UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

JULY - SEPTEMBER 1990

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

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1990

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National Earthquake Information Center

JULY 1990

K E Y	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	03	19.2	45.555	N	26.425	E	142	3.3		0.8	19	ROMANIA
	01	00	11	00.1*	1.619	N	123.275	E	33 N	4.7		1.1	13	MINAHASSA PENINSULA
	01	00	36	41.6&	37.423	N	121.763	W	7	4.1			22	CENTRAL CALIFORNIA. <BRK>. ML 4.2 (BRK). Mo=3.3*10**15 Nm (BRK). Felt (V) at Cupertino and San Jose; (IV) at Campbell, Fremont and Santa Clara; (III) at Coyote, Half Moon Bay, Livermore, Los Gatos, Palo Alto and Redwood Estates.
	01	02	51	23.7*	39.125	N	23.635	E	10 G			0.3	12	AEGEAN SEA. ML 3.0 (THE).
	01	03	44	38.0?	39.18	N	23.56	E	10 G			0.2	4	AEGEAN SEA. ML 2.4 (THE).
	01	03	47	01.2*	15.276	N	147.589	E	33 N	4.3		1.3	12	MARIANA ISLANDS REGION
	01	03	49	51.7*	41.867	N	23.676	E	10 G			0.8	5	GREECE-BULGARIA BORDER REGION
	01	04	05	26.7	7.374	S	128.489	E	147	5.0		1.0	71	BANDA SEA
	01	05	04	27.0?	42.39	N	18.94	E	10 G			0.4	4	YUGOSLAVIA. ML 2.0 (TTG).
	01	05	23	32.8?	6.47	S	149.57	E	73 ?	4.4		0.3	5	NEW BRITAIN REGION
	01	07	17	32.6	38.223	N	20.793	E	10 G			1.2	25	GREECE. ML 3.8 (ATH).
	01	07	42	32.6	11.489	S	162.994	E	65 *	4.8		1.0	51	SOLOMON ISLANDS
	01	08	16	37.0&	40.762	N	127.537	W	5 G	4.1			18	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK).
	01	08	18	29.1?	31.45	S	69.24	W	130 G			0.5	6	SAN JUAN PROVINCE, ARGENTINA
	01	08	56	06.0%	39.643	N	29.390	E	10 G			1.1	5	TURKEY
	01	09	20	43.8	44.171	N	6.335	E	10 G			0.6	25	FRANCE. ML 2.7 (LDG), 2.4 (STR). MD 2.3 (STR).
	01	09	33	13.4?	31.97	S	69.73	W	130 G			0.4	5	SAN JUAN PROVINCE, ARGENTINA
	01	09	58	57.7	3.323	S	102.052	E	111 D	5.3		1.0	109	SOUTHERN SUMATERA
	01	11	14	23.0&	38.787	N	122.742	W	1				11	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
	01	12	24	57.2	37.181	N	49.885	E	10 G	4.8		1.3	52	CASPIAN SEA. Felt in Gilan Province, Iran.
	01	12	35	27.5%	41.159	N	28.494	E	10 G			0.2	6	TURKEY
	01	13	04	27.2*	39.032	N	27.596	E	10 G			1.4	6	TURKEY
	01	13	06	34.7*	35.413	N	102.106	W	5 G			0.7	5	TEXAS PANHANDLE REGION. mbLg 2.7 (TUL).
	01	13	22	49.8*	37.805	N	15.124	E	10 G			1.5	5	SICILY
	01	13	50	11.8%	40.449	N	28.823	E	10 G			0.9	11	TURKEY
	01	13	54	43.9&	63.179	N	150.520	W	118				29	CENTRAL ALASKA. <AGS-P>.
	01	14	16	15.2	37.803	N	15.072	E	10 G			1.2	10	SICILY
	01	15	43	17.8	40.708	N	20.904	E	10 G			1.1	21	GREECE-ALBANIA BORDER REGION. ML 3.2 (THE).
	01	15	49	37.5&	60.049	N	152.072	W	79				22	SOUTHERN ALASKA. <AGS-P>.
	01	17	19	44.1	37.280	N	48.818	E	10 G	4.6	3.5	1.4	73	NORTHWESTERN IRAN
	01	17	22	58.6?	31.44	S	68.74	W	33 N			1.5	5	SAN JUAN PROVINCE, ARGENTINA
	01	21	16	48.3	37.285	N	48.820	E	10 G	4.7	3.6	1.0	66	NORTHWESTERN IRAN
	01	21	39	48.8%	40.674	N	23.473	E	10 G			0.5	5	GREECE. ML 1.5 (THE).
	01	23	01	50.8&	60.021	N	153.274	W	135	3.8			34	SOUTHERN ALASKA. <AGS-P>.
	01	23	24	05.9	37.219	N	3.735	W	10 G			0.4	9	SPAIN. mbLg 2.9 (MDD).
	01	23	45	14.5*	1.349	N	123.051	E	33 N	4.8		1.5	19	MINAHASSA PENINSULA
	02	00	14	29.3?	15.13	S	173.80	W	33 N	4.9		0.8	9	TONGA ISLANDS
	02	00	33	06.6%	0.222	S	79.009	W	10 G			0.4	6	ECUADOR
	02	00	33	34.1	15.191	N	147.475	E	33 N	5.0		0.9	36	MARIANA ISLANDS REGION
	02	00	35	47.9	44.840	N	34.751	E	33 N	4.1		1.2	29	CRIMEA REGION
	02	00	46	20.0%	40.103	N	21.604	E	10 G			1.2	5	GREECE. ML 2.3 (THE).
	02	01	06	03.4	32.119	S	71.658	W	61 *			0.7	21	NEAR COAST OF CENTRAL CHILE. Felt (V) in the Las Vilos area.
	02	01	35	54.1	39.882	N	24.104	E	10 G			0.7	12	AEGEAN SEA. ML 2.7 (THE).
	02	02	14	35.3?	40.20	N	21.71	E	10 G			1.4	4	GREECE. ML 2.0 (THE).
	02	02	42	32.4*	3.324	N	95.273	E	33 N	4.6		0.8	11	OFF W COAST OF NORTHERN SUMATERA
	02	02	44	32.1&	37.688	N	118.947	W	4				9	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.7 (BRK).
	02	03	01	36.8&	63.147	N	150.696	W	118	4.2			55	CENTRAL ALASKA. <AGS-P>.
	02	05	29	41.9*	37.008	N	28.677	E	10 G			1.1	8	TURKEY
	02	06	59	16.7	37.783	N	29.174	E	10 G			0.6	6	TURKEY
	02	07	09	28.5%	39.239	N	22.249	E	10 G			0.4	5	GREECE
	02	07	14	25.4	46.080	N	14.703	E	10 G			1.0	7	YUGOSLAVIA. MD 2.6 (LJU), 2.2 (TRI).
	02	07	29	36.6	15.893	S	73.503	W	91 *	4.7		1.1	17	SOUTHERN PERU. Felt (II) at Arequipa.
	02	07	51	20.2*	15.171	N	94.836	E	33 N	4.3		0.9	9	SOUTH BURMA

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	02	08	15	57.5*	0.596	S	123.541	E	33	N	4.9 3.7	1.1	11	MINAHASSA PENINSULA
	02	08	22	08.3?	31.21	S	69.09	W	33	N		1.0	5	SAN JUAN PROVINCE, ARGENTINA
	02	08	25	51.9*	15.737	N	144.669	E	33	N	4.4	1.3	14	MARIANA ISLANDS REGION
	02	09	55	58.8?	17.68	S	69.77	W	155	*	3.7	0.7	6	PERU-BOLIVIA BORDER REGION
	02	10	03	52.0	1.210	N	123.126	E	34	D	4.9 5.0	1.4	72	MINAHASSA PENINSULA
	02	10	36	15.6?	34.90	S	70.06	W	126	*		0.8	20	CHILE-ARGENTINA BORDER REGION
	02	10	48	55.5*	37.216	N	21.229	E	24	*		1.2	9	SOUTHERN GREECE. MD 3.1 (ATH).
	02	11	15	02.9	37.946	N	29.195	E	10	G		1.2	13	TURKEY
	02	11	16	26.7?	37.59	N	15.12	E	10	G		0.1	4	SICILY
	02	11	17	42.0%	37.917	N	29.346	E	5	G		1.5	9	TURKEY
	02	11	37	45.8&	41.909	N	112.396	W	9				16	UTAH. <SIC-P>. ML 3.2 (SLC).
	02	12	00	17.2	13.765	N	60.901	W	10	G		0.5	10	WINDWARD ISLANDS. ML 3.0 (FDF). Felt on St. Lucio.
	02	12	11	50.1	28.858	N	35.351	E	5	G		1.2	11	WESTERN ARABIAN PENINSULA. MD 3.8 (HLW).
	02	12	19	03.6?	37.57	N	29.24	E	10	G		1.0	5	TURKEY
	02	12	41	53.3*	19.560	N	96.383	E	33	N	4.0	1.0	10	BURMA
	02	12	53	37.2&	58.603	N	153.179	W	58		3.3		25	KODIAK ISLAND REGION. <AGS-P>.
	02	13	43	21.5?	37.21	N	30.72	E	10	G		1.4	6	TURKEY
	02	17	44	56.9*	37.106	N	48.862	E	10	G	4.4	1.1	18	NORTHWESTERN IRAN. Felt at Rudbar.
a	02	18	27	33.7	11.838	S	65.657	E	10	G	5.3 4.9	0.9	152	MID-INDIAN RISE
	02	18	29	55.2*	5.508	N	126.645	E	33	N	4.4	1.3	9	MINDANAO, PHILIPPINE ISLANDS
	02	18	32	04.3&	60.074	N	151.903	W	73				29	KENAI PENINSULA, ALASKA. <AGS-P>.
	02	18	42	34.9	43.905	N	7.751	E	10	G		0.5	19	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG), 2.4 (GEN).
	02	19	42	08.6	37.943	N	29.253	E	10	G		0.3	7	TURKEY
	02	19	47	18.8*	15.326	N	60.820	W	33	N		0.3	7	LEEWARD ISLANDS. ML 2.4 (FDF).
	02	21	39	42.8?	46.12	N	2.77	E	10	G		0.6	4	FRANCE. ML 1.6 (LDG).
	02	21	55	59.5*	25.413	N	124.766	E	136	*	4.3	1.0	12	NORTHEAST OF TAIWAN
	02	22	20	22.2&	38.452	N	122.018	W	2				7	NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK).
	02	22	54	17.6	28.326	S	68.798	W	101		4.8	1.0	54	LA RIOJA PROVINCE, ARGENTINA
	02	22	55	42.7*	33.330	S	70.742	W	89	?		0.4	9	CHILE-ARGENTINA BORDER REGION
	02	23	10	17.6	38.784	N	24.861	E	10	G		1.2	25	AEGEAN SEA. ML 3.1 (THE). MD 3.1 (ATH).
	02	23	45	51.3	37.895	N	29.264	E	5	G		1.5	14	TURKEY
	02	23	47	43.6	37.194	N	72.924	E	33	D	5.1 4.5	1.1	128	TAJIK SSR. Felt (III) at Khorog.
	03	00	13	10.4	38.387	N	21.760	E	5	G	3.9	1.2	47	GREECE. ML 3.6 (THE). MD 3.5 (ATH).
	03	00	17	05.6	42.921	N	18.753	E	10	G		0.8	7	YUGOSLAVIA. ML 2.2 (TTG).
	03	01	06	42.1	37.583	N	20.943	E	10	G	4.8	1.4	116	IONIAN SEA
	03	01	10	53.8?	40.61	N	27.41	E	10	G		0.7	5	TURKEY
	03	01	32	46.6*	36.545	N	72.460	E	33	N	4.2	0.9	8	AFGHANISTAN-USSR BORDER REGION
	03	01	34	55.8%	40.572	N	27.249	E	10	G		0.8	6	TURKEY
	03	02	08	24.3	22.619	S	66.173	W	261	*	4.2	1.2	16	JUJUY PROVINCE, ARGENTINA
	03	02	37	39.8*	3.620	N	126.604	E	86	*	4.8	0.5	9	TALAUD ISLANDS
	03	02	38	32.7	15.678	N	147.970	E	22		5.1 4.3	0.9	86	MARIANA ISLANDS REGION
	03	03	05	20.0?	37.34	N	20.50	E	5	G		1.2	5	IONIAN SEA
	03	03	35	55.8*	37.901	N	29.189	E	10	G		1.1	5	TURKEY
	03	03	38	34.3*	37.777	N	15.102	E	10	G		0.5	5	SICILY
	03	04	44	13.5&	38.848	N	122.812	W	1				15	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	03	05	00	46.3	37.776	N	15.092	E	10	G		0.8	7	SICILY
	03	05	12	02.5*	3.471	N	126.441	E	107	?	4.5	1.0	7	TALAUD ISLANDS
	03	05	13	19.3	37.778	N	15.076	E	10	G		0.3	6	SICILY
	03	05	23	00.0*	37.849	N	15.075	E	10	G		0.3	5	SICILY
	03	05	25	31.7?	31.43	S	69.09	W	130	G		0.8	6	SAN JUAN PROVINCE, ARGENTINA
	03	05	31	37.4	40.617	N	27.283	E	10	G		1.1	16	TURKEY
	03	05	41	24.9	40.589	N	27.298	E	10	G		1.0	17	TURKEY
	03	05	54	32.5	40.599	N	27.269	E	7			1.0	23	TURKEY
	03	06	19	00.3?	45.16	N	14.92	E	10	G		1.2	6	YUGOSLAVIA. MD 2.3 (LJU), 2.1 (TRI).
	03	06	20	49.6*	37.759	N	15.065	E	10	G		0.7	5	SICILY
	03	06	27	15.5?	37.63	N	21.50	E	33	N		1.5	5	SOUTHERN GREECE
	03	06	33	54.1%	36.931	N	29.447	E	10	G		0.4	5	TURKEY
	03	07	18	34.9	37.865	N	29.204	E	10	G		1.3	10	TURKEY
	03	07	22	08.5*	37.769	N	15.083	E	5	G		0.5	5	SICILY
a	03	07	45	20.2	6.138	S	149.813	E	52		5.2 5.1	0.9	81	NEW BRITAIN REGION
	03	07	51	37.2?	44.35	N	7.64	E	10	G		0.1	5	NORTHERN ITALY
	03	07	53	12.2	37.815	N	15.083	E	10	G		1.1	6	SICILY
	03	09	56	04.4*	6.198	S	105.521	E	156	?	4.5	1.1	12	SUNDA STRAIT
	03	10	10	51.1&	60.318	N	152.516	W	103				24	SOUTHERN ALASKA. <AGS-P>.
	03	11	43	11.1&	58.779	N	142.696	W	10	G	4.3		76	GULF OF ALASKA. <AGS-P>. ML 4.4 (PMR).
	03	11	43	31.7*	41.480	N	18.946	E	10	G		1.4	10	ADRIATIC SEA. ML 2.9 (TTG).
	03	12	18	08.7	37.213	N	72.828	E	33	N	4.7 3.7	1.0	32	TAJIK SSR
	03	12	56	24.8?	19.41	S	69.55	W	107	?	3.8	1.4	8	NORTHERN CHILE
	03	13	15	26.1	42.000	N	20.097	E	10	G		0.8	10	YUGOSLAVIA. ML 3.0 (TTG).
	03	13	22	57.9	37.637	N	20.915	E	10	G	4.0	1.2	28	IONIAN SEA. ML 3.9 (THE), 3.6 (ATH).
	03	15	38	18.1	22.259	S	179.729	W	573		5.1	0.8	100	SOUTH OF FIJI ISLANDS
	03	16	07	15.5&	59.811	N	151.837	W	60				35	KENAI PENINSULA, ALASKA. <AGS-P>.
	03	16	16	22.9	37.799	N	15.082	E	10	G		0.8	6	SICILY
	03	16	28	53.6	41.857	N	23.268	E	10	G		1.2	6	GREECE-BULGARIA BORDER REGION
	03	17	44	40.4	37.800	N	15.088	E	10	G		1.1	7	SICILY
	03	17	58	10.7*	15.589	N	148.201	E	96	?	4.7	0.8	17	MARIANA ISLANDS REGION
	03	18	08	03.0	37.966	N	29.233	E	10	G		0.9	6	TURKEY
	03	18	09	24.7*	8.243	S	117.719	E	33	N	4.4	1.1	14	SUMBAWA ISLAND REGION
	03	18	22	10.1	37.233	N	71.689	E	33	N	4.7	1.3	42	AFGHANISTAN-USSR BORDER REGION
a	03	18	32	14.1	35.926	N	140.049	E	79		5.1	1.0	139	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV) at Yokosuka.
	03	19	24	29.3*	37.922	N	29.219	E	10	G		1.1	5	TURKEY
	03	21	02	33.5	40.241	N	19.438	E	10	G		1.2	19	ALBANIA. ML 2.5 (TTG).
	03	21	06	43.0*	37.619	N	21.238	E	10	G		1.4	9	SOUTHERN GREECE. MD 3.3 (ATH).
	03	21	38	33.4	37.793	N	15.089	E	10	G		1.3	7	SICILY
	03	22	21	25.3*	37.834	N	15.060	E	33	N		1.2	6	SICILY
	03	22	37	26.9?	21.06	N	122.47	E	10	G		0.7	6	TAIWAN REGION
	03	22	53	25.8?	31.32	S	69.25	W	33	N		1.2	7	SAN JUAN PROVINCE, ARGENTINA
	03	23	01	54.3	22.985	S	66.760	W	208		4.5	1.1	28	JUJUY PROVINCE, ARGENTINA
	03	23	48	47.1*	37.642	N	20.961	E	5	G		1.4	14	IONIAN SEA. MD 3.4 (ATH).
	04	00	17	24.6?	31.55	S	69.25	W	107	?		0.2	7	SAN JUAN PROVINCE, ARGENTINA
	04	02	01	48.9*	44.751	S	15.605	W	10	G	4.8 4.4	1.1	22	SOUTH ATLANTIC RIDGE
a	04	02	24	41.9	25.372	N	124.473	E	133		5.6	1.0	344	NORTHEAST OF TAIWAN

	04	04	54	51.6	35.984	N	140.323	E	80 *	4.5	1.0	18	NEAR EAST COAST OF HONSHU, JAPAN
	04	05	12	32.4*	23.623	S	179.986	E	518 ?	4.7	1.1	31	SOUTH OF FIJI ISLANDS
	04	05	46	12.1	43.682	N	12.280	E	10 G		0.7	8	CENTRAL ITALY
	04	06	03	45.6*	31.296	S	68.682	W	85 ?		0.2	7	SAN JUAN PROVINCE, ARGENTINA
	04	06	05	10.3	8.143	N	71.905	W	57 *	4.5	1.0	19	VENEZUELA. Felt throughout Tochiro.
	04	06	21	16.2*	10.968	S	110.010	E	33 N	5.2	1.4	11	SOUTH OF JAVA
	04	06	40	57.7	43.662	N	12.255	E	10 G		1.3	19	CENTRAL ITALY. MD 3.1 (TRI).
	04	06	42	48.1%	33.933	S	71.193	W	33 N		0.3	9	NEAR COAST OF CENTRAL CHILE
	04	06	43	15.2%	43.598	N	12.294	E	10 G		1.1	5	CENTRAL ITALY
	04	06	50	55.9%	43.657	N	12.269	E	10 G		0.6	5	CENTRAL ITALY
	04	07	01	34.2?	43.69	N	12.23	E	10 G		0.1	4	CENTRAL ITALY
	04	07	15	54.8%	43.691	N	12.293	E	10 G		1.0	5	CENTRAL ITALY
	04	07	16	13.2%	43.743	N	12.241	E	10 G		1.3	5	CENTRAL ITALY
	04	07	31	35.0	2.898	S	127.122	E	69 *	5.1	1.1	39	CERAM SEA
	04	08	04	24.2	37.693	N	20.966	E	5 G		0.6	13	IONIAN SEA. ML 3.6 (ATH), 3.4 (THE).
	04	10	06	21.0	45.032	N	9.232	E	5 G		1.0	18	NORTHERN ITALY
	04	10	18	20.2?	39.33	N	28.30	E	10 G		0.6	5	TURKEY
	04	10	41	40.6*	31.678	S	68.190	W	10 G		0.9	7	SAN JUAN PROVINCE, ARGENTINA
	04	10	49	36.0?	40.99	N	24.12	E	10 G		0.6	4	AEGEAN SEA
	04	10	58	28.5?	44.67	N	7.16	E	10 G		0.3	4	NORTHERN ITALY. ML 1.6 (GEN).
	04	11	50	02.5&	48.849	N	122.170	W	2	3.4		64	WASHINGTON. <SEA>. CL 3.2 (SEA). Felt in the Deming area.
	04	12	27	40.9&	62.801	N	150.921	W	98			34	CENTRAL ALASKA. <AGS-P>.
	04	12	59	52.1	43.699	N	12.295	E	10 G		1.0	11	CENTRAL ITALY
	04	13	21	54.2*	1.910	N	75.613	W	33 N	3.7	1.3	8	COLOMBIA
	04	13	27	20.7?	18.62	N	102.97	W	33 N	3.5	1.3	7	MICHOACAN, MEXICO. MD 4.3 (UNM). Felt along the coast of Guerrero and Michoacan.
	04	13	43	26.5%	30.339	S	69.239	W	33 N		0.5	6	CHILE-ARGENTINA BORDER REGION
	04	13	58	20.6	37.951	N	29.172	E	10 G		1.3	6	TURKEY
	04	14	03	09.9	37.940	N	29.190	E	10 G		0.9	6	TURKEY
	04	14	59	26.9%	37.953	N	29.192	E	10 G		1.2	6	TURKEY
	04	15	06	51.4?	37.90	N	29.20	E	10 G		1.2	4	TURKEY
	04	15	37	28.0*	31.481	S	68.650	W	33 N		1.4	6	SAN JUAN PROVINCE, ARGENTINA
	04	15	52	58.5	30.704	S	69.046	W	124	4.7	1.0	24	CHILE-ARGENTINA BORDER REGION
	04	17	53	32.2?	31.85	S	67.83	W	10 G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
	04	17	59	58.6	21.850	S	139.042	W	0 G	5.1	0.9	69	TUAMOTU ARCHIPELAGO REGION
	04	18	48	41.5	37.827	N	15.093	E	10 G		0.9	10	SICILY
	04	19	00	50.1?	40.64	N	27.52	E	15 ?		0.6	5	TURKEY
	04	19	57	37.9	39.543	N	23.548	E	10 G		1.0	21	AEGEAN SEA. ML 3.5 (THE), 3.4 (ATH).
	04	20	30	46.7?	14.55	S	72.04	W	10 G	4.8	0.3	5	PERU
	04	21	17	33.7*	41.142	N	110.172	E	10 G		0.8	5	NORTHERN CHINA. ML 3.4 (BJI).
	04	21	20	04.4?	46.92	N	1.78	E	10 G		0.5	5	FRANCE. ML 1.9 (LDG).
	04	21	35	25.6	39.559	N	23.624	E	20		1.1	29	AEGEAN SEA. ML 3.6 (THE), 3.4 (ATH).
	04	21	41	56.6	39.650	N	23.424	E	5 G		1.2	10	AEGEAN SEA. ML 3.1 (ATH), 2.7 (THE).
	04	21	48	42.6*	15.657	N	147.848	E	113 ?	4.9	1.0	21	MARIANA ISLANDS REGION
	04	21	50	35.3&	59.632	N	153.475	W	118			25	SOUTHERN ALASKA. <AGS-P>.
	04	22	02	16.5	39.535	N	23.538	E	10 G		1.2	23	AEGEAN SEA. ML 3.5 (THE), 3.3 (ATH).
	04	22	09	43.3	39.603	N	23.500	E	10 G		1.3	9	AEGEAN SEA. ML 3.2 (ATH), 2.6 (THE).
	04	22	32	28.6?	31.56	S	68.58	W	33 N		1.3	6	SAN JUAN PROVINCE, ARGENTINA
	04	23	14	51.9%	42.133	N	19.240	E	10 G		0.5	5	YUGOSLAVIA. ML 2.2 (TTG).
	04	23	45	32.3*	51.056	N	15.825	E	10 G		1.0	5	POLAND. ML 3.4 (GRF).
	04	23	47	38.4?	44.35	N	10.20	E	10 G		0.5	6	NORTHERN ITALY
	05	00	47	36.5	37.904	N	29.208	E	5 G		0.7	15	TURKEY
	05	01	04	16.4*	37.467	N	69.349	E	33 N	4.3 4.4	0.4	5	AFGHANISTAN-USSR BORDER REGION. Felt (V) at Moskovskiy; (III) at Kulyab, Khorog and Dushanbe, USSR.
	05	01	05	50.0	39.854	N	25.745	E	10 G		1.1	16	AEGEAN SEA. ML 3.0 (THE).
o	05	01	09	26.6	37.591	N	69.241	E	31 D	4.8 4.6	1.5	47	AFGHANISTAN-USSR BORDER REGION. Felt (VI) at Moskovskiy, Guliston and Navabad; (V) at Porkhar and Besh-Tegerman; (IV) at Kulyab, Sovetskiy, Shuroabad and Dangora; (III) at Nurek, Dushanbe and Kurgan-Tyube, USSR.
	05	01	26	10.5*	37.676	N	69.569	E	33 N	4.1	1.5	8	AFGHANISTAN-USSR BORDER REGION
	05	01	33	05.1&	60.061	N	151.821	W	75			23	KENAI PENINSULA, ALASKA. <AGS-P>.
	05	01	36	15.3?	37.74	N	71.39	E	33 N	4.3	1.2	9	AFGHANISTAN-USSR BORDER REGION
	05	02	04	02.4	37.871	N	72.663	E	71 *	4.6	1.0	34	TAJIK SSR
	05	02	43	40.1	37.788	N	15.106	E	10 G		0.6	6	SICILY
	05	03	06	29.9&	48.834	N	122.176	W	1			35	WASHINGTON. <SEA>. CL 2.5 (SEA). Felt in the Deming area.
	05	03	50	42.3	15.003	N	147.717	E	33 N	4.4	0.5	16	MARIANA ISLANDS REGION
	05	03	57	50.4	36.738	N	31.202	E	85	4.2	1.2	49	TURKEY
	05	04	01	18.2?	31.31	S	69.42	W	130 G		0.0	5	SAN JUAN PROVINCE, ARGENTINA
	05	04	05	30.9&	61.896	N	149.256	W	45			42	SOUTHERN ALASKA. <AGS-P>. ML 3.3 (PMR).
	05	04	24	03.9?	15.89	S	71.76	W	173 ?	4.5	0.7	6	SOUTHERN PERU
	05	08	16	32.3	37.882	N	29.733	E	10 G		1.1	6	TURKEY
	05	08	41	28.0%	40.658	N	29.143	E	10 G		0.5	5	TURKEY
	05	09	54	37.7	42.128	N	19.200	E	10 G		1.0	9	YUGOSLAVIA. ML 2.6 (TTG).
	05	10	00	05.6	37.786	N	15.333	E	10 G		1.1	6	SICILY
	05	11	30	23.1?	41.66	N	12.76	E	10 G		0.4	5	SOUTHERN ITALY
	05	11	35	06.4	17.690	S	178.280	W	494	4.6	0.7	42	FIJI ISLANDS REGION
	05	12	29	20.6*	15.576	N	147.900	E	33 N	4.5	1.0	18	MARIANA ISLANDS REGION
	05	12	45	01.0	37.848	N	15.078	E	10 G		1.4	7	SICILY
	05	13	07	53.4*	9.759	N	124.859	E	33 N	5.1 4.2	1.4	12	MINDANAO, PHILIPPINE ISLANDS
	05	13	18	31.4	41.764	N	126.658	W	10 G		0.4	43	OFF COAST OF NORTHERN CALIFORNIA
	05	13	21	12.7*	37.142	N	28.483	E	10 G		0.8	5	TURKEY
	05	14	20	51.2*	22.676	N	93.952	E	33 N	4.1	0.2	9	BURMA-INDIA BORDER REGION
	05	15	33	06.1&	40.512	N	125.807	W	6			6	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	05	15	36	20.0*	47.989	N	5.845	E	10 G		0.4	6	FRANCE. MD 1.6 (STR).
	05	16	57	26.6?	44.18	N	7.42	E	10 G		0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
	05	17	09	38.8&	60.329	N	152.508	W	101			23	SOUTHERN ALASKA. <AGS-P>.
	05	17	14	45.2	15.624	N	148.030	E	33 N	4.8 4.4	0.9	38	MARIANA ISLANDS REGION
	05	17	37	44.2?	19.76	S	69.32	W	130 *	4.0	1.5	9	NORTHERN CHILE
	05	17	43	04.9	37.884	N	29.207	E	10 G		1.5	15	TURKEY
	05	18	00	21.4?	0.13	S	91.11	W	10 G	4.2	1.2	12	GALAPAGOS ISLANDS

	05	19	14	54.7	37.878	N	29.231	E	5	G		1.2	10	TURKEY
	05	19	35	45.4*	37.921	N	29.255	E	10	G		0.2	5	TURKEY
	05	20	22	50.6%	45.892	N	5.390	E	10	G		1.2	7	FRANCE. ML 2.2 (LDG).
	05	20	23	49.5%	47.004	N	1.412	E	10	G		1.1	11	FRANCE. ML 2.5 (LDG).
	05	20	54	05.5	47.268	N	11.097	E	10	G		1.3	24	AUSTRIA. ML 2.8 (GRF), 2.5 (KBA).
	05	20	59	53.1*	37.598	N	21.591	E	33	N		1.1	7	SOUTHERN GREECE. ML 3.3 (ATH).
	05	21	17	53.1?	16.04	S	173.59	W	33	N	4.7	0.8	9	TONGA ISLANDS
	05	21	30	42.8%	45.049	N	3.434	E	10	G		1.2	6	FRANCE. ML 2.1 (LDG).
a	05	22	41	20.5	0.091	S	124.178	E	72	D	5.3	1.2	105	MOLUCCA SEA
	06	00	01	44.3	31.841	S	71.810	W	24			0.6	19	NEAR COAST OF CENTRAL CHILE
a	06	00	16	20.4	6.904	S	108.120	E	14	G	5.8 4.8	1.4	131	JAVA. At least 103 people injured and about 10,300 houses, mosques and public buildings damaged or destroyed in the Kuningan-Majalenga-Sumedang area. Depth from broadband displacement seismograms.
	06	00	29	05.9	36.695	N	6.116	W	10	G		1.4	8	STRAIT OF GIBRALTAR
	06	01	55	33.5	35.416	N	29.499	E	33	N		1.1	17	EASTERN MEDITERRANEAN SEA
	06	02	06	57.2?	52.30	N	106.05	E	33	N	3.7	0.7	5	LAKE BAIKAL REGION
	06	02	12	48.6	8.792	N	126.424	E	73	*	4.9	1.1	42	MINDANAO, PHILIPPINE ISLANDS
	06	02	30	37.7	39.609	N	23.508	E	10	G		0.9	12	AEGEAN SEA. ML 3.2 (ATH), 2.9 (THE).
	06	02	35	55.4	39.597	N	23.585	E	19		3.5	1.3	35	AEGEAN SEA. ML 3.7 (ATH), 3.6 (THE).
	06	02	53	08.9	39.223	N	21.629	E	10	G	3.8	1.5	33	GREECE. ML 3.6 (THE).
	06	03	11	36.6*	25.151	S	179.675	E	520	?	4.4	0.9	22	SOUTH OF FIJI ISLANDS
	06	03	40	27.0	37.930	N	29.245	E	10	G		1.2	9	TURKEY
	06	03	42	29.8*	37.884	N	29.196	E	5	G		1.0	8	TURKEY
	06	03	44	01.5*	37.874	N	29.192	E	10	G		1.5	5	TURKEY
	06	04	14	40.4&	57.198	N	153.547	W	0		3.6		34	KODIAK ISLAND REGION. <AGS-P>.
a	06	05	02	27.9	45.371	N	150.170	E	42	D	5.7 5.2	0.8	349	KURIL ISLANDS. Ms 5.4 (BRK). Felt (III) at Kurilsk.
	06	05	02	44.3?	38.03	S	73.28	W	33	N		0.6	10	NEAR COAST OF CENTRAL CHILE
	06	08	33	58.8	7.353	S	128.002	E	128	?	4.7	1.1	20	BANDA SEA
	06	08	39	54.1&	59.667	N	153.032	W	115				22	SOUTHERN ALASKA. <AGS-P>.
	06	09	08	22.5	37.619	N	20.925	E	16		3.8	1.2	33	IONIAN SEA. ML 4.0 (ATH), 3.9 (THE).
	06	11	02	10.3%	40.033	N	28.172	E	10	G		0.3	6	TURKEY
	06	11	19	43.7	2.897	N	128.660	E	232	*	5.1	1.1	83	HALMAHERA
	06	11	26	03.0?	30.76	S	68.04	W	33	N		0.6	7	SAN JUAN PROVINCE, ARGENTINA
a	06	11	42	38.1	3.599	S	150.996	E	438		5.3	0.8	277	NEW IRELAND REGION
	06	12	14	05.7	24.566	N	142.160	E	33	N	4.7	1.2	33	VOLCANO ISLANDS REGION
	06	12	24	33.1?	33.59	S	70.28	W	120	?		0.2	10	CHILE-ARGENTINA BORDER REGION
	06	13	18	11.0*	16.310	N	61.267	W	33	N		0.6	5	LEEWARD ISLANDS. ML 2.0 (FDF).
a	06	13	39	32.1	1.056	N	121.500	E	30	D	5.4 5.0	1.1	150	MINAHASSA PENINSULA. Ms 5.3 (BRK).
	06	13	47	16.9*	20.294	S	178.360	W	577	*	4.4	1.0	19	FIJI ISLANDS REGION
	06	14	30	13.8%	44.137	N	6.424	E	10	G		0.8	5	FRANCE. ML 2.2 (LDG).
	06	15	47	47.3	37.935	N	29.181	E	5	G		1.5	8	TURKEY
	06	15	52	10.7&	60.383	N	150.203	W	41				40	KENAI PENINSULA, ALASKA. <AGS-P>.
	06	16	00	29.3	37.867	N	29.222	E	10	G		1.2	6	TURKEY
	06	17	22	50.3*	43.240	N	89.681	E	10	G	4.2	1.4	15	NORTHERN XINJIANG, CHINA
	06	18	15	16.9	44.117	N	129.078	W	10	G	3.9	0.4	49	OFF COAST OF OREGON
	06	18	18	42.1	29.915	S	71.889	W	10	G		1.1	20	NEAR COAST OF CENTRAL CHILE
	06	18	51	41.2*	22.440	S	68.920	W	127	*	4.3	1.3	11	NORTHERN CHILE. Felt (III) in the Calama area.
	06	19	00	21.8	46.627	N	1.124	E	11			0.8	24	FRANCE. ML 3.3 (LDG).
a	06	19	34	52.4	36.861	N	49.303	E	35	D	5.3 4.4	0.9	278	WESTERN IRAN. Two people injured and two roads blocked by landslides in the Rudbar area. Also felt at Rasht and Tehran.
	06	19	35	23.8?	6.36	S	146.34	E	109	?	4.5	0.9	8	EAST PAPUA NEW GUINEA REGION
	06	20	45	43.2*	36.282	N	141.350	E	33	N	4.2	1.1	16	NEAR EAST COAST OF HONSHU, JAPAN
	06	21	06	43.6?	43.60	N	5.64	E	10	G		0.4	7	NEAR SOUTH COAST OF FRANCE. MD 2.8 (STR).
	06	21	20	08.9?	73.22	N	4.94	E	10	G		0.5	7	GREENLAND SEA
	06	22	17	47.9*	37.913	N	29.200	E	10	G		1.0	5	TURKEY
	06	23	08	14.5*	31.384	S	67.958	W	10	G		1.4	13	SAN JUAN PROVINCE, ARGENTINA
	06	23	27	05.6*	14.870	S	167.233	E	33	N	4.8	0.9	20	VANUATU ISLANDS
	07	01	03	21.7*	12.189	N	120.873	E	53	*	4.2	1.2	6	MINDORO, PHILIPPINE ISLANDS
	07	01	04	07.4	44.183	N	6.318	E	10	G		0.8	25	FRANCE. ML 2.6 (LDG), 2.5 (GEN).
	07	01	31	22.5*	45.210	N	3.246	E	10	G		0.9	10	FRANCE. ML 2.2 (LDG). MD 1.6 (STR).
	07	01	38	19.5?	29.05	N	31.84	E	10	G		1.1	6	ARAB REPUBLIC OF EGYPT. MD 3.8 (HLW).
	07	01	53	29.2	37.890	N	29.190	E	10	G		1.1	9	TURKEY
	07	02	05	16.1*	37.910	N	29.172	E	10	G		1.3	5	TURKEY
	07	02	27	50.2&	59.898	N	152.809	W	101		3.2		32	SOUTHERN ALASKA. <AGS-P>.
	07	02	38	38.8	39.495	N	28.968	E	10	G		1.0	15	TURKEY
	07	03	01	16.7	32.893	S	70.927	W	57	*		0.5	13	CHILE-ARGENTINA BORDER REGION
	07	03	57	01.8*	30.194	N	130.317	E	100	*	4.6	1.3	24	KYUSHU, JAPAN
	07	04	51	50.6	2.280	N	97.135	E	53	*	4.4	1.1	34	NORTHERN SUMATERA
	07	04	55	13.0?	10.71	N	60.81	W	33	N	3.4	0.4	5	TRINIDAD. MD 3.3 (TRN).
	07	05	17	22.9?	17.13	N	61.93	W	85	?		0.4	6	LEEWARD ISLANDS
	07	05	49	41.5*	33.203	S	72.390	W	10	G		1.3	19	OFF COAST OF CENTRAL CHILE
	07	05	58	39.0*	31.687	N	54.464	E	33	N	4.2	1.0	6	IRAN. Felt at Yazd.
	07	06	11	10.9?	13.20	N	90.63	W	33	N	4.2	1.0	10	NEAR COAST OF GUATEMALA
	07	07	19	31.1*	33.180	S	72.272	W	28		4.4	1.3	24	OFF COAST OF CENTRAL CHILE. Felt (V) at Valparaiso. Also felt at Vina del Mar.
	07	07	25	36.1?	34.24	S	72.33	W	31			1.1	18	NEAR COAST OF CENTRAL CHILE
	07	08	06	01.9	33.122	S	72.203	W	10	G		0.7	16	OFF COAST OF CENTRAL CHILE
	07	08	15	23.8?	47.99	N	7.50	E	10	G		0.1	4	SWITZERLAND. ML 2.5 (LDG).
	07	10	01	28.8*	1.087	N	121.396	E	33	N	4.7	1.3	12	MINAHASSA PENINSULA
	07	10	08	49.4%	37.700	N	29.155	E	10	G		1.3	7	TURKEY
	07	10	23	16.7*	33.172	S	72.252	W	6			1.4	18	OFF COAST OF CENTRAL CHILE
	07	10	33	40.2*	33.174	S	72.316	W	9		4.8	1.0	18	OFF COAST OF CENTRAL CHILE
	07	11	08	20.0*	34.255	S	72.286	W	26		4.4	1.2	29	NEAR COAST OF CENTRAL CHILE
	07	11	22	43.8?	8.96	S	123.20	E	159	?	4.6	1.0	10	FLORES ISLAND REGION
	07	11	51	32.5*	29.190	N	56.592	E	33	N	4.1	1.4	14	SOUTHERN IRAN
	07	12	16	07.0*	33.070	S	72.240	W	22			1 0	13	OFF COAST OF CENTRAL CHILE
	07	12	27	48.3*	38.862	N	30.127	E	10	G		1.5	10	TURKEY
	07	13	01	33.1*	33.241	S	71.803	W	9			0.5	10	NEAR COAST OF CENTRAL CHILE
	07	13	09	04.9*	39.255	N	23.520	E	10	G		0.5	5	AEGEAN SEA. ML 3.0 (ATH).
	07	13	22	01.0?	34.01	S	71.99	W	5	G		0.4	8	NEAR COAST OF CENTRAL CHILE
	07	14	30	15.7*	7.211	S	129.892	E	117	?	4.8	1.4	11	BANDA SEA

