	5.2		1.3	40	VANUATU ISLANDS
	28	13 17 53.1*	42.345	N	19.860	E	10	G			0.4	5	YUGOSLAVIA. ML 2.3 (TTG).
	28	13 18 00.1?	25.87	S	177.01	W	33	N	4.7	4.3	1.1	8	SOUTH OF FIJI ISLANDS
	28	14 03 45.6?	44.36	N	9.92	E	10	G			0.7	7	NORTHERN ITALY. ML 2.7 (LDG).
	28	14 13 44.6*	35.757	N	5.122	W	10	G			1.3	6	STRAIT OF GIBRALTAR. MG 3.2 (MDD).
	28	18 13 50.5	44.571	N	10.213	E	15				1.1	40	NORTHERN ITALY. ML 4.0 (KBA), 3.8 (LDG). MD 4.0 (STR), 3.8 (TRI).
	28	18 32 39.6*	38.281	N	21.649	E	10	G			0.7	6	GREECE. ML 3.2 (ATH).
	28	18 47 34.6*	11.805	S	117.408	E	33	N	4.6		1.2	7	SOUTH OF SUMBAWA ISLAND
	28	19 27 53.7*	38.621	S	78.523	E	10	G	4.6		0.3	7	MID-INDIAN RISE
a	28	19 31 55.3*	38.430	S	78.632	E	10	G	5.1	4.8	1.3	16	MID-INDIAN RISE
o	28	20 04 35.1	38.775	S	78.695	E	10	G	5.6	6.1	1.3	55	MID-INDIAN RISE
	28	20 35 44.4	23.971	S	66.676	W	209	D	5.1		1.0	131	JUJUY PROVINCE, ARGENTINA
	28	21 23 25.9	35.384	N	3.543	W	10	G			0.8	12	STRAIT OF GIBRALTAR. MG 3.4 (MDD).
	28	21 41 51.4?	29.88	S	71.61	W	33	N			1.0	7	NEAR COAST OF CENTRAL CHILE
	28	22 06 02.0*	47.062	N	146.737	E	350	?	4.1		1.0	14	NORTHWEST OF KURIL ISLANDS
	28	22 22 10.0*	47.356	N	11.771	E	10	G			1.3	7	AUSTRIA. ML 2.1 (FUR).
	29	01 31 16.0	42.066	N	25.751	E	10	G			1.1	7	BULGARIA
	29	01 57 56.6?	15.73	N	61.09	W	33	N			0.3	5	LEEWARD ISLANDS. ML 1.9 (FDF).
	29	02 55 03.9*	30.838	S	177.850	W	33	N	4.7		1.5	14	KERMADEC ISLANDS
	29	03 28 53.5%	16.295	N	61.299	W	10	G			0.8	5	LEEWARD ISLANDS. ML 2.1 (FDF).
	29	03 52 11.2?	9.36	S	114.77	E	33	N	3.5		0.3	5	SOUTH OF BALI ISLAND
	29	03 59 30.7	40.936	N	19.951	E	10	G	3.8		1.3	23	ALBANIA. MD 3.8 (TTG).
	29	03 59 45.4	40.681	N	23.446	E	10	G			0.8	7	GREECE
	29	05 34 42.5?	19.96	S	174.09	W	33	N	4.5		1.5	11	TONGA ISLANDS
	29	06 48 02.5%	44.007	N	7.183	E	10	G			0.7	5	NORTHERN ITALY. ML 2.3 (LDG).
	29	08 21 03.9&	34.540	N	118.910	W	18					8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	29	11 46 27.6%	16.001	N	60.826	W	33	N			0.9	7	LEEWARD ISLANDS. ML 2.8 (FDF).
	29	12 01 18.5	22.333	N	118.614	E	33	N	4.5		1.1	18	TAIWAN REGION
	29	12 14 46.6*	38.220	N	27.063	E	10	G			1.1	7	TURKEY
o	29	12 39 19.4	0.592	S	19.835	W	10	G	5.3	4.6	0.8	120	CENTRAL MID-ATLANTIC RIDGE
a	29	12 53 01.3	28.192	S	63.057	W	597		5.2		0.8	131	SANTIAGO DEL ESTERO PROV., ARG.
	29	14 17 44.0	63.206	N	150.497	W	125	*			1.0	14	CENTRAL ALASKA
	29	14 48 54.5*	35.965	N	3.608	W	10	G			1.6	5	STRAIT OF GIBRALTAR
	29	15 02 26.0*	66.466	N	149.908	W	10	G			1.6	6	ALASKA
	29	15 26 24.4%	42.341	N	19.916	E	10	G			0.7	6	YUGOSLAVIA. ML 2.2 (TTG).
	29	15 28 04.9&	37.458	N	121.800	W	6		3.8			23	CENTRAL CALIFORNIA. <BRK>. ML 4.5 (BRK). Felt (IV) at Boulder Creek, Burlingame, Campbell, Cupertino,