	07	14	47	23 1?	36.26	N	71.05	E	150	G	3.8		1 1	10	AFGHANISTAN-USSR BORDER REGION
	07	15	00	21.6	5.683	S	148.752	E	154		5.1		0.8	77	NEW BRITAIN REGION
a	07	15	37	24.4	12.217	N	120.662	E	27	D	5.5	5.5	1.1	201	MINDORO, PHILIPPINE ISLANDS
a	07	16	27	51.4	5.981	S	154.318	E	66	*	5.4		1.0	109	SOLOMON ISLANDS
	07	16	50	11.0	12.272	N	120.571	E	33	N	4.5		1.0	13	MINDORO, PHILIPPINE ISLANDS
	07	17	08	46.8*	29.865	S	71.935	W	41	*	5.1		1.3	25	NEAR COAST OF CENTRAL CHILE. Felt (III) at Coquimbo.
	07	17	34	40.8*	48.104	N	154.502	E	33	N	4.5		0.5	17	KURIL ISLANDS
	07	18	17	38.3	44.156	N	6.329	E	10	G			0.6	16	FRANCE. ML 2.6 (LDG).
	07	18	27	32.6*	32.813	S	71.367	W	85	*			1.1	18	NEAR COAST OF CENTRAL CHILE
	07	18	42	07.8*	5.185	N	31.455	E	10	G	4.1		1.4	5	SUDAN
	07	19	20	07.8?	19.27	N	64.63	W	33	N			0.5	7	VIRGIN ISLANDS
	07	20	03	47.2?	31.63	S	68.10	W	5	G			1.3	5	SAN JUAN PROVINCE, ARGENTINA
	07	20	26	43.9&	62.489	N	151.337	W	86					16	CENTRAL ALASKA. <AGS-P>.
a	07	20	35	57.2	15.516	S	168.091	E	33	N	5.2	4.9	1.0	127	VANUATU ISLANDS
	07	20	50	00.6*	33.229	S	71.956	W	10	G			1.0	11	NEAR COAST OF CENTRAL CHILE
	07	20	51	46.7&	60.316	N	148.212	W	25					22	KENAI PENINSULA, ALASKA. <AGS-P>.
	07	21	56	26.9	58.292	N	155.943	W	169		4.0		0.9	36	ALASKA PENINSULA
	07	22	38	01.2	46.039	N	15.205	E	10	G			0.9	10	YUGOSLAVIA. MD 2.6 (LJU), 2.1 (TRI). Felt (IV) at Rimske Toplice.
	07	23	29	49.8?	18.00	N	67.83	W	31	*			0.5	7	MONA PASSAGE
	07	23	30	14.8	40.841	N	3.746	W	8				1.0	19	SPAIN. mbLg 3.3 (MDD). Felt (IV) at El Molar and San Agustin Guadalix.
	07	23	52	35.3%	40.261	N	29.171	E	10	G			0.9	5	TURKEY
	08	01	43	41.6?	37.91	N	29.18	E	10	G			1.5	4	TURKEY
	08	01	49	36.3%	40.841	N	14.537	E	10	G			0.8	8	SOUTHERN ITALY
	08	02	29	23.7	5.306	N	31.869	E	10	G	4.4		0.8	19	SUDAN
	08	03	25	55.3*	3.633	N	124.833	E	218	*	4.8		1.1	12	CELEBES SEA
	08	03	54	47.5*	12.186	N	120.553	E	33	N	4.2		1.4	9	MINDORO, PHILIPPINE ISLANDS
	08	03	57	11.4&	58.069	N	151.700	W	26		3.0			21	KODIAK ISLAND REGION. <AGS-P>.
	08	04	20	19.3%	40.713	N	27.438	E	10	G			0.6	5	TURKEY
	08	05	11	11.7*	36.685	N	50.041	E	10	G	4.3		1.0	5	IRAN
	08	05	59	53.1%	40.126	N	29.324	E	10	G			0.9	11	TURKEY
	08	06	27	44.7	37.908	N	29.243	E	10	G			1.2	16	TURKEY
	08	06	55	30.3	0.096	S	122.997	E	140		4.7		1.1	46	MINAHASSA PENINSULA
	08	07	48	33.9	28.502	N	138.439	E	551	*	4.6		0.9	40	BONIN ISLANDS REGION
	08	08	44	10.0	37.846	N	15.086	E	14				1.3	9	SICILY
	08	09	24	04.5&	60.091	N	153.416	W	151		3.1			19	SOUTHERN ALASKA. <AGS-P>.
	08	09	24	23.4*	39.193	N	29.176	E	10	G			0.8	8	TURKEY
	08	09	31	02.6	15.689	N	147.038	E	38	*	4.5	4.5	0.9	36	MARIANA ISLANDS REGION
	08	09	50	19.3?	20.68	S	179.06	W	361	?	4.4		1.2	35	FIJI ISLANDS REGION
	08	09	55	54.3	37.772	N	15.034	E	10	G			0.7	6	SICILY
	08	10	07	48.3	37.868	N	15.017	E	10	G			0.8	7	SICILY
	08	10	17	35.5*	15.039	N	147.549	E	33	N	4.1		0.3	7	MARIANA ISLANDS REGION
	08	11	25	15.5	37.750	N	15.063	E	10	G			0.6	6	SICILY
	08	11	49	54.4&	59.862	N	153.404	W	128		3.7			35	SOUTHERN ALASKA. <AGS-P>.
	08	13	13	58.6?	32.78	S	71.47	W	33	N			1.2	5	NEAR COAST OF CENTRAL CHILE
	08	13	33	59.9*	37.799	N	15.048	E	10	G			0.9	5	SICILY
	08	13	39	48.1&	65.009	N	150.305	W	12					6	ALASKA. <AGS-P>.
	08	15	12	32.4*	35.624	N	99.880	E	33	N	4.5		0.9	9	QINGHAI PROVINCE, CHINA
	08	15	54	14.4	37.772	N	15.083	E	10	G			1.0	6	SICILY
	08	16	07	40.2?	15.08	N	60.75	W	33	N			0.1	5	LEEWARD ISLANDS. ML 2.6 (FDF).
	08	16	08	59.2&	40.470	N	124.583	W	22					6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.9 (BRK).
	08	16	27	07.9&	59.672	N	153.055	W	110					28	SOUTHERN ALASKA. <AGS-P>.
a	08	16	30	02.1	17.827	S	178.903	W	560		5.3		1.0	174	FIJI ISLANDS REGION. mb 5.1 (BRK).
	08	16	44	57.7?	42.32	N	127.76	W	10	G			0.4	42	OFF COAST OF OREGON
	08	17	29	08.5	4.521	S	12.294	W	10	G	4.9	5.1	0.8	69	NORTH OF ASCENSION ISLAND
	08	17	59	53.4*	51.162	N	15.843	E	10	G			1.1	9	POLAND. ML 3.7 (KBA).
	08	19	45	40.7*	18.394	N	68.760	W	126	*	4.8		0.8	17	MONA PASSAGE
	08	20	01	15.5	37.754	N	15.041	E	10	G			0.6	6	SICILY
	08	20	51	46.9?	33.77	S	68.16	W	28				0.5	11	MENDOZA PROVINCE, ARGENTINA
	08	21	13	07.4	41.084	N	142.159	E	64	D	4.9		0.9	114	HOKKAIDO, JAPAN REGION. Felt (V) at Misawa, Honshu.
	08	21	38	10.0?	32.27	S	69.16	W	122	?			0.5	8	MENDOZA PROVINCE, ARGENTINA
	08	21	55	28.5	4.952	N	126.320	E	90	*	4.7		1.3	30	TALAUD ISLANDS
	08	21	59	31.7	44.146	N	12.479	E	10	G			1.0	12	NORTHERN ITALY. MD 2.7 (TRI).
	08	22	06	41.1	37.789	N	15.094	E	10	G			0.4	7	SICILY
	08	22	18	53.4	44.319	N	7.527	E	10	G			0.5	10	NORTHERN ITALY. ML 2.0 (LDG), 1.8 (GEN).
	08	22	26	35.8*	25.033	S	179.795	E	545	?	4.6		1.3	23	SOUTH OF FIJI ISLANDS
	08	22	37	29.4?	43.81	N	7.09	E	10	G			0.0	4	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
	08	22	54	11.6	37.816	N	15.099	E	14				1.0	10	SICILY
	08	23	20	34.5?	37.78	N	15.07	E	10	G			0.1	5	SICILY
	08	23	21	17.8*	21.632	N	142.983	E	335	*	4.3		0.8	13	MARIANA ISLANDS REGION
	08	23	27	19.4	1.132	N	121.468	E	39	*	5.2		1.2	23	MINAHASSA PENINSULA
	09	01	48	23.4%	45.891	N	15.080	E	10	G			0.1	5	YUGOSLAVIA. MD 2.3 (LJU).
	09	01	49	12.7	43.858	N	11.182	E	10	G			0.6	7	CENTRAL ITALY
	09	02	54	31.9?	31.85	S	69.88	W	130	G			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	09	03	20	22.3	44.814	N	6.737	E	10	G			0.6	15	FRANCE. ML 2.3 (LDG), 2.0 (GEN).
	09	03	28	49.4*	37.768	N	15.100	E	10	G			0.2	5	SICILY
	09	03	33	14.5	47.485	N	11.921	E	12				1.4	24	AUSTRIA. ML 2.8 (LDG), 2.8 (VIE).
	09	03	33	17.6?	0.61	N	123.72	E	257	?	4.4		1.2	9	MINAHASSA PENINSULA
	09	04	30	56.5	44.654	N	9.938	E	14				0.9	32	NORTHERN ITALY. ML 2.9 (LDG).
	09	05	04	47.7*	39.206	N	29.360	E	10	G			1.3	5	TURKEY
	09	06	17	03.3%	43.595	N	12.146	E	10	G			0.5	6	CENTRAL ITALY
	09	06	18	04.6%	43.655	N	12.173	E	10	G			1.1	5	CENTRAL ITALY
	09	06	58	47.5	15.218	N	91.689	W	184		4.4		1.1	41	MEXICO-GUATEMALA BORDER REGION. MD 4.7 (UNM).
	09	07	13	57.8?	7.98	S	76.12	W	159	?	4.5		1.1	11	NORTHERN PERU
	09	07	46	05.6*	28.628	N	66.375	E	25	*	4.2		1.4	12	PAKISTAN
	09	08	25	17.9	24.240	N	122.431	E	29		4.7		1.2	45	TAIWAN REGION
	09	08	45	14.6&	58.586	N	152.744	W	70					27	KODIAK ISLAND REGION. <AGS-P>.
	09	10	30	35.0&	32.520	N	115.270	W	10					4	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	09	10	54	54.4&	32.540	N	115.270	W	15					15	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.5 (PAS), 3.6 (ECX) Felt at Mexicali, Mexico.
	09	11	12	26.0?	33.26	S	72.25	W	10	G			0.5	8	OFF COAST OF CENTRAL CHILE
a	09	11	22	20.3	35.066	N	26.640	E	60	D	4.9		1.2	253	CRETE

	09	11	30	45.3?	33 36	S	72 33	W	33	N			1.1	11	OFF COAST OF CENTRAL CHILE
	09	12	37	34.5*	37 384	N	72.133	E	33	N	4.6		0.8	8	TAJIK SSR
	09	13	19	53.9*	15.308	N	94.029	E	33	N	5.0	3.9	1.4	17	SOUTH BURMA
	09	13	31	13.1%	40.566	N	28.886	E	10	G			0.3	5	TURKEY
	09	14	53	46.7*	43.385	N	5.414	E	10	G			1.2	17	NEAR SOUTH COAST OF FRANCE. MD 2.7 (STR).
f	09	15	11	20.3	5.395	N	31.654	E	13	G	5.9	6.4	1.2	387	SUDAN. Ms 6.6 (BRK), 6.3 (PAS). Mo=5.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	09	17	11	16.5&	63.487	N	150.569	W	14					22	CENTRAL ALASKA. <AGS-P>.
	09	17	53	49.5?	31.32	S	68.49	W	110	G			0.8	7	SAN JUAN PROVINCE, ARGENTINA
	09	17	55	17.0?	31.50	S	68.19	W	10	G			0.8	7	SAN JUAN PROVINCE, ARGENTINA
	09	19	58	23.0?	51.45	N	176.92	W	33	N	3.8		1.6	5	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak.
	09	20	24	29.5?	40 72	N	30.59	E	10	G			1.4	8	TURKEY
	09	21	36	17.0&	61.975	N	149.790	W	39					31	SOUTHERN ALASKA. <AGS-P>.
	09	22	55	14.6?	30.89	N	143.08	E	33	N	4.3		1.1	6	SOUTH OF HONSHU, JAPAN
	10	00	40	50.9?	37.93	N	29.14	E	10	G			1.5	4	TURKEY
o	10	00	51	54.5	8.493	N	103.127	W	33	N	5.3	5.5	0.9	82	OFF COAST OF MEXICO. Ms 5.6 (BRK).
	10	01	31	07.1&	36.220	N	120.835	W	6					17	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	10	01	54	25.8%	41.025	N	28.893	E	10	G			0.8	8	TURKEY
	10	02	04	49.8	12.908	N	88.865	W	64		4.4		1.0	44	OFF COAST OF CENTRAL AMERICA
	10	02	22	35.6*	37.689	N	14.972	E	10	G			0.5	5	SICILY
f	10	03	17	59.2	10.353	S	161.119	E	66	G	6.0		1.0	266	SOLOMON ISLANDS. mb 6.2 (BRK). Mo=1.3*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	10	04	51	14.2	30.630	N	138.599	E	410		4.5		0.7	66	SOUTH OF HONSHU, JAPAN
	10	06	33	46.8	43.884	S	169.211	E	10	G	5.2		1.3	43	SOUTH ISLAND, NEW ZEALAND. ML 5.1 (WEL). Felt in the southwestern part of South Island.
	10	06	44	52.6	16.957	N	99.271	W	47	*	4.5		1.1	57	NEAR COAST OF GUERRERO, MEXICO. MD 4.9 (UNM). Felt (IV) at Acapulco. Also felt at Puebla.
	10	06	53	41.0*	30.764	S	72.109	W	61	*			1.0	24	OFF COAST OF CENTRAL CHILE
	10	07	21	51.2?	38.14	S	74.64	W	33	N			0.7	13	OFF COAST OF CENTRAL CHILE
	10	07	33	12.7%	31.050	S	69.077	W	10	G			0.8	5	SAN JUAN PROVINCE, ARGENTINA
	10	07	40	44.1?	31.23	S	71.01	W	33	N			0.6	6	NEAR COAST OF CENTRAL CHILE
	10	07	52	41.1*	30.786	S	72.075	W	91	?			1.1	18	OFF COAST OF CENTRAL CHILE
	10	08	23	22.0	39.150	N	9.098	W	10	G			0.3	6	PORTUGAL. MG 3.1 (LIS). Felt (IV) at Montejunto.
	10	08	26	51.0	41.590	N	18.880	E	27				1.2	47	ADRIATIC SEA. ML 3.5 (TTG), 3.8 (ZAG).
	10	08	44	55.6	41.575	N	18.943	E	10	G			1.2	25	ADRIATIC SEA. ML 3.1 (TTG).
	10	08	59	11.8	39.162	N	9.107	W	10	G			0.4	7	PORTUGAL. MG 3.1 (LIS). Felt (IV) at Montejunto.
	10	09	03	57.7&	40.213	N	122.103	W	5					11	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	10	09	31	34.1?	31.68	S	68.52	W	110	G			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	10	09	49	59.0?	8.57	N	103.05	W	10	G	4.1		0.9	8	OFF COAST OF MEXICO
	10	10	11	01.2	19.580	S	69.019	W	135		4.5		0.8	17	NORTHERN CHILE
	10	10	13	57.9%	39.641	N	29.392	E	10	G			1.3	5	TURKEY
	10	10	23	24.9?	7.94	N	103.94	W	10	G	4.5		1.5	9	OFF COAST OF MEXICO
	10	11	10	23.7%	47.012	N	1.377	E	10	G			1.4	12	FRANCE. ML 2.7 (LDG).
	10	11	23	34.6*	8.420	N	103.257	W	10	G	4.3		0.8	17	OFF COAST OF MEXICO
	10	11	59	46.8&	63.157	N	150.482	W	115		3.8			49	CENTRAL ALASKA. <AGS-P>.
	10	12	01	39.4?	31.90	S	69.67	W	130	G			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	10	12	18	00.0&	60.218	N	152.689	W	103					34	SOUTHERN ALASKA. <AGS-P>.
	10	13	30	43.1	46.687	N	10.217	E	10	G			1.4	9	NORTHERN ITALY
	10	14	18	21.8	41.600	N	18.939	E	9				0.9	14	ADRIATIC SEA. ML 2.6 (TTG).
a	10	14	19	10.9	15.027	S	173.699	W	33	N	5.0	4.7	0.9	70	TONGA ISLANDS
	10	14	20	29.1?	44.46	N	129.82	W	10	G			0.4	53	OFF COAST OF OREGON
	10	15	26	11.9?	31.22	S	68.24	W	110	G			0.6	6	SAN JUAN PROVINCE, ARGENTINA
	10	15	37	20.5&	66.540	N	144.986	W	6					6	ALASKA. <AGS-P>.
	10	15	40	52.8&	66.672	N	145.417	W	5					4	ALASKA. <AGS-P>.
	10	15	57	13.1%	40.238	N	27.507	E	10	G			0.6	11	TURKEY
	10	18	19	47.9&	59.601	N	151.678	W	47					27	KENAI PENINSULA, ALASKA. <AGS-P>.
a	10	18	24	11.3*	30.903	S	177.777	W	33	N	5.3	4.9	1.4	35	KERMADEC ISLANDS
	10	18	31	04.4	41.560	N	18.931	E	10	G			1.1	19	ADRIATIC SEA. ML 3.0 (TTG).
	10	19	41	20.0%	39.179	N	23.570	E	10	G			0.2	6	AEGEAN SEA. ML 2.4 (THE).
	10	20	06	05.6	40.088	N	29.263	E	10	G			0.7	13	TURKEY
	10	20	56	39.3	6.945	N	127.450	E	16		4.6		0.8	29	PHILIPPINE ISLANDS REGION
	10	21	15	45.9	44.451	N	7.303	E	12				0.5	21	NORTHERN ITALY. ML 2.6 (LDG), 2.6 (GEN). MD 1.8 (STR).
	10	21	20	11.3?	54.12	S	29.49	W	33	N		4.5	0.9	9	SOUTH SANDWICH ISLANDS REGION
	10	21	37	01.4?	45.89	N	4.39	E	10	G			0.5	5	FRANCE. ML 1.8 (LDG).
	10	21	51	21.7	15.741	S	75.551	W	36	D	5.2		1.0	64	NEAR COAST OF PERU
	10	22	01	27.8?	31.32	S	69.10	W	130	G			0.6	7	SAN JUAN PROVINCE, ARGENTINA
	10	22	36	14.5*	41.823	N	13.713	E	10	G			0.7	7	SOUTHERN ITALY
	10	22	38	56.1?	39.02	N	20.26	E	10	G			0.8	7	GREECE-ALBANIA BORDER REGION
	11	00	39	21.1	28.183	N	57.035	E	33	N	4.7		1.3	92	SOUTHERN IRAN
	11	00	42	24.7?	37.36	N	1.79	W	10	G			0.7	5	SPAIN. mbLg 2.8 (MDD).
	11	00	46	08.7	12.670	S	166.894	E	97	*	5.5		1.1	56	SANTA CRUZ ISLANDS
	11	01	58	40.0*	1.040	S	78.356	W	10	G			1.6	7	ECUADOR
	11	02	04	38.0	15.262	N	147.493	E	33	N	4.8	4.2	0.8	58	MARIANA ISLANDS REGION
	11	02	56	29.1%	40.471	N	23.625	E	10	G			0.8	6	GREECE. ML 1.7 (LDG).
	11	03	40	14.3%	31.430	S	68.731	W	110	G			0.7	6	SAN JUAN PROVINCE, ARGENTINA
	11	03	55	07.1%	37.345	N	30.181	E	10	G			1.4	5	TURKEY
	11	04	31	46.0*	12.676	N	122.026	E	33	N	4.5	3.8	1.0	7	LUZON, PHILIPPINE ISLANDS
	11	04	36	08.6*	37.015	N	49.530	E	33	N	4.5		0.4	11	CASPIAN SEA
	11	05	35	47.3*	13.650	S	74.624	W	100	*	4.7		1.3	15	PERU
	11	05	37	54.1?	41.73	N	12.77	E	10	G			0.6	4	SOUTHERN ITALY
	11	05	57	33.6&	62.291	N	149.610	W	57					26	CENTRAL ALASKA. <AGS-P>.
	11	06	00	50.9	32.844	N	84.762	E	64	*	4.4		1.4	29	TIBET
	11	06	38	27.0&	61.781	N	149.573	W	7					31	SOUTHERN ALASKA. <AGS-P>. ML 2.8 (PMR). Felt (II) at Palmer.
	11	06	51	29.2*	19.771	S	69.230	W	122	*	4.3		1.6	8	NORTHERN CHILE
	11	07	00	54.2&	61.313	N	151.269	W	61					28	SOUTHERN ALASKA. <AGS-P>.
	11	07	24	14.2*	17.371	S	72.904	W	32	D	4.4		1.5	18	NEAR COAST OF PERU. Felt (II) at Arequipa.
	11	07	27	10.9	45.833	N	14.668	E	5				1.3	62	YUGOSLAVIA. ML 3.7 (LDG), 3.7 (VIE), 3.6 (ZAG). MD 3.6 (LJU), 3.4 (TRI). Slight damage in the Dabro Polje-Ponikve area.
	11	08	07	33.9?	8.31	N	126.44	E	33	N	4.9		0.1	4	MINDANAO, PHILIPPINE ISLANDS
	11	08	11	27.1?	31.43	S	68.79	W	83	?			0.5	6	SAN JUAN PROVINCE, ARGENTINA
	11	09	11	49.5&	62.432	N	151.322	W	86					22	CENTRAL ALASKA. <AGS-P>.

	11	10 02	30.5*	38.156	N	20.255	E	10	G	3.8		1.7	11	GREECE. ML 3.3 (THE).
	11	10 23	42.4?	31.56	S	68.16	W	33	N			1.5	5	SAN JUAN PROVINCE, ARGENTINA
	11	10 37	47.7?	17.38	N	95.50	W	33	N			1.2	7	OAXACA, MEXICO. MD 4.4 (UNM).
	11	10 48	04.7%	39.614	N	29.412	E	10	G			1.2	5	TURKEY
	11	10 51	08.6%	39.629	N	29.210	E	10	G			0.4	5	TURKEY
	11	11 37	17.5	54.151	N	163.364	W	33	N	4.5		1.2	26	UNIMAK ISLAND REGION. ML 4.6 (PMR).
	11	11 47	13.0&	59.853	N	152.064	W	72					23	SOUTHERN ALASKA. <AGS-P>.
	11	11 47	42.6&	61.644	N	151.616	W	87					24	SOUTHERN ALASKA. <AGS-P>.
	11	12 01	50.1*	31.896	S	68.988	W	147	?			0.6	15	SAN JUAN PROVINCE, ARGENTINA
	11	12 02	45.1	50.475	N	5.832	E	10	G			0.4	7	BELGIUM. MD 2.5 (UCC). ML 2.2 (BNS).
	11	12 47	03.9	15.158	N	147.434	E	41	*	4.7		0.7	40	MARIANA ISLANDS REGION
	11	13 07	25.0	57.200	S	25.490	W	62	D	5.5		0.9	98	SOUTH SANDWICH ISLANDS REGION
	11	13 18	53.2%	13.298	S	76.710	W	33	N			0.5	5	NEAR COAST OF PERU
	11	13 46	09.0?	18.02	S	69.84	W	210	?			1.1	9	NORTHERN CHILE
	11	14 10	02.7%	31.193	S	68.789	W	100	G			0.3	7	SAN JUAN PROVINCE, ARGENTINA
	11	14 11	57.9*	32.809	N	138.965	E	219	*	4.6		1.5	24	SOUTH OF HONSHU, JAPAN
	11	14 54	37.4	41.962	N	23.765	E	10	G			1.0	27	GREECE-BULGARIA BORDER REGION. ML 3.2 (THE), 3.0 (SKO).
	11	14 57	02.8%	44.406	N	8.320	E	10	G			0.7	6	NORTHERN ITALY. ML 2.0 (GEN).
a	11	15 14	04.5&	59.325	N	136.470	W	10	G	5.8	5.2		417	SOUTHEASTERN ALASKA. <PGC>. ML 5.7 (PMR). Ms 4.9 (BRK). Felt (V) at Haines and Skagway; (IV) at Auke Bay and Juneau; (III) at Elfin Cove, Hoonah, Kake, Pelican, Petersburg, Tenakee Springs and Yakutat. Felt (V) at Pleasant Camp, British Columbia and (IV) at Whitehorse, Yukon Territory. Also felt at Windy Craggy, British Columbia and Haines Junction, Yukon Territory.
	11	15 47	02.8%	38.138	N	14.321	E	10	G			0.6	6	SICILY
	11	15 53	10.9&	59.309	N	136.442	W	10	G				5	SOUTHEASTERN ALASKA. <PGC>. ML 3.2 (PGC). Felt at Pleasant Camp, British Columbia.
	11	15 58	43.0%	31.382	S	69.018	W	120	G			0.6	7	SAN JUAN PROVINCE, ARGENTINA
	11	16 11	40.3*	37.115	S	176.186	E	444		4.9		0.7	36	NORTH ISLAND, NEW ZEALAND
	11	16 29	07.8&	38.817	N	122.810	W	3					17	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=3.3*10**14 Nm (BRK).
	11	16 38	40 4?	10.58	S	166.84	E	33	N	4.7		0.8	8	SANTA CRUZ ISLANDS
	11	17 33	36.4&	59.297	N	136.507	W	10	G	4.0			14	SOUTHEASTERN ALASKA. <PGC>. ML 4.2 (PMR). Felt at Pleasant Camp, British Columbia and Haines, Alaska.
	11	17 34	48.9*	21.738	S	177.295	W	203	*	5.2		1.4	80	FIJI ISLANDS REGION
	11	18 10	09.0?	48.57	N	1.76	W	10	G			0.2	4	FRANCE. ML 2.4 (LDG).
	11	18 18	24.2	31.894	S	71.366	W	33	N			0.5	17	NEAR COAST OF CENTRAL CHILE
	11	19 02	42.1*	45.815	N	11.885	E	10	G			0.2	5	NORTHERN ITALY. ML 2.6 (VIE). MD 2.4 (TRI).
a	11	19 48	08.1	25.355	S	178.342	E	585	D	5.6		1.1	254	SOUTH OF FIJI ISLANDS
a	11	19 49	13.9	25.366	S	178.234	E	590	D	5.4		1.0	93	SOUTH OF FIJI ISLANDS
	11	20 22	41.2%	40.658	N	29.973	E	10	G			0.6	7	TURKEY
	11	20 37	20.5?	31.98	S	69.51	W	130	G			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	11	21 38	06.0%	46.257	N	6.636	E	10	G			0.8	10	SWITZERLAND. ML 2.6 (LDG).
	11	22 21	33.4	62.366	N	141.812	W	5	G			1.2	20	CENTRAL ALASKA
	11	22 32	03.1*	40.954	N	21.268	E	10	G			1.5	6	GREECE. ML 2.2 (THE), 1.7 (SKO).
	11	22 33	38.8&	38.380	N	122.617	W	8					15	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=7.7*10**13 Nm (BRK). Felt at Santa Rosa.
	11	22 56	49.5&	62.652	N	151.245	W	96					29	CENTRAL ALASKA. <AGS-P>.
	11	23 06	29.4	40.114	N	29.278	E	10	G			0.9	35	TURKEY
	11	23 08	28.1?	38.62	N	134.29	E	471	?	3.7		0.2	6	SEA OF JAPAN
	11	23 17	01.8?	40.12	N	29.27	E	10	G			0.2	4	TURKEY
	11	23 51	10.5%	40.142	N	29.258	E	10	G			1.1	13	TURKEY
	12	01 22	54.0%	45.032	N	0.060	E	10	G			0.6	11	FRANCE. ML 2.8 (LDG).
	12	01 39	45.5&	59.325	N	136 421	W	10	G				5	SOUTHEASTERN ALASKA. <PGC>. ML 3.1 (PGC). Felt at Pleasant Camp, British Columbia.
	12	01 52	13.0%	39.269	N	21.601	E	10	G			0.7	8	GREECE. ML 2.2 (THE).
	12	02 19	53.4*	43.991	N	24.703	E	10	G			1.3	9	BULGARIA
	12	03 48	50.9*	41.328	N	22.674	E	5	G			1.4	6	YUGOSLAVIA. ML 1.9 (SKO), 1.9 (THE).
	12	04 30	11.8%	1.149	S	78.275	W	10	G			0.7	6	ECUADOR
	12	04 58	24.7*	32.631	S	68.729	W	10	G			0.3	7	MENDOZA PROVINCE, ARGENTINA
	12	05 27	27.6&	59.324	N	136.506	W	10	G				6	SOUTHEASTERN ALASKA. <PGC>. ML 3.5 (PGC). Felt at Haines, Alaska and Pleasant Camp, British Columbia.
	12	06 39	02.4%	32.802	S	70.630	W	33	N			0.2	7	CHILE-ARGENTINA BORDER REGION
	12	06 39	05.3	46.982	N	11.362	E	10	G			1.5	10	NORTHERN ITALY. ML 2.6 (VIE).
	12	06 50	48.2?	21.92	S	179.38	W	597	?	4.6		0.6	13	FIJI ISLANDS REGION
	12	07 03	52.7	46.955	N	11.433	E	5	G			1.4	11	NORTHERN ITALY. ML 2.6 (KBA).
	12	08 36	38.3	46.966	N	11.370	E	5	G			1.4	16	NORTHERN ITALY. ML 2.9 (KBA).
	12	08 44	20.5%	1.096	S	78.121	W	10	G			1.0	6	ECUADOR
	12	08 53	58.7%	39.635	N	29.451	E	10	G			0.7	5	TURKEY
	12	08 57	09.7?	39.62	N	29.43	E	10	G			1.3	4	TURKEY
	12	09 03	52.4	24.020	N	108.516	W	10	G	4.7		1.2	45	GULF OF CALIFORNIA. Ms 4.7 (BRK).
	12	09 14	01.5	46.986	N	11.439	E	5	G			1.5	17	NORTHERN ITALY. ML 2.8 (KBA).
	12	09 29	49.7?	43.07	N	0.40	E	10	G			1.3	4	FRANCE. ML 2.7 (LDG).
	12	11 09	35.1?	10.16	S	166.38	E	117	?	4.6		1.2	11	SANTA CRUZ ISLANDS
	12	12 31	48.5%	31.430	S	68.795	W	89	?			1.1	8	SAN JUAN PROVINCE, ARGENTINA
	12	12 48	16.7&	59.307	N	137.162	W	18	G				4	SOUTHEASTERN ALASKA. <PGC>. ML 3.5 (PGC).
	12	12 50	04.3?	31.64	S	67.91	W	33	N			1.7	6	SAN JUAN PROVINCE, ARGENTINA
	12	13 27	08.2?	23.02	N	108.96	W	10	G	4.2		1.4	18	GULF OF CALIFORNIA
	12	13 27	47.1&	19.333	N	155.117	W	9					44	HAWAII. <HVO-P>. MD 4.0 (HVO). Felt at Hilo, Mountain View, Papaikou and Volcano.
	12	13 36	35.0	8.399	S	156.385	E	20	D	4.7		1.0	26	SOLOMON ISLANDS
	12	13 58	01.8&	59.615	N	152.683	W	80					20	SOUTHERN ALASKA. <AGS-P>.
	12	14 38	24.9*	60.390	S	19.146	W	10	G	4.9		1.6	16	SOUTHWESTERN ATLANTIC OCEAN
	12	14 52	36.5	46.167	N	12.577	E	7				1.2	76	NORTHERN ITALY. ML 3.8 (FUR), 3.7 (VIE), 3.6 (LDG), 3.5 (ZAG). MD 3.6 (LJU), 3.3 (TRI).
	12	15 02	00.7*	12.997	N	51.076	E	10	G	4.5		1.1	10	EASTERN GULF OF ADEN
	12	16 48	25.9*	12.168	N	120.645	E	33	N	4.5	3.9	1.6	8	MINDORO, PHILIPPINE ISLANDS
	12	16 51	58.4%	44.163	N	8.154	E	5	G			0.3	5	NORTHERN ITALY. ML 1.6 (GEN).
	12	16 53	13.8*	33.069	S	72.064	W	33	N			1.2	12	OFF COAST OF CENTRAL CHILE
	12	17 33	41.4?	38.38	N	15.19	E	10	G			0.2	4	SICILY
	12	17 52	03.4?	22.65	N	120.89	E	10	G			1.0	5	TAIWAN
	12	18 37	04.6	39.528	N	24.254	E	10	G			1.2	10	AEGEAN SEA. ML 3.1 (ATH).

	12	19	20	13.1*	6 572	S	130 020	E	128 *	4.8	1.3	17	BANDA SEA
	12	19	44	29 4?	15 48	S	72 15	W	120 G		0.9	5	SOUTHERN PERU
	12	19	56	14.6*	1.683	N	127.101	E	124 ?	4.9	1.1	14	HALMAHERA
	12	19	59	18.0&	34.040	N	118.340	W	5 G			5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.3 (PAS). Felt at Los Angeles.
	12	20	05	20.7%	37.916	N	15.045	E	25 *		0.6	6	SICILY
	12	20	27	04.8	29.516	N	103.183	E	31 *	4.6	1.2	37	SICHUAN PROVINCE, CHINA. ML 4.7 (BJI).
	12	20	36	52.7*	2.256	N	98.175	E	102 ?	4.6	1.0	27	NORTHERN SUMATERA
	12	20	42	54.0?	41.80	N	13.91	E	10 G		0.2	4	SOUTHERN ITALY
	12	21	14	00.5?	37.84	N	14.94	E	10 G		1.4	4	SICILY
a	12	23	08	22.5	14.647	N	60.458	W	28 D	5.5 5.7	0.9	302	WINDWARD ISLANDS. MD 5.7 (TRN). Ms 5.7 (BRK), 5.7 (PAS). Felt (VI) on Martinique and (II) on Guadeloupe. Also felt on Dominica and St. Vincent.
	12	23	16	45.4?	14 63	N	60.64	W	28 *		0.1	6	WINDWARD ISLANDS. ML 3.7 (FDF).
	12	23	48	45.8?	15.45	N	60.22	W	33 N		1.7	6	LEEWARD ISLANDS. ML 3.0 (FDF).
	12	23	49	58.8	22.556	S	177.000	W	202 D	4.8	1.0	21	SOUTH OF FIJI ISLANDS
	12	23	52	29.6?	14.66	N	60.58	W	26 *		0.2	6	WINDWARD ISLANDS. ML 3.0 (FDF).
	13	00	16	15.3?	14.82	N	60.00	W	33 N		0.5	5	WINDWARD ISLANDS. ML 3.0 (FDF).
	13	00	19	49.4?	14.66	N	60.52	W	27 *		0.2	6	WINDWARD ISLANDS. ML 3.0 (FDF).
	13	00	25	04.4&	63.191	N	149.813	W	88			15	CENTRAL ALASKA. <AGS-P>.
	13	00	57	42.5?	14.64	N	60.61	W	27 ?		0.1	5	WINDWARD ISLANDS. ML 2.7 (FDF).
	13	01	12	56.2	44.323	N	6.722	E	10 G		0.5	27	FRANCE. ML 2.7 (GEN).
	13	02	04	45.0?	14.61	N	60.48	W	33 N		0.3	8	WINDWARD ISLANDS. ML 3.5 (FDF).
	13	02	06	56.6&	58.631	N	151.628	W	59	3.7		34	KODIAK ISLAND REGION. <AGS-P>.
	13	02	50	28.4?	14.47	N	60.70	W	33 N		1.0	5	WINDWARD ISLANDS. ML 3.3 (FDF).
	13	03	24	05.3*	23.623	N	94.503	E	106 *	4.2	1.5	28	BURMA-INDIA BORDER REGION
	13	04	45	10.3	45.580	N	3.644	E	10 G		0.5	11	FRANCE. ML 2.2 (LDG).
	13	06	12	17.1?	14.61	N	60.44	W	31 *		0.4	7	WINDWARD ISLANDS. ML 3.4 (FDF).
	13	06	16	32.7?	36.74	S	73.01	W	33 N		0.5	10	NEAR COAST OF CENTRAL CHILE
	13	06	27	08.3&	33.890	N	120.160	W	6 G			9	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	13	06	35	17.0&	61.298	N	147.304	W	9			30	SOUTHERN ALASKA. <AGS-P>.
a	13	08	11	37.3	6.245	S	154.787	E	59 D	5.6	1.1	206	SOLOMON ISLANDS
	13	08	18	03.1?	14.63	N	60.54	W	29 ?		0.4	5	WINDWARD ISLANDS. ML 3.3 (FDF).
	13	08	30	26.9?	40.50	N	21.91	E	10 G		0.1	4	GREECE. ML 2.7 (THE).
a	13	08	36	36.9?	13.30	S	112.27	W	10 G	5.1 4.9	1.4	33	NORTHERN EASTER I. CORDILLERA
	13	08	42	59.1?	54.47	N	161.22	W	97 ?	4.5	1.4	8	ALASKA PENINSULA. Felt (IV) at King Cove.
	13	08	51	46.8?	39.11	N	27.42	E	10 G		0.7	4	TURKEY
	13	08	53	31.4?	40.56	N	22.98	E	10 G		0.3	4	GREECE. ML 1.6 (THE).
	13	09	22	22.2%	39.215	N	27.771	E	10 G		0.4	7	TURKEY
	13	09	41	53.5	40.355	N	28.944	E	10 G		1.3	22	TURKEY. Felt at Gemlik.
	13	10	39	41.5&	38.378	N	118.348	W	5 G			10	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK). Felt (III) at Mina, Nevada.
	13	10	41	11.3%	37.861	N	6.291	W	10 G		0.3	5	SPAIN. mbLg 2.7 (MDD).
	13	10	41	33.5*	6.773	N	32.124	E	10 G	4.0	0.8	7	SUDAN. mbLg 4.2 (BUL).
	13	11	19	45.8	40 136	N	20.304	E	10 G		1.5	24	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH). ML 3.1 (THE).
	13	12	32	54.2	42.334	N	24.267	E	10 G		0.5	10	BULGARIA. ML 2.7 (THE).
	13	12	44	12.9?	37.56	N	20.67	E	10 G		1.4	7	IONIAN SEA. ML 3.1 (THE).
	13	13	04	10.5*	36.481	N	50.068	E	33 N	4.7	1.1	43	IRAN
	13	13	50	25.6	12.925	N	87.723	W	22 D	4.9 5.0	1.1	57	NEAR COAST OF NICARAGUA. Some injured and slight damage (V) in eastern El Salvador. Also felt in southern Honduras.
	13	14	09	36.2?	45.61	N	148.83	E	33 N	4.6	1.2	7	KURIL ISLANDS
	13	14	11	13.2%	43.806	N	7.666	E	10 G		0.3	5	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG).
a	13	14	20	43.4	36.415	N	70.789	E	217 D	5.6	1.1	500	HINDU KUSH REGION. At least 43 mountain climbers were killed on Pik Lenina, USSR by an avalanche which was triggered by the earthquake. Felt (IV) at Dushanbe, Garm, Gezan, Gissar, Kharag, Kulyab, Langar, Leninabad, Namangan and Pyandzh; (III) at Andizhan, Fergana and Ura-Tyube; (II) at Tashkent, USSR.
	13	16	07	40.1*	39.505	N	143.317	E	33 N	4.5	1.1	13	OFF EAST COAST OF HONSHU, JAPAN
	13	16	26	01.4?	7.60	S	128.32	E	171 ?	4.8	1.4	7	BANDA SEA
	13	16	58	24.1*	46.042	N	14.983	E	10 G		0.9	6	YUGOSLAVIA. MD 2.7 (LJU). Felt at Dolenjske Toplice and Radece.
	13	17	48	06.8*	30.080	S	179.095	E	517 *	4.5	1.1	33	KERMADEC ISLANDS REGION
	13	18	15	12.8*	35.466	N	22.297	E	33 N	3.6	1.3	28	MEDITERRANEAN SEA. ML 3.7 (THE), 3.6 (ATH).
	13	18	41	10.3&	63.202	N	150.943	W	15			19	CENTRAL ALASKA. <AGS-P>.
	13	18	54	52.6?	41.85	N	22.55	E	10 G		0.3	5	YUGOSLAVIA. ML 2.1 (THE).
	13	19	09	13.5%	36.386	N	22.884	E	10 G		0.8	5	SOUTHERN GREECE. ML 3.3 (ATH).
	13	19	12	09.4?	43 83	N	11.95	E	10 G		0.5	8	CENTRAL ITALY. ML 2.8 (LDG).
	13	19	35	17.3?	40 78	N	23.77	E	10 G		0.3	4	GREECE. ML 2.0 (THE).
	13	21	16	49.4%	39.654	N	27.525	E	10 G		0.9	10	TURKEY
	13	21	18	18.5%	47.591	N	7.458	E	5 G		1.5	8	SWITZERLAND. ML 2.5 (LDG).
	13	21	52	40.0?	41.80	N	12 70	E	10 G		0.6	4	SOUTHERN ITALY
	13	21	55	23.3	40.245	N	28.981	E	10 G		1.4	22	TURKEY. Felt at Gemlik.
	13	21	58	34.7%	40.236	N	28.949	E	10 G		1.3	15	TURKEY
	13	22	12	06.7	39.598	N	143.512	E	20 D	4.8 4.3	1.1	56	OFF EAST COAST OF HONSHU, JAPAN
	13	22	38	06.1?	40.18	N	28.95	E	10 G		0.4	4	TURKEY
	13	22	43	05.0*	37.852	N	27.235	E	10 G		1.1	5	TURKEY
	13	23	04	41.9?	48.96	N	1.39	W	5 G		0.3	4	FRANCE. ML 2.1 (LDG).
	13	23	37	09.3&	33.900	N	120.150	W	6 G			10	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	13	23	42	34.7*	17.987	S	178.568	W	576	4.8	1.0	46	FIJI ISLANDS REGION
	14	00	25	38.4&	40.695	N	119.585	W	5 G			4	NEVADA. <BRK>. ML 2.6 (BRK).
	14	00	43	29.2%	39.726	N	27.188	E	10 G		1.3	5	TURKEY
	14	01	06	20.6&	61.797	N	150.018	W	39			22	SOUTHERN ALASKA. <AGS-P>. ML 3.0 (PMR).
	14	01	28	25.0?	33 04	S	72.44	W	33 N		0.6	9	OFF COAST OF CENTRAL CHILE
	14	01	37	27.7*	31.560	N	109.101	E	30 *	4.4	1 4	16	SICHUAN PROVINCE, CHINA. ML 4 0 (BJI).
	14	02	09	18.0	39.570	N	143 656	E	33 N	4.3	0.9	15	OFF EAST COAST OF HONSHU, JAPAN
	14	02	21	58.4	6.251	S	154.958	E	60 D	5.0	0.8	61	SOLOMON ISLANDS
	14	02	28	49 8	8.904	N	126.286	E	85 *	4.9	1.3	35	MINDANAO, PHILIPPINE ISLANDS
a	14	03	48	32.4	10.484	S	161 411	E	92	5.4	0.9	160	SOLOMON ISLANDS
	14	03	51	55.8	20 528	N	100.670	E	29 *	4.5	1.3	41	SOUTHEAST ASIA
	14	04	29	42.3&	62.685	N	149.294	W	18			30	CENTRAL ALASKA. <AGS-P>.

	14	04	44	51.5?	39.83	N	30.82	E	10	G			0.3	4	TURKEY
	14	04	45	52 0	32.729	S	69.282	W	120	G			0.6	15	MENDOZA PROVINCE, ARGENTINA
	14	05	08	25.0%	33.690	S	70.742	W	33	N			1.4	9	CHILE-ARGENTINA BORDER REGION
	14	05	28	01.8&	59.599	N	136.287	W	10	G				5	SOUTHEASTERN ALASKA. <PGC>. ML 3.4 (PGC). Felt at Pleasant Camp, British Columbia.
f	14	05	54	25.4	0.003	N	17.376	W	11	G	6.2	6.4	1.0	515	NORTH OF ASCENSION ISLAND. Ms 6.4 (BRK), 6.2 (PAS). Depth from broadband displacement seismograms.
	14	06	17	14.1?	33.49	S	72.89	W	33	N			0.7	13	OFF COAST OF CENTRAL CHILE
	14	07	07	57.4&	58.925	N	153.214	W	80					21	KODIAK ISLAND REGION. <AGS-P>.
a	14	07	24	39.6	0.074	S	17.523	W	12	G	5.8	5.5	0.9	344	NORTH OF ASCENSION ISLAND. Depth from broadband displacement seismograms.
	14	07	42	11.7?	25.35	S	71.54	W	33	N			1.3	7	OFF COAST OF NORTHERN CHILE
	14	07	59	09.2&	61.466	N	150.398	W	45					21	SOUTHERN ALASKA. <AGS-P>.
	14	08	00	13.3*	33.718	S	70.852	W	60	?			0.1	8	CHILE-ARGENTINA BORDER REGION
	14	08	59	47.1?	34.11	S	70.72	W	86	?			0.2	9	CHILE-ARGENTINA BORDER REGION
	14	09	13	32.1&	59.321	N	136.509	W	10	G				5	SOUTHEASTERN ALASKA. <PGC>. ML 3.1 (PGC). Felt at Pleasant Camp, British Columbia.
	14	09	34	10.7&	37.510	N	118.510	W	5	G				11	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.7 (BRK).
	14	09	36	41.0%	39.630	N	29.391	E	10	G			0.3	5	TURKEY
	14	09	40	01.8?	39.11	N	27.63	E	10	G			0.4	4	TURKEY
	14	09	56	45.7	11.732	N	143.162	E	33	N	5.0	4.5	1.0	68	SOUTH OF MARIANA ISLANDS
	14	10	08	00.5	11.801	N	143.065	E	17	D	4.6		1.0	31	SOUTH OF MARIANA ISLANDS
	14	12	02	05.7?	41.33	N	15.05	E	10	G			0.6	4	SOUTHERN ITALY
	14	12	06	34.8%	43.434	N	10.853	E	5	G			0.2	6	CENTRAL ITALY
	14	12	23	00.4?	32.43	S	71.76	W	33	N			0.4	8	NEAR COAST OF CENTRAL CHILE
	14	12	58	14.5*	11.809	N	143.024	E	33	N	4.4		0.5	7	SOUTH OF MARIANA ISLANDS
	14	13	14	03.1	39.385	N	20.515	E	10	G			1.2	20	GREECE-ALBANIA BORDER REGION. ML 3.2 (THE).
	14	14	36	05.4?	14.17	S	65.99	E	10	G	4.7		1.0	7	MID-INDIAN RISE
	14	14	40	59.0&	59.312	N	136.531	W	10	G				5	SOUTHEASTERN ALASKA. <PGC>. ML 3.1 (PGC). Felt at Pleasant Camp, British Columbia.
	14	14	55	03.7?	5.33	S	146.99	E	190	*	4.8		1.3	6	EAST PAPUA NEW GUINEA REGION
	14	15	41	12.7?	43.09	N	13.16	E	10	G			0.7	4	CENTRAL ITALY
	14	15	42	17.2%	43.175	N	13.000	E	10	G			1.9	5	CENTRAL ITALY
	14	15	48	01.3?	43.22	N	12.87	E	10	G			0.1	4	CENTRAL ITALY
	14	15	49	47.8	40.487	N	23.627	E	10	G			0.8	24	GREECE. ML 3.0 (THE).
a	14	16	12	26.4	11.721	N	143.165	E	27	D	5.6	5.2	1.1	180	SOUTH OF MARIANA ISLANDS
	14	16	18	55.2	43.264	N	12.802	E	8				0.9	18	CENTRAL ITALY
	14	16	28	45.9*	35.436	N	24.791	E	65	*	4.0		0.9	7	CRETE
	14	16	30	01.2	11.837	N	143.234	E	33	N	4.9		1.2	73	SOUTH OF MARIANA ISLANDS
	14	16	46	35.7%	41.174	N	14.773	E	10	G			1.3	7	SOUTHERN ITALY
	14	16	51	22.6%	41.193	N	14.896	E	10	G			0.5	6	SOUTHERN ITALY
	14	17	18	02.8?	40.38	N	30.52	E	10	G			1.0	6	TURKEY
	14	18	06	57.7&	40.600	N	125.132	W	19					8	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK).
	14	18	20	23.6?	40.56	N	30.08	E	10	G			0.7	4	TURKEY
a	14	18	49	31.9	17.411	S	174.283	W	161	D	5.5		1.3	196	TONGA ISLANDS
	14	19	30	49.8?	0.01	S	80.84	W	33	N			0.6	9	NEAR COAST OF ECUADOR
	14	19	48	20.5?	14.47	N	60.19	W	33	N			0.5	6	WINDWARD ISLANDS. ML 3.2 (FDF).
	14	19	50	09.0	13.696	N	144.854	E	130	D	4.7		1.2	48	MARIANA ISLANDS. Felt (III) on Guam.
	14	20	19	27.5?	22.48	S	170.10	E	33	N	4.4		1.2	14	LOYALTY ISLANDS REGION
	14	20	20	41.4?	41.19	N	14.82	E	10	G			0.8	4	SOUTHERN ITALY
	14	20	32	43.0?	38.37	N	70.22	E	33	N	4.5		0.3	7	AFGHANISTAN-USSR BORDER REGION
	14	20	58	28.0%	40.192	N	28.905	E	10	G			0.6	10	TURKEY
	14	22	08	09.0?	44.13	N	129.57	W	10	G			0.4	21	OFF COAST OF OREGON
	14	22	08	17.6%	41.186	N	14.805	E	10	G			1.0	9	SOUTHERN ITALY
	14	22	26	50.9?	41.27	N	14.93	E	10	G			1.4	4	SOUTHERN ITALY
	14	22	42	03.6?	0.00	S	80.79	W	33	N			0.6	10	NEAR COAST OF ECUADOR
	14	22	52	19.1	38.109	N	20.266	E	10	G			1.2	26	GREECE. ML 3.7 (ATH), 3.4 (THE).
	14	23	09	36.6?	41.19	N	14.84	E	10	G			0.7	4	SOUTHERN ITALY
	15	00	03	27.2?	41.25	N	14.94	E	10	G			0.5	4	SOUTHERN ITALY
	15	00	11	26.8?	41.13	N	14.75	E	10	G			0.5	4	SOUTHERN ITALY
	15	00	26	35.6?	41.19	N	14.77	E	5	G			1.4	4	SOUTHERN ITALY
	15	00	57	34.0?	41.27	N	14.90	E	10	G			1.0	4	SOUTHERN ITALY
	15	01	01	30.5%	41.290	N	14.995	E	10	G			0.9	6	SOUTHERN ITALY
	15	01	04	13.5%	42.850	N	13.135	E	10	G			1.1	9	CENTRAL ITALY
	15	01	22	55.5&	60.132	N	153.509	W	167					33	SOUTHERN ALASKA. <AGS-P>.
	15	01	34	26.9%	15.782	N	60.897	W	33	N			0.5	6	LEEWARD ISLANDS. ML 2.7 (FDF).
	15	02	04	16.8	40.479	N	23.574	E	10	G			0.6	6	GREECE. ML 1.8 (THE).
	15	02	38	28.7%	39.557	N	29.378	E	10	G			1.0	11	TURKEY
	15	02	51	10.5%	40.749	N	28.079	E	10	G			0.7	7	TURKEY
	15	03	29	58.3*	37.936	N	22.038	E	33	N			1.3	6	SOUTHERN GREECE. ML 3.1 (ATH).
	15	04	19	56.5%	39.564	N	29.363	E	10	G			1.0	6	TURKEY
	15	04	27	42.3%	40.855	N	22.902	E	5	G			0.6	5	GREECE. ML 1.4 (THE).
	15	05	09	38.3&	63.009	N	150.651	W	120					12	CENTRAL ALASKA. <AGS-P>.
a	15	05	32	41.6	52.854	N	168.349	W	60		5.1		1.0	216	FOX ISLANDS, ALEUTIAN ISLANDS. Felt (IV) at Nikolski.
	15	05	54	33.5	40.815	N	14.904	E	10	G			1.0	8	SOUTHERN ITALY
	15	06	14	52.0*	51.154	N	178.990	W	33	N	4.5		1.2	26	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
	15	07	26	39.0	6.589	S	104.996	E	33	N	4.8	5.1	1.2	43	SUNDA STRAIT
	15	08	33	30.3&	61.242	N	145.454	W	28					44	SOUTHERN ALASKA. <AGS-P>. ML 3.8 (PMR).
	15	09	51	31.2*	13.328	N	45.146	W	10	G	4.8	4.5	1.0	20	NORTH ATLANTIC RIDGE
	15	09	57	53.1	39.523	N	75.142	E	33	N	4.5		1.0	15	SOUTHERN XINJIANG, CHINA
a	15	10	01	06.6*	23.124	S	175.210	W	38	D	5.6	5.2	1.3	65	TONGA ISLANDS REGION
	15	10	10	18.9?	2.43	S	77.83	W	133	*	4.6		1.7	14	PERU-ECUADOR BORDER REGION
	15	10	27	23.7%	39.632	N	29.549	E	10	G			1.1	5	TURKEY
	15	11	20	53.6	41.846	N	20.948	E	5	G			1.1	17	ALBANIA. ML 3.3 (SKO).
	15	12	50	47.9&	61.498	N	150.581	W	50					19	SOUTHERN ALASKA. <AGS-P>.
	15	13	45	47.6%	40.748	N	23.349	E	10	G			0.7	5	GREECE. ML 1.6 (THE).
	15	13	49	10.6*	36.604	N	25.350	E	10	G			1.6	5	DODECANESE ISLANDS. ML 3.4 (ATH).
	15	14	17	08.5%	40.676	N	23.400	E	10	G			0.6	7	GREECE. ML 2.1 (THE).
	15	15	06	21.9%	39.998	N	23.824	E	10	G			1.1	9	AEGEAN SEA. ML 2.3 (THE).
	15	15	08	28.3*	5.002	N	32.188	E	10	G	4.5		1.1	6	SUDAN. mbLg 4.8 (BUL).
	15	15	20	20.6	37.327	N	21.481	E	5	G	4.3		1.0	34	SOUTHERN GREECE. ML 3.8 (THE). MD 3.6 (ATH). Felt in the Messinia area.
	15	15	56	47.5&	62.818	N	150.954	W	93					14	CENTRAL ALASKA. <AGS-P>.

	15	17	58	18 0*	37.984	N	76.129	E	33	N	4.2		0.6	8	SOUTHERN XINJIANG, CHINA
	15	18	13	29.1%	44 272	N	7.513	E	10	G			0.3	7	NORTHERN ITALY. ML 2.0 (GEN).
	15	18	41	57.5?	44.83	N	7.22	E	5	G			0.5	4	NORTHERN ITALY. ML 1.7 (GEN).
	15	19	10	59.7?	23.10	N	120.29	E	33	N			0.9	5	TAIWAN
	15	19	11	18.4*	44.616	N	28.382	W	10	G	4.8	4.2	1.4	56	NORTH ATLANTIC RIDGE
	15	19	36	35.5*	34.955	N	139.197	E	163	*			0.4	10	NEAR S. COAST OF HONSHU, JAPAN
	15	20	10	43.9%	44.470	N	7.326	E	10	G			0.7	6	NORTHERN ITALY. ML 1.9 (GEN).
a	15	20	13	29.9	9.126	S	118.223	E	87	D	5.3		1.4	96	SUMBAWA ISLAND REGION
	15	21	25	58.5	38.295	N	22.203	E	10	G			1.5	22	GREECE. ML 3.3 (THE), 3.1 (ATH).
	15	21	50	36.3	36.493	N	25.519	E	23		4.5		1.3	158	DODECANESE ISLANDS. MD 4.4 (HLW). ML 4.3 (ATH).
	15	21	56	49.4?	36.58	N	25.32	E	10	G			1.6	4	DODECANESE ISLANDS. ML 3.3 (ATH).
	15	22	11	56.0	36.525	N	25.510	E	13				0.7	11	DODECANESE ISLANDS. ML 3.5 (ATH).
	15	23	13	10.0%	34.222	S	70.059	W	10	G			0.6	10	CHILE-ARGENTINA BORDER REGION
	15	23	14	25.1	40.590	N	22.533	E	10	G			0.7	9	GREECE. ML 1.9 (THE).
	15	23	16	40.3?	36.55	N	25.31	E	5	G			1.4	4	DODECANESE ISLANDS. ML 3.3 (ATH).
	15	23	31	07.8?	37.79	N	71.09	E	33	N	4.7		0.2	7	AFGHANISTAN-USSR BORDER REGION
	16	00	37	41.8?	50.31	N	18.78	E	10	G			0.7	4	POLAND. ML 3.0 (KRA).
	16	00	51	38.7?	36.66	N	25.32	E	10	G			1.5	4	DODECANESE ISLANDS. ML 3.3 (ATH).
	16	00	52	23.7	44.334	N	7.213	E	10	G			0.5	10	NORTHERN ITALY. ML 2.1 (LDG), 1.7 (GEN).
	16	00	53	35.2%	16.062	N	61.295	W	10	G			0.9	5	LEEWARD ISLANDS. ML 1.9 (FDF).
	16	00	55	00.4	45.867	N	2.923	E	10	G			0.7	13	FRANCE. MD 1.0 (STR).
	16	01	25	15.5?	14.57	N	60.62	W	33	N			0.6	5	WINDWARD ISLANDS. ML 3.6 (FDF).
	16	01	52	49.6?	36.74	N	25.18	E	5	G			0.8	4	DODECANESE ISLANDS. ML 3.2 (ATH).
	16	02	22	44.3?	36.69	N	25.24	E	5	G			0.5	4	DODECANESE ISLANDS. ML 3.2 (ATH).
	16	02	28	21.0%	41.306	N	29.359	E	10	G			1.2	6	TURKEY
	16	03	03	12.0?	31.25	S	68.96	W	100	G			0.2	7	SAN JUAN PROVINCE, ARGENTINA
	16	04	29	19.6%	46.720	N	0.279	W	10	G			1.5	9	FRANCE. ML 2.8 (LDG).
	16	04	30	09.3	44.572	N	7.167	E	10	G			0.7	16	NORTHERN ITALY. ML 2.9 (LDG), 2.8 (GEN).
	16	04	51	17.6	34.618	N	32.436	E	33	N			1.2	10	CYPRUS. ML 3.5 (CSS).
	16	05	11	12.4	32.331	N	142.311	E	49	D	4.9		0.9	35	SOUTH OF HONSHU, JAPAN
	16	05	56	35.0	13.949	N	91.097	W	68	D	4.3		1.2	39	NEAR COAST OF GUATEMALA. Felt (II) at San Salvadar, El Salvadar.
	16	06	13	59.0	38.373	N	22.088	E	10	G			1.3	8	GREECE. ML 3.0 (ATH).
	16	06	44	02.3?	38.34	N	21.97	E	10	G			0.7	4	GREECE
	16	06	58	56.5&	37.257	N	121.668	W	5					15	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	16	07	05	07.6	41.415	N	22.736	E	5	G			0.6	15	YUGOSLAVIA. ML 2.9 (THE), 2.9 (SKO).
	16	07	12	23.8	24.217	N	121.841	E	23	D	5.0		1.1	77	TAIWAN. ML 5.1 (BJI). Felt (III JMA) at Hwalien.
	16	07	15	45.1	38.328	N	21.864	E	10	G			1.0	9	GREECE. ML 2.9 (THE).
f	16	07	26	34.6	15.679	N	121.172	E	25	D	6.5	7.8	1.1	487	LUZON, PHILIPPINE ISLANDS. Ms 7.6 (BRK), 7.3 (PAS). Mo=8.0*10**20 Nm (PPT). At least 1,621 people killed, more than 3,000 people injured and severe damage, landslides, liquefactian, subsidence, and sandblaws in the Baguia-Cabanatuan-Dagupan area. Damage alsa occurred in Bataan Pravince and at Manila. Large fissures were observed in the epicentral area. Surface faulting accurred alang the Philippine and Digdig faults. Felt (VII RF) in the Manila area, (VI RF) at Santa, (V RF) at Cubi Paint and (IV RF) at Callaa Caves.
	16	07	37	18.7%	40.425	N	28.838	E	10	G			0.6	5	TURKEY
	16	07	38	11.7*	16.619	N	120.404	E	33	N	5.3		1.0	11	LUZON, PHILIPPINE ISLANDS
	16	07	40	36.8	16.857	N	120.350	E	33	N	5.3		0.5	19	LUZON, PHILIPPINE ISLANDS
	16	07	42	47.5?	34.13	S	72.48	W	33	N			0.5	10	NEAR COAST OF CENTRAL CHILE
	16	07	43	04.7?	36.24	N	28.74	E	10	G			0.4	5	DODECANESE ISLANDS
	16	07	45	58.7*	15.664	N	121.178	E	33	N	5.2		1.0	16	LUZON, PHILIPPINE ISLANDS
	16	07	53	51.8	16.293	N	120.408	E	33	N	5.4		0.9	47	LUZON, PHILIPPINE ISLANDS
	16	07	59	39.3*	15.762	N	121.038	E	33	N	4.9		1.3	14	LUZON, PHILIPPINE ISLANDS
	16	08	00	52.4*	16.499	N	120.240	E	33	N	5.2		1.4	32	LUZON, PHILIPPINE ISLANDS
	16	08	05	55.9?	16.21	N	120.61	E	33	N	4.8		1.6	6	LUZON, PHILIPPINE ISLANDS
	16	08	17	07.9?	15.75	N	120.75	E	33	N	4.6		1.1	11	LUZON, PHILIPPINE ISLANDS
	16	08	25	06.3?	15.46	N	120.76	E	33	N	4.6		0.4	6	LUZON, PHILIPPINE ISLANDS
	16	08	26	59.9	16.332	N	121.014	E	33	N	4.8		0.9	27	LUZON, PHILIPPINE ISLANDS
	16	08	30	32.9*	16.165	N	120.179	E	33	N	5.0		1.4	20	LUZON, PHILIPPINE ISLANDS
	16	08	32	00.9?	16.75	N	120.47	E	33	N	5.0		0.5	9	LUZON, PHILIPPINE ISLANDS
	16	08	35	32.7	16.180	N	120.857	E	33	N	5.3		1.2	91	LUZON, PHILIPPINE ISLANDS
	16	08	43	56.9	15.672	N	120.912	E	33	N	4.9		1.2	38	LUZON, PHILIPPINE ISLANDS
	16	08	50	23.1	16.407	N	121.072	E	33	N	5.2		1.1	100	LUZON, PHILIPPINE ISLANDS
	16	08	59	38.1*	45.501	N	26.401	E	150	?			0.7	11	ROMANIA
	16	09	02	59.6	40.046	N	21.161	E	5	G			0.9	19	GREECE. MD 3.3 (ATH). ML 3.1 (THE).
	16	09	03	01.8?	15.98	N	120.43	E	33	N	4.5		1.3	14	LUZON, PHILIPPINE ISLANDS
	16	09	05	51.8%	41.310	N	22.752	E	10	G			1.1	9	YUGOSLAVIA. ML 2.3 (THE).
	16	09	07	55.2?	16.31	N	120.33	E	33	N	4.6		0.7	5	LUZON, PHILIPPINE ISLANDS
	16	09	11	30.4*	16.477	N	120.469	E	33	N	4.8		1.1	22	LUZON, PHILIPPINE ISLANDS
	16	09	12	36.7	38.329	N	22.251	E	10	G			1.0	23	GREECE. ML 3.4 (THE), 3.3 (ATH).
	16	09	15	39.8?	15.78	N	120.66	E	33	N	4.8		0.6	9	LUZON, PHILIPPINE ISLANDS
	16	09	16	06.5	16.340	N	120.888	E	23	D	5.3		1.3	73	LUZON, PHILIPPINE ISLANDS
	16	09	28	33.2*	15.533	N	120.955	E	33	N	4.9		0.8	16	LUZON, PHILIPPINE ISLANDS
	16	09	29	06.6	16.385	N	120.412	E	18	D	5.6		1.0	205	LUZON, PHILIPPINE ISLANDS
	16	09	29	42.4	40.091	N	21.185	E	10	G			0.8	23	GREECE. ML 3.4 (ATH). ML 3.1 (THE).
	16	09	35	13.8*	16.359	N	120.527	E	33	N	4.9		1.4	23	LUZON, PHILIPPINE ISLANDS
	16	09	36	03.1	38.367	N	22.186	E	10	G			1.3	10	GREECE. ML 3.0 (ATH).
	16	09	36	10.2?	44.47	N	7.11	E	10	G			0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
	16	09	38	42.5%	39.198	N	27.693	E	10	G			1.0	8	TURKEY
	16	09	39	21.7	16.521	N	120.930	E	16	D	5.6		1.2	194	LUZDN, PHILIPPINE ISLANDS. Felt (II RF) at Callaa Caves.
	16	09	47	08.4?	16.76	N	120.81	E	33	N	4.5		1.2	9	LUZON, PHILIPPINE ISLANDS
	16	09	51	43.9*	16.263	N	121.074	E	33	N	4.7		1.2	8	LUZON, PHILIPPINE ISLANDS
	16	10	05	49.4?	16.36	N	121.85	E	33	N	4.6		1.3	7	LUZON, PHILIPPINE ISLANDS
	16	10	08	13.4	36.123	N	141.354	E	33	N	5.0		0.9	108	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Mito and (II JMA) at Chashi.
	16	10	12	57.5	9.218	N	125.518	E	33	N	5.3		1.3	94	MINDANAO, PHILIPPINE ISLANDS
	16	10	15	58.77	15.11	N	120.41	E	33	N	4.8		1.4	7	LUZON, PHILIPPINE ISLANDS
	16	10	24	24.2	16.445	N	120.945	E	33	N	5.2	4.8	1.1	77	LUZON, PHILIPPINE ISLANDS