														Fremont, Milpitos, NAS Moffett Field, Mountain View, Redwood City, San Carlos, Santo Clara, San Jose and San Lorenzo. Felt throughout much of the San Francisco Bay area.
f	29	15	49	59.1	15.220	N	119.880	E	53	D	6.0	0.9	301	LUZON, PHILIPPINE ISLANDS. Felt (IV RF) at Quezon City and (II RF) at Santa. Felt (III) at Clark AFB.
	29	16	05	13.9&	33.020	N	115.770	W	4				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt (IV) at Calipotrio and Imperial.
	29	16	20	54.2%	42.345	N	18.623	E	10	G		0.5	5	YUGOSLAVIA. ML 2.2 (TTG).
	29	16	22	44.1*	31.820	S	71.399	W	24	*		1.2	11	NEAR COAST OF CENTRAL CHILE
	29	17	13	20.5*	62.255	N	124.401	W	10	G		0.2	5	NORTHWEST TERRITORIES, CANADA
	29	18	07	35.9%	40.646	N	29.865	E	10	G		1.0	8	TURKEY
	29	18	35	33.3&	33.000	N	117.760	W	6				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	29	19	38	15.1*	32.346	S	71.726	W	10	G		0.8	10	NEAR COAST OF CENTRAL CHILE
	29	19	38	16.6?	44.37	N	9.91	E	10	G		1.1	8	NORTHERN ITALY. ML 2.5 (LDG).
	29	19	43	14.6	34.604	N	136.886	E	339		4.6	0.9	95	SOUTHERN HONSHU, JAPAN. Felt (II JMA) at Utsunamiya.
	29	20	05	54.6&	60.227	N	153.128	W	132				25	SOUTHERN ALASKA. <AGS-P>.
	29	20	41	59.4	26.304	S	27.468	E	5	G	4.8	0.8	26	REPUBLIC OF SOUTH AFRICA
	29	22	24	46.7	24.437	N	122.567	E	13		4.8	1.1	45	TAIWAN REGION. Felt on eastern Taiwon.
	29	22	31	39.5&	60.176	N	153.254	W	142				35	SOUTHERN ALASKA. <AGS-P>.
	29	22	57	19.2?	44.39	N	9.92	E	10	G		1.1	7	NORTHERN ITALY. ML 2.5 (LDG).
	29	23	05	43.0&	61.585	N	150.894	W	73				34	SOUTHERN ALASKA. <AGS-P>.
	29	23	06	35.7?	42.78	N	0.16	W	10	G		1.5	8	PYRENEES. ML 2.8 (LDG).
	29	23	33	33.4?	43.03	N	0.27	W	10	G		1.0	7	PYRENEES. ML 2.8 (LDG).
a	30	00	38	30.3	36.666	N	137.896	E	10	G	5.5 5.3	1.2	260	HONSHU, JAPAN. Minor domage (IV JMA) at Nagano; (III JMA) at Karuizawo and Matsumoto; (II JMA) at Kofu, Iida, Mishima, Tokyo and Yokohoma; (I JMA) in the Nagoya-Tateyoma-Chiba and Kumagaya-Maebashi areas.
	30	03	39	06.9*	37.025	N	22.250	E	33	N	4.4	1.0	6	SOUTHERN GREECE. ML 3.2 (ATH).
	30	06	10	41.8	12.073	N	57.769	E	10	G	4.7	0.8	29	ARABIAN SEA
o	30	06	13	08.0	18.977	S	177.808	W	564		5.1	0.9	93	FIJI ISLANDS REGION
	30	06	29	06.7&	40.330	N	124.120	W	5	G			4	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
	30	06	41	49.7*	7.645	S	128.249	E	159	*	5.4	0.9	10	BANDA SEA
	30	07	15	19.1&	36.420	N	89.580	W	14				22	NEW MADRID, MISSOURI REGION. <SLM>. mbLg 3.5 (NEIS). Felt (IV) at Coruthersville, Portageville, Hayti, Gideon and Pt. Pleasant, Missouri. Felt (III) at Blodgett, Dexter, Harviell and Sikestan, Missouri. Felt (III) at Blodgett, Dexter, Harviell and Sikeston, Missouri. Also felt (III) at Finley and Tigrett, Tennessee.
	30	08	09	04.7	36.350	N	106.055	E	33	N	3.6	1.1	12	NORTHERN CHINA
	30	08	46	31.9*	24.168	S	66.841	W	201	*	4.6	1.4	9	SALTA PROVINCE, ARGENTINA
a	30	09	04	44.9	6.416	S	130.704	E	102		5.6	1.2	150	BANDA SEA
	30	09	51	28.3	42.720	N	111.275	W	5	G		0.8	6	EASTERN IDAHO. ML 3.2 (NEIS).
	30	10	21	28.4	38.045	N	27.006	E	11			1.3	16	TURKEY
	30	10	52	32.7*	10.996	S	111.716	E	33	N		0.7	5	SOUTH OF JAVA
	30	12	20	00.8*	51.254	N	175.847	W	33	N	4.6	1.2	15	ANDREANOF ISLANDS, ALEUTIAN IS.
	30	12	25	37.5?	44.30	N	10.56	E	10	G		1.1	7	NORTHERN ITALY. ML 2.9 (LDG).
	30	13	07	57.0*	40.232	S	173.302	E	181	*	4.2	1.2	9	COOK STRAIT, NEW ZEALAND
	30	15	04	18.8?	8.03	S	149.92	E	33	N		1.0	5	EAST PAPUA NEW GUINEA REGION
	30	15	04	29.4?	24.31	S	66.50	W	257	?	4.3	0.2	5	SALTA PROVINCE, ARGENTINA
f	30	15	32	13.5	20.399	S	174.071	W	24	D	6.1 5.8	1.0	319	TONGA ISLANDS
	30	16	42	57.0%	44.118	N	6.650	E	10	G		0.2	5	FRANCE. ML 2.3 (LDG).
	30	16	50	33.4?	33.96	S	72.31	W	33	N		0.3	6	OFF COAST OF CENTRAL CHILE
	30	18	42	27.5?	45.25	N	9.86	E	10	G		1.5	9	NORTHERN ITALY. ML 2.7 (LDG).
	30	18	42	42.4*	6.775	N	73.407	W	186	*		1.2	8	NORTHERN COLOMBIA
	30	21	48	52.1&	32.950	N	117.790	W	10				9	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	30	21	59	25.7?	5.06	S	126.57	E	552	*		1.5	10	BANDA SEA
	31	00	36	45.4?	7.02	S	130.10	E	124	?	4.7	1.4	8	TANIMBAR ISLANDS REGION
	31	01	39	07.9	36.904	N	21.397	E	64	*	3.9	0.6	9	SOUTHERN GREECE
	31	06	06	09.9	36.199	N	27.069	E	40		4.6	1.2	97	DODECANESE ISLANDS
	31	06	07	55.9*	45.490	N	14.622	E	10	G		0.9	7	YUGOSLAVIA. MD 3.2 (TRI), ML 3.1 (KBA).
	31	10	10	57.4*	4.956	S	153.803	E	103	*		1.2	9	NEW IRELAND REGION
	31	10	21	16.2%	39.123	N	27.860	E	10	G		0.5	6	TURKEY
	31	11	12	33.1*	35.097	N	25.948	E	10	G	4.2	1.2	17	CRETE. ML 4.0 (ATH).
	31	11	21	56.5&	41.825	N	112.319	W	2				19	UTAH. <SLC-P>. ML 3.3 (SLC). Felt (IV) at Howell, Plymouth, Portage and Riverside. Felt (III) at Garland and Willard.
	31	12	07	41.0	41.218	N	142.548	E	63		5.2	1.0	158	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hachinohe, Honshu; (I JMA) at Urakawa, Hokkaido; (I JMA) at Aomori, Miyako and Morioka, Honshu.
	31	12	17	00.1	43.613	N	127.429	W	10	G	4.9 4.4	0.9	56	OFF COAST OF OREGON
	31	12	48	28.6*	29.993	S	177.879	W	33	N	5.4 3.8	1.4	16	KERMADEC ISLANDS
	31	12	56	32.0*	62.854	N	143.331	W	33	N		1.4	6	CENTRAL ALASKA. ML 3.1 (PMR).
	31	14	26	54.9&	40.290	N	124.670	W	3	G			6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	31	15	32	27.1?	23.76	N	121.58	E	33	N		0.8	5	TAIWAN
	31	15	49	52.9	26.475	N	92.938	E	49	*	4.8	0.9	58	EASTERN INDIA
	31	16	56	48.9	25.205	N	63.215	E	33	N	4.9 4.3	0.9	69	PAKISTAN
	31	17	05	50.1&	37.437	N	121.713	W	4				13	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
a	31	18	24	21.7	49.145	N	156.362	E	43	D	5.1 5.2	0.9	136	KURIL ISLANDS
	31	18	33	48.6&	38.817	N	122.813	W	5				6	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=4.6*10**21 (BRK).
o	31	19	19	24.5	4.300	S	102.772	E	89		5.4	1.0	100	SOUTHERN SUMATERA
	31	20	29	23.7	0.883	S	127.602	E	33	N	5.1	1.2	50	HALMAHERA
	31	21	10	31.5?	23.20	S	179.54	E	584	?	4.9	0.9	21	SOUTH OF FIJI ISLANDS
	31	22	03	37.8%	39.289	N	28.189	E	10	G		0.2	6	TURKEY
	31	22	05	22.3%	39.343	N	28.138	E	10	G		0.2	5	TURKEY
	31	22	10	37.0	10.560	S	165.176	E	69	D	5.1	1.1	32	SANTA CRUZ ISLANDS
	31	23	49	57.6	42.240	N	21.773	E	10	G		0.7	12	YUGOSLAVIA. ML 3.2 (TTG). Felt (V) in the Bujanovac area.

ADDITIONAL SOURCE PARAMETERS

01 12 30 02.11 27.305S 176.402W 33km
5.6mb (25 obs.) 6.0Msz (14 obs.)
KERMADEC ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=80 Slip= 90
NP2: 200 10 90
Principal Axes:
T Plg=55 Azm=290
P 35 110
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 10 No. of sta: 13
Principal Axes:
Scale 10**25 d-cm
T Val= 1.55 Plg=46 Azm=263
N 0.04 27 25
P -1.59 32 133
Best Double Couple:Mo=1.6*10**25
NP1:Strike=276 Dip=28 Slip= 163
NP2: 21 82 63
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 12:30:11.6 0.3
Lat 27.18S 0.03 Lon 176.38W 0.03
Dep 15.8 1.5 Half-duration 3.7
Principal Axes:
Scale 10**25 D-CM
T Val= 1.53 Plg=62 Azm=262
N 0.10 7 5
P -1.63 27 98
Best Double Couple:Mo=1.6*10**25
NP1:Strike=204 Dip=19 Slip= 110
NP2: 3 72 83

01 12 53 49.19 27.150S 176.379W 33km
5.4mb (16 obs.) 6.1Msz (6 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 12:53:57.9 0.6
Lat 27.25S 0.05 Lon 176.14W 0.06
Dep 21.6 2.8 Half-duration 3.7
Principal Axes:
Scale 10**24 D-CM
T Val= 10.86 Plg=69 Azm=250
N 1.04 10 9
P -11.90 18 102
Best Double Couple:Mo=1.1*10**25
NP1:Strike=208 Dip=29 Slip= 112
NP2: 3 64 79

01 18 51 05.33 56.822S 147.258E 10km
5.1mb (9 obs.) 5.7Msz (8 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 34C
Centroid Location:
Origin Time 18:51:15.2 0.3
Lat 56.78S 0.03 Lon 146.59E 0.05
Dep 15.0 BDY Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 7.02 Plg=11 Azm= 30
N -0.15 68 272
P -6.88 19 124
Best Double Couple:Mo=6.9*10**24
NP1:Strike=166 Dip=69 Slip= -6
NP2: 258 84 -159

03 08 17 52.32 15.722S 174.631W 33km
4.8mb (7 obs.) 5.2Msz (3 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 26C
Centroid Location:
Origin Time 08:17:55.2 0.6
Lat 15.62S 0.05 Lon 174.62W 0.06
Dep 25.7 4.5 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.17 Plg=17 Azm= 89
N 0.22 71 300
P -2.40 9 182
Best Double Couple:Mo=2.3*10**24
NP1:Strike=226 Dip=72 Slip= 5
NP2: 135 85 161

03 16 59 56.86 24.082S 179.920W 527km
5.3mb (28 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 17:00: 4.1 0.6
Lat 23.93S 0.05 Lon 179.92E 0.07
Dep 539.1 2.6 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.84 Plg=45 Azm= 81
N -0.21 18 191
P -2.63 39 296
Best Double Couple:Mo=2.7*10**24
NP1:Strike= 90 Dip=19 Slip= 170
NP2: 189 87 72

03 22 49 50.96 27.352S 176.266W 44km
5.3mb (12 obs.) 5.1Msz (5 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 22:49:57.2 0.6
Lat 26.99S 0.06 Lon 176.42W 0.07
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 2.15 Plg=63 Azm=263
N 0.14 4 2
P -2.29 27 94
Best Double Couple:Mo=2.2*10**24
NP1:Strike=195 Dip=18 Slip= 104
NP2: 1 72 85

05 01 45 36.11 36.474S 97.628W 10km
5.3mb (16 obs.) 5.5Msz (3 obs.)
WEST CHILE RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 01:45:42.2 0.2
Lat 36.26S 0.04 Lon 97.60W 0.04
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 6.08 Plg= 0 Azm=226
N -0.54 90 180
P -5.54 0 136
Best Double Couple:Mo=5.8*10**24
NP1:Strike=271 Dip=90 Slip= 180
NP2: 1 90 0

05 06 56 34.68 51.257S 139.199E 10km
5.5mb (17 obs.) 5.9Msz (20 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 29C
Centroid Location:
Origin Time 06:56:41.5 0.3
Lat 50.95S 0.03 Lon 138.99E 0.05
Dep 15.0 FIX Half-duration 3.9
Principal Axes:
Scale 10**25 D-CM
T Val= 1.42 Plg= 9 Azm=223
N -0.32 76 354
P -1.10 10 131
Best Double Couple:Mo=1.3*10**25
NP1:Strike=267 Dip=76 Slip=-179
NP2: 177 89 -14