	16	10	32	56.6?	16.42	N	120.21	E	33	N	4.6		1.1	8	LUZON, PHILIPPINE ISLANDS
	16	10	37	22.1*	16.063	N	121.162	E	33	N	4.3		1.2	12	LUZON, PHILIPPINE ISLANDS
	16	11	00	04.9%	39.627	N	29.345	E	10	G			0.5	5	TURKEY
	16	11	00	14.9?	16.36	N	121.36	E	33	N	4.4		1.4	7	LUZON, PHILIPPINE ISLANDS
	16	11	01	27.1?	39.67	N	29.54	E	10	G			0.7	4	TURKEY
	16	11	05	39.7?	16.06	N	120.47	E	33	N	4.5		1.1	9	LUZON, PHILIPPINE ISLANDS
	16	11	14	10.9*	16.383	N	121.123	E	33	N	4.5		1.3	23	LUZON, PHILIPPINE ISLANDS
	16	11	18	02.6?	15.68	N	120.39	E	33	N	4.6		1.4	9	LUZON, PHILIPPINE ISLANDS
	16	11	29	28.8	16.291	N	120.496	E	33	N	4.8		1.4	35	LUZON, PHILIPPINE ISLANDS
	16	11	39	47.3*	16.203	N	120.473	E	33	N	4.7		1.4	19	LUZON, PHILIPPINE ISLANDS
	16	11	45	13.6?	16.19	N	120.74	E	33	N	4.4		1.2	8	LUZON, PHILIPPINE ISLANDS
	16	12	17	09.8*	16.345	N	121.191	E	33	N	4.6		1.0	14	LUZON, PHILIPPINE ISLANDS
	16	12	18	36.9	16.076	N	120.983	E	33	N	4.8		1.2	46	LUZON, PHILIPPINE ISLANDS
	16	12	32	05.9	16.208	N	120.797	E	33	N	5.0		1.3	42	LUZON, PHILIPPINE ISLANDS
	16	12	35	11.1	39.299	N	141.877	E	68		5.0		0.9	96	HONSHU, JAPAN
	16	13	02	41.8	15.746	N	121.224	E	33	N	5.4	4.7	1.1	152	LUZON, PHILIPPINE ISLANDS
	16	13	07	20.5&	59.277	N	151.794	W	63		3.6			48	KENAI PENINSULA, ALASKA. <AGS-P>. Felt (III) at Homer.
	16	13	17	37.5*	16.226	N	120.375	E	33	N	4.9		1.2	23	LUZON, PHILIPPINE ISLANDS
	16	13	27	27.6*	15.820	N	120.882	E	33	N	4.4		0.9	7	LUZON, PHILIPPINE ISLANDS
	16	13	31	13.2	16.285	N	120.457	E	13	D	5.5	5.7	1.0	223	LUZON, PHILIPPINE ISLANDS
	16	13	40	22.3	16.304	N	120.505	E	33	N	4.9		1.1	24	LUZON, PHILIPPINE ISLANDS
	16	13	43	38.9?	15.53	N	120.86	E	33	N	4.5		1.3	7	LUZON, PHILIPPINE ISLANDS
	16	13	44	15.7?	15.19	S	173.60	W	33	N	4.7		0.8	19	TONGA ISLANDS
	16	14	17	32.2?	15.46	N	121.00	E	33	N	4.5		0.9	7	LUZON, PHILIPPINE ISLANDS
	16	14	23	54.5?	17.11	N	120.53	E	33	N	4.1		0.9	7	LUZON, PHILIPPINE ISLANDS
	16	14	44	30.6?	40.88	N	29.44	E	5	G			0.5	4	TURKEY
	16	14	51	35.7	32.460	S	69.958	W	102	D	5.7		1.2	238	MENDOZA PROVINCE, ARGENTINA. Felt (VI) at Calera, Illapel, Los Molles and Salamanca; (V) at Cabilda, Combarbolo, Farellones, La Ligua, Los Andes, Santiago, Valle Nevodo and Vicuna; (IV) at Andacalla, Mincha and Valporaiso; (III) at La Serena and (II) at Talca, Chile. Also felt (IV) at Mendaza, Argentino.
	16	14	57	48.6%	44.388	N	7.389	E	10	G			0.3	5	NORTHERN ITALY. ML 1.9 (GEN).
	16	15	04	27.0	16.310	N	120.443	E	33	N	5.4	5.0	0.9	108	LUZON, PHILIPPINE ISLANDS
	16	15	04	31.5	32.530	S	70.148	W	98	?			0.5	13	CHILE-ARGENTINA BORDER REGION
	16	15	08	07.6?	16.51	N	120.62	E	33	N	5.3		1.2	7	LUZON, PHILIPPINE ISLANDS
	16	15	09	04.3	40.692	N	15.741	E	10	G			1.4	14	SOUTHERN ITALY
	16	15	18	13.0?	16.12	N	120.37	E	33	N	4.5		1.6	6	LUZON, PHILIPPINE ISLANDS
	16	15	20	16.2%	36.277	N	27.147	E	33	N			1.1	7	DODECANESE ISLANDS
	16	15	32	14.8	15.606	N	121.353	E	33	N	4.9		1.1	56	LUZON, PHILIPPINE ISLANDS
	16	15	46	34.8?	16.05	N	120.35	E	33	N	4.5		1.0	7	LUZON, PHILIPPINE ISLANDS
	16	15	51	07.0?	16.49	N	121.19	E	33	N	4.4		1.5	9	LUZON, PHILIPPINE ISLANDS
	16	16	03	16.8*	17.213	N	120.864	E	33	N	4.6		1.5	18	LUZON, PHILIPPINE ISLANDS
	16	16	14	47.3	13.853	N	120.702	E	176	*	4.7		0.9	36	MINDORO, PHILIPPINE ISLANDS
	16	16	19	34.0	16.338	N	120.424	E	33	N	5.3		1.0	134	LUZON, PHILIPPINE ISLANDS
	16	16	30	46.4*	16.335	N	120.640	E	33	N	4.4		1.3	25	LUZON, PHILIPPINE ISLANDS
	16	16	47	39.7?	16.07	N	120.26	E	33	N	4.5		1.1	7	LUZON, PHILIPPINE ISLANDS
	16	16	48	26.2?	34.49	S	70.57	W	90	G			1.5	6	CHILE-ARGENTINA BORDER REGION
	16	16	53	37.6	15.802	N	121.258	E	33	N	4.7		1.3	30	LUZON, PHILIPPINE ISLANDS
	16	17	02	27.1*	16.315	N	120.607	E	33	N	4.6		1.1	19	LUZON, PHILIPPINE ISLANDS
	16	17	25	22.5*	15.753	N	121.294	E	33	N	4.8		1.2	24	LUZON, PHILIPPINE ISLANDS
	16	17	39	40.1*	15.999	N	121.127	E	33	N	4.6		1.4	15	LUZON, PHILIPPINE ISLANDS
	16	17	44	17.1?	11.31	S	167.75	E	104	?	4.2		0.9	9	SANTA CRUZ ISLANDS
	16	17	51	50.2?	30.31	S	67.75	W	33	N			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	16	18	03	04.6?	15.61	N	121.19	E	33	N	4.3		0.6	9	LUZON, PHILIPPINE ISLANDS
	16	18	10	36.6	28.472	N	57.048	E	33	N	4.4		0.7	20	SOUTHERN IRAN
	16	18	26	30.7?	16.39	N	120.72	E	33	N	4.5		1.5	6	LUZON, PHILIPPINE ISLANDS
	16	18	56	05.2	38.859	N	21.921	E	10	G			1.3	21	GREECE. ML 3.2 (ATH), 3.0 (THE).
	16	19	06	13.9	14.477	S	72.991	W	95	*			0.5	13	PERU. Felt at Nozco and Paracas.
o	16	19	14	51.7	24.249	N	121.818	E	19	D	5.5	5.8	1.0	282	TAIWAN. Felt at Toipei.
	16	19	19	11.4?	1.05	N	100.10	E	224	?	4.3		0.9	7	NORTHERN SUMATERA
	16	19	29	50.3	24.163	N	121.916	E	10	G	4.2		1.3	15	TAIWAN
o	16	19	45	25.1	16.365	N	120.546	E	33	N	5.4	5.3	0.9	192	LUZON, PHILIPPINE ISLANDS
	16	19	48	05.5?	31.90	S	69.02	W	94	?			0.2	7	SAN JUAN PROVINCE, ARGENTINA
	16	20	13	43.1*	46.435	N	17.038	E	10	G			0.3	6	HUNGARY. ML 1.9 (LJU).
	16	20	14	04.0?	16.46	N	120.60	E	33	N	4.3		1.4	6	LUZON, PHILIPPINE ISLANDS
	16	20	16	02.8	16.425	N	120.547	E	13	D	5.2		1.4	85	LUZON, PHILIPPINE ISLANDS. Felt (III RF) at Santa.
	16	20	31	24.9	17.519	N	121.048	E	33	N	5.1	4.8	1.2	121	LUZON, PHILIPPINE ISLANDS
	16	20	35	07.3?	17.30	N	120.86	E	33	N	4.5		1.5	8	LUZON, PHILIPPINE ISLANDS
	16	20	44	18.4	15.470	N	121.317	E	33	N	5.0		1.1	68	LUZON, PHILIPPINE ISLANDS
	16	20	55	14.5?	15.30	N	121.04	E	33	N	4.3		0.8	6	LUZON, PHILIPPINE ISLANDS
	16	21	09	14.9?	17.93	S	178.42	W	574	*	4.9		1.3	22	FIJI ISLANDS REGION
	16	21	26	21.3	16.281	N	120.488	E	33	N	5.0	4.6	1.1	69	LUZON, PHILIPPINE ISLANDS
	16	21	27	14.8?	16.47	N	120.32	E	33	N	5.0		1.1	10	LUZON, PHILIPPINE ISLANDS
	16	21	28	42.7?	15.40	N	121.58	E	33	N	4.8		0.9	7	LUZON, PHILIPPINE ISLANDS
	16	21	29	57.5*	16.121	N	120.190	E	25	D	4.9	4.8	1.6	39	LUZON, PHILIPPINE ISLANDS
	16	21	39	30.5*	16.121	N	120.978	E	33	N	4.4		0.5	8	LUZON, PHILIPPINE ISLANDS
	16	22	14	35.9?	16.48	N	121.04	E	33	N	4.1		0.3	4	LUZON, PHILIPPINE ISLANDS
	16	22	44	30.2&	60.048	N	153.188	W	128					43	SOUTHERN ALASKA. <AGS-P>.
	16	23	30	14.4*	36.665	N	141.602	E	33	N	4.1		1.2	14	NEAR EAST COAST OF HONSHU, JAPAN
	16	23	57	18.0*	36.513	N	25.520	E	10	G			0.6	7	DODECANESE ISLANDS. ML 3.5 (ATH).
	17	00	06	53.5	17.155	N	120.962	E	33	N	4.8	4.8	1.2	52	LUZON, PHILIPPINE ISLANDS
	17	00	18	39.7	15.316	N	147.112	E	27	D	5.4	4.7	0.9	130	MARIANA ISLANDS REGION
	17	00	22	43.7?	17.44	N	121.20	E	33	N	4.4	4.2	0.5	8	LUZON, PHILIPPINE ISLANDS
	17	00	31	06.2*	16 067	N	120.620	E	33	N	4.9		0.8	20	LUZON, PHILIPPINE ISLANDS
	17	00	35	10.9*	36.576	N	25.399	E	10	G			1.2	8	DODECANESE ISLANDS. ML 3.4 (ATH).
	17	01	28	23.7?	21.24	S	178.22	W	419	?	4.1		0.7	15	FIJI ISLANDS REGION
	17	02	10	53.9?	16.32	N	121.39	E	33	N	4.3		1.2	10	LUZON, PHILIPPINE ISLANDS
	17	02	45	04.5*	15 883	N	121.039	E	33	N	4.5		1.2	12	LUZON, PHILIPPINE ISLANDS
	17	03	37	27.8*	48.779	N	131.908	E	33	N	4.6		1.4	23	E. USSR-N.E. CHINA BORDER REG.
	17	03	39	35.8&	36.903	N	121.712	W	11					19	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=6.2*10**14 Nm (BRK). Felt (IV) at Aromos and Wotsanville; (III) at Moss Londing.

	17	03	59	53.7*	15.697	N	121.179	E	33	N	4.8		1.1	12	LUZON, PHILIPPINE ISLANDS
	17	04	02	09.2	37.137	N	49.979	E	33	N	4.6		0.9	22	CASPIAN SEA
a	17	04	05	22.1	0.294	S	122.761	E	95		5.3		1.1	71	MINAHASSA PENINSULA
	17	04	46	04.2*	15.351	N	121.364	E	33	N	4.7	4.1	1.4	24	LUZON, PHILIPPINE ISLANDS
	17	05	05	37.4%	31.309	S	68.691	W	100	G			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	17	05	09	17.7*	32.410	S	70.309	W	116	?			0.2	9	CHILE-ARGENTINA BORDER REGION
	17	05	12	58.5	30.562	S	121.394	E	10	G			0.3	6	WESTERN AUSTRALIA
	17	05	26	08.3*	17.337	N	120.901	E	33	N	4.4		1.2	12	LUZON, PHILIPPINE ISLANDS
a	17	06	11	12.7	16.248	N	120.985	E	13	D	5.2	4.6	1.4	91	LUZON, PHILIPPINE ISLANDS
	17	06	17	55.0%	60.708	N	5.582	E	5	G			0.3	8	SOUTHERN NORWAY. MD 1.8 (BER).
	17	07	07	44.3?	33.25	S	70.88	W	70	?			0.2	6	CHILE-ARGENTINA BORDER REGION
	17	07	20	24.8	1.205	N	121 501	E	33	N	5.1		1.2	29	MINAHASSA PENINSULA
	17	08	00	11.3?	16.35	N	121.80	E	33	N			0.7	14	LUZON, PHILIPPINE ISLANDS. Felt (I RF) at Pasuquin.
	17	08	09	09.0?	38.17	N	21.92	E	10	G			1.0	7	GREECE. ML 3.0 (THE).
	17	08	10	09.8%	40.127	N	29.308	E	10	G			0.5	8	TURKEY
	17	08	56	18.3?	39.61	N	29.37	E	10	G			1.1	4	TURKEY
	17	09	03	38.8%	40.752	N	29.395	E	10	G			1.0	6	TURKEY
	17	09	30	36.1*	16.115	N	120.483	E	33	N	4.6		1.0	23	LUZON, PHILIPPINE ISLANDS
	17	10	03	29.5?	33.47	S	70.07	W	105	?			0.5	10	CHILE-ARGENTINA BORDER REGION
	17	10	21	16.9*	36.486	N	70.635	E	196	?	4.2		1.2	16	HINDU KUSH REGION
	17	10	30	37.4	45.594	N	10.143	E	10	G			1.1	19	NORTHERN ITALY. ML 2.7 (VIE).
	17	10	59	13.9*	15.689	N	121.198	E	33	N	4.6	4.1	1.2	14	LUZON, PHILIPPINE ISLANDS
	17	11	23	32.9*	15.553	N	93.623	W	33	N	4.5		1.0	23	NEAR COAST OF CHIAPAS, MEXICO. MD 4.8 (UNM).
	17	11	34	42.4*	24.008	S	179.737	E	550	G	4.2		0.9	17	SOUTH OF FIJI ISLANDS
	17	11	49	13.2&	60.055	N	152.815	W	101					26	SOUTHERN ALASKA. <AGS-P>.
	17	11	49	20.6	32.548	S	70.152	W	110	G			0.6	12	CHILE-ARGENTINA BORDER REGION
	17	11	56	40.6?	15.62	N	121.40	E	33	N	4.4		0.8	5	LUZON, PHILIPPINE ISLANDS
	17	12	49	04.0?	16.19	N	120.77	E	33	N	4.5		0.9	4	LUZON, PHILIPPINE ISLANDS
	17	13	03	17.7%	37.865	N	14.952	E	10	G			0.7	9	SICILY
	17	13	15	25.9	46.499	N	37.033	E	33	N	4.2		1.5	21	SOUTHWESTERN USSR
	17	13	27	51.4*	24.199	N	121.880	E	10	G			1.4	6	TAIWAN
	17	13	39	26.5%	39.693	N	15.717	E	10	G			0.7	5	SOUTHERN ITALY
	17	13	53	32.5?	42.53	N	23.99	E	10	G			0.5	8	BULGARIA. ML 2.6 (THE).
	17	14	07	37.4*	4.205	S	141.374	E	96	?	4.0		0.7	10	PAPUA NEW GUINEA
	17	14	21	39.2	40.411	N	23.883	E	5	G			0.7	11	GREECE. ML 2.6 (THE).
	17	14	31	04.2&	60.126	N	151.839	W	72					37	KENAI PENINSULA, ALASKA. <AGS-P>.
	17	14	55	56.0*	16.223	N	121.310	E	33	N	4.6	3.9	1.3	17	LUZON, PHILIPPINE ISLANDS
	17	15	09	35.8%	41.305	N	15.887	E	10	G			0.4	6	SOUTHERN ITALY
	17	15	30	07.5	32.263	S	71.384	W	33	N			0.5	13	NEAR COAST OF CENTRAL CHILE
	17	15	54	28.0?	16.08	N	120.61	E	33	N	4.3		1.4	7	LUZON, PHILIPPINE ISLANDS
	17	16	24	32.0*	16.380	N	121.040	E	33	N	4.5	3.8	1.3	20	LUZON, PHILIPPINE ISLANDS
	17	17	53	37.0?	36.97	S	176.43	E	239	?	4.6		1.1	15	OFF E. COAST OF N. ISLAND, N.Z.
	17	17	59	06.6%	33.881	S	70.482	W	10	G			0.6	6	CHILE-ARGENTINA BORDER REGION
	17	18	01	45.0?	26.18	N	128.59	E	33	N	4.1		1.1	6	RYUKYU ISLANDS
a	17	18	06	35.3	16.433	N	120.838	E	18	D	5.5	6.0	1.3	230	LUZON, PHILIPPINE ISLANDS. Felt in the Manila area.
	17	18	33	39.5?	16.08	N	119.92	E	33	N	4.3		1.2	6	LUZON, PHILIPPINE ISLANDS
	17	18	48	51.6	17.377	N	121.053	E	33	N	5.0		1.2	53	LUZON, PHILIPPINE ISLANDS
	17	19	21	35.9%	44.309	N	6.694	E	10	G			0.4	6	FRANCE. ML 2.1 (GEN).
	17	19	23	54.0%	44.774	N	7.262	E	5	G			0.7	5	NORTHERN ITALY. ML 1.9 (GEN).
	17	20	29	01.6*	16.072	N	120.819	E	33	N	4.6	4.1	1.4	30	LUZON, PHILIPPINE ISLANDS
f	17	21	14	43.8	16.495	N	120.981	E	23	G	6.1	6.6	1.3	483	LUZON, PHILIPPINE ISLANDS. Ms 6.0 (PAS). Mo=1.6*10**19 Nm (PPT). Felt in the Manila area. Depth from broadband displacement seismograms.
	17	21	40	11.3	16.252	N	120.922	E	33	N	5.0		0.9	33	LUZON, PHILIPPINE ISLANDS
	17	21	47	28.9	17.277	N	120.868	E	33	N	5.0		1.4	58	LUZON, PHILIPPINE ISLANDS
	17	21	54	21.0*	15.619	N	121.557	E	33	N	4.8		1.5	19	LUZON, PHILIPPINE ISLANDS
	17	22	00	56.4?	16.56	N	121.24	E	33	N	4.3		0.7	5	LUZON, PHILIPPINE ISLANDS
	17	22	02	28.5?	16.21	N	120.02	E	33	N	4.2		1.5	6	LUZON, PHILIPPINE ISLANDS
	17	22	03	28.0	16.377	N	121.103	E	33	N	4.8		1.1	38	LUZON, PHILIPPINE ISLANDS
	17	22	07	37.9?	16.02	N	120.41	E	33	N	4.5		0.8	8	LUZON, PHILIPPINE ISLANDS
	17	22	16	44.1?	16.34	N	121.00	E	33	N	4.4		1.0	6	LUZON, PHILIPPINE ISLANDS
	17	22	26	13.2	16.338	N	121.063	E	33	N	4.7		1.0	30	LUZON, PHILIPPINE ISLANDS
	17	22	29	53.0	16.343	N	121.235	E	33	N	5.0		1.2	54	LUZON, PHILIPPINE ISLANDS
	17	22	32	36.5*	16.287	N	120.986	E	33	N	4.7		1.4	18	LUZON, PHILIPPINE ISLANDS
	17	22	39	50.5	16.212	N	120.959	E	33	N	5.0		1.0	56	LUZON, PHILIPPINE ISLANDS
	17	22	46	04.0	16.420	N	120.870	E	33	N	5.0		1.5	48	LUZON, PHILIPPINE ISLANDS
	17	23	16	57.8*	16.451	N	121.247	E	33	N	4.9		1.4	26	LUZON, PHILIPPINE ISLANDS
	17	23	19	46.0	16.173	N	120.546	E	33	N	4.8		0.7	45	LUZON, PHILIPPINE ISLANDS
	18	00	01	11.0%	40.274	N	28.822	E	10	G			0.8	5	TURKEY
	18	00	10	29.2	46.176	N	16.540	E	10	G			1.2	37	YUGOSLAVIA. ML 3.8 (BRA), 3.7 (VKA), 3.3 (ZAG). Felt at Kamesnica, Kaprivnica, Ludberg and Varazdin.
	18	00	50	41.0%	39.950	N	22.462	E	10	G			0.5	9	GREECE. ML 1.9 (THE).
	18	01	32	28.1*	16.307	N	121.357	E	33	N	4.6		1.3	10	LUZON, PHILIPPINE ISLANDS
	18	01	33	05.5&	37.097	N	113.574	W	4					3	UTAH. <SLC-P>. CL 3.1 (SLC).
	18	01	35	12.3	16.482	N	120.993	E	19	D	5.1	4.6	1.2	101	LUZON, PHILIPPINE ISLANDS
	18	01	56	50.4	16.402	N	121.092	E	33	N	5.2	4.8	1.4	108	LUZON, PHILIPPINE ISLANDS
	18	02	01	12.9	16.537	N	120.709	E	33	N	4.9		1.1	37	LUZON, PHILIPPINE ISLANDS
	18	02	19	17.5*	44.664	N	146.667	E	33	N	4.6		0.7	15	KURIL ISLANDS
	18	02	40	21.8?	16.29	N	120.83	E	33	N	4.5		1.5	5	LUZON, PHILIPPINE ISLANDS
	18	02	44	05.7?	15.92	N	120.36	E	33	N	4.4		1.4	9	LUZON, PHILIPPINE ISLANDS
	18	02	47	03.9*	41.507	N	98.954	W	5	G			1.6	7	NEBRASKA. mbLg 3.0 (NEIS), 3.0 (TUL). Felt (V) at Arcadia; (IV) at Ord, North Loup, Sargent and Westerville; (III) at Ashton, Burwell, Comstock, Elyria, Loup City and Taylor.
	18	02	58	43.5?	16.19	N	120 17	E	33	N	4.4		0.9	7	LUZON, PHILIPPINE ISLANDS
	18	02	58	45.2?	34.77	S	70.49	W	80	G			1.6	7	CHILE-ARGENTINA BORDER REGION
	18	03	14	28.4?	16.88	N	61.65	W	33	N			1.1	4	LEEWARD ISLANDS. ML 2.2 (FDF).
	18	03	39	29.2*	41.209	S	88.882	W	10	G	4.9		1.3	41	WEST CHILE RISE
	18	04	29	07.1?	31.53	S	69.09	W	109	?			0.3	6	SAN JUAN PROVINCE, ARGENTINA
	18	04	36	13.3	14.440	N	121.776	E	24	D	4.9	4.2	1.1	39	LUZON, PHILIPPINE ISLANDS
	18	04	37	51.8	14.343	N	121.815	E	28	D	5.1	4.4	1.1	43	LUZON, PHILIPPINE ISLANDS
	18	04	57	17.7?	16.32	N	121.43	E	33	N	4.5		1.1	5	LUZON, PHILIPPINE ISLANDS
a	18	05	18	29.9	12.615	N	87.386	W	58	D	4.7		1.3	147	NEAR COAST OF NICARAGUA. Felt in eastern El Salvador

															and (II) at San Salvador.
	18	05	42	41.5?	31.35	S	68.68	W	74	?		0.1	5		SAN JUAN PROVINCE, ARGENTINA
	18	05	47	38.8?	16.29	N	121.02	E	33	N	4.4	0.9	8		LUZON, PHILIPPINE ISLANDS
	18	06	24	35.2?	46.10	N	152.19	E	33	N	4.5	1.6	9		KURIL ISLANDS
	18	06	24	56.7*	16.218	N	120.405	E	33	N	4.7 4.5	1.2	32		LUZON, PHILIPPINE ISLANDS
	18	06	26	08.2*	16.373	N	121.013	E	33	N	4.6	1.0	12		LUZON, PHILIPPINE ISLANDS
	18	06	30	44.8*	1.403	N	123.336	E	45	*	4.8	1.6	20		MINAHASSA PENINSULA
	18	06	32	05.5?	61.85	N	4.28	E	5	G		0.3	4		SOUTHERN NORWAY. MD 2.1 (BER).
	18	06	37	27.2*	16.227	N	120.998	E	33	N	4.5	0.8	10		LUZON, PHILIPPINE ISLANDS
	18	07	12	49.3*	24.202	N	121.734	E	33	N		0.6	5		TAIWAN
	18	07	17	15.6	16.543	N	120.760	E	31	D	5.2 4.8	1.2	88		LUZON, PHILIPPINE ISLANDS
a	18	08	00	12.8	16.511	N	121.007	E	14	G	5.8 5.3	1.0	327		LUZON, PHILIPPINE ISLANDS. Depth from broadband displacement seismograms.
	18	08	17	12.2?	16.15	N	120.27	E	33	N	4.5	0.4	4		LUZON, PHILIPPINE ISLANDS
	18	08	45	00.9&	60.034	N	152.058	W	84		3.8		52		SOUTHERN ALASKA. <AGS-P>. Felt (III) at Homer.
	18	09	14	58.7?	29.97	S	68.40	W	33	N		1.4	6		SAN JUAN PROVINCE, ARGENTINA
	18	09	26	42.6	42.909	N	18.251	E	10	G		0.6	6		YUGOSLAVIA. ML 2.6 (TTG).
	18	09	38	22.3	24.177	N	121.800	E	22		4.4	1.2	25		TAIWAN. ML 4.2 (BJI).
	18	10	03	19.3*	12.204	N	121.019	E	33	N	4.8	0.8	13		MINDORO, PHILIPPINE ISLANDS
	18	10	16	40.8?	16.33	N	120.68	E	33	N	4.6	1.1	7		LUZON, PHILIPPINE ISLANDS
	18	10	58	53.0*	55.452	N	111.489	E	20	D	4.3	1.2	18		LAKE BAIKAL REGION
	18	11	03	32.3*	26.811	S	26.701	E	5	G	4.7	1.1	14		REPUBLIC OF SOUTH AFRICA. mbLg 3.9 (BUL).
	18	11	13	19.0	34.435	N	24.813	E	10	G	4.1	1.2	18		CRETE. MD 4.2 (ATH).
a	18	11	29	24.9	36.990	N	29.595	E	17	D	5.2 5.1	1.2	346		TURKEY. MD 5.0 (ATH). At least 393 hauses damaged in the Cameli-Denizli area. Felt in Antalya, Denizli, Isparta and Mugla Provinces.
	18	11	38	37.7	37.028	N	29.584	E	10	G		1.0	37		TURKEY. MD 4.3 (HLW), 4.1 (ATH). Felt at Burdur and Denizli.
	18	11	45	29.1?	35.01	N	24.60	E	5	G		1.1	4		CRETE
	18	11	58	36.9	37.055	N	29.538	E	10	G	4.2	1.1	55		TURKEY. MD 4.1 (ATH).
	18	12	06	11.8*	32.549	S	70.136	W	113	?		0.6	13		CHILE-ARGENTINA BORDER REGION
	18	12	14	12.0*	32.566	S	70.146	W	111	?		0.5	11		CHILE-ARGENTINA BORDER REGION
	18	12	15	01.3*	32.618	S	70.087	W	135	*		0.7	14		CHILE-ARGENTINA BORDER REGION
	18	12	15	50.8?	37.07	N	29.47	E	10	G		0.4	4		TURKEY
	18	13	09	03.2?	1.35	N	127.07	E	129	*	4.9	1.1	13		HALMAHERA
	18	13	19	56.6	40.310	N	25.810	E	10	G		1.3	19		AEGEAN SEA
	18	13	41	57.7*	31.107	N	70.166	E	33	N	4.1	1.2	11		PAKISTAN
	18	13	56	53.4	24.875	S	176.347	W	33	N	5.2	1.0	41		SOUTH OF FIJI ISLANDS
	18	13	59	53.3%	36.956	N	29.497	E	10	G		0.4	5		TURKEY
	18	14	24	00.4%	37.015	N	29.464	E	10	G		0.3	8		TURKEY
	18	14	47	43.1%	39.131	N	27.621	E	10	G		0.3	6		TURKEY
	18	14	51	53.6?	16.58	S	71.94	W	157	*	3.9	1.2	13		SOUTHERN PERU
	18	14	53	26.7&	59.760	N	153.511	W	123		3.4		47		SOUTHERN ALASKA. <AGS-P>.
	18	14	56	28.7	37.047	N	29.548	E	22			1.1	40		TURKEY. MD 4.2 (HLW), 4.0 (ATH).
	18	14	59	18.5*	16.421	N	121.288	E	33	N	4.5	1.2	10		LUZON, PHILIPPINE ISLANDS
	18	15	03	12.4?	36.99	N	29.49	E	10	G		0.5	4		TURKEY
	18	15	04	44.2&	58.183	N	142.690	W	10	G			21		GULF OF ALASKA. <AGS-P>.
	18	15	05	52.2%	36.970	N	29.455	E	10	G		0.6	6		TURKEY
	18	15	18	02.5%	36.971	N	29.435	E	10	G		0.5	6		TURKEY
	18	15	32	19.0%	37.628	N	36.112	E	10	G		1.1	6		TURKEY
a	18	15	39	29.4	0.435	N	125.469	E	84	*	5.0	1.0	62		MOLUCCA PASSAGE
	18	15	49	23.6%	37.123	N	29.495	E	10	G		1.6	5		TURKEY
	18	15	55	55.2%	36.944	N	29.434	E	10	G		0.8	6		TURKEY
	18	16	06	23.3	16.308	N	120.926	E	33	N	4.9 4.2	0.9	53		LUZON, PHILIPPINE ISLANDS
	18	16	25	27.6%	36.975	N	29.446	E	10	G		0.6	7		TURKEY
a	18	16	38	06.1	0.872	N	127.033	E	52	*	5.2 4.5	1.1	87		HALMAHERA
	18	16	40	17.0?	14.67	N	60.44	W	26	*		0.2	6		WINDWARD ISLANDS. ML 3.2 (FDF).
a	18	17	21	47.0	6.820	S	130.601	E	97		5.7	1.0	272		BANDA SEA
	18	17	41	15.6%	36.989	N	29.476	E	10	G		1.1	5		TURKEY
	18	17	42	11.0?	15.73	N	119.41	E	33	N	4.4 4.0	1.6	14		LUZON, PHILIPPINE ISLANDS
	18	17	50	49.3&	61.386	N	147.040	W	14				39		SOUTHERN ALASKA. <AGS-P>.
	18	18	02	29.3	37.013	N	29.532	E	10	G		1.0	24		TURKEY. MD 3.8 (ATH).
	18	18	22	33.5%	36.984	N	29.507	E	10	G		1.4	6		TURKEY
	18	19	15	48.4	36.722	N	6.119	W	10	G		1.3	20		STRAIT OF GIBRALTAR. mbLg 3.7 (MDD). Felt (III) at Jerez de la Frontera and Puerta de Santa Maria, Spain.
	18	19	36	14.2?	37.01	N	29.48	E	10	G		1.4	4		TURKEY
	18	20	09	15.2*	51.459	N	5.205	E	10	G		0.7	7		NETHERLANDS. MD 2.6 (UCC). ML 2.5 (BNS).
	18	20	10	21.9	12.642	N	123.585	E	33	N	5.0 4.6	1.1	51		LUZON, PHILIPPINE ISLANDS
	18	20	17	58.4?	48.22	N	0.26	W	10	G		0.3	4		FRANCE. ML 2.2 (LDG).
	18	20	44	43.5?	31.13	S	69.19	W	120	G		1.1	11		SAN JUAN PROVINCE, ARGENTINA
	18	21	17	25.9%	36.972	N	29.481	E	10	G		0.6	5		TURKEY
	18	21	26	24.5%	36.985	N	29.446	E	10	G		1.2	6		TURKEY
	18	21	59	24.0	32.465	S	70.223	W	110	G		0.3	11		CHILE-ARGENTINA BORDER REGION
	18	22	36	41.3*	37.314	N	70.887	E	33	N	4.2	1.2	7		AFGHANISTAN-USSR BORDER REGION
	18	23	54	29.8	46.073	N	27.068	E	31			1.4	12		ROMANIA
	19	00	07	59.3%	46.028	N	27.018	E	33	N		1.5	5		ROMANIA
	19	00	40	17.7%	46.064	N	27.027	E	33	N		1.3	6		ROMANIA
	19	00	40	56.5%	36.995	N	29.480	E	10	G		0.8	7		TURKEY
	19	01	27	35.3%	37.825	N	15.182	E	10	G		1.0	7		SICILY
	19	01	51	45.2%	39.695	N	27.541	E	10	G		0.5	5		TURKEY
	19	02	01	58.4%	64.103	N	5.441	E	10	G		1.0	13		NORWEGIAN SEA. MD 3.2 (BER).
	19	02	04	05.6?	41.25	N	14.82	E	10	G		0.2	4		SOUTHERN ITALY
	19	02	43	36.1%	40.443	N	26.123	E	10	G		0.5	8		TURKEY
	19	03	03	07.3?	37.01	N	29.49	E	10	G		0.2	4		TURKEY
	19	03	10	11.6?	39.44	N	28.44	E	10	G		0.4	5		TURKEY
	19	03	25	39.9%	36.949	N	29.444	E	10	G		1.3	6		TURKEY
	19	03	36	47.8*	32.470	S	70.250	W	105	?		0.5	10		CHILE-ARGENTINA BORDER REGION
	19	03	47	39.1&	40.810	N	121.852	W	22				3		NORTHERN CALIFORNIA. <BRK>. ML 2.5 (BRK).
	19	03	48	28.4?	34.01	S	70.14	W	10	G		0.1	4		CHILE-ARGENTINA BORDER REGION
	19	03	53	41.9*	15.766	N	121.416	E	33	N	4.6	1.2	9		LUZON, PHILIPPINE ISLANDS
	19	03	55	22.5*	31.744	S	69.935	W	130	G		0.4	11		SAN JUAN PROVINCE, ARGENTINA
	19	04	08	00.6	46.230	N	27.050	E	52	*	3.3	1.5	24		ROMANIA. Felt (IV) in the epicentral area. Also felt at Adjud, Facsani, Odabesti and Vrinciaaia.

	19	04	25	31	9*	8.741	N	122.274	E	33	N	4.6		1.0	12	MINDANAO, PHILIPPINE ISLANDS
	19	04	26	27.8%		33.473	S	71.330	W	33	N			0.5	5	NEAR COAST OF CENTRAL CHILE
	19	04	32	14.5?		20.69	S	178.22	W	544	?	4.3		0.6	12	FIJI ISLANDS REGION
	19	05	10	37.8		36.636	N	6.136	W	10	G			0.5	8	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD). Felt (III) at Jerez de la Frontera and Puerto de Santa Maria, Spain.
	19	05	46	07.4%		36.913	N	29.397	E	10	G			1.2	5	TURKEY
	19	05	54	54.9?		36.95	N	29.49	E	10	G			0.2	4	TURKEY
	19	06	24	29.7?		13.38	N	61.25	W	117	?			0.5	10	WINDWARD ISLANDS. MD 3.2 (TRN).
	19	06	39	04.0?		37.00	N	29.50	E	10	G			0.1	4	TURKEY
	19	06	43	53.9*		37.604	N	21.045	E	5	G			1.4	21	SOUTHERN GREECE. ML 3.8 (THE), 3.6 (ATH).
	19	07	02	30.6%		44.235	N	7.437	E	5	G			0.2	7	NORTHERN ITALY. ML 1.9 (GEN).
	19	07	14	33.6&		40.442	N	126.415	W	7					9	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	19	07	36	22.1%		41.486	N	14.309	E	10	G			0.5	6	SOUTHERN ITALY
	19	07	52	55.5?		15.62	N	120.72	E	33	N	4.5		0.5	8	LUZON, PHILIPPINE ISLANDS
	19	08	55	10.6		16.216	N	120.947	E	33	N	4.9	4.1	1.1	24	LUZON, PHILIPPINE ISLANDS
	19	09	45	26.7		16.266	N	121.077	E	33	N	4.8	3.9	0.9	33	LUZON, PHILIPPINE ISLANDS
	19	10	31	55.7%		40.267	N	28.994	E	10	G			0.6	6	TURKEY
	19	11	01	31.1?		16.33	N	120.87	E	33	N	4.4		1.3	6	LUZON, PHILIPPINE ISLANDS
	19	11	24	58.2?		33.82	S	71.00	W	33	N			1.7	4	CHILE-ARGENTINA BORDER REGION
	19	11	27	02.0*		6.052	S	104.868	E	105	*	4.9		1.4	38	SUNDA STRAIT
	19	11	35	13.2?		43.25	N	23.96	E	10	G			1.2	7	BULGARIA. ML 2.6 (THE).
	19	11	50	53.2		39.180	N	27.572	E	10	G			0.3	4	TURKEY
	19	11	57	22.8		41.424	N	19.937	E	10	G			1.5	7	ALBANIA
	19	12	25	42.8*		34.587	N	23.513	E	79	?	3.9		1.4	19	CRETE. MD 3.9 (ATH).
	19	12	26	23.5*		11.575	S	117.183	E	33	N	3.8		1.1	6	SOUTH OF SUMBAWA ISLAND
	19	12	44	13.2?		34.74	N	23.57	E	80	?	3.9		1.3	7	CRETE. MD 3.8 (ATH).
	19	13	01	21.7%		33.517	S	70.434	W	90	G			0.8	8	CHILE-ARGENTINA BORDER REGION
	19	13	04	21.6?		35.44	N	24.26	E	33	N			0.6	4	CRETE. MD 3.5 (ATH).
	19	13	05	27.0%		41.114	N	28.459	E	10	G			0.8	8	TURKEY
	19	13	49	18.0*		16.244	N	121.018	E	33	N	4.6		1.5	17	LUZON, PHILIPPINE ISLANDS
	19	14	02	41.4%		35.415	N	99.499	E	33	N			0.9	5	QINGHAI PROVINCE, CHINA. ML 3.8 (BJI).
	19	14	14	08.8%		36.945	N	29.433	E	10	G			0.3	5	TURKEY
	19	14	36	51.1?		6.99	S	147.67	E	87	?	4.2		0.2	5	EAST PAPUA NEW GUINEA REGION
	19	14	51	38.2%		36.951	N	29.434	E	10	G			0.5	5	TURKEY
	19	14	57	06.3*		16.382	N	121.127	E	33	N	4.4		0.6	12	LUZON, PHILIPPINE ISLANDS
	19	15	28	28.0?		14.51	N	60.24	W	32	*			0.9	7	WINDWARD ISLANDS. ML 3.3 (FDF).
	19	15	44	21.4		17.322	N	121.042	E	31	D	5.1	4.5	1.0	85	LUZON, PHILIPPINE ISLANDS
	19	15	54	04.1*		16.339	N	121.023	E	33	N	4.4		0.9	10	LUZON, PHILIPPINE ISLANDS
	19	17	06	07.6*		4.256	N	31.544	E	10	G	4.6		0.8	19	SUDAN. mbLg 4.6 (BUL).
	19	17	11	11.5%		40.176	N	28.317	E	10	G			1.0	8	TURKEY
	19	17	51	08.1*		16.476	N	121.367	E	33	N	4.4	3.8	1.2	14	LUZON, PHILIPPINE ISLANDS
	19	19	09	50.8&		32.120	N	115.620	W	6	G				4	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	19	19	25	39.6?		31.23	S	68.23	W	108	?			1.2	13	SAN JUAN PROVINCE, ARGENTINA
	19	19	51	14.3%		36.966	N	29.407	E	10	G			0.2	5	TURKEY
	19	21	22	25.4%		36.991	N	29.440	E	10	G			1.0	8	TURKEY
	19	23	02	03.5		40.837	N	22.430	E	5	G			1.1	15	GREECE. ML 2.1 (SKO).
	19	23	11	05.4%		44.270	N	7.381	E	10	G			0.7	5	NORTHERN ITALY. ML 1.7 (GEN).
	19	23	23	45.4%		37.022	N	29.457	E	10	G			0.4	6	TURKEY
	19	23	38	36.0		46.233	N	7.419	E	10	G			0.4	9	SWITZERLAND. ML 2.2 (LDG).
	20	00	14	36.3%		36.952	N	29.466	E	10	G			1.7	5	TURKEY
	20	00	16	15.0?		40.71	N	30.40	E	10	G			0.9	5	TURKEY
	20	02	04	27.6*		15.737	N	121.412	E	33	N	4.4		1.5	11	LUZON, PHILIPPINE ISLANDS
	20	02	21	06.4?		36.18	N	30.28	E	10	G			0.4	6	TURKEY
	20	02	22	58.0		38.310	N	22.219	E	5	G			1.1	13	GREECE. ML 3.2 (ATH).
a	20	04	05	25.3		4.661	N	82.601	W	10	G	4.9	4.3	0.9	113	SOUTH OF PANAMA
	20	04	13	25.8*		32.150	S	69.315	W	138	?			0.5	15	MENDOZA PROVINCE, ARGENTINA
	20	04	20	48.5&		57.564	N	142.929	W	10	G				35	GULF OF ALASKA. <AGS-P>.
	20	04	22	30.6*		37.550	N	26.914	E	10	G			1.6	5	DODECANESE ISLANDS. MD 3.4 (ATH).
	20	04	59	05.4%		61.649	N	3.269	E	10	G			0.7	10	NORWEGIAN SEA. MD 2.5 (BER).
	20	05	23	15.6%		36.935	N	29.452	E	10	G			0.4	7	TURKEY
	20	05	27	25.2		46.263	N	7.415	E	10	G			0.4	7	SWITZERLAND. ML 2.1 (LDG).
	20	05	35	01.9?		38.51	N	20.79	E	10	G			0.9	4	GREECE. MD 3.1 (ATH).
	20	05	36	20.0%		36.972	N	29.464	E	10	G			0.7	6	TURKEY
	20	06	39	57.1%		36.272	N	27.181	E	10	G			1.2	7	DODECANESE ISLANDS
	20	07	06	23.0*		11.782	S	73.802	W	33	N	4.0		1.7	6	PERU
	20	07	31	01.5		38.269	N	22.031	E	5	G			1.5	10	GREECE ML 3.1 (ATH), 2.7 (THE).
	20	07	48	12.3		34.989	N	33.942	E	50	*			0.8	11	CYPRUS
	20	07	58	19.4*		36.914	N	29.424	E	10	G			1.1	6	TURKEY
	20	08	40	32.7&		34.170	N	117.730	W	5					21	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt (V) at Mt. Baldy; (IV) at Pasadena and Upland; (III) at Claremont, Ontario, Rancho Cucamonga and Rialto.
	20	08	57	05.5?		39.10	N	27.60	E	10	G			1.4	4	TURKEY
	20	08	57	22.0*		15.480	N	121.664	E	33	N	4.6		0.5	7	LUZON, PHILIPPINE ISLANDS
	20	09	00	10.8%		39.069	N	27.659	E	10	G			1.1	5	TURKEY
	20	09	29	53.6&		40.412	N	125.510	W	5					5	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK).
	20	09	36	26.6		32.424	S	69.576	W	132	?			0.6	16	MENDOZA PROVINCE, ARGENTINA
	20	09	56	33.9%		39.636	N	29.351	E	10	G			0.8	5	TURKEY
	20	10	58	51.5?		36.96	N	29.47	E	10	G			0.2	4	TURKEY
	20	11	11	26.1%		36.917	N	29.436	E	10	G			0.8	6	TURKEY
	20	11	16	56.6%		36.966	N	29.499	E	10	G			0.7	5	TURKEY
	20	11	34	12.5?		40.65	N	21.16	E	10	G			0.8	4	GREECE
	20	11	54	56.3*		16.186	N	121.386	E	33	N	4.4	4.0	0.9	12	LUZON, PHILIPPINE ISLANDS
	20	12	02	22.6?		18.05	N	67.45	W	10	G			0.7	6	MONA PASSAGE
	20	12	16	14.7?		42.05	N	24.42	E	10	G			0.5	4	BULGARIA. ML 2.5 (THE).
	20	12	19	41.9?		42.24	N	24.16	E	10	G			1.5	7	BULGARIA
	20	12	24	28.1%		36.962	N	29.468	E	10	G			0.7	5	TURKEY
	20	12	33	06.2?		33.73	S	71.59	W	33	N			1.0	5	NEAR COAST OF CENTRAL CHILE
	20	13	16	42.4?		42.52	N	129.31	W	10	G			0.2	28	OFF COAST OF OREGON
	20	13	39	31.0?		51.69	N	158.20	E	33	N	4.0		0.5	6	NEAR EAST COAST OF KAMCHATKA
	20	13	45	46.9		16.179	N	121.098	E	33	N	4.7	3.9	1.2	32	LUZON, PHILIPPINE ISLANDS
	20	14	42	10.3?		17.96	S	177.34	W	304	?	4.5		1.1	10	FIJI ISLANDS REGION
	20	15	02	38.9		14.556	S	167.311	E	201	*	4.9		1.1	132	VANUATU ISLANDS
a	20	15	11	17.8		16.386	N	120.938	E	17	D	5.5	5.4	1.4	168	LUZON, PHILIPPINE ISLANDS

	20	15	29	58.9	9.323	S	118	186	E	100	*	5.2	1.4	38	SUMBAWA ISLAND REGION
	20	17	22	00 0%	38.137	N	20.739		E	5	G		1.5	6	GREECE. MD 3.3 (ATH).
	20	17	23	47.3%	43.107	N	0.559		W	10	G		0 3	7	PYRENEES. MD 1.0 (STR).
	20	17	30	36.2?	42.10	N	46.77		E	33	N	4.2	1.1	9	EASTERN CAUCASUS
	20	18	03	29.7	3.832	N	95.411		E	47	*	4.8	0.9	43	OFF W COAST OF NORTHERN SUMATERA
	20	18	28	35.2	16.012	N	92.394		W	136	D	4.3	1.3	71	CHIAPAS, MEXICO. MD 4.9 (UNM). Felt at Coban, Guatemala.
	20	18	30	51.0*	27.392	N	55.356		E	33	N	3.9	0.7	6	SOUTHERN IRAN
	20	18	54	03.9	51.439	N	15.821		E	9			0.8	21	POLAND. ML 4.0 (GRF), 3.5 (VIE).
	20	18	59	29.4?	36.99	N	29.50		E	10	G		0.4	4	TURKEY
	20	19	00	28.8	37.021	N	29.498		E	10	G		1.3	12	TURKEY
	20	19	21	56.7*	16.422	N	121.054		E	33	N	4.3	1 3	12	LUZON, PHILIPPINE ISLANDS
	20	19	49	08.3	33.458	N	46.792		E	77	*	4.6	1 0	70	IRAN-IRAQ BORDER REGION
	20	20	05	28.4	38.349	N	22.184		E	10	G		1.1	16	GREECE. ML 2.9 (ATH), 2.9 (THE).
	20	20	46	58.1%	36.947	N	29.449		E	10	G		0.8	5	TURKEY
	20	21	58	08.9%	37.009	N	29.490		E	10	G		0.5	5	TURKEY
	20	22	49	45.7	16.221	N	121.124		E	33	N	5.0 4.0	0.9	63	LUZON, PHILIPPINE ISLANDS
	20	22	50	03.4&	60.913	N	151.450		W	67				38	KENAI PENINSULA, ALASKA. <AGS-P>.
	20	22	55	21.1%	36.942	N	29.415		E	10	G		0.4	5	TURKEY
	20	23	10	28.7*	37.194	N	23.076		E	10	G		1.6	7	SOUTHERN GREECE. ML 2.9 (ATH).
	20	23	25	17.8*	31.140	S	68.934		W	110	G		1.0	16	SAN JUAN PROVINCE, ARGENTINA
	21	00	02	31.5&	63.493	N	147.072		W	3				28	CENTRAL ALASKA. <AGS-P>.
	21	00	11	46.5%	39.161	N	27.693		E	10	G		1.2	8	TURKEY
	21	00	20	05.5*	37.018	N	29.495		E	10	G		0.4	9	TURKEY
	21	00	39	51.2?	28.75	S	178.56		W	201	*	4.7	1.2	14	KERMADEC ISLANDS REGION
	21	00	41	53.9	40.525	N	115.919		E	33	N	4.7 4.1	1.4	35	NORTHEASTERN CHINA. ML 4.9 (BJI).
	21	00	42	09.2*	36.982	N	29.459		E	10	G		0.6	5	TURKEY
	21	02	30	05.0%	40.464	N	29.173		E	10	G		1.1	5	TURKEY
	21	03	27	29.8	41.636	N	140.349		E	162	*	4.3	0.9	30	HOKKAIDO, JAPAN REGION
	21	04	09	17.2	16.364	N	121.001		E	33	N	4.8 3.9	1.1	30	LUZON, PHILIPPINE ISLANDS
	21	04	20	21.6%	60.880	N	3.277		E	10	G		1.3	6	NORTH SEA. MD 1.7 (BER).
	21	04	24	31.8%	44.625	N	7.254		E	10	G		0.4	6	NORTHERN ITALY. ML 1.7 (GEN).
	21	04	43	28.1&	63.719	N	148.809		W	14				21	CENTRAL ALASKA. <AGS-P>.
	21	05	00	56.5*	32.417	S	69.492		W	30	*		1.3	13	MENDOZA PROVINCE, ARGENTINA
	21	05	44	27.6?	11.15	N	144.35		E	33	N	4.1	1.3	10	SOUTH OF MARIANA ISLANDS
	21	06	32	33.3?	43.40	N	128.68		W	10	G		0.3	41	OFF COAST OF OREGON
	21	06	43	15.9*	51.059	N	15.774		E	10	G		1.2	6	POLAND. ML 2.7 (KRA).
	21	06	54	20.4?	65.91	N	156.13		W	33	N		0.2	5	ALASKA. ML 3.3 (PMR).
	21	07	15	58.4&	60.656	N	151.115		W	49				26	KENAI PENINSULA, ALASKA. <AGS-P>.
	21	07	17	07.3?	16.25	N	120.81		E	33	N	4.3	1.5	10	LUZON, PHILIPPINE ISLANDS
a	21	07	23	35.8	16.400	N	120.919		E	26	D	5.4 5.5	1.1	169	LUZON, PHILIPPINE ISLANDS
	21	07	28	33.2	1.877	N	128.313		E	210	*	5.1	0.9	17	HALMAHERA
	21	07	45	09.1?	32.28	S	69.61		W	120	G		0.4	6	MENDOZA PROVINCE, ARGENTINA
	21	08	06	46.1	36.283	N	27.139		E	10	G		1.0	10	DODECANESE ISLANDS
	21	08	41	05.1*	7.767	S	130.680		E	149	?	4.0	1.0	6	TANIMBAR ISLANDS REGION
	21	08	47	26.0	38.671	N	27.737		E	10	G		1.3	11	TURKEY
	21	08	47	29.8*	29.430	S	71.196		W	108	?		1.2	19	NEAR COAST OF CENTRAL CHILE
	21	11	18	21.7%	39.862	N	28.966		E	10	G		1.6	7	TURKEY
	21	12	06	52.6	23.866	N	121.724		E	29		4.6	0.9	35	TAIWAN
	21	13	27	07.6*	44.309	N	139.481		E	33	N	4.4	1.0	10	EASTERN SEA OF JAPAN
	21	13	40	33.6?	14.35	S	76.78		W	33	N		0.3	6	NEAR COAST OF PERU
	21	13	47	25.4*	36.926	N	29.533		E	23	*		0.7	6	TURKEY
	21	14	06	41.9?	32.38	S	70.23		W	120	G		0.2	8	CHILE-ARGENTINA BORDER REGION
	21	14	43	19.4	46.156	N	14.999		E	10	G		0.9	10	YUGOSLAVIA. MD 3.0 (LJU), 2.6 (TRI). ML 2.6 (VIE). Felt at Zagorje ob Savi.
	21	14	43	49.6	38.674	N	20.582		E	5	G	3.6	1.4	34	GREECE. ML 3.9 (ATH), 3.5 (TTG).
	21	16	17	34.8*	36.987	N	29.528		E	10	G		1.6	6	TURKEY
	21	16	28	21.0	47.039	N	13.288		E	10	G		0.7	6	AUSTRIA. ML 2.8 (VIE).
	21	16	38	08.4	22.602	S	65.949		W	259	*	3.9	1.3	28	JUJUY PROVINCE, ARGENTINA
	21	17	09	39.0&	63.219	N	151.783		W	8				25	CENTRAL ALASKA. <AGS-P>.
	21	17	56	48.0	40.770	N	30.352		E	10	G		0.9	10	TURKEY
	21	19	28	22.7&	34.458	N	106.858		W	12				8	NEW MEXICO. <SNM>. MD 3.0 (SNM).
	21	20	13	41.9?	51.69	N	16.37		E	10	G		0.4	6	POLAND. ML 2.6 (KRA).
	21	20	27	13.7?	36.97	N	29.45		E	10	G		0.4	4	TURKEY
	21	20	30	31.3&	34.455	N	106.856		W	7				7	NEW MEXICO. <SNM>. MD 3.1 (SNM).
	21	21	02	26.4?	36.98	N	29.55		E	10	G		0.4	4	TURKEY
	21	21	10	05.4?	5.61	S	146.80		E	205	*	5.1	0.9	12	EAST PAPUA NEW GUINEA REGION
	21	21	36	45.8	40.266	N	29.174		E	12			0.7	14	TURKEY
	21	21	57	11.8*	36.813	N	29.436		E	29	*		0.6	6	TURKEY
	21	22	31	26.6	45.836	N	15.417		E	5	G		0.9	15	YUGOSLAVIA. ML 2.9 (VIE). MD 3.2 (TRI), 3.4 (LJU). Felt (IV) at Kastanjevica.
	21	22	35	36.4*	45.749	N	15.482		E	10	G		0.4	5	YUGOSLAVIA. ML 1.7 (LJU).
	21	23	02	19.6*	31.190	S	68.159		W	10	G		0.5	6	SAN JUAN PROVINCE, ARGENTINA
	21	23	31	44.3	39.683	N	77.699		E	33	N	4.4	1.2	20	SOUTHERN XINJIANG, CHINA
	21	23	32	45.8?	33.57	S	71.71		W	10	G		0.5	7	NEAR COAST OF CENTRAL CHILE
	21	23	48	04.9&	34.453	N	106.854		W	7				8	NEW MEXICO. <SNM>. MD 3.2 (SNM).
	22	00	16	41.7	61.407	N	139.704		W	10	G		0.6	11	SOUTHERN YUKON TERRITORY, CANADA
	22	01	15	51.7?	21.36	N	120.32		E	33	N	4.1	0.5	5	TAIWAN REGION
a	22	01	26	09.4	19.133	S	168.758		E	46	D	5.0 4.7	1.1	91	VANUATU ISLANDS
	22	01	30	31.9?	16.02	N	60.97		W	33	N		0.1	4	LEEWARD ISLANDS. ML 2.2 (FDF).
	22	02	21	09.2?	15.38	N	120.61		E	33	N	4.3	0.8	7	LUZON, PHILIPPINE ISLANDS
	22	02	55	43.2%	38.749	N	23.524		E	10	G		0.2	8	GREECE. ML 3.6 (ATH).
	22	03	06	29.1&	59.918	N	153.841		W	162		3.6		50	SOUTHERN ALASKA. <AGS-P>.
	22	03	24	35.6	43.196	N	0.385		W	13			1.1	34	PYRENEES. ML 3.7 (LDG). mbLg 3.6 (MDD). Felt (IV) in the Ossau Valley, France.
	22	03	35	06.0	43.176	N	0.320		W	10	G		0.8	14	PYRENEES. ML 3.1 (LDG). Felt (III) in the Ossau Valley, France.
	22	03	39	21.0%	38.408	N	22.304		E	10	G		0.6	5	GREECE. ML 2.8 (ATH).
	22	03	50	28.2%	10.551	N	61.280		W	33	N		0.1	6	TRINIDAD. MD 2.4 (TRN).
	22	03	58	33.7*	38.185	N	74.486		E	155	?	3.9	0.5	15	TAJIK-XINJIANG BORDER REGION
	22	04	26	27.3	43.089	N	0.354		W	10	G		0.2	9	PYRENEES. ML 2.6 (LDG). Felt (III) in the Ossau Valley, France.
	22	04	57	04.2	43.613	N	127.371		W	10	G	4.5 3.9	0 8	105	OFF COAST OF OREGON

	22	06 01 35.3%	43.591	N	12.366	E	10	G			0.8	7	CENTRAL ITALY
a	22	06 03 04.6	16.445	N	121.059	E	13	D	5.4	4.7	1.0	238	LUZON, PHILIPPINE ISLANDS. Felt (I RF) at Santa.
	22	06 14 02.5	46.042	N	154.614	E	33	N	4.6		1.1	47	KURIL ISLANDS REGION
	22	07 19 00.2&	60.492	N	152.626	W	111					31	SOUTHERN ALASKA. <AGS-P>.
	22	07 20 52.5*	5.521	S	146.192	E	74	*	4.9		1.1	29	EAST PAPUA NEW GUINEA REGION
	22	07 37 24.0?	29.24	S	176.84	W	135	*	4.1		1.1	13	KERMADEC ISLANDS REGION
	22	07 37 28.8&	60.537	N	144.927	W	24					27	SOUTHERN ALASKA. <AGS-P>.
	22	09 00 07.1*	45.426	N	16.215	E	10	G			0.9	5	YUGOSLAVIA. MD 2.8 (LJU).
	22	09 18 52.4	12.005	N	143.703	E	13		5.3	4.8	1.1	93	SOUTH OF MARIANA ISLANDS
f	22	09 26 14.6	23.622	S	179.893	W	531	G	5.9		0.9	494	SOUTH OF FIJI ISLANDS. Depth from broadband displacement seismograms.
	22	09 34 24.0%	41.307	N	15.852	E	10	G			0.6	6	SOUTHERN ITALY
	22	09 50 17.2	43.422	N	20.638	E	10	G			0.6	11	YUGOSLAVIA. ML 2.8 (TTG).
	22	09 50 26.4	23.466	S	179.921	W	534	D	5.2		0.9	86	SOUTH OF FIJI ISLANDS
	22	09 53 38.0	15.947	N	120.935	E	45		5.1	4.5	0.9	71	LUZON, PHILIPPINE ISLANDS. Felt (I RF) at Santa.
	22	09 53 53.7&	60.917	N	146.495	W	14					25	SOUTHERN ALASKA. <AGS-P>.
	22	09 55 14.1%	12.615	S	76.774	W	33	N			0.3	5	NEAR COAST OF PERU
	22	10 20 44.5*	7.223	S	120.500	E	522	*	4.9		1.4	36	FLORES SEA
	22	10 29 05.0?	32.46	S	71.70	W	11				0.2	10	NEAR COAST OF CENTRAL CHILE
	22	11 04 08.2&	62.069	N	150.273	W	50					23	CENTRAL ALASKA. <AGS-P>.
	22	11 20 09.6	16.532	N	121.045	E	33	N	5.3	4.7	1.0	189	LUZON, PHILIPPINE ISLANDS. Felt (II RF) at Santa.
a	22	12 26 58.8	12.036	N	143.750	E	23	D	5.4	4.9	1.1	129	SOUTH OF MARIANA ISLANDS
	22	12 38 32.8?	17.21	N	122.70	E	33	N	4.4		1.6	8	LUZON, PHILIPPINE ISLANDS
	22	13 01 52.4%	39.101	N	27.568	E	10	G			0.6	7	TURKEY
	22	14 15 20.8	16.461	N	120.825	E	33	N	4.7		1.4	26	LUZON, PHILIPPINE ISLANDS. Felt (I RF) at Santa.
	22	14 51 20.0%	39.108	N	27.612	E	10	G			0.6	5	TURKEY
o	22	16 32 18.1*	36.918	S	78.381	E	10	G	4.9	5.1	1.1	25	MID-INDIAN RISE
	22	16 56 41.7?	5.51	S	131.61	E	33	N	4.4		0.8	6	BANDA SEA
	22	17 01 52.5%	40.302	N	29.226	E	10	G			1.0	7	TURKEY
	22	17 06 18.4*	2.883	S	141.033	E	62	*	4.0		1.0	10	NEAR N COAST OF PAPUA NEW GUINEA
	22	17 46 47.6	44.497	N	7.109	E	10	G			0.5	14	NORTHERN ITALY. ML 2.2 (GEN), 2.0 (LDG).
	22	18 07 07.3*	16.287	N	120.842	E	10	G	4.6		1.4	14	LUZON, PHILIPPINE ISLANDS
	22	18 17 57.7	53.005	N	144.277	E	20	D	5.0	4.4	0.8	163	SEA OF OKHOTSK
	22	19 01 45.4?	14.20	S	73.08	W	90	G			0.8	6	PERU
	22	19 11 31.3?	36.98	N	29.40	E	10	G			0.2	4	TURKEY
	22	21 03 02.2?	36.88	N	29.26	E	10	G			1.3	4	TURKEY
	22	21 27 05.1&	34.838	N	106.006	W	10					12	NEW MEXICO. <SNM>. MD 3.7 (SNM).
	22	21 52 43.1	45.489	N	14.315	E	10	G			0.8	12	YUGOSLAVIA. MD 3.0 (LJU), 2.8 (TRI). Felt at Rijeka and Kiana.
	22	21 54 40.7?	16.10	N	121.58	E	33	N	4.7		1.4	10	LUZON, PHILIPPINE ISLANDS
	22	22 03 40.7*	16.385	N	120.552	E	33	N	4.7	3.8	1.5	11	LUZON, PHILIPPINE ISLANDS
	22	22 07 05.8*	31.536	S	68.930	W	33	N			0.9	11	SAN JUAN PROVINCE, ARGENTINA
	22	22 52 38.2	36.742	N	30.210	E	10	G			0.9	14	TURKEY
	22	23 21 13.2	37.006	N	29.440	E	10	G			0.8	11	TURKEY
	22	23 24 39.4	36.934	N	29.407	E	10	G			0.6	6	TURKEY
	22	23 28 35.9*	4.025	S	104.269	W	10	G	4.8	4.4	1.3	36	NORTHERN EASTER I. CORDILLERA
a	23	00 48 58.9	16.488	N	120.658	E	20	D	5.2	5.3	1.1	140	LUZON, PHILIPPINE ISLANDS. Felt (IV RF) at Baguio. The main road from Baguio was closed due to landslides.
	23	00 59 00.8*	35.117	N	138.506	E	16	*			1.3	13	HONSHU, JAPAN
	23	01 26 01.2*	8.814	S	157.514	E	33	N	4.4		1.4	8	SOLOMON ISLANDS
	23	02 20 19.6?	39.52	N	25.34	E	10	G			1.4	5	AEGEAN SEA
	23	02 36 44.1	35.973	N	100.153	E	33	N	4.5		0.7	24	QINGHAI PROVINCE, CHINA. ML 4.1 (BJI).
	23	02 58 31.0	9.390	S	114.610	E	43	?	4.8		0.9	14	SOUTH OF BALI ISLAND
	23	04 46 16.4*	5.724	S	110.927	E	583	?	5.1		1.0	15	JAVA SEA
	23	04 57 19.6*	36.872	N	29.377	E	10	G			1.6	6	TURKEY
a	23	05 27 08.3	9.481	N	84.546	W	29	*	5.1	5.1	1.0	181	COSTA RICA. Ms 5.5 (BRK), 5.1 (PAS).
	23	05 54 43.4?	36.96	N	29.45	E	10	G			0.3	4	TURKEY
	23	06 17 11.4	15.242	N	60.990	W	133		4.1		0.5	25	LEEWARD ISLANDS. MD 3.8 (TRN).
	23	06 23 53.6*	2.045	S	99.670	E	33	N	4.6	4.7	1.2	13	SOUTHERN SUMATERA
	23	06 27 18.5*	39.820	N	25.567	E	10	G			1.3	8	AEGEAN SEA. MD 3.1 (ATH).
	23	06 33 13.7	5.388	S	131.169	E	33	N	4.8		1.0	24	BANDA SEA
	23	06 44 53.7?	21.54	S	178.97	W	604	?	4.4		1.0	16	FIJI ISLANDS REGION
	23	07 22 01.3	15.497	N	121.450	E	33	N	5.0	4.3	1.3	41	LUZON, PHILIPPINE ISLANDS
	23	07 29 28.8	36.927	N	29.419	E	10	G			0.9	6	TURKEY
	23	07 56 10.7?	5.77	S	146.79	E	188	*	4.8		0.9	7	EAST PAPUA NEW GUINEA REGION
	23	08 32 47.7%	39.644	N	29.456	E	10	G			1.0	5	TURKEY
	23	08 39 20.4*	53.485	N	163.641	W	33	N	4.7		1.4	23	UNIMAK ISLAND REGION. ML 4.4 (PMR).
	23	08 41 32.9	39.839	N	118.574	E	29	*	4.4		1.0	17	NORTHEASTERN CHINA. ML 4.3 (BJI).
	23	09 42 12.0%	39.164	N	27.479	E	10	G			1.6	5	TURKEY
	23	09 52 46.9%	44.642	N	7.240	E	10	G			0.2	9	NORTHERN ITALY. ML 2.1 (GEN).
	23	10 14 14.8%	39.799	N	28.988	E	10	G			1.1	8	TURKEY
a	23	10 57 28.2	4.711	S	145.578	E	30	D	5.0	4.7	1.1	54	NEAR N COAST OF PAPUA NEW GUINEA
	23	11 28 44.4*	38.237	N	28.921	E	10	G			0.8	5	TURKEY
	23	14 48 46.8	37.030	N	29.456	E	10	G			1.1	13	TURKEY
	23	15 11 24.1	43.027	N	0.357	W	10	G			0.9	10	PYRENEES. ML 2.8 (LDG).
	23	15 12 33.5*	15.657	N	121.160	E	33	N	4.6		0.9	20	LUZON, PHILIPPINE ISLANDS
	23	16 05 21.5*	15.370	N	61.242	W	135	?			0.6	14	LEEWARD ISLANDS. MD 3.5 (TRN).
	23	16 06 28.8*	10.388	S	124.032	E	33	N	4.5		1.3	12	TIMOR
	23	16 19 04.1	36.962	N	29.453	E	10	G			1.0	6	TURKEY
	23	16 37 44.0?	5.84	S	145.43	E	33	N	3.8		1.3	6	EAST PAPUA NEW GUINEA REGION
	23	17 51 54.3%	37.983	N	14.844	E	20	*			0.8	9	SICILY
	23	17 59 47.4	24.816	N	122.063	E	105		4.3		0.8	24	TAIWAN REGION
a	23	18 02 50.9	11.269	N	122.348	E	16	D	5.5	5.5	1.4	137	PANAY, PHILIPPINE ISLANDS. Felt (V RF) in Aklan Province; (IV RF) at Iloilo; (III RF) at Bacolod and Mambukal. Also felt (III RF) on Negros.
	23	18 36 19.3?	19.21	N	67.96	W	10	G			0.5	7	MONA PASSAGE
	23	18 57 49.2*	36 987	N	141.339	E	63	*	4.3		1.1	21	NEAR EAST COAST OF HONSHU, JAPAN
	23	19 06 03.4?	51.57	N	7.07	E	10	G			1.3	5	GERMANY. MD 2.7 (UCC).
a	23	19 33 12.6	14.152	S	167.022	E	144	*	5.2		1.0	92	VANUATU ISLANDS
	23	20 54 56.6	42.719	N	45.947	E	33	N	4.8		0.9	21	EASTERN CAUCASUS
	23	21 00 51.5%	38.328	N	22.153	E	10	G			1.1	6	GREECE. ML 2.9 (ATH).
	23	21 06 48.2&	60.299	N	152.461	W	101					27	SOUTHERN ALASKA. <AGS-P>.
	23	21 17 56.3?	38.35	N	22.00	E	10	G			0.8	4	GREECE

o	23	22	20	42.0	16.100	N	119.640	E	18	D	5.0	5.1	1.0	90	LUZON, PHILIPPINE ISLANDS
	23	22	32	18.3*	23.788	N	122.166	E	33	N	4.3		0.6	5	TAIWAN REGION
	23	23	08	32.3*	22.735	S	69.305	W	86	?	4.8		1.3	13	NORTHERN CHILE. Felt (IV) at Calama, Maria Elena and Quillagua.
	23	23	29	25.1	3.700	S	138.400	E	104	?	4.8		0.9	25	WEST IRIAN
	23	23	53	45.8?	32.34	S	72.42	W	10	G			0.4	11	OFF COAST OF CENTRAL CHILE
	24	02	04	09.2&	40.245	N	124.713	W	4					8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.9 (BRK).
	24	03	08	18.3*	0.472	S	120.991	E	33	N	4.1		0.9	9	MINAHASSA PENINSULA
	24	03	57	30.0	34.771	N	4.086	W	16				0.8	17	MOROCCO. MD 3.8 (RBA). mbLg 3.2 (MDD).
	24	04	33	42.2?	14.67	S	74.26	W	33	N			0.5	5	PERU
	24	04	50	46.0?	6.16	S	129.61	E	137	?	4.4		1.3	8	BANDA SEA
	24	05	34	50.8	22.911	S	68.726	W	93	*	5.0		1.3	22	NORTHERN CHILE
	24	07	27	17.1*	36.846	N	49.815	E	10	G	4.5		0.8	9	WESTERN IRAN
	24	07	45	59.4	4.811	S	102.750	E	80	*	5.0		1.1	78	SOUTHERN SUMATERA
	24	08	21	43.7	32.540	N	140.243	E	90	*	4.8		0.8	25	SOUTH OF HONSHU, JAPAN
	24	08	53	19.1&	40.297	N	124.560	W	6					6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.7 (BRK).
	24	10	10	00.4&	36.740	N	121.492	W	5					15	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	24	10	56	09.8?	7.66	S	128.41	E	116	?	4.1		0.2	5	BANDA SEA
	24	11	49	52.0&	48.657	N	119.537	W	0					28	WASHINGTON. <SEA>. CL 2.9 (SEA).
	24	12	17	46.2?	39.10	N	27.58	E	10	G			0.1	4	TURKEY
	24	13	02	41.4?	39.14	N	27.61	E	10	G			0.4	4	TURKEY
	24	13	55	34.3%	39.800	N	28.058	E	10	G			0.7	7	TURKEY
	24	14	16	52.8	44.389	N	8.329	E	10	G			0.4	11	NORTHERN ITALY. ML 2.4 (GEN).
	24	14	38	24.6?	40.80	N	28.45	E	10	G			0.8	4	TURKEY
	24	14	46	54.7	38.305	N	22.198	E	9				1.5	13	GREECE. ML 3.2 (ATH).
	24	15	03	06.5?	16.70	S	178.14	E	10	G			0.4	5	FIJI ISLANDS. ML 3.9 (SVA).
	24	15	03	54.2%	39.631	N	28.520	E	10	G			0.7	5	TURKEY
	24	15	24	21.9?	45.13	N	7.08	E	10	G			0.1	4	NORTHERN ITALY. ML 1.8 (GEN).
	24	15	27	10.0%	45.458	N	6.880	E	10	G			0.2	5	FRANCE. ML 1.9 (GEN).
	24	16	09	03.0?	16.61	S	178.11	E	10	G			0.2	5	FIJI ISLANDS. ML 4.3 (SVA).
	24	16	11	58.1?	32.46	S	71.88	W	10	G			0.6	9	NEAR COAST OF CENTRAL CHILE
	24	16	21	34.3?	32.28	S	179.85	E	412	?	3.8		0.7	15	SOUTH OF KERMADEC ISLANDS
	24	16	24	40.3?	31.49	S	179.41	E	336	?	3.9		1.4	16	KERMADEC ISLANDS REGION
	24	17	34	34.3*	16.083	N	120.196	E	33	N	4.7	4.1	1.5	18	LUZON, PHILIPPINE ISLANDS
o	24	17	55	11.7	3.816	S	151.388	E	10	G	5.0	4.8	1.0	40	NEW IRELAND REGION
	24	17	59	48.1	32.876	N	48.243	E	10	G	5.1	4.7	1.0	239	WESTERN IRAN. Felt at Ahvaz.
	24	18	20	11.6?	14.96	N	148.51	E	33	N	4.8		0.5	9	MARIANA ISLANDS REGION
	24	18	50	29.1	39.173	N	25.425	E	10	G			1.0	16	AEGEAN SEA. ML 3.2 (ATH).
	24	19	36	51.4	44.165	N	6.387	E	7				0.5	12	FRANCE. ML 2.4 (LDG).
	24	19	49	35.7?	44.69	N	7.36	E	10	G			0.5	4	NORTHERN ITALY. ML 1.9 (GEN).
	24	20	28	53.6	43.186	N	0.591	W	10				0.9	32	PYRENEES. ML 3.6 (LDG). mbLg 3.8 (MDD). Felt (IV) in the Bearn district, France.
	24	20	37	16.3*	22.186	S	69.392	W	93	*	4.6		1.4	13	NORTHERN CHILE
	24	20	44	17.5	40.767	N	20.558	E	10	G			1.3	7	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
	24	20	54	47.4	43.078	N	18.772	E	10	G			0.8	8	YUGOSLAVIA. ML 2.7 (TTG).
	24	21	07	55.5	74.396	N	9.417	E	10	G	4.4		1.1	23	GREENLAND SEA
	24	21	16	32.0*	10.558	S	119.296	E	33	N	3.7		1.2	5	SUMBA ISLAND REGION
	24	21	45	23.5%	44.664	N	8.430	E	10	G			0.3	6	NORTHERN ITALY. ML 2.2 (GEN).
	24	22	00	58.6*	7.081	S	144.484	E	23	*	4.3		1.4	8	NEAR S COAST OF PAPUA NEW GUINEA
	24	22	17	05.3?	18.85	S	69.24	W	173	?			0.1	6	NORTHERN CHILE
	24	22	31	56.2?	27.74	N	130.75	E	33	N	4.0		0.9	8	RYUKYU ISLANDS
	24	23	04	09.4*	31.686	S	72.325	W	13		5.1		1.3	21	OFF COAST OF CENTRAL CHILE
	24	23	20	39.9&	62.743	N	151.111	W	91					20	CENTRAL ALASKA. <AGS-P>.
	25	00	01	44.9*	33.346	S	68.779	W	10	G			1.1	10	MENDOZA PROVINCE, ARGENTINA
	25	01	06	29.4*	38.575	N	20.483	E	33	N			1.4	9	GREECE. MD 3.5 (ATH).
	25	02	27	00.1	10.508	N	141.816	E	33	N	4.5		0.5	12	WEST CAROLINE ISLANDS
	25	02	51	25.3*	7.240	N	80.251	W	33	N	4.4	3.5	1.4	11	PANAMA. Felt (IV) at Tanasi and Pedasi; (II) at Chitre and Panama City.
	25	03	58	11.8&	57.175	N	143.055	W	10		4.1			55	GULF OF ALASKA. <AGS-P>. ML 4.1 (PMR).
	25	04	00	48.1*	31.208	S	68.370	W	119				1.0	15	SAN JUAN PROVINCE, ARGENTINA
	25	04	31	03.9	50.467	N	18.978	E	10	G	4.1		1.0	20	POLAND. ML 4.2 (VIE).
	25	05	18	14.8	34.158	N	117.708	W	10	G			0.5	12	SOUTHERN CALIFORNIA. ML 2.9 (NEIS).
	25	05	58	07.5&	62.218	N	124.486	W	10	G	4.0			14	NORTHWEST TERRITORIES, CANADA. <PGC>.
	25	07	15	32.6?	33.75	S	72.15	W	10	G			0.3	9	OFF COAST OF CENTRAL CHILE
	25	07	24	38.1*	3.207	S	129.698	E	79	?	4.9		1.4	26	CERAM
	25	07	58	10.2?	37.02	N	29.58	E	10	G			0.6	4	TURKEY
	25	08	20	34.5*	19.095	N	65.004	W	10	G			0.8	11	PUERTO RICO REGION
	25	08	24	05.4?	19.06	N	65.06	W	10	G			0.6	7	PUERTO RICO REGION
	25	08	25	39.7?	19.06	N	65.14	W	10	G			0.2	7	PUERTO RICO REGION
	25	08	31	43.4*	18.936	N	65.064	W	10	G			0.6	9	PUERTO RICO REGION
	25	08	48	44.7&	39.538	N	120.352	W	9					11	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
	25	10	25	33.6%	39.132	N	27.605	E	10	G			0.3	5	TURKEY
	25	10	48	40.8*	3.563	N	127.376	E	33	N	4.8		0.7	7	TALAUD ISLANDS
	25	11	12	02.1%	39.175	N	27.536	E	10	G			0.6	5	TURKEY
	25	11	22	19.2?	43.17	N	12.41	E	33	N			0.5	4	CENTRAL ITALY
	25	12	11	46.7&	62.967	N	150.872	W	104					16	CENTRAL ALASKA. <AGS-P>.
	25	12	35	11.6*	42.495	N	24.309	E	10	G			0.9	5	BULGARIA
	25	12	36	47.3%	40.848	N	28.057	E	10	G			0.8	7	TURKEY
	25	12	48	13.0?	19.12	N	64.88	W	10	G			0.7	7	VIRGIN ISLANDS
	25	13	16	45.9*	14.555	N	60.647	W	10	G	4.4		1.2	11	WINDWARD ISLANDS. MD 4.3 (TRN). ML 4.1 (FDF).
o	25	13	37	14.8	15.433	S	174.723	W	280		5.0		1.0	141	TONGA ISLANDS
	25	14	13	56.0?	43.02	N	0.31	W	10	G			0.2	6	PYRENEES. MD 1.0 (STR).
	25	14	38	09.4%	31.114	S	68.949	W	33	N			1.6	6	SAN JUAN PROVINCE, ARGENTINA
	25	14	38	34.2	47.513	N	7.639	E	10	G			0.9	10	SWITZERLAND. ML 2.7 (LDG).
o	25	14	42	42.0	53.702	N	156.713	W	48	D	5.7	4.4	0.9	354	SOUTH OF ALASKA. ML 5.8 (PMR). Felt (III) at Chignik.
	25	14	59	47.2	47.513	N	7.667	E	10	G			0.2	10	SWITZERLAND. ML 2.8 (LDG).
	25	15	00	00.0&	37.207	N	116.214	W	0		4.7			77	SOUTHERN NEVADA. <DOE>. 37' 12' 24.73" N., 116' 12' 51.33" W., Surface Elev. 2243 m., Depth of Burial 400 m., Shot Time 150000.057, "MINERAL QUARRY," Tunnel Shot, Nevada Test Site (Dept. of Energy).
	25	15	41	25.7%	41.274	N	14.938	E	10	G			0.8	8	SOUTHERN ITALY
	25	15	59	18.8?	43.17	N	0.48	W	10	G			0.1	5	PYRENEES. MD 1.0 (STR).
	25	16	51	10.4?	33.63	N	141.60	E	33	N	5.2		0.3	6	OFF EAST COAST OF HONSHU, JAPAN