05 09 01 52.07 27.042S 176.372W 33km
5.1mb (11 obs.) 4.8Msz (1 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centroid Location:
Origin Time 09:01:56.6 1.2
Lat 26.91S 0.11 Lon 176.37W 0.16
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.89 Plg=49 Azm=337
N -0.05 24 217
P -1.84 31 111
Best Double Couple:Mo=1.9*10**24
NP1:Strike=151 Dip=26 Slip= 22
NP2: 41 81 114

05 11 34 14.71 31.109S 179.942E 440km
5.1mb (25 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 16C
Centroid Location:
Origin Time 11:34:18.6 1.3
Lat 31.07S 0.13 Lon 179.71E 0.12
Dep 432.8 6.4 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 4.73 Plg=15 Azm= 81
N 2.16 16 175
P -6.90 68 309
Best Double Couple:Mo=5.8*10**23
NP1:Strike=149 Dip=33 Slip=-121
NP2: 4 62 -72

05 22 31 00.37 21.715S 173.648W 34km
5.6mb (24 obs.) 5.3Msz (10 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centroid Location:
Origin Time 22:31: 7.6 0.4
Lat 21.77S 0.03 Lon 173.67W 0.04
Dep 52.6 1.7 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 3.65 Plg=78 Azm=132
N 0.33 4 23
P -3.97 11 292
Best Double Couple:Mo=3.8*10**24
NP1:Strike= 17 Dip=34 Slip= 83
NP2: 206 57 95

06 16 55 00.50 55.039S 126.777W 10km
5.4mb (7 obs.) 5.1Msz (1 obs.)
EASTER ISLAND CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 16:55: 8.4 0.2
Lat 55.32S 0.03 Lon 126.50W 0.04
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.17 Plg= 0 Azm=151
N -0.62 90 180
P -2.55 0 61
Best Double Couple:Mo=2.9*10**24
NP1:Strike=196 Dip=90 Slip= 180
NP2: 286 90 0

07 05 40 39.28 6.783N 95.120E 215km
5.4mb (91 obs.)
NICOBAR ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 26C
Centroid Location:
Origin Time 05:40:39.5 0.3
Lat 6.86N 0.03 Lon 94.87E 0.03
Dep 206.5 1.4 Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 6.82 Plg= 8 Azm=139
N -0.39 79 5
P -6.43 8 230
Best Double Couple:Mo=6.6*10**24
NP1:Strike=274 Dip=79 Slip= 0
NP2: 4 90 -169

07 14 17 09.56 43.274N 25.912E 21km
5.2mb (37 obs.) 5.6Msz (3 obs.)

BULGARIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 20C
Centroid Location:
Origin Time 14:17:11.3 0.5
Lat 43.01N 0.05 Lon 26.01E 0.09
Dep 15.0 BDY Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Val= 3.30 Plg=16 Azm=200
N -0.50 71 347
P -2.79 10 107
Best Double Couple:Mo=3.1*10**24
NP1:Strike=243 Dip=71 Slip= 175
NP2: 335 86 19

07 14 40 29.40 0.851N 124.362E 220km 5.8mb (50 obs.)
MINAHASSA PENINSULA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 60 Dip=83 Slip= 120
NP2: 162 31 14
Principal Axes:
T Plg=44 Azm=359
P 31 126
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.
MOMENT TENSOR SOLUTION
Dep 182 No. of sta: 7
Principal Axes:
Scale 10**24 d-cm
T Val= 8.19 Plg=26 Azm= 27
N 2.47 52 258
P -10.65 25 130
Best Double Couple:Mo=9.4*10**24
NP1:Strike=168 Dip=52 Slip= 1
NP2: 78 90 142
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 14:40:32.9 0.3
Lat 0.73N 0.03 Lon 124.50E 0.05
Dep 200.2 1.6 Half-duration 4.1
Principal Axes:
Scale 10**24 D-CM
T Val= 12.39 Plg=46 Azm= 10
N 2.85 32 240
P -15.24 27 131
Best Double Couple:Mo=1.4*10**25
NP1:Strike=173 Dip=34 Slip= 20
NP2: 67 79 122

07 16 56 36.30 18.823N 107.200W 10km 5.0mb (14 obs.) 5.6Msz (1 obs.)
OFF COAST OF JALISCO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centroid Location:
Origin Time 16:56:45.9 0.2
Lat 19.12N 0.03 Lon 107.72W 0.03
Dep 15.0 FIX Half-duration 4.3
Principal Axes:
Scale 10**25 D-CM
T Val= 1.83 Plg= 8 Azm= 60
N -0.12 69 308
P -1.71 19 153
Best Double Couple:Mo=1.8*10**25
NP1:Strike=195 Dip=71 Slip= -8
NP2: 288 83 -161

08 03 03 25.99 46.937N 27.462W 10km 5.1mb (51 obs.) 4.9Msz (11 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 15C
Centroid Location:
Origin Time 03:03:33.5 0.6
Lat 47.72N 0.15 Lon 27.70W 0.11
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.33 Plg=19 Azm=100
N 0.43 19 3
P -1.76 62 231
Best Double Couple:Mo=1.5*10**24
NP1:Strike=219 Dip=31 Slip= -50
NP2: 354 67 -111

10 19 35 55.26 4.756N 126.528E 75km 5.3mb (28 obs.)
TALAUD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 19:36: 0.6 0.8
Lat 5.01N 0.08 Lon 126.90E 0.11
Dep 27.0 8.0 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 8.94 Plg=63 Azm=265
N 2.23 3 2
P -11.17 27 94
Best Double Couple:Mo=1.0*10**24
NP1:Strike=192 Dip=18 Slip= 101
NP2: 1 72 86

10 23 55 21.05 24.968N 121.813E 104km 5.2mb (50 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 13C
Centroid Location:
Origin Time 23:55:28.4 1.1
Lat 24.88N 0.10 Lon 121.01E 0.19
Dep 123.7 5.2 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 5.96 Plg=51 Azm=122
N 0.00 22 2
P -5.96 30 259
Best Double Couple:Mo=6.0*10**23
NP1:Strike=303 Dip=25 Slip= 28
NP2: 187 79 112

11 19 56 12.58 10.488S 160.715E 61km 5.5mb (24 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 20C
Centroid Location:
Origin Time 19:56:13.7 0.4
Lat 10.89S 0.06 Lon 160.64E 0.05
Dep 44.5 3.8 Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.04 Plg=61 Azm=164
N 0.88 29 338
P -1.92 2 70
Best Double Couple:Mo=1.5*10**24
NP1:Strike=187 Dip=50 Slip= 130
NP2: 315 54 53

12 03 17 55.91 26.686S 177.726W 33km 4.9mb (5 obs.) 4.8Msz (1 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centroid Location:
Origin Time 03:18: 1.1 1.8
Lat 26.57S 0.10 Lon 178.04W 0.15
Dep 15.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 8.69 Plg= 4 Azm=301
N -0.89 21 209
P -7.80 69 40
Best Double Couple:Mo=8.3*10**23
NP1:Strike= 52 Dip=45 Slip= -60
NP2: 192 52 -117

12 06 58 51.34 26.861S 177.741W 33km 5.1mb (3 obs.) 4.6Msz (1 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 06:58:49.6 1.2
Lat 27.04S 0.12 Lon 177.80W 0.16
Dep 15.0 BDY Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 5.23 Plg=17 Azm=124
N -0.55 10 217
P -4.68 70 337
Best Double Couple:Mo=5.0*10**23
NP1:Strike=198 Dip=30 Slip=-111
NP2: 42 63 -78

12 10 29 50.66 26.929S 177.693W 33km 4.9mb (4 obs.) 4.7Msz (1 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 10:29:54.4 1.1
Lat 26.11S 0.09 Lon 177.96W 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.61 Plg= 9 Azm=121
N -0.65 14 213
P -5.97 73 359
Best Double Couple:Mo=6.3*10**23
NP1:Strike=194 Dip=38 Slip=-113
NP2: 43 56 -73

12 15 42 32.65 17.934S 178.604W 587km 5.3mb (26 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 5S, 8C
Centroid Location:
Origin Time 15:42:41.9 2.0
Lat 18.36S 0.25 Lon 179.13W 0.25
Dep 579.110.5 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 5.47 Plg= 5 Azm= 42
N 1.09 20 133
P -6.56 69 299
Best Double Couple:Mo=6.0*10**23
NP1:Strike=111 Dip=44 Slip=-120
NP2: 329 53 -65

12 15 55 30.85 7.115S 107.392E 89km 5.2mb (11 obs.)
JAVA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 4S, 8C
Centroid Location:
Origin Time 15:55:28.0 4.1
Lat 6.32S 0.40 Lon 107.48E 0.17
Dep 56.213.4 Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.04 Plg=16 Azm=109
N 0.22 69 247
P -1.26 14 15
Best Double Couple:Mo=1.1*10**24
NP1:Strike=151 Dip=69 Slip= 178
NP2: 242 88 21

13 18 02 21.51 26.719S 177.755W 33km 5.6mb (6 obs.) 5.1Msz (1 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centroid Location:
Origin Time 18:02:23.9 0.6
Lat 26.58S 0.05 Lon 178.02W 0.06
Dep 15.0 BDY Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.53 Plg= 3 Azm=297
N -0.07 9 206
P -1.46 81 47
Best Double Couple:Mo=1.5*10**24
NP1:Strike= 36 Dip=43 Slip=-77
NP2: 199 49 -101

13 18 31 52.46 17.955S 167.655E 17km 5.5mb (17 obs.) 5.6Msz (5 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 18:32: 0.7 0.5
Lat 17.98S 0.11 Lon 167.28E 0.08
Dep 15.0 BDY Half-duration 2.9
Principal Axes:

Scale 10**24 D-CM
T Val= 5.13 Plg=48 Azm=344
N -0.15 29 111
P -4.98 28 218
Best Double Cauple:Mo=5.1*10**24
NP1:Strike=356 Dip=31 Slip= 158
NP2: 105 79 61

14 07 42 17.91 18.045S 174.957W 265km
5.0mb (20 abs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 5S, 9C
Centraid Lacatian:
Origin Time 07:42:24.4 1.5
Lat 18.42S 0.20 Lon 174.94W 0.16
Dep 273.3 6.1 Half-duratian 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.52 Plg=60 Azm= 18
N 0.34 30 198
P -5.86 0 108
Best Double Cauple:Mo=5.7*10**23
NP1:Strike=172 Dip=52 Slip= 51
NP2: 45 52 129

15 20 31 20.47 15.826S 177.605W 438km
5.1mb (14 abs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centraid Location:
Origin Time 20:31:25.7 1.0
Lat 15.94S 0.20 Lon 177.30W 0.16
Dep 429.1 6.4 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 5.27 Plg=49 Azm=121
N 3.39 36 336
P -8.66 17 233
Best Double Couple:Ma=7.0*10**23
NP1:Strike=282 Dip=42 Slip= 29
NP2: 170 71 128

16 08 18 27.75 18.012S 167.658E 10km
5.2mb (7 abs.) 5.1Msz (2 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 12C
Centraid Location:
Origin Time 08:18:34.5 0.4
Lot 18.32S 0.07 Lon 167.52E 0.06
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 3.30 Plg=57 Azm= 26
N -0.07 10 132
P -3.23 31 228
Best Double Couple:Mo=3.3*10**24
NP1:Strike=348 Dip=17 Slip= 127
NP2: 130 77 80

16 10 27 21.62 51.629N 175.388W 33km
5.1mb (44 abs.) 4.4Msz (1 abs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 10:27:26.7 1.3
Lat 52.00N 0.11 Lon 175.34W 0.18
Dep 45.2 6.3 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.09 Plg=70 Azm= 31
N 1.13 19 232
P -7.23 7 140
Best Double Couple:Mo=6.7*10**23
NP1:Strike=209 Dip=42 Slip= 60
NP2: 66 55 114

17 08 31 30.35 36.539N 71.125E 225km
5.1mb (61 abs.)
AFGHANISTAN-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 08:31:29.2 0.4
Lat 36.34N 0.07 Lon 71.28E 0.07
Dep 220.8 2.6 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 1.75 Plg=79 Azm=255
N 0.89 6 17
P -2.64 9 108
Best Double Couple:Ma=2.2*10**24
NP1:Strike=205 Dip=36 Slip= 100
NP2: 13 55 83

19 03 41 55.31 9.917S 119.201E 25km
5.7mb (29 abs.) 6.2Msz (13 abs.)
SUMBA ISLAND REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 47 Dip=64 Slip= 163
NP2: 145 75 27
Principal Axes:
T Plg=30 Azm= 8
P 7 274
Camment: The focal mechanism is maderately well controlled and corresponds to strike-slip faulting with a maderate reverse companent. The preferred fault plane is nat determined.
RADIATED ENERGY
Na. of sto: 4 Focal mech. M
Energy 1.0±0.3*10**21 d-cm
MOMENT TENSOR SOLUTION
Dep 8 Na. af sta: 9
Principal Axes:
Scale 10**25 d-cm
T Val= 6.93 Plg=25 Azm=345
N -1.91 61 134
P -5.02 13 249
Best Double Couple:Ma=6.0*10**25
NP1:Strike= 25 Dip=63 Slip= 171
NP2: 119 82 27
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 12S, 30C
Centroid Locotion:
Origin Time 03:41:54.6 1.0
Lot 10.91S 0.08 Lon 119.81E 0.05
Dep 15.0 FIX Half-duration 5.2
Principal Axes:
Scale 10**25 D-CM
T Val= 4.03 Plg=54 Azm= 33
N 0.46 12 287
P -4.50 34 189
Best Double Couple:Ma=4.3*10**25
NP1:Strike=239 Dip=16 Slip= 41
NP2: 109 80 102

19 10 39 11.47 12.547N 88.432W 33km
5.1mb (21 abs.) 4.6Msz (2 abs.)
OFF COAST OF CENTRAL AMERICA
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 6S, 14C
Centroid Locatian:
Origin Time 10:39:12.0 0.9
Lat 12.47N 0.15 Lan 88.69W 0.19
Dep 15.0 FIX Half-duratian 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 13.93 Plg=49 Azm= 53
N 0.08 9 313
P -14.01 40 215
Best Double Couple:Mo=1.4*10**24
NP1:Strike=249 Dip=10 Slip= 26
NP2: 133 86 99

19 13 50 10.34 51.517N 176.977W 33km
5.3mb (22 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 13:50:13.9 1.0
Lat 52.33N 0.12 Lan 177.41W 0.23
Dep 49.312.1 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.46 Plg=51 Azm=303
N -1.72 27 71
P -3.74 26 176
Best Double Couple:Ma=4.6*10**23
NP1:Strike=310 Dip=31 Slip= 152
NP2: 64 76 62

20 05 04 38.68 7.710S 75.460W 37km
5.4mb (25 abs.) 4.3Msz (2 abs.)
NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 12C
Centraid Lacatian:
Origin Time 05:04:44.3 1.2
Lat 7.35S 0.14 Lon 75.46W 0.31
Dep 33.0 FIX Half-duratian 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.51 Plg=40 Azm=274
N -0.04 7 178
P -7.47 49 80
Best Double Cauple:Ma=7.5*10**23
NP1:Strike= 57 Dip= 9 Slip= -31
NP2: 178 86 -97

20 07 59 01.45 28.215S 176.702W 33km
5.4mb (14 obs.) 5.5Msz (1 abs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centraid Lacatian:
Origin Time 07:59:10.5 0.8
Lat 27.82S 0.06 Lan 176.70W 0.08
Dep 62.9 5.4 Half-duratian 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 12.84 Plg=50 Azm=252
N 1.87 32 31
P -14.71 21 135
Best Double Cauple:Ma=1.4*10**24
NP1:Strike=266 Dip=37 Slip= 151
NP2: 20 73 56

20 08 21 23.32 28.182S 176.859W 44km
5.5mb (28 obs.) 5.9Msz (9 abs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 35C
Centroid Lacatian:
Origin Time 08:21:27.8 0.3
Lot 28.11S 0.03 Lon 176.79W 0.03
Dep 18.4 1.5 Half-duration 4.2
Principal Axes:
Scale 10**25 D-CM
T Val= 1.31 Plg=68 Azm=280
N 0.27 1 13
P -1.58 22 103
Best Double Couple:Mo=1.4*10**25
NP1:Strike=196 Dip=23 Slip= 93
NP2: 12 67 89

20 21 27 01.44 28.171S 176.622W 33km
5.3mb (14 abs.) 5.5Msz (4 abs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centraid Lacatian:
Origin Time 21:27: 7.5 0.6
Lat 28.01S 0.04 Lan 176.57W 0.06
Dep 18.6 2.6 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.11 Plg=70 Azm=311
N 0.17 9 195
P -2.28 18 102
Best Double Couple:Ma=2.2*10**24
NP1:Strike=178 Dip=28 Slip= 70
NP2: 20 64 100

20 23 47 08.91 29.985N 51.623E 26km
5.5mb (77 abs.) 5.0Msz (4 abs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Lacatian:
Origin Time 23:47: 9.6 0.6
Lat 29.97N 0.08 Lan 51.25E 0.07
Dep 15.0 BDY Half-duratian 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 1.36 Plg=13 Azm=304
N 0.43 70 74
P -1.79 15 211
Best Double Couple:Mo=1.6*10**24
NP1:Strike=348 Dip=70 Slip=-179

NP2: 257 89 -20

21 01 10 51.17 28.101S 176.737W 17km
6.1mb (36 obs.) 6.6Msz (24 obs.)
KERMADEC ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=80 Slip= 90
NP2: 205 10 90
Principal Axes:
T Plg=55 Azm=295
P 35 115
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 12
Principal Axes:
Scale 10**25 d-cm
T Val= 5.52 Plg=71 Azm=229
N 1.04 13 1
P -6.56 13 95
Best Double Couple:Mo=6.0*10**25
NP1:Strike=202 Dip=34 Slip= 114
NP2: 354 60 75
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 18S, 48C M.W.: 9S, 22C
Centroid Location:
Origin Time 01:10:57.4 0.2
Lat 28.06S 0.02 Lon 176.37W 0.02
Dep 17.4 0.8 Half-duration 6.9
Principal Axes:
Scale 10**25 D-CM
T Val= 6.78 Plg=67 Azm=267
N 0.27 6 12
P -7.05 22 105
Best Double Couple:Mo=6.9*10**25
NP1:Strike=207 Dip=23 Slip= 106
NP2: 10 68 83

21 11 34 52.33 2.758N 125.825E 131km
5.3mb (24 obs.)
TALAUD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 11:34:49.9 0.6
Lat 2.83N 0.05 Lon 125.96E 0.05
Dep 86.9 2.9 Half-duration 2.1
Principal Axes:
Scale 10**24 D-CM
T Val= 1.60 Plg=75 Azm=327
N 0.32 10 195
P -1.92 11 103
Best Double Couple:Mo=1.8*10**24
NP1:Strike=180 Dip=35 Slip= 72
NP2: 21 56 102