	25	17	13	53.0	31.400	S	67.987	W	10	G			0.6	6	SAN JUAN PROVINCE, ARGENTINA
	25	17	57	11.4?	18.00	N	67.12	W	19	?			0.2	5	MONA PASSAGE
	25	18	07	51.9?	17.62	N	67.50	W	10	G			0.4	5	MONA PASSAGE
	25	18	14	44.5?	18.81	N	65.78	W	10	G			0.4	5	PUERTO RICO REGION
	25	18	21	45.2&	58.282	N	156.184	W	134					9	ALASKA PENINSULA <AGS-P>.
	25	18	22	01.1&	61.623	N	149.868	W	50					23	SOUTHERN ALASKA. <AGS-P>.
	25	19	55	12.6*	45.036	S	98.594	E	10	G	5.1	4.7	1.1	25	SOUTHEAST INDIAN RISE
	25	20	10	17.4	17.791	N	94.744	E	33	N	4.8	3.8	1.0	88	BURMA
	25	20	19	02.7	43.034	N	0.635	W	10	G			0.9	12	PYRENEES. ML 2.6 (LDG).
	25	21	18	00.2?	31.15	S	68.30	W	91	?			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	25	21	18	20.2	48.190	N	8.896	E	10	G			1.0	13	GERMANY. ML 2.9 (LDG).
	25	22	18	42.3%	36.994	N	29.528	E	10	G			0.8	5	TURKEY
	25	23	53	09.6	26.035	S	27.317	E	5	G			0.4	6	REPUBLIC OF SOUTH AFRICA. mbLg 3.6 (BUL).
	26	01	42	24.4?	32.57	S	71.63	W	16	*			0.7	9	NEAR COAST OF CENTRAL CHILE
	26	03	02	23.2*	38.162	N	27.239	E	10	G			1.5	11	TURKEY
a	26	04	18	28.9	7.504	S	127.760	E	131	D	5.2		1.1	126	BANDA SEA
	26	05	15	43.9	2.948	S	35.854	E	10	G	4.9	4.1	0.9	58	TANZANIA
	26	06	32	49.2?	32.40	S	69.44	W	120	G			0.2	6	MENDOZA PROVINCE, ARGENTINA
	26	06	48	18.6*	17.559	N	61.859	W	33	N			0.3	9	LEEWARD ISLANDS. ML 3.5 (FDF).
f	26	06	53	56.3	27.247	N	65.508	E	19	G	5.8	5.8	1.0	342	PAKISTAN. Two events about 4 sec. apart. Depth from broadband displacement seismograms, based on first event.
	26	07	00	30.8?	32.51	S	71.89	W	21				0.5	10	NEAR COAST OF CENTRAL CHILE
	26	07	19	12.6%	42.385	N	8.436	W	10	G			0.9	5	SPAIN. mbLg 2.9 (MDD). Felt (III) in the epicentral area.
	26	08	05	49.9?	34.76	S	71.83	W	21				0.4	10	NEAR COAST OF CENTRAL CHILE
	26	08	30	17.7*	16.316	N	96.719	W	33	N	4.4		0.8	30	OAXACA, MEXICO. MD 4.7 (UNM). Felt along the coast of Oaxaca.
	26	08	47	24.6?	16.09	N	120.60	E	10	G	4.5	3.6	1.1	6	LUZON, PHILIPPINE ISLANDS
	26	09	06	33.3*	24.408	S	67.002	W	170	*	4.4		1.1	34	CHILE-ARGENTINA BORDER REGION
	26	09	34	10.1%	39.643	N	29.617	E	10	G			1.0	5	TURKEY
	26	09	55	13.6&	40.490	N	124.125	W	5					4	NEAR COAST OF NORTHERN CALIF. <AGS-P>. ML 2.7 (BRK).
	26	10	36	48.8%	44.821	N	6.554	E	10	G			0.2	6	FRANCE. ML 2.0 (GEN).
	26	10	43	48.5*	16.132	N	120.194	E	10	G	4.4	3.7	1.3	16	LUZON, PHILIPPINE ISLANDS
	26	10	52	47.8	40.420	N	26.112	E	10	G			1.3	14	TURKEY. MD 3.2 (ATH).
	26	11	06	26.0*	3.742	N	123.996	E	399	*	4.3		1.0	12	CELEBES SEA
	26	11	27	46.1*	16.158	N	143.370	E	33	N	4.7		0.2	8	MARIANA ISLANDS REGION
	26	11	48	50.1?	38.49	N	24.29	E	10	G			1.6	5	AEGEAN SEA. ML 2.8 (ATH).
	26	12	12	51.7*	16.232	N	120.148	E	33	N	4.3		1.0	8	LUZON, PHILIPPINE ISLANDS
	26	12	30	14.2	46.327	N	7.345	E	10	G			0.9	41	SWITZERLAND. ML 3.0 (LDG).
	26	13	54	44.2%	12.651	S	76.715	W	33	N			0.6	6	NEAR COAST OF PERU
	26	15	10	45.7%	41.126	N	28.713	E	10	G			0.6	6	TURKEY
	26	15	55	43.4%	40.279	N	28.914	E	10	G			0.6	6	TURKEY
a	26	15	58	38.4	15.072	N	147.622	E	33	D	4.8	4.2	0.9	64	MARIANA ISLANDS REGION
	26	15	59	51.6&	63.695	N	149.197	W	119		3.7			50	CENTRAL ALASKA. <AGS-P>.
	26	16	25	59.0	42.594	N	1.176	W	10	G			0.4	17	PYRENEES. ML 2.9 (LDG). mbLg 2.8 (MDD). Felt (II) at Yesa, Spain.
	26	16	29	35.1	42.676	N	1.229	W	32				1.0	46	PYRENEES. ML 3.7 (LDG). mbLg 3.6 (MDD). Felt (V) at Yesa and (III) at Sanguesa, Spain.
	26	18	05	16.9&	63.498	N	147.877	W	80					22	CENTRAL ALASKA. <AGS-P>.
	26	18	13	14.2*	36.647	N	2.839	E	10	G	3.7		0.8	19	ALGERIA. ML 3.8 (LDG).
	26	19	14	52.9	49.200	N	155.866	E	33	N	4.7	4.1	1.0	74	KURIL ISLANDS. Felt (II) at Severo-Kurilsk.
	26	19	27	39.4	9.343	S	158.842	E	33	N	5.2	4.4	0.9	60	SOLOMON ISLANDS
	26	19	43	17.6&	59.932	N	151.216	W	46					29	KENAI PENINSULA, ALASKA. <AGS-P>.
	26	20	37	26.9	8.573	S	74.575	W	145	D	4.7		0.9	85	PERU-BRAZIL BORDER REGION
	26	20	52	22.3%	39.442	N	27.935	E	10	G			0.8	10	TURKEY
	26	21	15	58.9%	34.352	S	70.481	W	10	G			0.5	10	CHILE-ARGENTINA BORDER REGION
	26	21	54	56.8*	36.976	S	176.996	E	305	*			0.5	27	OFF E. COAST OF N. ISLAND, N.Z.
	26	21	58	06.2	41.651	N	15.629	E	14				1.0	15	SOUTHERN ITALY
	26	22	13	04.4	10.223	N	125.400	E	33	N	4.9	4.4	1.1	55	LEYTE, PHILIPPINE ISLANDS
	26	22	37	05.2%	37.769	N	4.570	W	10	G			0.9	9	SPAIN. mbLg 3.1 (MDD). Felt (III) in the epicentral area.
	26	22	51	24.1%	43.092	N	0.583	W	10	G			0.5	6	PYRENEES. MD 1.0 (STR).
	26	22	56	08.0%	31.401	S	68.827	W	85	?			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	26	23	34	49.0?	20.23	S	174.05	W	70	G	5.0		1.5	12	TONGA ISLANDS
	26	23	40	57.4?	29.85	S	68.56	W	100	G			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	27	00	19	51.3	29.022	S	72.224	W	33	N			0.7	14	OFF COAST OF CENTRAL CHILE
	27	00	39	58.7	37.983	N	141.751	E	53		4.8	4.2	1.0	76	NEAR EAST COAST OF HONSHU, JAPAN
a	27	00	54	56.8	16.062	N	86.229	W	14	D	5.4	4.5	1.0	269	CARIBBEAN SEA. Ms 4.8 (BRK). Felt in Honduras.
	27	01	19	45.9%	36.957	N	29.375	E	10	G			1.1	5	TURKEY
	27	01	27	28.1*	16.359	N	85.636	W	10	G	4.4		0.3	7	CARIBBEAN SEA. Felt in Honduras.
	27	01	45	21.4*	16.373	N	85.599	W	10	G	4.3		0.7	9	CARIBBEAN SEA. Felt in Honduras.
	27	02	27	04.7	43.874	N	7.767	E	10	G			0.3	9	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG), 1.9 (GEN).
	27	03	16	02.5%	16.870	N	61.579	W	30				0.2	9	LEEWARD ISLANDS. ML 3.0 (FDF).
	27	03	35	08.6	14.607	N	60.629	W	36	*	4.4		0.9	27	WINDWARD ISLANDS. ML 4.0 (FDF). Felt (III) on Martinique.
	27	03	44	44.1*	33.839	S	71.384	W	33	N			0.3	6	NEAR COAST OF CENTRAL CHILE
	27	03	55	43.0&	60.231	N	152.407	W	93					45	SOUTHERN ALASKA. <AGS-P>.
	27	03	57	02.6	44.081	N	7.179	E	10	G			0.2	8	NORTHERN ITALY. ML 1.7 (LDG), 1.5 (GEN).
	27	04	25	08.3*	25.967	S	67.872	W	33	N			0.8	10	CATAMARCA PROVINCE, ARGENTINA
	27	05	05	01.2%	40.815	N	28.166	E	10	G			0.9	8	TURKEY
	27	05	11	16.4*	37.627	N	142.399	E	27		4.0		1.1	11	OFF EAST COAST OF HONSHU, JAPAN
	27	05	31	00.1	37.318	N	49.585	E	10	G	4.8		1.1	20	CASPIAN SEA
	27	05	39	06.1&	60.236	N	151.055	W	62					33	KENAI PENINSULA, ALASKA. <AGS-P>.
	27	05	39	43.2&	61.599	N	149.893	W	31					24	SOUTHERN ALASKA. <AGS-P>.
	27	05	44	26.1?	24.59	S	179.70	E	583	?	4.6		0.9	15	SOUTH OF FIJI ISLANDS
	27	07	28	13.3?	29.27	S	71.14	W	60	G			1.1	13	NEAR COAST OF CENTRAL CHILE
	27	08	27	39.6*	25.795	S	70.030	W	164	?			1.2	21	NEAR COAST OF NORTHERN CHILE
	27	08	36	27.1*	31.318	S	68.624	W	83	?			0.4	7	SAN JUAN PROVINCE, ARGENTINA
	27	08	49	22.5?	37.00	N	29.58	E	10	G			1.0	4	TURKEY
	27	09	45	32.2?	39.07	N	27.61	E	10	G			0.2	4	TURKEY
	27	10	49	07.6*	21.651	S	68.180	W	124	*	4.4		1.1	7	CHILE-BOLIVIA BORDER REGION
	27	11	37	02.1*	41.670	N	22.331	E	10	G			1.4	5	YUGOSLAVIA. ML 2.1 (SKO).

	27	12 11 04.9%	37.819	N	6.259	W	10	G			0.5	6	SPAIN. mbLg 2.7 (MDD)
f	27	12 37 59.5	15.355	S	167.464	E	126	G	6.4		1.0	476	VANUATU ISLANDS. mb 6.9 (BRK). Mo=2.0*10**20 Nm (PPT). Two people injured and many buildings damaged on Espiritu Santo. Felt (V) at Mont Dzumac, New Caledonio and Suva, Fiji. Two events about 5 sec. apart. Depth from broadband displacement seismograms, based on first event.
	27	12 54 25.8%	40.845	N	28.048	E	10	G			0.4	8	TURKEY
	27	13 12 55.8&	63.462	N	149.345	W	102					36	CENTRAL ALASKA. <AGS-P>.
	27	13 25 51.3	16.306	N	86.120	W	10	G	4.4		1.0	31	CARIBBEAN SEA. Felt in Honduras.
	27	13 58 46.2*	9.050	S	124.237	E	33	N	4.3		1.5	9	TIMOR
	27	14 16 07.0	43.894	N	7.837	E	10	G			0.6	44	NEAR SOUTH COAST OF FRANCE. ML 3.1 (LDG), 3.4 (GEN).
	27	14 46 24.6?	29.23	S	69.06	W	138	*			1.0	17	CHILE-ARGENTINA BORDER REGION
	27	14 55 44.3*	22.865	S	69.369	E	10	G	5.1		1.0	39	MID-INDIAN RISE
	27	15 02 23.9	22.936	S	69.165	E	10	G	4.9		0.9	28	MID-INDIAN RISE
	27	15 53 00.2*	23.188	S	69.042	E	10	G	4.7		1.1	11	MID-INDIAN RISE
	27	16 41 55.8?	44.57	N	7.25	E	10	G			0.2	4	NORTHERN ITALY. ML 1.5 (GEN).
	27	17 46 25.4	26.766	S	26.692	E	5	G			1.5	13	REPUBLIC OF SOUTH AFRICA. mbLg 3.8 (BUL).
	27	17 47 39.0%	47.045	N	1.349	E	10	G			0.8	12	FRANCE. ML 2.6 (LDG).
	27	17 55 58.0	38.648	N	23.716	E	33	*	4.0		1.3	91	GREECE. ML 4.1 (ATH). Felt at Athens.
	27	19 00 51.0	38.679	N	23.789	E	8		3.5		1.2	23	GREECE. ML 3.8 (ATH).
	27	19 22 48.3?	40.24	N	26.89	E	10	G			0.7	4	TURKEY
	27	19 24 41.3%	40.114	N	27.672	E	10	G			0.8	9	TURKEY
	27	20 05 16.6&	60.032	N	152.889	W	98					44	SOUTHERN ALASKA. <AGS-P>.
	27	20 41 31.0	5.072	N	32.078	E	10	G	4.8	3.9	0.9	84	SUDAN
	27	21 13 11.5	38.401	N	22.108	E	10	G			0.9	6	GREECE. ML 3.0 (ATH).
	27	21 16 44.2?	0.06	S	77.82	W	33	N			1.3	4	ECUADOR
	27	22 00 35.5&	47.639	N	122.483	W	22					72	WASHINGTON. <SEA>. ML 2.4 (SEA).
	27	22 05 55.0?	7.75	S	128.89	E	33	N	4.7		1.2	13	BANDA SEA
	27	22 44 36.3	36.949	N	142.150	E	33	N	4.4	4.2	1.1	26	OFF EAST COAST OF HONSHU, JAPAN
	27	22 56 22.9?	16.41	N	60.82	W	33	N			0.2	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	27	23 02 22.4*	18.631	N	46.226	W	10	G	4.6		1.0	18	NORTH ATLANTIC RIDGE
	27	23 12 55.8?	26.00	N	127.76	E	33	N	4.3		0.9	9	RYUKYU ISLANDS
	27	23 17 35.4?	57.51	N	156.32	W	33	N	4.1		0.1	5	ALASKA PENINSULA
	28	00 09 40.0?	10.45	N	62.28	W	24	*			0.8	8	NEAR COAST OF VENEZUELA
	28	01 24 10.7*	37.330	N	141.902	E	41	*	4.6	3.7	1.0	17	NEAR EAST COAST OF HONSHU, JAPAN
	28	02 07 12.0	37.113	N	29.599	E	10	G			1.2	21	TURKEY
	28	03 34 33.0*	13.332	S	76.929	W	10	G			1.2	6	NEAR COAST OF PERU
	28	03 59 56.4	37.061	N	142.028	E	30	D	5.0	4.6	1.0	144	OFF EAST COAST OF HONSHU, JAPAN
	28	05 10 06.5*	37.560	N	20.580	E	10	G	3.3		1.3	14	IONIAN SEA. ML 3.7 (ATH).
	28	06 32 27.5&	60.194	N	152.413	W	97		3.7			49	SOUTHERN ALASKA. <AGS-P>.
	28	06 33 47.5?	32.63	S	71.78	W	11				0.4	10	NEAR COAST OF CENTRAL CHILE
	28	06 54 45.6*	5.292	N	32.109	E	10	G	4.3		1.0	6	SUDAN
	28	08 14 49.8&	63.019	N	151.082	W	129					52	CENTRAL ALASKA. <AGS-P>.
	28	08 31 31.5	43.049	N	18.741	E	10	G			0.8	9	YUGOSLAVIA. ML 2.5 (TTG).
a	28	08 42 51.2	15.429	S	167.402	E	113	D	5.5		1.0	225	VANUATU ISLANDS
	28	09 23 59.4?	11.91	N	122.47	E	33	N	4.6		1.4	6	PANAY, PHILIPPINE ISLANDS
	28	09 28 27.7	41.968	N	23.104	E	10	G			1.3	16	GREECE-BULGARIA BORDER REGION
	28	09 33 20.7&	46.858	N	121.763	W	0		3.1			85	WASHINGTON. <SEA>. ML 2.9 (SEA). Felt.
	28	09 40 45.5?	47.54	N	3.14	W	10	G			1.1	15	FRANCE. ML 3.2 (LDG).
	28	10 35 41.6*	11.234	S	74.920	W	73	?	4.6		0.7	12	PERU
	28	11 23 09.3	43.052	N	18.730	E	10	G			0.8	10	YUGOSLAVIA. ML 2.5 (TTG).
	28	12 27 17.8?	31.19	S	68.53	W	100	G			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	28	12 30 04.3	32.792	N	48.153	E	33	N	4.7		1.0	73	WESTERN IRAN. Felt at Andimeshk.
	28	12 51 07.2&	60.318	N	151.595	W	57					44	KENAI PENINSULA, ALASKA. <AGS-P>.
	28	13 38 52.6	44.816	N	6.798	E	10	G			0.6	13	FRANCE. ML 2.6 (GEN).
	28	13 56 45.5*	36.489	N	2.912	E	10	G			0.6	8	ALGERIA. ML 3.5 (LDG).
a	28	13 59 48.7?	36.42	S	104.52	W	10	G	4.7	4.8	0.9	18	SOUTHERN PACIFIC OCEAN
	28	14 41 32.8&	61.664	N	146.800	W	29					21	SOUTHERN ALASKA. <AGS-P>.
	28	15 41 38.4?	6.41	S	146.82	E	209	*	4.8		0.9	6	EAST PAPUA NEW GUINEA REGION
	28	16 06 08.0?	31.61	S	69.34	W	98	?			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	28	16 10 55.9*	23.686	S	70.693	W	10	G			0.9	7	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasta.
a	28	16 46 02.7	5.225	N	32.604	E	10	G	5.3	5.0	1.0	172	SUDAN
	28	17 17 33.3*	5.234	N	32.333	E	10	G	4.4		0.7	5	SUDAN
	28	17 23 08.8%	39.563	N	28.409	E	10	G			1.2	11	TURKEY
	28	17 35 29.8*	12.331	S	165.923	E	33	N	4.8	4.4	1.3	16	SANTA CRUZ ISLANDS
	28	17 39 49.7	44.328	N	9.217	E	10	G			0.8	10	NORTHERN ITALY. ML 2.6 (GEN).
	28	18 00 08.6*	17.731	S	178.822	W	574		4.2		0.8	34	FIJI ISLANDS REGION
	28	18 43 28.6	33.726	N	86.941	E	33	N	4.6		1.2	17	TIBET
	28	19 08 02.6	13.834	S	167.115	E	217		5.2		1.1	175	VANUATU ISLANDS
	28	20 16 09.0&	58.601	N	155.627	W	139		3.5			47	ALASKA PENINSULA. <AGS-P>.
	28	20 47 23.0	38.727	N	26.653	E	10	G			1.0	8	AEGEAN SEA. MD 3.5 (ATH).
	28	21 13 28.1	29.811	N	99.082	E	29	*	4.6	3.6	1.0	26	SICHUAN PROVINCE, CHINA
	28	22 20 39.9%	38.378	N	22 126	E	10	G			1.0	6	GREECE. ML 3.0 (ATH).
	28	22 39 42.2&	61.527	N	152.326	W	156		3.4			46	SOUTHERN ALASKA. <AGS-P>.
	28	23 00 34.1?	15.76	S	74.50	W	10	G			1.4	6	NEAR COAST OF PERU
	29	00 09 58.2&	39.650	N	123.232	W	1					10	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.5 (BRK).
	29	00 14 08.2?	31.90	S	67.62	W	10	G			1.5	7	SAN JUAN PROVINCE, ARGENTINA
	29	00 22 53.6	38.717	N	26.643	E	10	G			0.9	11	AEGEAN SEA. MD 3.4 (ATH).
	29	03 56 13.7*	16.488	N	121.352	E	69	*	4.2		0.7	7	LUZON, PHILIPPINE ISLANDS
	29	03 56 35.3?	12.56	S	165.59	E	105	?	4.4		1.1	22	SANTA CRUZ ISLANDS
	29	04 11 47.0*	14.153	S	73.806	W	33	N			1.1	10	PERU
	29	04 49 18.1*	17.526	N	61.962	W	30	*			0.9	7	LEEWARD ISLANDS. ML 2.9 (FDF).
	29	05 02 04.3&	63.069	N	149 383	W	84					38	CENTRAL ALASKA. <AGS-P>.
	29	05 41 31.1?	17.65	S	178.68	W	640	?	4.9		0.7	10	FIJI ISLANDS REGION
	29	06 04 43.7%	36.956	N	29 436	E	10	G			0.9	7	TURKEY
	29	06 28 50.4%	31.263	S	69.243	W	33	N			1.4	6	SAN JUAN PROVINCE, ARGENTINA
	29	07 48 40.1	1.285	N	31.937	E	10	G	4.3		1.5	7	UGANDA
	29	08 50 07.3?	44.69	N	9 29	E	10	G			0.4	8	NORTHERN ITALY. ML 2.8 (GEN).
	29	09 20 00.9	31.460	N	140.173	E	33	N	4.9	4.4	1.1	49	SOUTH OF HONSHU, JAPAN
	29	09 49 37.1*	8.909	S	149.753	E	56	*	4.2	3.5	0.8	10	EAST PAPUA NEW GUINEA REGION
	29	10 58 34.7*	8.265	N	125.864	E	53	?	4.4	4.1	1.4	18	MINDANAO, PHILIPPINE ISLANDS

	29	11	35	17.9*	30.889	N	142.049	E	33	N	5.0		0.6	8	SOUTH OF HONSHU, JAPAN
	29	11	35	39.5	37.005	N	29.531	E	24				0.8	19	TURKEY
	29	11	36	11.2*	30.913	N	142.083	E	33	N	4.5	3.7	1.1	20	SOUTH OF HONSHU, JAPAN
	29	12	59	05.2*	19.125	N	71.236	W	33	N	3.9		1.3	8	DOMINICAN REPUBLIC REGION
	29	13	34	13.2	20.832	S	178.407	W	589		4.6		0.9	56	FIJI ISLANDS REGION
	29	14	19	57.7*	33.696	S	71.500	W	31				0.4	9	NEAR COAST OF CENTRAL CHILE
	29	14	28	41.3?	11.56	N	87.84	W	33	N	4.5		1.3	10	NEAR COAST OF NICARAGUA
	29	15	14	23.7	32.981	S	71.133	W	46	*			0.6	18	NEAR COAST OF CENTRAL CHILE
a	29	15	29	12.5	4.893	S	80.857	W	39	D	5.1	4.9	0.8	98	PERU-ECUADOR BORDER REGION. Felt (III) at Talara, Perú.
	29	15	49	46.7*	37.111	N	142.106	E	33	N	4.4		1.2	12	OFF EAST COAST OF HONSHU, JAPAN
	29	16	32	33.4?	46.25	N	14.38	E	10	G			1.9	4	YUGOSLAVIA. MD 2.5 (LJU).
	29	17	26	38.3?	31.72	S	68.17	W	10	G			1.2	6	SAN JUAN PROVINCE, ARGENTINA
	29	17	44	08.7?	29.03	S	70.37	W	105	?			1.3	12	CENTRAL CHILE
	29	18	58	08.0?	16.53	N	120.87	E	10	G			1.1	4	LUZON, PHILIPPINE ISLANDS
	29	21	04	35.1	19.839	S	175.996	W	265		4.8		1.0	94	TONGA ISLANDS
	29	21	31	56.7	39.781	N	20.326	E	24		3.8		1.2	55	GREECE-ALBANIA BORDER REGION. ML 3.5 (TTG). MD 3.7 (ATH).
	29	21	51	42.6%	44.689	N	6.780	E	10	G			0.6	8	FRANCE. ML 2.5 (GEN).
	29	22	17	35.6	16.359	N	121.053	E	33	N	4.8		1.0	34	LUZON, PHILIPPINE ISLANDS
	29	22	47	52.4	38.264	N	25.209	E	10	G			1.2	9	AEGEAN SEA. ML 3.3 (ATH).
	29	23	08	00.5*	1.253	N	121.994	E	449	?	4.8		0.9	15	MINAHASSA PENINSULA
	29	23	15	16.9	41.905	N	142.368	E	70		4.9		0.9	115	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hiroo.
	30	00	08	09.4	32.843	S	71.530	W	22				0.8	18	NEAR COAST OF CENTRAL CHILE
	30	00	18	21.9?	36.99	N	29.53	E	10	G			0.3	4	TURKEY
	30	00	52	14.3?	31.57	S	68.13	W	91	?			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	30	00	56	01.0?	16.29	N	120.34	E	33	N			0.5	4	LUZON, PHILIPPINE ISLANDS
	30	01	13	18.1	29.926	N	130.361	E	79		5.0		1.0	137	RYUKYU ISLANDS. Felt (III JMA) on Yaku-shima.
	30	01	36	23.7%	40.723	N	15.899	E	10	G			1.0	7	SOUTHERN ITALY
	30	01	54	50.3*	42.016	N	19.642	E	10	G			0.6	5	YUGOSLAVIA. ML 2.2 (TTG).
	30	03	06	48.6*	31.219	S	68.992	W	105	?			0.3	8	SAN JUAN PROVINCE, ARGENTINA
	30	03	44	04.3?	34.98	S	68.47	W	10	G			1.0	18	MENDOZA PROVINCE, ARGENTINA
	30	05	29	58.5&	59.708	N	152.404	W	77					32	SOUTHERN ALASKA. <AGS-P>.
	30	05	54	07.2?	36.99	N	29.43	E	10	G			0.3	4	TURKEY
	30	07	35	57.3&	63.587	N	148.572	W	83					31	CENTRAL ALASKA. <AGS-P>.
	30	08	57	46.5?	45.52	N	15.86	E	10	G			0.1	4	YUGOSLAVIA. ML 1.8 (LJU).
	30	09	28	36.1?	39.13	N	27.63	E	10	G			0.1	4	TURKEY
	30	09	44	01.2%	15.826	N	60.992	W	33	N			0.7	8	LEEWARD ISLANDS. ML 2.7 (FDF).
	30	10	01	21.7*	34.220	S	70.496	W	100	G			0.4	11	CHILE-ARGENTINA BORDER REGION
	30	10	04	52.5*	4.369	S	10.779	W	10	G	4.8		1.1	50	NORTH OF ASCENSION ISLAND
	30	10	06	15.0*	4.349	S	10.819	W	10	G	5.1		1.0	29	NORTH OF ASCENSION ISLAND
	30	10	11	55.2*	42.486	N	22.934	E	10	G			0.6	5	BULGARIA
	30	10	19	00.8*	16.319	N	120.903	E	26		4.5		1.0	7	LUZON, PHILIPPINE ISLANDS
	30	12	32	22.3	45.684	N	26.420	E	13		3.2		1.2	17	ROMANIA
	30	12	37	33.8%	31.455	S	69.211	W	120	G			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	30	13	08	10.9%	45.949	N	0.009	W	21				0.9	13	FRANCE. ML 3.1 (LDG).
	30	13	09	02.4%	38.160	N	24.148	E	10	G			1.0	5	AEGEAN SEA. MD 2.8 (ATH).
	30	14	05	06.9	44.249	N	20.554	E	10	G			0.8	7	YUGOSLAVIA. MG 2.7 (BEO).
a	30	16	24	53.8*	41.333	S	88.411	W	10	G	4.9	5.1	0.9	35	WEST CHILE RISE
	30	16	59	50.0?	76.25	N	9.83	E	10	G	4.4		1.4	7	SVALBARD REGION
	30	17	16	28.4*	16.499	N	120.773	E	33	N	4.2		0.8	6	LUZON, PHILIPPINE ISLANDS
	30	17	52	37.6	34.481	N	25.542	E	45		4.3	3.4	1.2	116	CRETE. MD 4.5 (ATH), 4.3 (HLW).
	30	20	06	18.1?	18.23	S	173.48	W	33	N	5.3		0.4	9	TONGA ISLANDS
	30	20	31	36.6*	40.340	N	63.173	E	33	N	4.3		1.0	11	UZBEK SSR
	30	21	50	10.0*	53.686	N	163.929	W	33	N	4.7		0.8	31	UNIMAK ISLAND REGION
	31	00	05	00.5%	38.343	N	22.095	E	10	G			1.4	5	GREECE. ML 3.0 (ATH).
	31	00	36	38.0*	16.658	N	61.222	W	33	N			0.5	8	LEEWARD ISLANDS. ML 3.1 (FDF).
	31	00	44	23.7?	16.35	N	120.82	E	10	G			0.7	4	LUZON, PHILIPPINE ISLANDS
	31	00	53	42.4	32.906	S	71.628	W	20				1.0	15	NEAR COAST OF CENTRAL CHILE
	31	01	43	49.5	42.356	N	126.699	W	10	G	4.0		0.7	51	OFF COAST OF OREGON
	31	01	48	06.9*	73.609	N	8.995	E	10	G	4.4		1.5	12	GREENLAND SEA
	31	02	05	21.1&	60.070	N	152.810	W	98					32	SOUTHERN ALASKA. <AGS-P>.
	31	02	15	44.6	24.201	N	126.565	E	18	D	4.9		1.2	55	RYUKYU ISLANDS
	31	02	48	07.6	38.407	N	26.049	E	10	G			1.0	17	AEGEAN SEA. ML 3.3 (ATH).
	31	02	52	59.4	36.615	N	71.263	E	228	*	4.3		0.8	49	AFGHANISTAN-USSR BORDER REGION
	31	03	17	29.3	42.382	N	126.654	W	10	G	4.7		0.9	96	OFF COAST OF OREGON. ML 5.1 (BRK).
a	31	03	19	46.8	42.416	N	126.682	W	10	G	5.7	5.4	1.2	346	OFF COAST OF OREGON. ML 5.1 (BRK).
	31	03	24	21.2%	43.391	N	5.436	E	10	G			0.6	8	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	31	03	41	17.3?	41.85	N	12.80	E	10	G			0.6	4	SOUTHERN ITALY
	31	04	12	47.5?	0.54	S	14.27	W	10	G	4.8		0.9	7	NORTH OF ASCENSION ISLAND
o	31	04	28	44.1	10.946	S	162.206	E	55	*	4.9		1.2	41	SOLOMON ISLANDS
	31	04	58	00.1*	15.766	N	121.621	E	33	N	4.2		1.1	5	LUZON, PHILIPPINE ISLANDS
	31	05	29	41.4	16.383	N	120.850	E	29		4.4		1.1	11	LUZON, PHILIPPINE ISLANDS
	31	06	36	06.6?	32.45	S	71.99	W	21	*			0.4	9	NEAR COAST OF CENTRAL CHILE
	31	06	49	31.7	37.245	N	21.462	E	58		4.8		1.4	210	SOUTHERN GREECE. MD 4.9 (HLW), 4.7 (ATH). Felt on the Pelopannisos.
	31	07	20	57.5*	45.489	N	6.550	E	20	*			0.4	9	FRANCE
	31	07	30	10.7?	18.52	N	94.51	W	33	N	4.3		0.9	14	GULF OF CAMPECHE. MD 4.7 (UNM). Felt at Coatzacoalcos, Mexico.
	31	07	32	40.1&	34.456	N	106.862	W	8					14	NEW MEXICO. <SNM>. MD 3.3 (SNM). Felt in the Bernardo area.
	31	08	19	26.4?	24.95	N	96.47	E	33	N	4.2		1.6	8	BURMA
	31	08	45	03.2?	32.77	S	68.65	W	24	?			0.5	5	MENDOZA PROVINCE, ARGENTINA
	31	09	15	17.3	17.712	N	61.288	W	55	*	4.6	3.7	1.2	32	LEEWARD ISLANDS
	31	09	24	06.9%	39.254	N	27.733	E	10	G			1.6	6	TURKEY
	31	09	55	16.5	14.230	N	91.081	W	93		4.5		1.1	67	GUATEMALA. Felt (II) at San Salvador, El Salvador. Felt in southern Guatemala.
	31	10	45	54.3%	42.595	N	18.914	E	10	G			0.5	5	YUGOSLAVIA. ML 2.2 (TTG).
	31	11	31	34.6?	32.34	N	46.81	E	51	?	4.1		0.8	5	IRAN-IRAQ BORDER REGION
	31	12	10	26.3?	32.37	S	69.95	W	28	*			1.4	7	MENDOZA PROVINCE, ARGENTINA
	31	12	14	13.9	45.118	N	6.612	E	13				0.4	14	FRANCE
	31	12	37	48.2&	61.033	N	151.248	W	64					28	SOUTHERN ALASKA. <AGS-P>.
	31	13	08	41.0?	45.15	N	6.47	E	10	G			0.2	4	FRANCE. ML 2.0 (GEN).
	31	13	28	20.1	44.998	N	148.022	E	11		4.7		0.9	27	KURIL ISLANDS

	31	13 37 28.7%	46.051	N	2.755	E	10	G		0.6	10	FRANCE. ML 2.3 (LDG).
	31	13 49 21.6*	4.490	N	127.630	E	149	*	5.0	0.8	24	TALAUD ISLANDS
	31	15 50 52.8	43.022	N	17.807	E	10	G	4.9	1.3	187	YUGOSLAVIA. ML 4.8 (TTG), 4.9 (ZAG), 4.8 (KBA). MD 4.8 (TRI). Slight damage (VII) in the epicentral region. Felt (V) at Herceg Novi, Kotor, Niksic and Danilovgrad; (IV) at Titograd.
	31	15 59 56.1?	38.96	N	23.45	E	10	G		0.1	4	GREECE. ML 2.8 (ATH).
	31	16 18 59.0?	31.37	S	68.65	W	87	?		0.1	6	SAN JUAN PROVINCE, ARGENTINA
	31	16 35 03.0	44.568	N	7.314	E	10	G		0.9	56	NORTHERN ITALY. ML 3.3 (GEN), 3.2 (LDG).
	31	16 50 37.9&	63.0B5	N	150.781	W	119				27	CENTRAL ALASKA. <AGS-P>.
	31	17 06 48.8*	38.693	N	24.889	E	10	G		0.8	5	AEGEAN SEA. ML 3.1 (ATH).
	31	17 24 54.1*	32.808	S	68.882	W	10	G		0.3	6	MENDOZA PROVINCE, ARGENTINA
	31	17 34 03.2	43.054	N	17.864	E	10	G		1.4	18	YUGOSLAVIA. ML 3.1 (TTG).
o	31	18 25 50.7	3.812	N	95.369	E	30	D	5.3 4.6	0.8	144	OFF W COAST OF NORTHERN SUMATERA
	31	19 13 13.9	47.696	N	7.692	E	10	G		0.5	8	SWITZERLAND. ML 2.3 (LDG).
	31	19 35 19.9?	19.00	N	67.07	W	10	G		0.4	5	MONA PASSAGE
	31	19 50 55.7*	36.408	N	9.381	W	10	G		1.0	12	WEST OF GIBRALTAR. MD 3.3 (RBA). mbLg 3.2 (MDD).
	31	19 55 19.9?	23.68	N	123.23	E	10	G		1.2	6	SOUTHWESTERN RYUKYU ISLANDS
	31	20 11 02.6	37.072	N	27.892	E	33	N		1.1	9	TURKEY
	31	21 19 57.1*	43.025	N	18.083	E	10	G		1.3	13	YUGOSLAVIA. ML 3.1 (TTG).
	31	22 27 48.4	15.358	N	146.890	E	46	*	4.9 4.2	1.1	56	MARIANA ISLANDS
	31	22 32 58.1%	38.142	N	23.260	E	10	G		0.5	5	GREECE. ML 2.9 (ATH).
	31	23 03 33.4	38.341	N	22.217	E	10	G		1.3	10	GREECE. ML 3.2 (ATH).
	31	23 04 26.5	32.564	S	70.836	W	67	*		0.4	14	CHILE-ARGENTINA BORDER REGION
	31	23 05 08.6?	5.53	S	144.87	E	92	?	4.1	0.7	6	PAPUA NEW GUINEA
	31	23 15 16.2	43.016	N	17.784	E	10	G	4.0	1.2	143	YUGOSLAVIA. ML 4.6 (KBA), 4.4 (TTG). MD 4.6 (TRI). Felt (III) at Titograd. Felt throughout southern Dalmatia, Bosnia and Herzegovina and Montenegro.
	31	23 39 39.7	42.971	N	17.838	E	9			1.1	15	ADRIATIC SEA. ML 2.8 (TTG).
	31	23 49 46.3&	48.836	N	122.175	W	0		3.6		64	WASHINGTON. <SEA>. ML 3.5 (SEA). Felt (IV) at Deming.
	31	23 53 24.3%	44.158	N	8.540	E	10	G		0.3	5	NORTHERN ITALY. ML 2.0 (GEN).