22 02 04 18.87 0.645N 121.336E 96km
5.4mb (15 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 22C
Centroid Location:
Origin Time 02:04:22.4 0.5
Lat 0.87N 0.05 Lon 121.37E 0.06
Dep 87.4 2.6 Half-duration 2.4
Principal Axes:
Scale 10**24 D-CM
T Val= 3.26 Plg=10 Azm=272
N -0.43 71 31
P -2.83 16 179
Best Double Couple:Mo=3.0*10**24
NP1:Strike=316 Dip=72 Slip=-175
NP2: 225 85 -19

22 14 18 37.91 56.879S 48.760W 10km
6.0mb (28 obs.) 5.9Msz (10 obs.)
SCOTIA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 39 Dip=90 Slip=-177
NP2: 309 87 -360
Principal Axes:
T Plg= 2 Azm=174
P 2 264
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 39 No. of sta: 6
Principal Axes:
Scale 10**25 d-cm
T Val= 5.91 Plg= 6 Azm= 7
N 0.21 79 245
P -6.11 9 97
Best Double Couple:Mo=6.0*10**25
NP1:Strike=142 Dip=80 Slip= -2
NP2: 232 88 -170
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 37C
Centroid Location:
Origin Time 14:18:45.0 0.2
Lat 57.10S 0.02 Lon 49.05W 0.05
Dep 15.0 BDY Half-duration 5.6
Principal Axes:
Scale 10**25 D-CM
T Val= 4.06 Plg=15 Azm=154
N 1.24 61 273
P -5.30 24 57
Best Double Couple:Mo=4.7*10**25
NP1:Strike=198 Dip=61 Slip=-173
NP2: 104 84 -29

22 23 09 03.60 22.588S 179.212E 599km
5.3mb (30 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 23:09: 9.0 1.0
Lat 23.02S 0.10 Lon 179.23E 0.09
Dep 618.1 6.0 Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.20 Plg=19 Azm=220
N 0.43 50 106
P -1.63 34 323
Best Double Couple:Mo=1.4*10**24
NP1:Strike=357 Dip=51 Slip= -13
NP2: 95 80 -141

25 17 17 34.20 44.891S 80.105W 10km
5.7mb (27 obs.) 5.6Msz (13 obs.)
OFF COAST OF SOUTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C
Centroid Location:
Origin Time 17:17:42.4 0.2
Lat 44.77S 0.03 Lon 80.42W 0.04
Dep 15.0 FIX Half-duration 5.4
Principal Axes:
Scale 10**25 D-CM
T Val= 4.52 Plg=25 Azm=212
N -0.87 56 78
P -3.65 21 312
Best Double Couple:Mo=4.1*10**25
NP1:Strike=353 Dip=56 Slip= 3
NP2: 262 88 146

26 07 03 47.50 24.384S 179.785E 515km
4.9mb (22 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 15C
Centroid Location:
Origin Time 07:03:53.5 1.7
Lat 24.39S 0.12 Lon 179.75E 0.19
Dep 539.7 6.4 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 10.87 Plg=53 Azm= 48
N -3.91 24 175
P -6.96 26 277
Best Double Couple:Mo=8.9*10**23
NP1:Strike= 49 Dip=29 Slip= 148
NP2: 168 75 65

26 19 51 46.08 54.263S 143.820E 10km
5.6mb (12 obs.) 5.7Msz (8 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 19:51:50.0 0.6
Lat 54.44S 0.04 Lon 144.27E 0.11
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 6.44 Plg= 3 Azm=219
N 0.26 75 119
P -6.70 15 309
Best Double Couple:Mo=6.6*10**24
NP1:Strike=353 Dip=78 Slip= -9
NP2: 85 81 -167

27 02 43 53.84 56.214S 27.361W 33km
5.6mb (7 obs.) 5.1Msz (2 abs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 6S, 13C
Centroid Location:
Origin Time 02:43:55.9 1.6
Lat 56.23S 0.09 Lon 28.28W 0.26
Dep 22.7 5.7 Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.82 Plg=89 Azm=203
N -0.35 1 348
P -1.47 1 78
Best Double Couple:Mo=1.6*10**24
NP1:Strike=169 Dip=44 Slip= 92
NP2: 347 46 88

27 15 46 58.54 6.695S 130.816E 58km
5.6mb (25 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=325 Dip=85 Slip= 151
NP2: 58 61 6
Principal Axes:
T Plg=24 Azm=278
P 16 15
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 104 No. of sta: 3
Principal Axes:
Scale 10**24 d-cm
T Val= 2.04 Plg=15 Azm=264
N 0.05 60 147
P -2.10 25 1
Best Double Couple:Mo=2.1*10**24
NP1:Strike= 41 Dip=61 Slip= -8
NP2: 135 83 -151
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 21C
Centroid Location:
Origin Time 15:47: 5.5 1.1
Lat 6.49S 0.09 Lon 131.08E 0.07
Dep 93.1 3.4 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 4.33 Plg=18 Azm=278
N -0.14 63 150
P -4.20 20 15
Best Double Couple:Mo=4.3*10**24
NP1:Strike= 56 Dip=63 Slip= -2
NP2: 147 88 -153

27 18 19 00.42 19.893N 144.334E 439km
5.1mb (38 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 16C
Centroid Location:
Origin Time 18:19: 3.4 0.8
Lat 20.08N 0.06 Lon 144.17E 0.08
Dep 425.9 4.0 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.61 Plg=20 Azm=201
N 0.04 36 95
P -1.65 47 314
Best Double Couple:Mo=1.6*10**24
NP1:Strike=334 Dip=40 Slip= -25
NP2: 83 74 -128

28 19 31 55.31 38.430S 78.632E 10km
5.1mb (6 obs.) 4.8Msz (1 obs.)
MID-INDIAN RISE

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 19:32: 1.1 0.8
Lat 38.76S 0.13 Lon 78.23E 0.11
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.19	19	92
N	-0.36	71	279
P	-0.82	2	183

Best Double Couple:Mo=1.0*10**24
NP1:Strike=229 Dip=75 Slip= 12
NP2: 136 78 165

28 20 04 35.13 38.775S 78.695E 10km
5.6mb (14 obs.) 6.1Msz (9 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 11S, 28C M.W.: 9S, 20C
Centroid Location:
Origin Time 20:04:44.2 0.2
Lat 38.85S 0.02 Lon 78.31E 0.02
Dep 15.0 FIX Half-duration 5.2
Principal Axes:
Scale 10**25 D-CM

	Val=	Plg=	Azm=
T	2.85	9	88
N	-0.20	69	334
P	-2.65	19	181

Best Double Couple:Mo=2.8*10**25
NP1:Strike=223 Dip=70 Slip= -7
NP2: 316 83 -160

29 12 39 19.41 0.592S 19.835W 10km
5.3mb (53 obs.) 4.6Msz (2 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 19C
Centroid Location:
Origin Time 12:39:29.1 1.0
Lat 0.09N 0.04 Lon 19.56W 0.11
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.27	0	215
N	-0.12	90	180
P	-1.15	0	125

Best Double Couple:Mo=1.2*10**24
NP1:Strike=260 Dip=90 Slip= 180
NP2: 350 90 0

29 12 53 01.39 28.192S 63.057W 597km
5.2mb (50 obs.)
SANTIAGO DEL ESTERO PROV., ARG.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centroid Location:
Origin Time 12:53: 7.2 1.1
Lat 28.04S 0.13 Lon 63.09W 0.16
Dep 625.9 9.3 Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	1.46	50	268
N	-0.16	7	169
P	-1.30	39	74

Best Double Couple:Mo=1.4*10**24
NP1:Strike=118 Dip= 9 Slip= 39
NP2: 350 84 97

29 15 49 59.19 15.220N 119.880E 53km
6.0mb (90 obs.)
LUZON, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=167 Dip=50 Slip= 70
NP2: 17 44 112
Principal Axes:

	Plg=	Azm=
T	74	12
P	3	271

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: 4 Focal mech. M
Energy 6.6±2.9*10**19 d-cm
MOMENT TENSOR SOLUTION
Dep 36 No. of sta: 9
Principal Axes:
Scale 10**24 d-cm

	Val=	Plg=	Azm=
T	5.80	79	28
N	-0.12	6	155
P	-5.68	8	246

Best Double Couple:Mo=5.7*10**24
NP1:Strike=343 Dip=37 Slip= 101
NP2: 150 54 82
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 27C
Centroid Location:
Origin Time 15:50: 1.9 0.3
Lat 15.21N 0.03 Lon 119.40E 0.03
Dep 52.4 2.4 Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	6.06	76	78
N	0.92	0	168
P	-6.98	14	258

Best Double Couple:Mo=6.5*10**24
NP1:Strike=348 Dip=31 Slip= 90
NP2: 168 59 90

30 00 38 30.37 36.666N 137.896E 10km
5.5mb (67 obs.) 5.3Msz (6 obs.)
HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 00:38:36.2 0.6
Lat 36.42N 0.05 Lon 137.83E 0.08
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	2.93	51	205
N	0.01	39	24
P	-2.94	0	114

Best Double Couple:Mo=2.9*10**24
NP1:Strike=237 Dip=56 Slip= 139
NP2: 353 57 42

30 06 13 08.05 18.977S 177.808W 564km
5.1mb (27 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 19C
Centroid Location:
Origin Time 06:13:14.0 2.4
Lat 19.13S 0.18 Lon 177.87W 0.20
Dep 563.2 6.7 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	5.99	6	315
N	3.28	36	220
P	-9.28	53	54

Best Double Couple:Mo=7.6*10**23
NP1:Strike= 78 Dip=50 Slip= -40
NP2: 197 61 -132