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

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02 18 27 33.70  11.838S  65.657E  10km
   5.3mb ( 58 obs.)  4.9Msz (  4 obs.)
   MID-INDIAN RISE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 24C
   Centroid Location:
   Origin Time        18:27:45.0 1.1
   Lat 12.06S 0.12 Lon  66.23E 0.09
   Dep  15.0 FIX Half-duration  1.7
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 10.63  Plg=26  Azm= 50
     N       -2.11      12      314
     P       -8.52      60      201
   Best Double Couple:Mo=9.6*10**16
    NP1:Strike=167 Dip=22 Slip= -55
    NP2:        310     73     -103

03 07 45 20.23   6.138S 149.813E  52km
   5.2mb ( 18 obs.)  5.1Msz (  9 obs.)
   NEW BRITAIN REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 26C
   Centroid Location:
   Origin Time        07:45:30.9 0.8
   Lat  5.74S 0.06 Lon 150.25E 0.05
   Dep  15.0 FIX Half-duration  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.55  Plg=74  Azm= 11
     N        0.19       7      258
     P       -2.74      15      166
   Best Double Couple:Mo=2.7*10**17
    NP1:Strike=246 Dip=31 Slip=  77
    NP2:         81     60       98

03 18 32 14.11  35.926N 140.049E  79km
   5.1mb ( 47 obs.)
   NEAR EAST COAST OF HONSHU, JAPAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 15C
   Centroid Location:
   Origin Time        18:32:16.9 0.7
   Lat 35.99N 0.07 Lon 140.40E 0.06
   Dep  56.4 6.8 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.60  Plg=69  Azm=190
     N        0.14      21      358
     P       -6.74       4       89
   Best Double Couple:Mo=6.7*10**16
    NP1:Strike=200 Dip=45 Slip= 120
    NP2:        341     52       64

04 02 24 41.94  25.372N 124.473E 133km
   5.6mb ( 97 obs.)
   NORTHEAST OF TAIWAN
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=215 Dip=83 Slip=  50
    NP2:        117     41      169
   Principal Axes:
     T                Plg=39  Azm= 89
     P                   27      336
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to reverse
     faulting with a large strike-
     slip component. The preferred
     fault plane is not determined.
   MOMENT TENSOR SOLUTION
   Dep 114            No. of sta:  5
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.37  Plg=28  Azm= 95
     N        0.03      39      211
     P       -2.40      38      340
   Best Double Couple:Mo=2.4*10**17
    NP1:Strike=132 Dip=40 Slip=-171
    NP2:         35     85      -51
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 14C
   Centroid Location:
   Origin Time        02:24:42.5 0.4
   Lat 24.96N 0.05 Lon 124.19E 0.07
   Dep 135.0 2.4 Half-duration  2.5
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.01  Plg=34  Azm= 88
     N        0.22      43      217
     P       -3.23      28      337
   Best Double Couple:Mo=3.1*10**17
    NP1:Strike=120 Dip=43 Slip= 175
    NP2:        214     86       47

05 01 09 26.67  37.591N  69.241E  31km
   4.8mb ( 31 obs.)  4.6Msz (  4 obs.)
   AFGHANISTAN-USSR BORDER REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 19C
   Centroid Location:
   Origin Time        01:09:22.3 1.4
   Lat 37.45N 0.13 Lon  68.93E 0.12
   Dep  15.0 FIX Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 13.42  Plg=32  Azm= 44
     N       -2.64      36      287
     P      -10.78      38      163
   Best Double Couple:Mo=1.2*10**17
    NP1:Strike=190 Dip=36 Slip=  -5
    NP2:        284     87     -126

05 22 41 20.52   0.091S 124.178E  72km
   5.3mb ( 32 obs.)
   MOLUCCA SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 30C
   Centroid Location:
   Origin Time        22:41:25.8 0.6
   Lat  0.20N 0.07 Lon 124.49E 0.08
   Dep  75.2 3.6 Half-duration  1.8
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  8.92  Plg=74  Azm=238
     N        1.95      13       22
     P      -10.87       9      114
   Best Double Couple:Mo=9.9*10**16
    NP1:Strike=219 Dip=38 Slip= 111
    NP2:         13     55       74

06 00 16 20.44   6.904S 108.120E  14km
   5.8mb ( 31 obs.)  4.8Msz (  3 obs.)
   JAVA
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=123 Dip=50 Slip=  90
    NP2:        303     40       90
   Principal Axes:
     T                Plg=85  Azm= 33
     P                    5      213
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting. The preferred fault
     plane is NP2.
   RADIATED ENERGY
    No. of sta:   6  Focal mech.  F
    Energy        2.4±0.5*10**12 Nm
   MOMENT TENSOR SOLUTION
   Dep   9            No. of sta:  8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.31  Plg=88  Azm=299
     N       -0.18       2      126
     P       -2.14       0       36
   Best Double Couple:Mo=2.2*10**17
    NP1:Strike=124 Dip=45 Slip=  87
    NP2:        308     45       93
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 27C
   Centroid Location:
   Origin Time        00:16:27.3 0.5
   Lat  6.95S 0.05 Lon 108.49E 0.05
   Dep  15.0 BDY Half-duration  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.48  Plg=71  Azm=248
     N       -0.28      12      118
     P       -2.20      14       25
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   Best Double Couple:Mo=2.3*10**17
    NP1:Strike= 98 Dip=33 Slip=  67
    NP2:        305     60       104

06 05 02 27.90  45.371N 150.170E  42km
   5.7mb ( 98 obs.)  5.2Msz ( 19 obs.)
   KURIL ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 26C
   Centroid Location:
   Origin Time        05:02:30.3 0.5
   Lat 45.33N 0.04 Lon 150.76E 0.05
   Dep  39.0 2.3 Half-duration  2.5
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.93  Plg=65  Azm=238
     N        0.70      20       22
     P       -3.62      13      117
   Best Double Couple:Mo=3.3*10**17
    NP1:Strike=232 Dip=36 Slip= 126
    NP2:         10     61       67

06 11 42 38.13   3.599S 150.996E 438km
   5.3mb ( 45 obs.)
   NEW IRELAND REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 24C
   Centroid Location:
   Origin Time        11:42:47.9 0.6
   Lat  2.79S 0.05 Lon 151.32E 0.04
   Dep 434.3 2.0 Half-duration  2.6
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.24  Plg=51  Azm= 65
     N       -0.42      39      253
     P       -2.83       4      160
   Best Double Couple:Mo=3.0*10**17
    NP1:Strike=216 Dip=53 Slip=  39
    NP2:        101     60      136

06 13 39 32.12   1.056N 121.500E  30km
   5.4mb ( 35 obs.)  5.0Msz ( 13 obs.)
   MINAHASSA PENINSULA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 25C
   Centroid Location:
   Origin Time        13:39:36.8 0.5
   Lat  1.42N 0.06 Lon 121.73E 0.08
   Dep  33.0 FIX Half-duration  2.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.75  Plg=16  Azm=296
     N        0.36      13      202
     P       -3.10      69       75
   Best Double Couple:Mo=2.9*10**17
    NP1:Strike= 45 Dip=31 Slip= -64
    NP2:        196     62     -105

06 19 34 52.49  36.861N  49.303E  35km
   5.3mb ( 68 obs.)  4.4Msz (  8 obs.)
   WESTERN IRAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 28C
   Centroid Location:
   Origin Time        19:34:59.3 1.2
   Lat 37.05N 0.12 Lon  49.48E 0.10
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  8.90  Plg=38  Azm=301
     N        1.36      37      176
     P      -10.26      31       59
   Best Double Couple:Mo=9.6*10**16
    NP1:Strike= 94 Dip=37 Slip=   6
    NP2:        359     86      127

07 15 37 24.42  12.217N 120.662E  27km
   5.5mb ( 49 obs.)  5.5Msz ( 14 obs.)
   MINDORO, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 27C
   Centroid Location:
   Origin Time        15:37:25.0 0.4
   Lat 11.83N 0.05 Lon 120.73E 0.05
   Dep  23.2 3.7 Half-duration  3.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  5.61  Plg=17  Azm=352
     N       -1.89      55      109
     P       -3.72      29      252
   Best Double Couple:Mo=4.7*10**17
    NP1:Strike= 35 Dip=56 Slip=-171
    NP2:        300     83      -34

07 16 27 51.49   5.981S 154.318E  66km
   5.4mb ( 29 obs.)
   SOLOMON ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 19C
   Centroid Location:
   Origin Time        16:27:50.5 3.3
   Lat  6.07S 0.24 Lon 154.83E 0.16
   Dep  47.711.5 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  7.54  Plg=61  Azm=303
     N        0.20      18       68
     P       -7.73      22      165
   Best Double Couple:Mo=7.6*10**16
    NP1:Strike=285 Dip=28 Slip= 130
    NP2:         61     69       71

07 20 35 57.24  15.516S 168.091E  33km
   5.2mb ( 18 obs.)  4.9Msz (  2 obs.)
   VANUATU ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 23C
   Centroid Location:
   Origin Time        20:36: 9.7 1.3
   Lat 14.72S 0.16 Lon 168.01E 0.10
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.04  Plg=64  Azm=245
     N        0.56      10      356
     P       -6.61      24       90
   Best Double Couple:Mo=6.3*10**16
    NP1:Strike=200 Dip=23 Slip= 116
    NP2:        352     69       79

08 16 30 02.14  17.827S 178.903W 560km
   5.3mb ( 35 obs.)
   FIJI ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 29C
   Centroid Location:
   Origin Time        16:30:10.9 0.4
   Lat 17.36S 0.04 Lon 179.15W 0.03
   Dep 563.8 1.9 Half-duration  3.1
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  6.76  Plg=21  Azm=334
     N       -0.01      56      100
     P       -6.75      25      234
   Best Double Couple:Mo=6.8*10**17
    NP1:Strike= 15 Dip=56 Slip=-177
    NP2:        283     88      -34

09 11 22 20.35  35.066N  26.640E  60km
   4.9mb ( 51 obs.)
   CRETE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 27C
   Centroid Location:
   Origin Time        11:22:14.4 1.3
   Lat 34.45N 0.11 Lon  26.24E 0.09
   Dep  33.0 FIX Half-duration  1.9
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.59  Plg=19  Azm= 51
     N       -0.03       7      143
     P       -1.56      70      254
   Best Double Couple:Mo=1.6*10**17
    NP1:Strike=129 Dip=27 Slip=-106
    NP2:        327     64      -82

09 15 11 20.38   5.395N  31.654E  13km
   5.9mb ( 59 obs.)  6.4Msz ( 32 obs.)
   SUDAN
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=135 Dip=85 Slip=  15
    NP2:         44     75      175
   Principal Axes:
     T                Plg=14  Azm=  0
     P                     7      268
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to strike-slip
     faulting with a small reverse
     component. The preferred fault
     plane is not determined.
   RADIATED ENERGY
    No. of sta:   8  Focal mech.  C
    Energy        1.5±0.3*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep  10            No. of sta: 11
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  8.86  Plg= 6  Azm= 13
     N       -0.15      84      188
     P       -8.71       1      283
   Best Double Couple:Mo=8.8*10**18
    NP1:Strike= 58 Dip=85 Slip= 176
    NP2:        148     86        5
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 36C  M.W.: 12S, 27C
   Centroid Location:
   Origin Time        15:11:27.8 0.2
   Lat  5.83N 0.02 Lon  31.60E 0.02
   Dep  15.0 FIX Half-duration  6.0
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  3.48  Plg=14  Azm=336
     N       -0.34      37       77
     P       -3.14      50      229
   Best Double Couple:Mo=3.3*10**18
    NP1:Strike= 28 Dip=44 Slip=-149
    NP2:        274     69      -50

10 00 51 54.50   8.493N 103.127W  33km
   5.3mb ( 14 obs.)  5.5Msz (  6 obs.)
   OFF COAST OF MEXICO
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 26C
   Centroid Location:
   Origin Time        00:52: 0.0 0.7
   Lat  9.21N 0.06 Lon 103.59W 0.04
   Dep  15.0 FIX Half-duration  3.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  5.16  Plg= 9  Azm=212
     N       -0.80      81       21
     P       -4.36       2      122
   Best Double Couple:Mo=4.8*10**17
    NP1:Strike=256 Dip=83 Slip= 175
    NP2:        347     85        7

10 03 17 59.29  10.353S 161.119E  66km
   6.0mb ( 58 obs.)
   SOLOMON ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=100 Dip=85 Slip= -45
    NP2:        195     45     -173
   Principal Axes:
     T                Plg=26  Azm=156
     P                    34       47
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to normal faulting
     with a large strike-slip
     component. The preferred fault
     plane is not determined.
   RADIATED ENERGY
    No. of sta:   7  Focal mech.  F
    Energy        6.7±2.4*10**12 Nm
   MOMENT TENSOR SOLUTION
   Dep  75            No. of sta: 10
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  3.76  Plg=26  Azm=155
     N        0.01      60      303
     P       -3.76      14       58
   Best Double Couple:Mo=3.8*10**18
    NP1:Strike=194 Dip=61 Slip= 171
    NP2:        288     82       29
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 34C
   Centroid Location:
   Origin Time        03:18: 6.9 0.4
   Lat 10.09S 0.05 Lon 161.15E 0.02
   Dep  34.7 2.2 Half-duration  2.5
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  4.63  Plg=49  Azm=161
     N       -0.36      10      263
     P       -4.27      39        1
   Best Double Couple:Mo=4.4*10**18
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   NP1.Strike=145 Dip=12 Slip= 152
   NP2:        262     85        80

10 14 19 10.96  15.027S 173.699W  33km
   5.0mb ( 14 obs.)  4.7Msz (  2 obs.)
   TONGA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 23C
   Centroid Location:
   Origin Time        14:19:20.7 1.1
   Lat 15.18S 0.13 Lon 173.35W 0.08
   Dep  49.7 9.9 Half-duration  1.7
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  8.32  Plg=34  Azm=166
     N       -0.57      36       285
     P       -7.75      36        46
   Best Double Couple:Mo=8.0*10**16
    NP1:Strike=197 Dip=36 Slip=-178
    NP2:        106     89       -54

10 18 24 11.39  30.903S 177.777W  33km
   5.3mb (  9 obs.)  4.9Msz (  2 obs.)
   KERMADEC ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 22C
   Centroid Location:
   Origin Time        18:24:21.2 1.0
   Lat 30.09S 0.12 Lon 178.00W 0.08
   Dep  19.6 4.3 Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 10.65  Plg=64  Azm=281
     N        0.27       1        12
     P      -10.92      26       102
   Best Double Couple:Mo=1.1*10**17
    NP1:Strike=194 Dip=19 Slip=  92
    NP2:         12     71        89

11 15 14 04.50  59.325N 136.470W  10km
   5.8mb ( 62 obs.)  5.2Msz ( 16 obs.)
   SOUTHEASTERN ALASKA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 26C
   Centroid Location:
   Origin Time        15:14: 9.9 0.4
   Lat 59.56N 0.04 Lon 136.62W 0.07
   Dep  15.0 BDY Half-duration  2.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.41  Plg=73  Azm=348
     N        0.08      17       150
     P       -2.49       5       241
   Best Double Couple:Mo=2.5*10**17
    NP1:Strike=349 Dip=43 Slip= 115
    NP2:        136     52        69

11 19 48 08.14  25.355S 178.342E 585km
   5.6mb ( 50 obs.)
   SOUTH OF FIJI ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 26C
   Centroid Location:
   Origin Time        19:48:17.0 0.2
   Lat 25.22S  FIX;Lon 178.22E  FIX
   Dep 596.4 1.7 Half-duration  3.9
   Principal Axes:
     Scale 10**17 Nm
     T  Val= 14.65  Plg=23  Azm=210
     N       -3.43      56       339
     P      -11.22      23       109
   Best Double Couple:Mo=1.3*10**18
    NP1:Strike=250 Dip=56 Slip=-180
    NP2:        160     90       -34

11 19 49 13.92  25.366S 178.234E 590km
   5.4mb ( 19 obs.)
   SOUTH OF FIJI ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.. 11S, 20C
   Centroid Location:
   Origin Time        19.49:20.8 0.7
   Lat 24.74S 0.08 Lon 178.00E 0.06
   Dep 589.9 3.4 Half-duration  3.5
   Principal Axes:
     Scale 10**17 Nm
     T  Val= 10.66  Plg=22  Azm=209
     N       -1.59      50       328
     P       -9.07      31       105
   Best Double Couple:Mo=9.9*10**17
    NP1:Strike=250 Dip=50 Slip=-172
    NP2:        155     84       -40

12 23 08 22.53  14.647N  60.458W  28km
   5.5mb ( 65 obs.)  5.7Msz ( 25 obs.)
   WINDWARD ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 27C
   Centroid Location:
   Origin Time        23:08:26.0 0.4
   Lat 14.63N  FIX;Lon  60.46W  FIX
   Dep  25.0 4.5 Half-duration  3.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  6.19  Plg= 2  Azm=  6
     N        0.02      86       137
     P       -6.21       3       276
   Best Double Couple:Mo=6.2*10**17
    NP1:Strike= 51 Dip=86 Slip=-180
    NP2:        321     90        -4

13 08 11 37.33   6.245S 154.787E  59km
   5.6mb ( 40 obs.)
   SOLOMON ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 18C
   Centroid Location:
   Origin Time        08:11:48.0 1.4
   Lat  5.94S 0.13 Lon 154.34E 0.05
   Dep  61.5 3.8 Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.02  Plg=81  Azm=297
     N        0.39       8       137
     P       -2.41       3        47
   Best Double Couple:Mo=2.2*10**17
    NP1:Strike=128 Dip=43 Slip=  77
    NP2:        325     49       101

13 08 36 36.91  13.30 S 112.27 W  10km
   5.1mb (  6 obs.)  4.9Msz (  2 obs.)
   NORTHERN EASTER I. CORDILLERA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 27C
   Centroid Location:
   Origin Time        08:36:42.7 1.1
   Lat 13.65S 0.11 Lon 112.12W 0.06
   Dep  15.0 FIX Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.17  Plg= 0  Azm=145
     N       -0.53      90       180
     P       -1.64       0        55
   Best Double Couple:Mo=1.9*10**17
    NP1:Strike=190 Dip=90 Slip=-180
    NP2:        280     90         0

13 14 20 43.47  36.415N  70.789E 217km
   5.6mb ( 87 obs.)
   HINDU KUSH REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 32C  M.W.: 11S, 22C
   Centroid Location:
   Origin Time        14:20:50.6 0.2
   Lat 36.68N 0.02 Lon  70.61E 0.02
   Dep 217.1 1.0 Half-duration  5.6
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  3.96  Plg=62  Azm=  9
     N       -0.31       1       101
     P       -3.65      28       191
   Best Double Couple:Mo=3.8*10**18
    NP1:Strike=283 Dip=17 Slip=  93
    NP2:        100     73        89

14 03 48 32.41  10.484S 161.411E  92km
   5.4mb ( 27 obs.)
   SOLOMON ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.· 13S, 19C
   Centroid Location·
   Origin Time        03:48:37.8 0.6
   Lat  9.97S 0.09 Lon 161.48E 0.07
   Dep  91.5 2.7 Half-duration  1.9
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 14.50  Plg= 5  Azm=302
     N       -2.60      39       208
     P      -11.89      50        38
   Best Double Couple:Mo=1.3*10**17
    NP1:Strike= 67 Dip=53 Slip= -37
    NP2:        181     61      -136

14 05 54 25.49   0.003N  17.376W  11km
   6.2mb ( 70 obs.)  6.4Msz ( 33 obs.)
   NORTH OF ASCENSION ISLAND
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=160 Dip=90 Slip=   8
    NP2:         70     82       180
   Principal Axes:
     T                Plg= 6  Azm= 25
     P                     6      295
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to strike-slip
     faulting with a small reverse
     component. The preferred fault
     plane is not determined.
   RADIATED ENERGY
    No. of sta:   8  Focal mech.  F
    Energy        7.4±1.9*10**14 Nm
   MOMENT TENSOR SOLUTION
   Dep  12            No. of sta:  9
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  6.39  Plg=17  Azm= 45
     N       -0.17      70       256
     P       -6.22      10       138
   Best Double Couple:Mo=6.3*10**18
    NP1:Strike=182 Dip=71 Slip=   5
    NP2:         90     85       161
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 21S, 58C  M.W.: 15S, 38C
   Centroid Location:
   Origin Time        05:54:33.2 0.2
   Lat  0.27N 0.01 Lon  17.26W 0.01
   Dep  23.0 1.1 Half-duration  7.6
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  9.09  Plg=16  Azm= 37
     N       -1.04      70       178
     P       -8.05      12       303
   Best Double Couple:Mo=8.6*10**18
    NP1:Strike= 79 Dip=70 Slip= 177
    NP2:        170     87        20

14 07 24 39.68   0.074S  17.523W  12km
   5.8mb ( 73 obs.)  5.5Msz (  2 obs.)
   NORTH OF ASCENSION ISLAND
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=330 Dip=86 Slip= -16
    NP2:         61     74      -176
   Principal Axes:
     T                Plg= 8  Azm= 17
     P                    14      284
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to strike-slip
     faulting with a moderate
     normal component. The
     preferred fault plane is not
     determined.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 22C
   Centroid Location:
   Origin Time        07:24:45.3 1.2
   Lat  0.61N 0.11 Lon  17.68W 0.09
   Dep  15.0 FIX Half-duration  3.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.98  Plg= 0  Azm=207
     N       -0.59      90       180
     P       -4.40       0       117
   Best Double Couple:Mo=4.7*10**17
    NP1:Strike=252 Dip=90 Slip=-180
    NP2:        342     90         0

14 16 12 26.45  11.721N 143.165E  27km
   5.6mb ( 25 obs.)  5.2Msz ( 21 obs.)
   SOUTH OF MARIANA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 29C
   Centroid Location:
   Origin Time        16:12:28.4 0.3
   Lat 11.60N 0.03 Lon 143.24E 0.05
   Dep  15.0 BDY Half-duration  2.4
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   Principal Axes.
     Scale 10**17 Nm
     T  Val=  2.80  Plg=73  Azm=348
     N        0.24       1       254
     P       -3.04      17       163
   Best Double Couple:Mo=2.9*10**17
    NP1:Strike=251 Dip=28 Slip=  87
    NP2:        74     62        91

14 18 49 31.96  17.411S 174.283W 161km
   5.5mb ( 52 abs.)
   TONGA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 31C
   Centroid Location:
   Origin Time        18:49:39.8 0.3
   Lat 17.23S 0.04 Lon 174.08W 0.03
   Dep 170.3 1.1 Half-duration  2.6
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.55  Plg=43  Azm=276
     N        0.67       8        14
     P       -4.22      46       113
   Best Double Couple:Mo=3.9*10**17
    NP1:Strike=297 Dip= 9 Slip=-168
    NP2:       195     88       -82

15 05 32 41.62  52.854N 168.349W  60km
   5.1mb ( 69 abs.)
   FOX ISLANDS, ALEUTIAN ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 28C
   Centroid Location:
   Origin Time        05:32:45.7 0.6
   Lat 53.32N 0.08 Lon 168.69W 0.08
   Dep  49.0 5.3 Half-duration  1.8
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 11.13  Plg=63  Azm=298
     N        0.22       7        40
     P      -11.36      26       134
   Best Double Couple:Mo=1.1*10**17
    NP1:Strike=239 Dip=20 Slip= 110
    NP2:        38     72        83

15 10 01 06.69  23.124S 175.210W  38km
   5.6mb ( 14 abs.)  5.2Msz (  6 abs.)
   TONGA ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 28C
   Centroid Location:
   Origin Time        10:01:19.0 1.4
   Lat 23.01S 0.10 Lon 175.70W 0.10
   Dep  37.0 4.4 Half-duration  2.0
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 11.92  Plg=64  Azm=270
     N        4.30      14        30
     P      -16.22      22       125
   Best Double Couple:Mo=1.4*10**17
    NP1:Strike=239 Dip=26 Slip= 122
    NP2:        24     68        75

15 20 13 29.92   9.126S 118.223E  87km
   5.3mb ( 30 abs.)
   SUMBAWA ISLAND REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 24C
   Centroid Location:
   Origin Time        20:13:32.6 1.9
   Lat  9.38S 0.15 Lon 118.32E 0.08
   Dep 120.7 4.0 Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  9.04  Plg=27  Azm=324
     N        0.56      63       141
     P       -9.60       2       234
   Best Double Couple:Mo=9.3*10**16
    NP1:Strike=  6 Dip=70 Slip= 162
    NP2:       102     73        21

16 07 26 34.61  15.679N 121.172E  25km
   6.5mb ( 87 abs.)  7.8Msz ( 20 abs.)
   LUZON, PHILIPPINE ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=167 Dip=69 Slip=  18
    NP2:        70     73       158
   Principal Axes:
     T                Plg=27  Azm= 28
     P                 3       119
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to strike-slip
     faulting with a moderate
     reverse component. The
     preferred fault plane is NP1.
   RADIATED ENERGY
    No. of sta:   4  Focal mech.  F
    Energy        2.4±0.7*10**15 Nm
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 29C  M.W.: 15S, 41C
   Centroid Location:
   Origin Time        07:26:52.8 0.2
   Lat 15.97N 0.01 Lon 121.23E 0.01
   Dep  15.0 FIX Half-duration 20.0
   Principal Axes:
     Scale 10**20 Nm
     T  Val=  4.22  Plg= 4  Azm=198
     N       -0.30      86       355
     P       -3.92       2       108
   Best Double Couple:Mo=4.1*10**20
    NP1:Strike=243 Dip=86 Slip= 178
    NP2:       333     88         4

16 19 14 51.74  24.249N 121.818E  19km
   5.5mb ( 73 abs.)  5.8Msz (  4 abs.)
   TAIWAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 18C
   Centroid Location:
   Origin Time        19:14:52.9 0.7
   Lat 23.73N 0.14 Lon 121.29E 0.17
   Dep  15.0 BDY Half-duration  2.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.35  Plg=57  Azm= 64
     N       -0.36      30       275
     P       -3.99      14       176
   Best Double Couple:Mo=4.2*10**17
    NP1:Strike=233 Dip=40 Slip=  40
    NP2:       110     65       123

16 19 45 25.11  16.365N 120.546E  33km
   5.4mb ( 63 abs.)  5.3Msz (  2 abs.)
   LUZON, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  6S, 12C
   Centroid Location:
   Origin Time        19:45:27.2 1.4
   Lat 16.35N  FIX;Lon 120.55E  FIX
   Dep  15.0 FIX Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.28  Plg= 4  Azm=180
     N        0.34      21        88
     P       -1.62      68       280
   Best Double Couple:Mo=1.5*10**17
    NP1:Strike=291 Dip=45 Slip= -59
    NP2:        71     53      -117

17 04 05 22.19   0.294S 122.761E  95km
   5.3mb ( 20 abs.)
   MINAHASSA PENINSULA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 25C
   Centroid Location:
   Origin Time        04:05:25.5 1.1
   Lat  0.12S 0.14 Lon 123.13E 0.15
   Dep  75.0 8.7 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  5.25  Plg=79  Azm= 26
     N        0.49      11       216
     P       -5.74       2       125
   Best Double Couple:Mo=5.5*10**16
    NP1:Strike=204 Dip=44 Slip=  74
    NP2:        46     48       105

17 06 11 12.75  16.248N 120.985E  13km
   5.2mb ( 27 abs.)  4.6Msz (  4 abs.)
   LUZON, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 14C
   Centroid Location:
   Origin Time        06:11.16.5 1.2
   Lat 16.22N  FIX;Lon 120.98E  FIX
   Dep  15.0 FIX Half-duration  1.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.50  Plg= 5  Azm= 13
     N       -0.33      78       126
     P       -1.17      11       282
   Best Double Couple:Mo=1.3*10**17
    NP1:Strike= 58 Dip=79 Slip=-176
    NP2:       327     86       -11

17 18 06 35.33  16.433N 120.838E  18km
   5.5mb ( 62 obs.)  6.0Msz ( 19 obs.)
   LUZON, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 23C
   Centroid Location:
   Origin Time        18:06:39.0 0.4
   Lat 16.46N 0.05 Lon 120.93E 0.06
   Dep  15.0 FIX Half-duration  4.0
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.52  Plg= 5  Azm=  0
     N       -0.14      83       135
     P       -1.38       5       270
   Best Double Couple:Mo=1.5*10**18
    NP1:Strike= 45 Dip=83 Slip= 180
    NP2:       135     90         7

17 21 14 43.86  16.495N 120.981E  23km
   6.1mb ( 89 abs.)  6.6Msz ( 23 abs.)
   LUZON, PHILIPPINE ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=167 Dip=69 Slip=  11
    NP2:        73     80       159
   Principal Axes:
     T                Plg=22  Azm= 28
     P                 7       121
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to left-lateral
     strike-slip faulting with a
     moderate reverse component.
     The preferred fault plane is
     NP1.
   RADIATED ENERGY
    No. of sta:   5  Focal mech.  F
    Energy        2.6±0.9*10**14 Nm
   MOMENT TENSOR SOLUTION
   Dep   7            No. of sta: 12
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  5.15  Plg=59  Azm= 20
     N        1.23      30       210
     P       -6.38       5       117
   Best Double Couple:Mo=5.8*10**18
    NP1:Strike=179 Dip=48 Slip=  47
    NP2:        53     57       127
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 28C  M.W.: 11S, 25C
   Centroid Location:
   Origin Time        21:14:45.6 0.2
   Lat 16.36N 0.02 Lon 121.19E 0.02
   Dep  15.0 BDY Half-duration  6.3
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  6.28  Plg=83  Azm=358
     N       -0.08       5       220
     P       -6.20       5       129
   Best Double Couple:Mo=6.2*10**18
    NP1:Strike=213 Dip=41 Slip=  82
    NP2:        44     50        97

18 05 18 29.95  12.615N  87.386W  58km
   4.7mb ( 37 abs.)
   NEAR COAST OF NICARAGUA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 33C
   Centroid Location:
   Origin Time        05:18:35.3 0.5
   Lat 12.54N 0.05 Lon  88.09W 0.04
   Dep  49.0 2.5 Half-duration  2.5
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.24  Plg=84  Azm= 50
     N        0.35       2       302
     P       -3.59       6       211
   Best Double Couple:Mo=3.4*10**17
    NP1:Strike=299 Dip=39 Slip=  87
    NP2:       123     51        93

18 08 00 12.88  16.511N 121.007E  14km
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   5.8mb ( 83 obs )  5.3Msz (  9 obs.)
   LUZON, PHILIPPINE ISLANDS
   FAULT PLANE SOLUTION. P-Waves
    NP1:Strike=170 Dip=62 Slip=  20
    NP2:          70     72       150
   Principal Axes:
     T                Plg=33  Azm= 28
     P                     7       122
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to left-lateral
     strike-slip faulting with a
     moderate reverse component.
     The preferred fault plane is
     NP1.
   RADIATED ENERGY
    No. of sta:   4  Focal mech.  C
    Energy          1.2±0.2*10**12 Nm
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 26C
   Centroid Location:
   Origin Time        08:00:13.4 0.4
   Lat 16.19N 0.05 Lon 120.72E 0.08
   Dep  15.0 FIX Half-duration  2.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.39  Plg=84  Azm=337
     N        0.32       3       218
     P       -2.71       6       128
   Best Double Couple:Mo=2.5*10**17
    NP1:Strike=214 Dip=39 Slip=  85
    NP2:         41     51        94

18 11 29 24.95  36.990N  29.595E  17km
   5.2mb ( 61 obs.)  5.1Msz (  7 obs.)
   TURKEY
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 24C
   Centroid Location:
   Origin Time        11:29:34.0 0.5
   Lat 37.00N  FIX;Lon  29.64E  FIX
   Dep  15.0 FIX Half-duration  1.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.39  Plg= 1  Azm=352
     N       -0.33      18        82
     P       -2.06      72       260
   Best Double Couple:Mo=2.2*10**17
    NP1:Strike= 65 Dip=47 Slip=-114
    NP2:        278     48       -66

18 15 39 29.49   0.435N 125.469E  84km
   5.0mb ( 14 obs.)
   MOLUCCA PASSAGE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 27C
   Centroid Location:
   Origin Time        15:39:35.8 1.2
   Lat  0.91N 0.12 Lon 125.53E 0.10
   Dep  45.6 7.8 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  5.17  Plg=64  Azm=283
     N       -0.18       4        21
     P       -4.98      26       113
   Best Double Couple:Mo=5.1*10**16
    NP1:Strike=213 Dip=20 Slip= 102
    NP2:         20     71        86

18 16 38 06.19   0.872N 127.033E  52km
   5.2mb ( 25 obs.)  4.5Msz (  9 obs.)
   HALMAHERA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 30C
   Centroid Location:
   Origin Time        16:38: 3.5 0.6
   Lat  0.93N  FIX;Lon 126.92E  FIX
   Dep  15.0 FIX Half-duration  1.9
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 12.93  Plg= 6  Azm= 24
     N       -1.30      64       282
     P      -11.63      25       116
   Best Double Couple:Mo=1.2*10**17
    NP1:Strike=157 Dip=68 Slip= -14
    NP2:        253     77      -158