30 09 04 44.97 6.416S 130.704E 102km
5.6mb (25 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 09:04:46.7 0.8
Lat 6.33S 0.06 Lon 131.24E 0.06
Dep 105.0 2.0 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	3.18	25	275
N	0.33	60	59
P	-3.51	16	178

Best Double Couple:Mo=3.3*10**24
NP1:Strike=314 Dip=61 Slip= 173
NP2: 48 84 29

30 15 32 13.57 20.399S 174.071W 24km
6.1mb (57 obs.) 5.8Msz (18 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=122 Dip=65 Slip= 90
NP2: 302 25 90
Principal Axes:

	Plg=	Azm=
T	70	32
P	20	212

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 27 No. of sta: 10
Principal Axes:
Scale 10**25 d-cm

	Val=	Plg=	Azm=
T	1.13	54	341
N	-0.02	31	129
P	-1.12	15	229

Best Double Couple:Mo=1.1*10**25
NP1:Strike=355 Dip=40 Slip= 144
NP2: 114 67 56
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C
Centroid Location:
Origin Time 15:32:20.1 0.2
Lat 20.17S 0.03 Lon 174.06W 0.03
Dep 33.9 2.0 Half-duration 3.7
Principal Axes:
Scale 10**24 D-CM

	Val=	Plg=	Azm=
T	9.28	51	328
N	2.65	39	150
P	-11.94	1	60

Best Double Couple:Mo=1.1*10**25
NP1:Strike=117 Dip=56 Slip= 41
NP2: 1 57 138

31 18 24 21.78 49.145N 156.362E 43km
5.1mb (56 obs.) 5.2Msz (3 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 18:24:28.0 1.1
Lat 49.38N 0.11 Lon 156.65E 0.20
Dep 27.0 8.4 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	4.39	70	315
N	0.10	0	225
P	-4.49	20	135

Best Double Couple:Mo=4.4*10**23
NP1:Strike=225 Dip=25 Slip= 90
NP2: 45 65 90

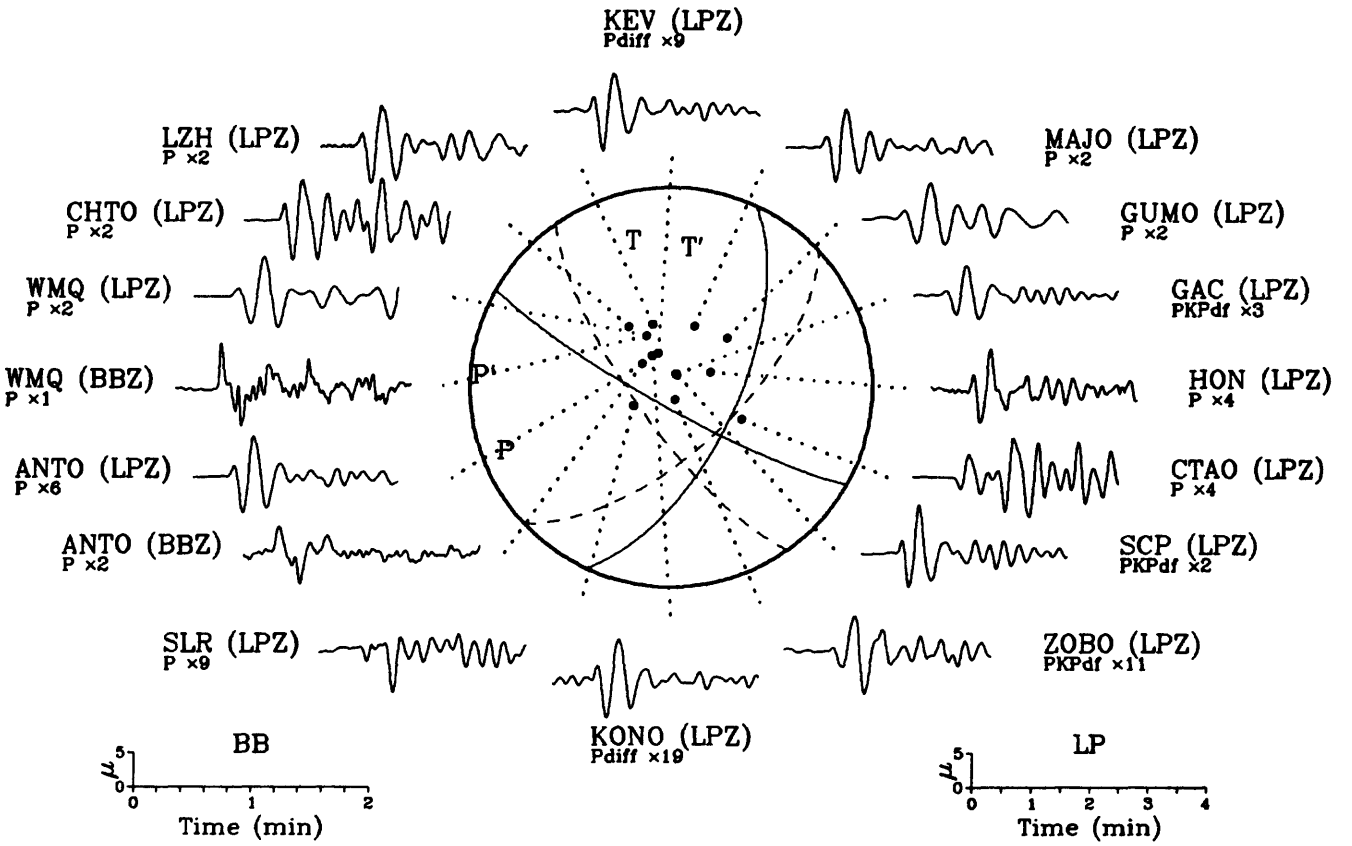
31 19 19 24.50 4.300S 102.772E 89km
5.4mb (16 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 19:19:28.7 1.0
Lat 4.65S 0.08 Lon 103.02E 0.14
Dep 60.2 8.5 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM

	Val=	Plg=	Azm=
T	4.80	73	45
N	-0.29	7	292
P	-4.51	15	200

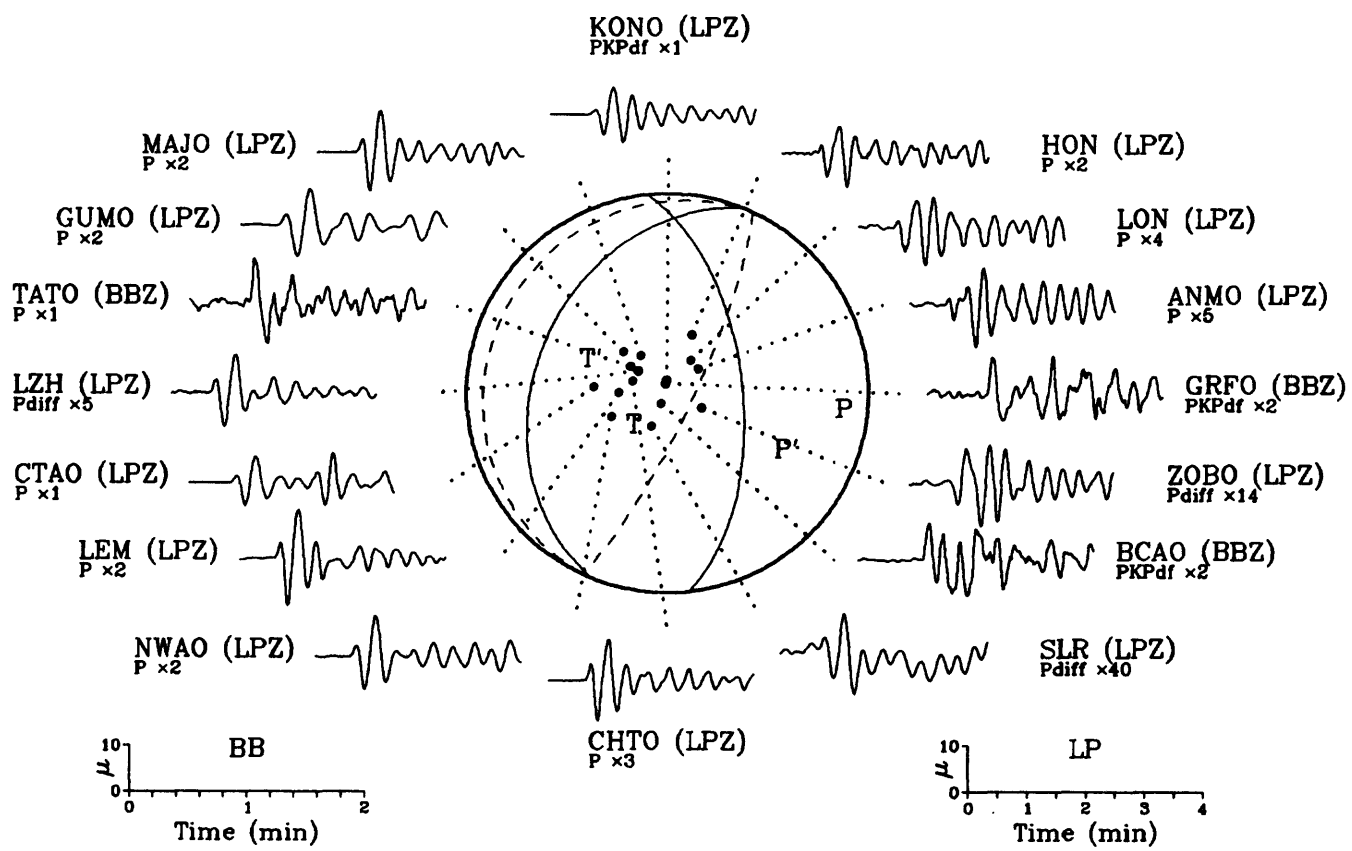
Best Double Couple:Mo=4.6*10**23
NP1:Strike=280 Dip=30 Slip= 76
NP2: 115 61 98

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

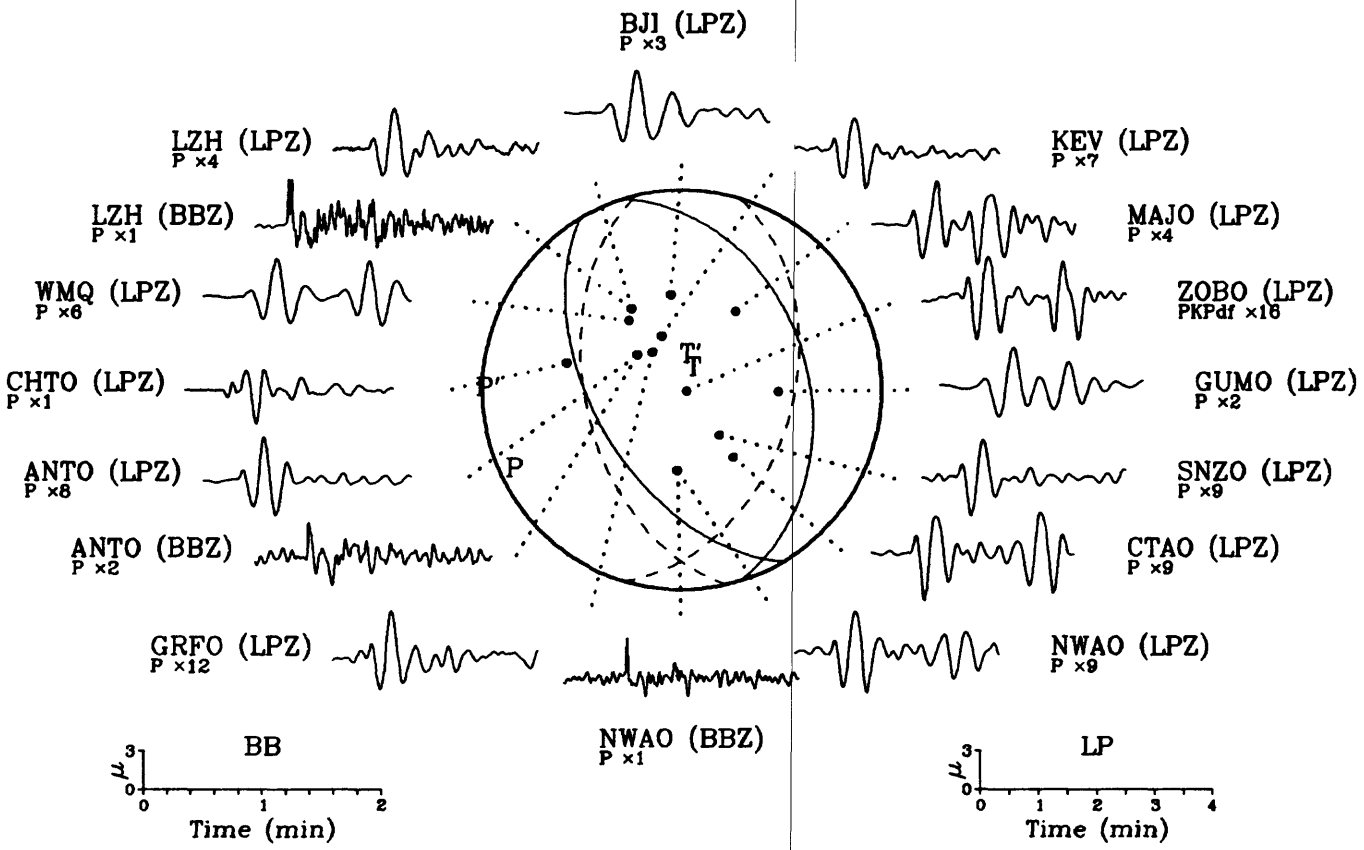
19 December 1986 03:41:55.31
Sumba Island Region



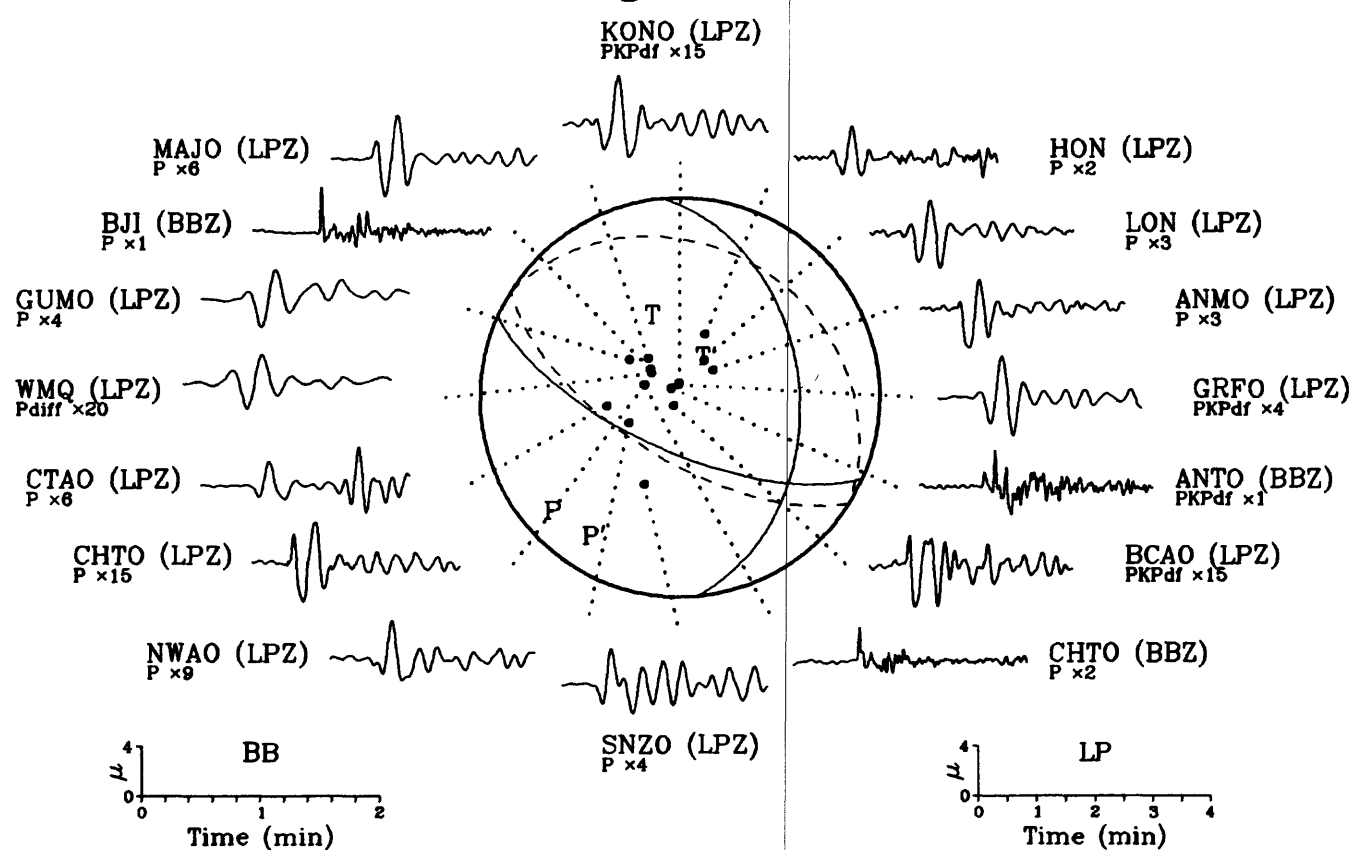
21 December 1986 01:10:51.17
Kermadec Islands Region

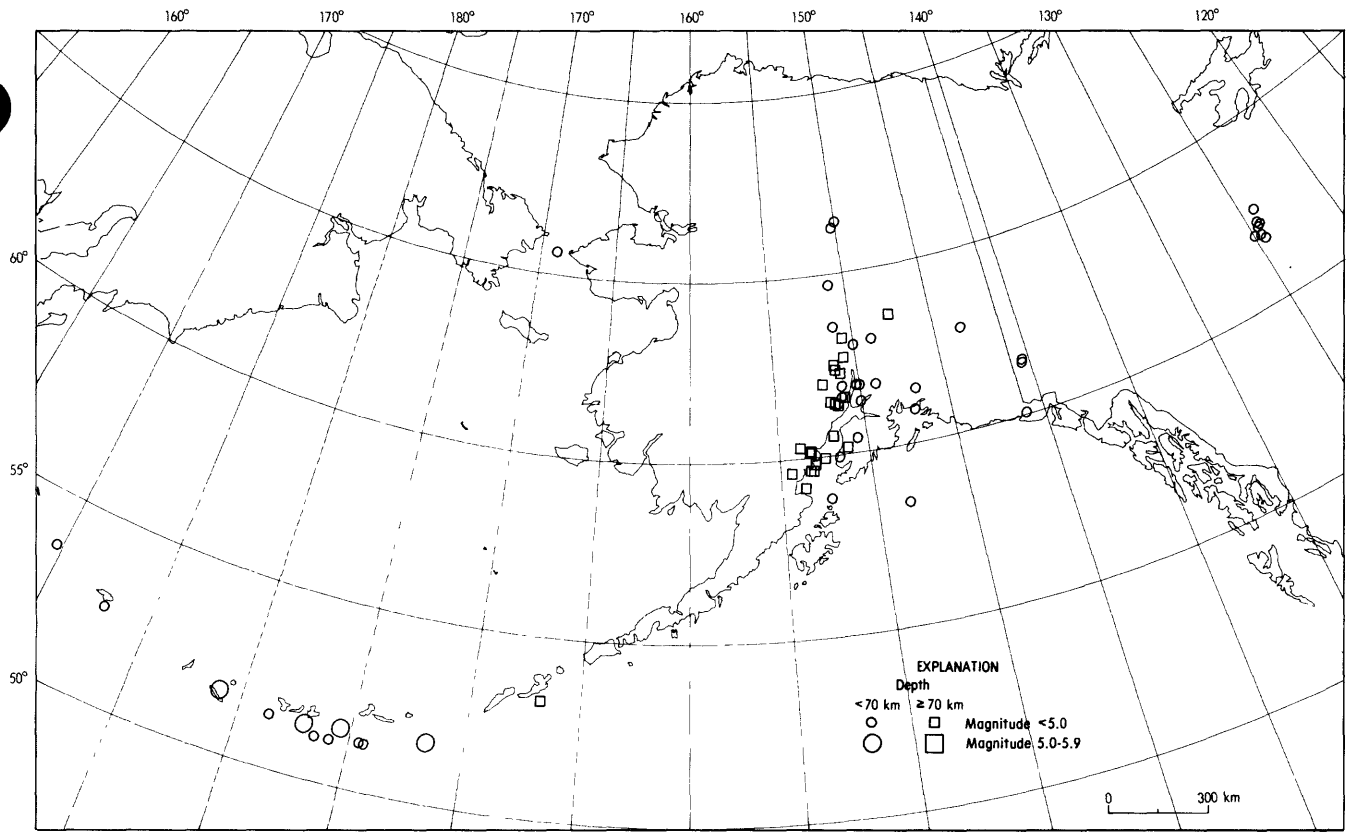


29 December 1986 15:49:59.19
Luzon, Philippine Islands

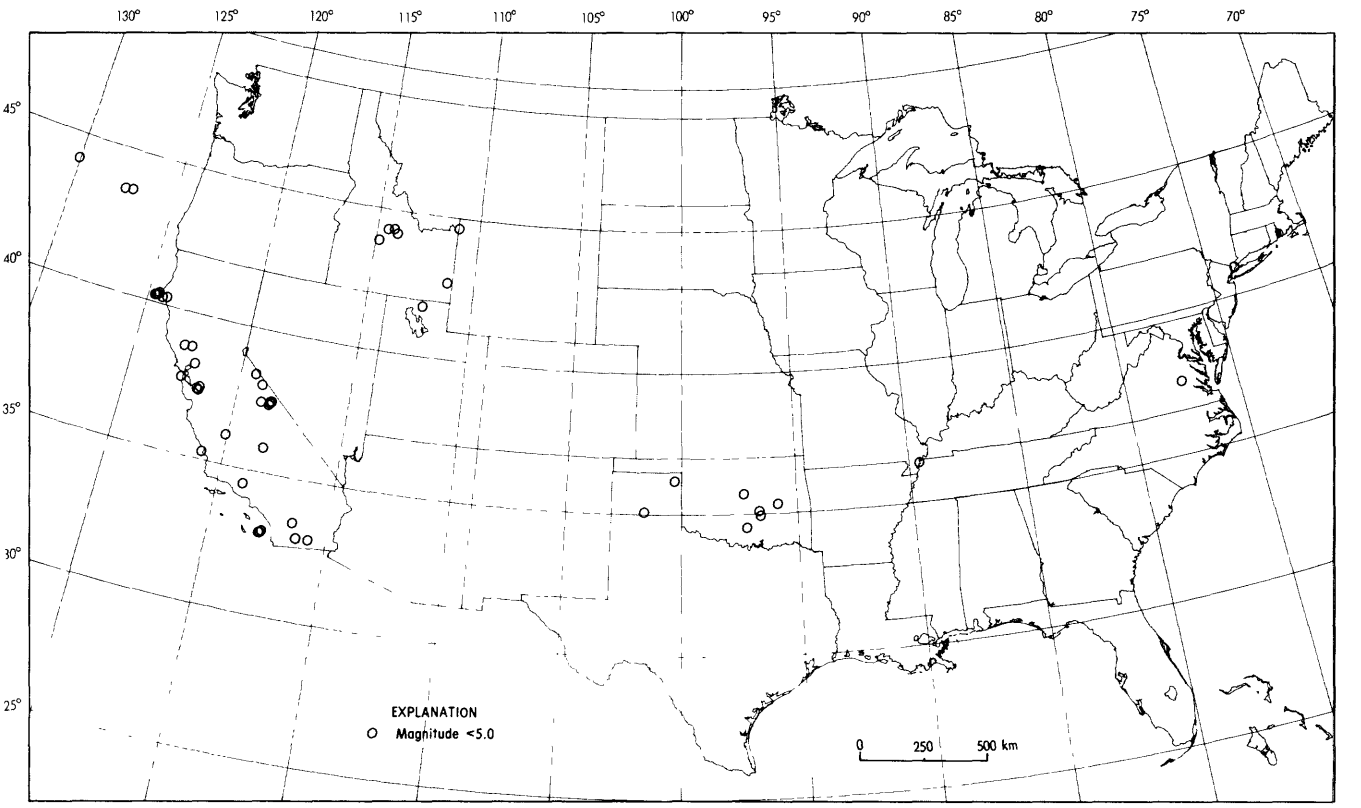


30 December 1986 15:32:13.57
Tonga Islands



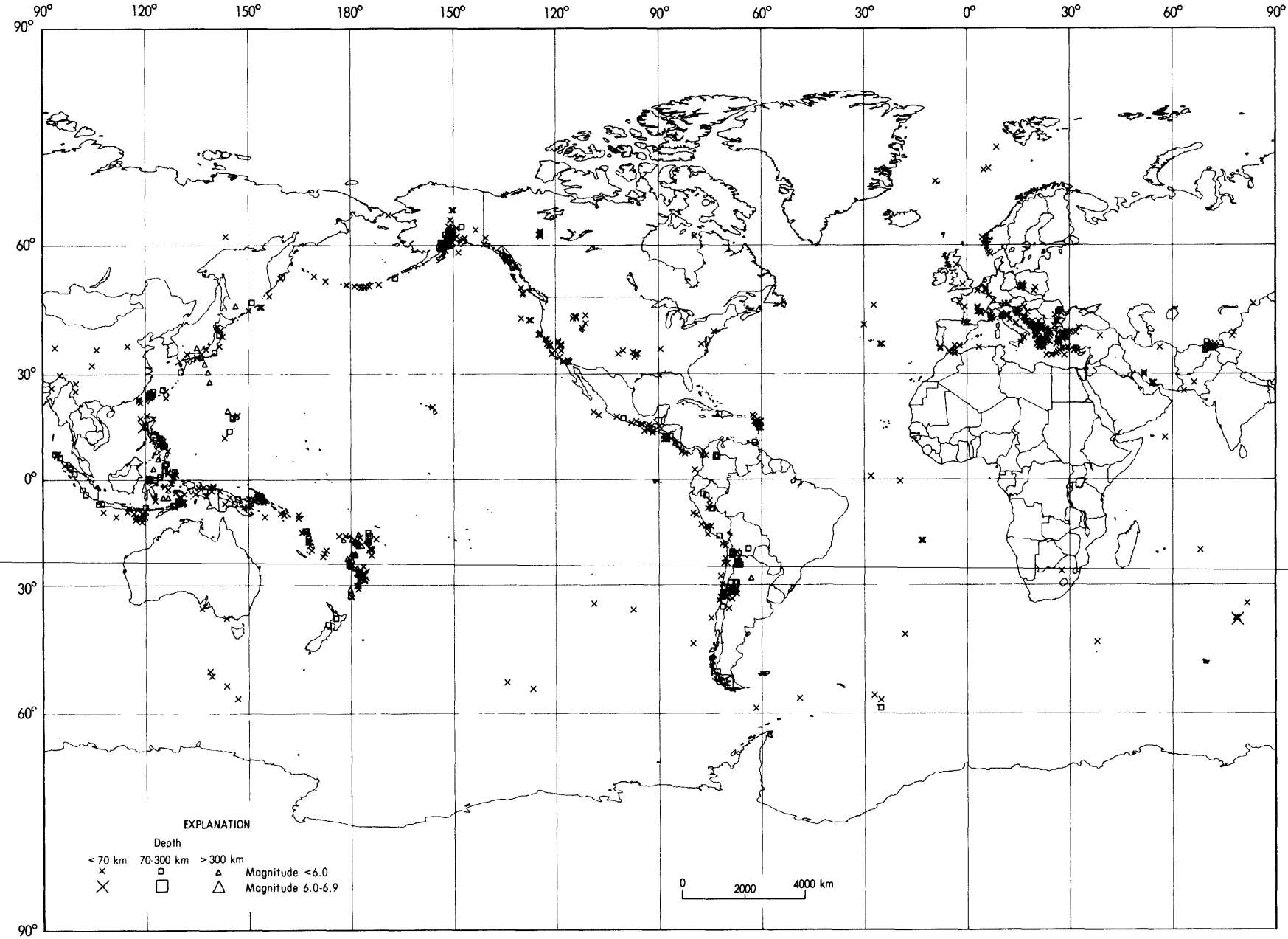


Earthquake epicenters in Alaska and adjacent regions for December, 1986 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for December, 1986 (C. Stover).

GPO 853-816



Earthquake epicenters located in December, 1986 (C. Stover).