18 17 21 47.06   6.820S 130.601E  97km
   5.7mb ( 54 abs.)
   BANDA SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 32C
   Centroid Location:
   Origin Time        17:21:52.3 0.6
   Lat  6.63S 0.05 Lon 130.51E 0.03
   Dep 110.0 1.5 Half-duration  2.5
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.25  Plg=51  Azm=283
     N        0.55      36       125
     P       -3.80      11        27
   Best Double Couple:Mo=3.5*10**17
    NP1:Strike= 81 Dip=47 Slip=  35
    NP2:        325     65       131

20 04 05 25.31   4.661N  82.601W  10km
   4.9mb ( 39 abs.)  4.3Msz (  3 abs.)
   SOUTH OF PANAMA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 22C
   Centroid Location:
   Origin Time        04:05:28.0 2.7
   Lat  4.58N 0.22 Lon  82.72W 0.10
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.20  Plg= 0  Azm=131
     N        0.35      90       180
     P       -6.55       0        41
   Best Double Couple:Mo=6.4*10**16
    NP1:Strike=176 Dip=90 Slip=-180
    NP2:        266     90         0

20 15 11 17.86  16.386N 120.938E  17km
   5.5mb ( 42 abs.)  5.4Msz ( 13 obs.)
   LUZON, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 27C
   Centroid Location:
   Origin Time        15:11:22.4 0.7
   Lat 16.34N  FIX;Lon 120.97E  FIX
   Dep  15.0 FIX Half-duration  2.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.47  Plg=18  Azm= 25
     N        2.57      48       136
     P       -6.04      36       281
   Best Double Couple:Mo=4.8*10**17
    NP1:Strike= 69 Dip=50 Slip=-165
    NP2:        329     79       -41

21 07 23 35.82  16.400N 120.919E  26km
   5.4mb ( 46 abs.)  5.5Msz ( 12 obs.)
   LUZON, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 27C
   Centroid Location:
   Origin Time        07:23:42.9 0.7
   Lat 17.12N 0.07 Lon 120.40E 0.06
   Dep  15.0 FIX Half-duration  2.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.16  Plg=24  Azm=203
     N       -0.46      57       337
     P       -3.70      21       103
   Best Double Couple:Mo=3.9*10**17
    NP1:Strike=242 Dip=57 Slip= 177
    NP2:        333     88        33

22 01 26 09.44  19.133S 168.758E  46km
   5.0mb ( 11 abs.)  4.7Msz (  4 abs.)
   VANUATU ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 26C
   Centroid Location:
   Origin Time        01:26:18.4 0.8
   Lat 18.84S 0.09 Lon 168.37E 0.05
   Dep  60.3 3.9 Half-duration  1.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  0.93  Plg=70  Azm=169
     N        0.20      20       358
     P       -1.13       3       267
   Best Double Couple:Mo=1.0*10**17
    NP1:Strike=338 Dip=46 Slip=  62
    NP2:        195     51       116

22 06 03 04.64  16.445N 121.059E  13km
   5.4mb ( 75 obs.)  4.7Msz (  7 obs.)
   LUZON, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 21C
   Centroid Location:
   Origin Time        06:03:10.1 0.8
   Lat 16.42N  FIX;Lon 121.05E  FIX
   Dep  15.0 FIX Half-duration  1.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.28  Plg=51  Azm=176
     N        0.18      20        59
     P       -1.46      32       315
   Best Double Couple:Mo=1.4*10**17
    NP1:Strike=357 Dip=23 Slip=  26
    NP2:        243     80       111

22 09 26 14.60  23.622S 179.893W 531km
   5.9mb ( 62 obs.)
   SOUTH OF FIJI ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=210 Dip=70 Slip=  80
    NP2:         57     22       116
   Principal Axes:
     T                Plg=64  Azm=104
     P                    24       308
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting with a large strike-
     slip component. The preferred
     fault plane is NP2.
   RADIATED ENERGY
    No. of sta:   7  Focal mech.  F
    Energy          1.2±0.4*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep 515            No. of sta:  8
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.49  Plg=46  Azm= 80
     N        0.00      42       236
     P       -1.49      12       337
   Best Double Couple:Mo=1.5*10**18
    NP1:Strike=106 Dip=49 Slip= 152
    NP2:        216     69        45
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 16S, 38C  M.W.:  9S, 13C
   Centroid Location:
   Origin Time        09:26:25.1 0.3
   Lat 23.15S 0.03 Lon 179.83W 0.02
   Dep 559.2 0.8 Half-duration  5.2
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  2.96  Plg=60  Azm= 85
     N        0.17      16       205
     P       -3.13      25       302
   Best Double Couple:Mo=3.0*10**18
    NP1:Strike= 62 Dip=25 Slip= 130
    NP2:        199     71        73

22 12 26 58.86  12.036N 143.750E  23km
   5.4mb ( 26 obs.)  4.9Msz (  7 abs.)
   SOUTH OF MARIANA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 28C
   Centroid Location:
   Origin Time        12:26:55.0 1.3
   Lat 11.52N 0.09 Lon 144.32E 0.07
   Dep  15.0 FIX Half-duration  2.1
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.95  Plg=59  Azm= 30
     N        0.12      23       255
     P       -2.07      20       157
   Best Double Couple:Mo=2.0*10**17
    NP1:Strike=214 Dip=32 Slip=  44
    NP2:         85     68       115

22 16 32 18.12  36.918S  78.381E  10km
   4.9mb (  7 abs.)  5.1Msz (  5 abs.)
   MID-INDIAN RISE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 28C
   Centroid Location:
   Origin Time        16:32:26.2 0.5
   Lat 36.69S 0.06 Lon  78.27E 0.06
   Dep  15.0 FIX Half-duration  1.7
   Principal Axes:
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Scale 10**17 Nm
T Val= 1 07 Plg= 7 Azm=102
N 0.17 79 334
P -1.23 9 193
Best Double Couple:Mo=1.1*10**17
NP1:Strike=237 Dip=79 Slip= -1
NP2: 327 89 -169

23 00 48 58.90 16.488N 120.658E 20km
5.2mb (27 abs.) 5.3Msz (8 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 00:49: 1.4 0.6
Lat 16.62N FIX;Lon 120.62E FIX
Dep 15.4 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.53 Plg=54 Azm= 67
N 0.39 10 171
P -2.92 34 268
Best Double Couple:Mo=2.7*10**17
NP1:Strike= 35 Dip=14 Slip= 135
NP2: 169 80 80

23 05 27 08.31 9.481N 84.546W 29km
5.1mb (40 abs.) 5.1Msz (13 obs.)
COSTA RICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Location:
Origin Time 05:27: 7.7 0.5
Lat 9.48N FIX;Lon 84.55W FIX
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.12 Plg=25 Azm=279
N -0.49 1 189
P -1.63 65 96
Best Double Couple:Mo=1.9*10**17
NP1:Strike= 11 Dip=20 Slip= -87
NP2: 188 70 -91

23 10 57 28.28 4.711S 145.578E 30km
5.0mb (12 obs.) 4.7Msz (6 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 10:57:36.8 1.7
Lat 4.32S 0.13 Lon 145.67E 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 11.59 Plg=39 Azm=282
N -1.47 44 64
P -10.12 20 175
Best Double Couple:Mo=1.1*10**17
NP1:Strike=311 Dip=46 Slip= 164
NP2: 53 78 45

23 18 02 50.98 11.269N 122.348E 16km
5.5mb (46 obs.) 5.5Msz (20 obs.)
PANAY, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 18:02:54.0 0.6
Lat 11.21N FIX;Lon 122.34E FIX
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 2.52 Plg=20 Azm=165
N 0 42 64 304
P -2.93 15 69
Best Double Couple:Mo=2.7*10**17
NP1:Strike=206 Dip=64 Slip= 176
NP2: 297 87 26

23 19 33 12.68 14.152S 167.022E 144km
5.2mb (19 abs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 19:33:21.6 2.7
Lat 13.62S 0.26 Lon 166.24E 0.10
Dep 124.3 4.5 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.47 Plg= 0 Azm=233
N 1.14 89 143
P -10.60 1 323
Best Double Couple:Mo=1.0*10**17
NP1:Strike= 8 Dip=89 Slip= -1
NP2: 98 89 -179

23 22 20 42.02 16.100N 119.640E 18km
5.0mb (22 abs.) 5.1Msz (7 abs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 22:20:39.1 0.7
Lat 16.05N FIX;Lon 119.69E FIX
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.45 Plg= 3 Azm=159
N 0.23 48 66
P -1.68 42 252
Best Double Couple:Mo=1.6*10**17
NP1:Strike=287 Dip=59 Slip= -31
NP2: 34 64 -145

24 17 55 11.70 3.816S 151.388E 10km
5.0mb (13 abs.) 4.8Msz (1 abs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 17:55:19.9 1.9
Lat 3.58S 0.16 Lon 151.19E 0.09
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.95 Plg= 0 Azm=167
N -0.16 90 180
P -5.79 0 77
Best Double Couple:Mo=5.9*10**16
NP1:Strike=212 Dip=90 Slip=-180
NP2: 302 90 0

25 13 37 14.83 15.433S 174.723W 280km
5.0mb (28 abs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 13:37:25.0 1.4
Lat 14.54S 0.15 Lon 174.69W 0.06
Dep 256.1 4.7 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.88 Plg= 6 Azm= 92
N -0.77 14 1
P -5.10 74 204
Best Double Couple:Mo=5.5*10**16
NP1:Strike=198 Dip=41 Slip= -68
NP2: 349 52 -108

25 14 42 42.04 53.702N 156.713W 48km
5.7mb (81 abs.) 4.4Msz (5 abs.)
SOUTH OF ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 14:42:42.0 0.5
Lat 53.69N 0.04 Lon 156.71W 0.10
Dep 49.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 8.48 Plg=76 Azm= 18
N 0.74 0 288
P -9.22 14 198
Best Double Couple:Mo=8.9*10**16
NP1:Strike=287 Dip=31 Slip= 90
NP2: 108 59 90

26 04 18 28.91 7.504S 127.760E 131km
5.2mb (30 abs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 04:18:33.8 0.5
Lat 7.52S 0.05 Lon 127.67E 0.05
Dep 161.7 1.9 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.25 Plg=56 Azm=184
N -0.27 8 83
P -1.98 33 348
Best Double Couple:Mo=2.1*10**17
NP1:Strike= 49 Dip=14 Slip= 56
NP2: 264 79 98

26 06 53 56.38 27.247N 65.508E 19km
5.8mb (91 obs.) 5.8Msz (27 obs.)
PAKISTAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=225 Dip=83 Slip= 20
NP2: 132 70 173
Principal Axes:
T Plg=19 Azm= 90
P 9 357
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 3.4±1.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 11 No. of sta: 11
Principal Axes:
Scale 10**17 Nm
T Val= 7.69 Plg=23 Azm= 94
N 0.01 64 246
P -7.70 11 360
Best Double Couple:Mo=7.7*10**17
NP1:Strike=135 Dip=66 Slip= 171
NP2: 229 82 25
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 37C
Centroid Location:
Origin Time 06:54: 2.3 0.8
Lat 27.44N 0.07 Lon 65.81E 0.05
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**17 Nm
T Val= 7.78 Plg=20 Azm= 70
N -0.35 63 294
P -7.44 17 166
Best Double Couple:Mo=7.6*10**17
NP1:Strike=209 Dip=63 Slip= 2
NP2: 118 88 153

26 15 58 38.45 15.072N 147.622E 33km
4.8mb (20 abs.) 4.2Msz (3 abs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 15:58:36.7 1.9
Lat 15.15N FIX;Lon 147.56E FIX
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.66 Plg=31 Azm=328
N 0.18 10 231
P -5.85 57 125
Best Double Couple:Mo=5.8*10**16
NP1:Strike= 88 Dip=17 Slip= -52
NP2: 229 77 -101

27 00 54 56.80 16.062N 86.229W 14km
5.4mb (66 abs.) 4.5Msz (9 obs.)
CARIBBEAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 00:55: 0.6 0.8
Lat 16.06N FIX;Lon 86.25W FIX
Dep 15.0 BDY Half-duration 1.7
Principal Axes.
Scale 10**17 Nm
T Val= 1.54 Plg=32 Azm=304
N 0.16 12 41
P -1.70 55 149
Best Double Couple:Mo=1.6*10**17
NP1:Strike=357 Dip=17 Slip=-136

```
  NP2          224      78        -78

27 12 37 59.55  15.355S 167.464E 126km
  6.4mb ( 40 abs.)
  VANUATU ISLANDS
  FAULT PLANE SOLUTION: P-Waves
   NP1:Strike=175 Dip=50 Slip=  90
   NP2:        355     40        90
  Principal Axes:
    T                Plg=85  Azm= 85
    P                     5      265
  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.  M
   Energy        1.2±0.4*10**15 Nm
  MOMENT TENSOR SOLUTION
  Dep 131            No. of sta: 13
  Principal Axes:
    Scale 10**19 Nm
    T  Val=  6.82  Plg=68  Azm=178
    N        0.03      21       15
    P       -6.85       6      283
  Best Double Couple:Mo=6.8*10**19
   NP1:Strike=351 Dip=43 Slip=  58
   NP2:        212     54       116
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 18S, 48C  M.W.: 14S, 36C
  Centroid Location:
  Origin Time        12:38: 7.4 0.1
  Lat 15.50S 0.01 Lon 167.26E 0.01
  Dep 129.0 0.5 Half-duration 10.0
  Principal Axes:
    Scale 10**19 Nm
    T  Val=  7.24  Plg=66  Azm=152
    N        0.02      21        0
    P       -7.26      10      266
  Best Double Couple:Mo=7.2*10**19
   NP1:Strike=332 Dip=39 Slip=  55
   NP2:        194     59       115

28 08 42 51.21  15.429S 167.402E 113km
  5.5mb ( 44 abs.)
  VANUATU ISLANDS
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 16S, 34C
  Centroid Location:
  Origin Time        08:43: 1.1 0.5
  Lat 14.93S 0.06 Lon 167.04E 0.05
  Dep 115.8 2.4 Half-duration  2.4
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  2.25  Plg=57  Azm=175
    N        0.54      27       34
    P       -2.79      18      295
  Best Double Couple:Mo=2.5*10**17
   NP1:Strike=350 Dip=36 Slip=  40
   NP2:        226     68       119

28 13 59 48.70  36.42 S 104.52 W  10km
  4.7mb (  3 abs.)  4.8Msz (  2 abs.)
  SOUTHERN PACIFIC OCEAN
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 16S, 36C
  Centroid Location:
  Origin Time        13:59:59.2 0.2
  Lat 35.73S 0.02 Lon 103.99W 0.03
  Dep  15.0 FIX Half-duration  2.3
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  2.55  Plg= 0  Azm=234
    N       -0.28      90      180
    P       -2.27       0      144
  Best Double Couple:Mo=2.4*10**17
   NP1:Strike=279 Dip=90 Slip=-180
   NP2:          9     90        0

28 16 46 02.70   5.225N  32.604E  10km
  5.3mb ( 46 abs.)  5.0Msz ( 11 abs.)
  SUDAN
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 13S, 32C
  Centroid Location:
  Origin Time        16:46:12.4 1.4
  Lat  6.00N 0.11 Lon  32.05E 0.05
  Dep  15.0 FIX Half-duration  2.0
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  1.37  Plg= 0  Azm=187
    N       -0.30       0       97
    P       -1.07      90      180
  Best Double Couple:Mo=1.2*10**17
   NP1:Strike=277 Dip=45 Slip= -90
   NP2:         97     45      -90

29 15 29 12.51   4.893S  80.857W  39km
  5.1mb ( 34 abs.)  4.9Msz (  2 abs.)
  PERU-ECUADOR BORDER REGION
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 12S, 25C
  Centroid Location:
  Origin Time        15:29:17.1 0.7
  Lat  4.62S 0.07 Lon  80.36W 0.10
  Dep  60.5 8.3 Half-duration  1.6
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  7.08  Plg=58  Azm=145
    N        0.66       9       41
    P       -7.74      30      306
  Best Double Couple:Mo=7.4*10**16
   NP1:Strike= 10 Dip=17 Slip=  58
   NP2:        223     76       99

30 16 24 53.87  41.333S  88.411W  10km
  4.9mb (  7 abs.)  5.1Msz (  3 abs.)
  WEST CHILE RISE
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 17S, 39C
  Centroid Location:
  Origin Time        16:25: 0.1 0.2
  Lat 41.42S 0.04 Lon  88.25W 0.06
  Dep  15.0 FIX Half-duration  2.2
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  2.21  Plg= 2  Azm=228
    N       -0.22      85      335
    P       -1.99       5      138
  Best Double Couple:Mo=2.1*10**17
   NP1:Strike=273 Dip=85 Slip=-177
   NP2:        183     87       -5

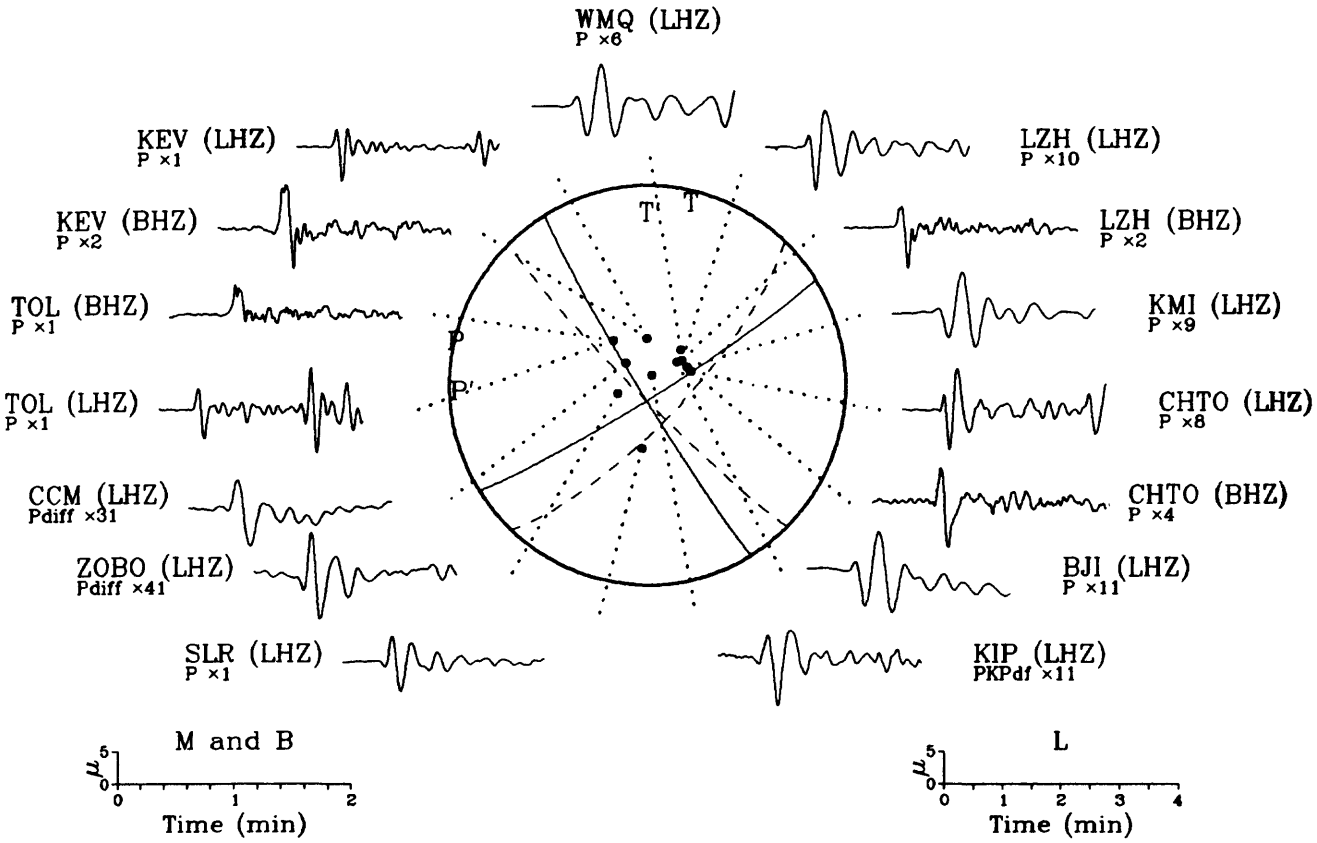
31 03 19 46.87  42.416N 126.682W  10km
  5.7mb ( 64 abs.)  5.4Msz ( 20 abs.)
  OFF COAST OF OREGON
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 12S, 29C
  Centroid Location:
  Origin Time        03:19:51.8 0.5
  Lat 42.62N 0.05 Lon 127.12W 0.04
  Dep  15.0 FIX Half-duration  2.5
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  5.57  Plg= 4  Azm=286
    N       -0.44      11       17
    P       -5.13      79      179
  Best Double Couple:Mo=5.3*10**17
   NP1:Strike=  5 Dip=43 Slip=-106
   NP2:        206     49      -76

31 04 28 44.12  10.946S 162.206E  55km
  4.9mb (  8 abs.)
  SOLOMON ISLANDS
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 13S, 25C
  Centroid Location:
  Origin Time        04:28:45.3 2.2
  Lat 10.77S 0.23 Lon 162.06E 0.09
  Dep  40.9 7.0 Half-duration  1.7
  Principal Axes:
    Scale 10**16 Nm
    T  Val= 11.17  Plg=63  Azm= 71
    N       -2.13       7      327
    P       -9.04      26      234
  Best Double Couple:Mo=1.0*10**17
   NP1:Strike=307 Dip=20 Slip=  68
   NP2:        149     72       98

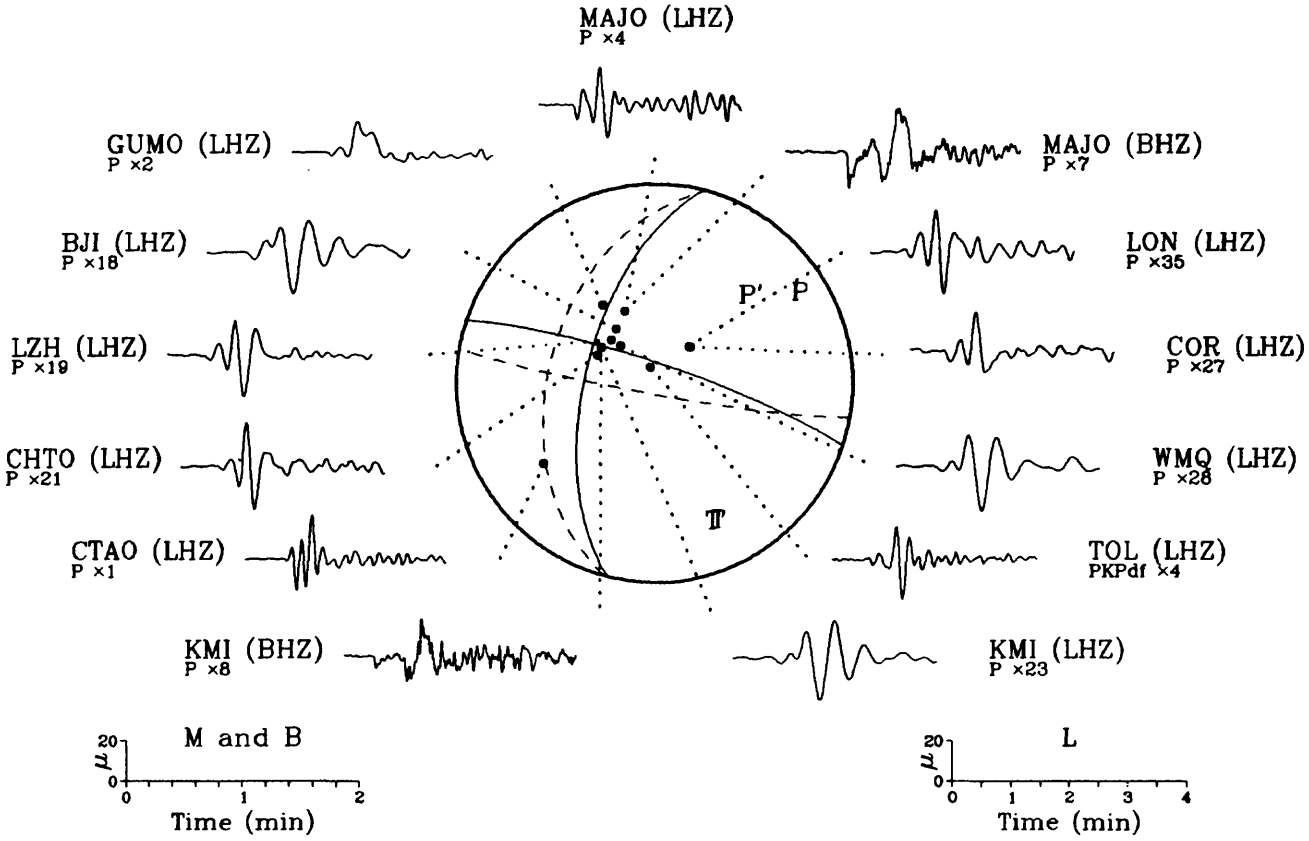
31 18 25 50.75   3.812N  95.369E  30km
  5.3mb ( 60 abs.)  4.6Msz (  6 abs.)
  OFF W COAST OF NORTHERN SUMATERA
  CENTROID, MOMENT TENSOR    (HRV)
  Data Used: GDSN
  L.P.B.: 13S, 24C
  Centroid Location:
  Origin Time        18:25:47.7 1.0
  Lat  3.32N 0.09 Lon  95.40E 0.10
  Dep  39.4 8.9 Half-duration  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  4.39  Plg=66  Azm=174
    N        0.64      21      322
    P       -5.03      11       57
  Best Double Couple:Mo=4.7*10**16
   NP1:Strike=171 Dip=38 Slip= 125
   NP2:        310     60       66
```

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

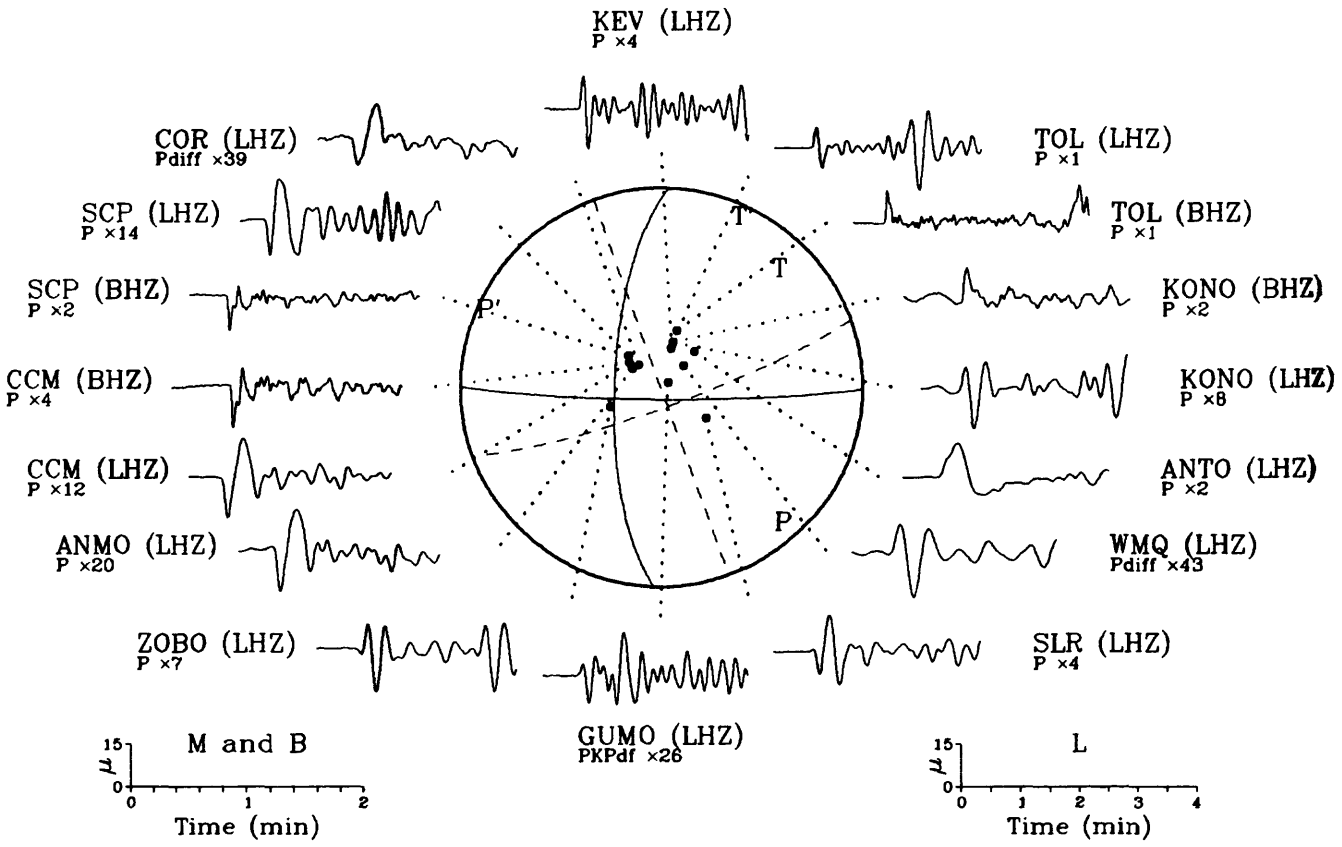
09 July 1990 15:11:20.38
Sudan



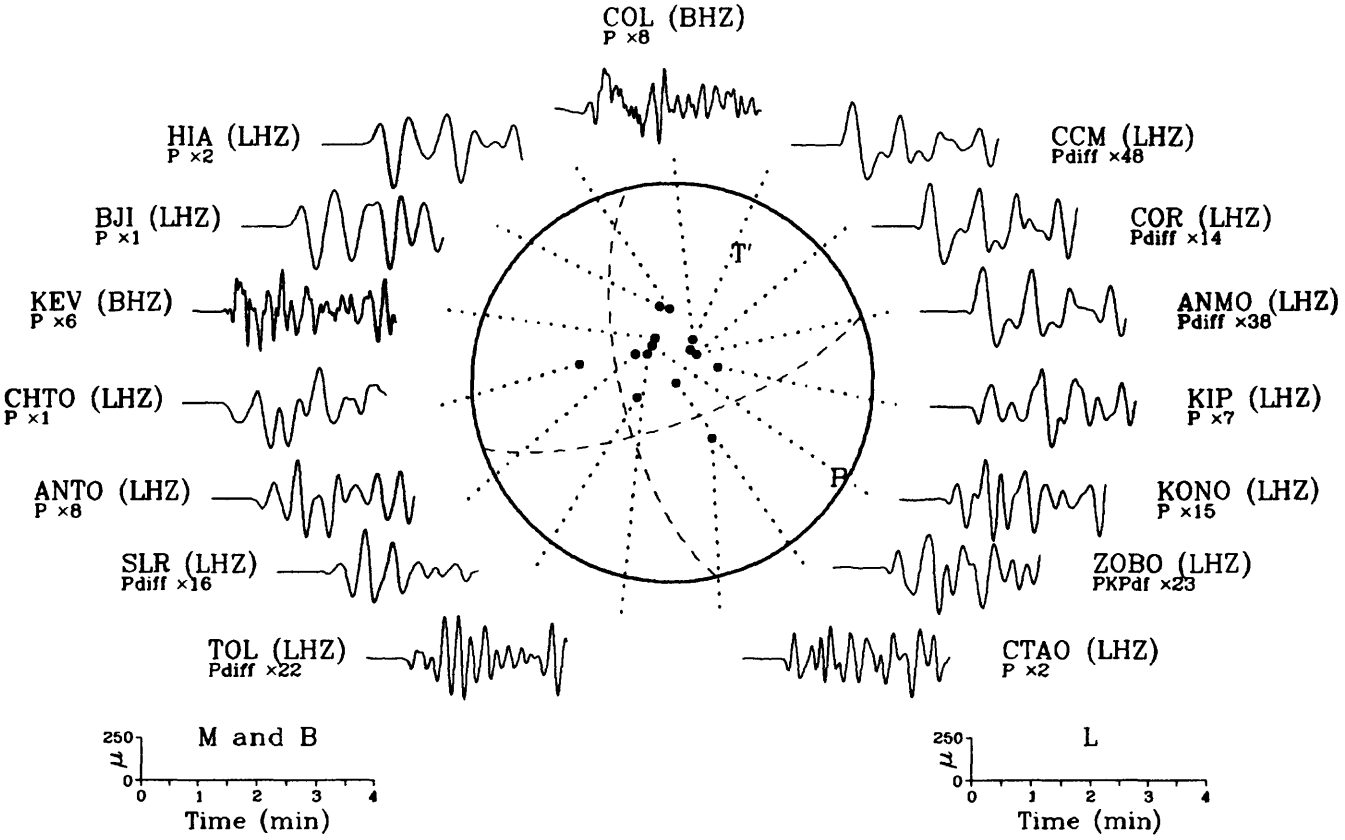
10 July 1990 03:17:59.29
Solomon Islands



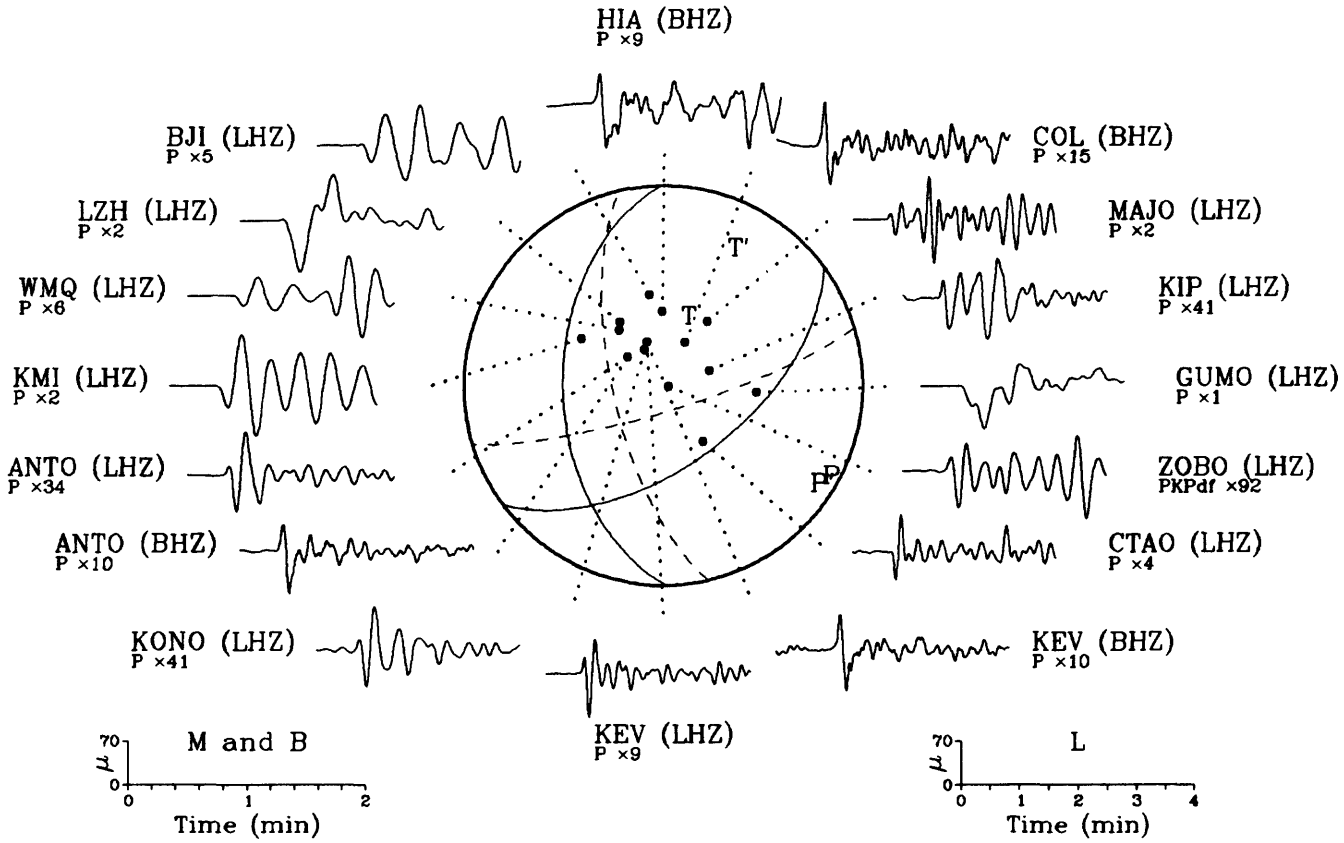
14 July 1990 05:54:25.49
North of Ascension Island



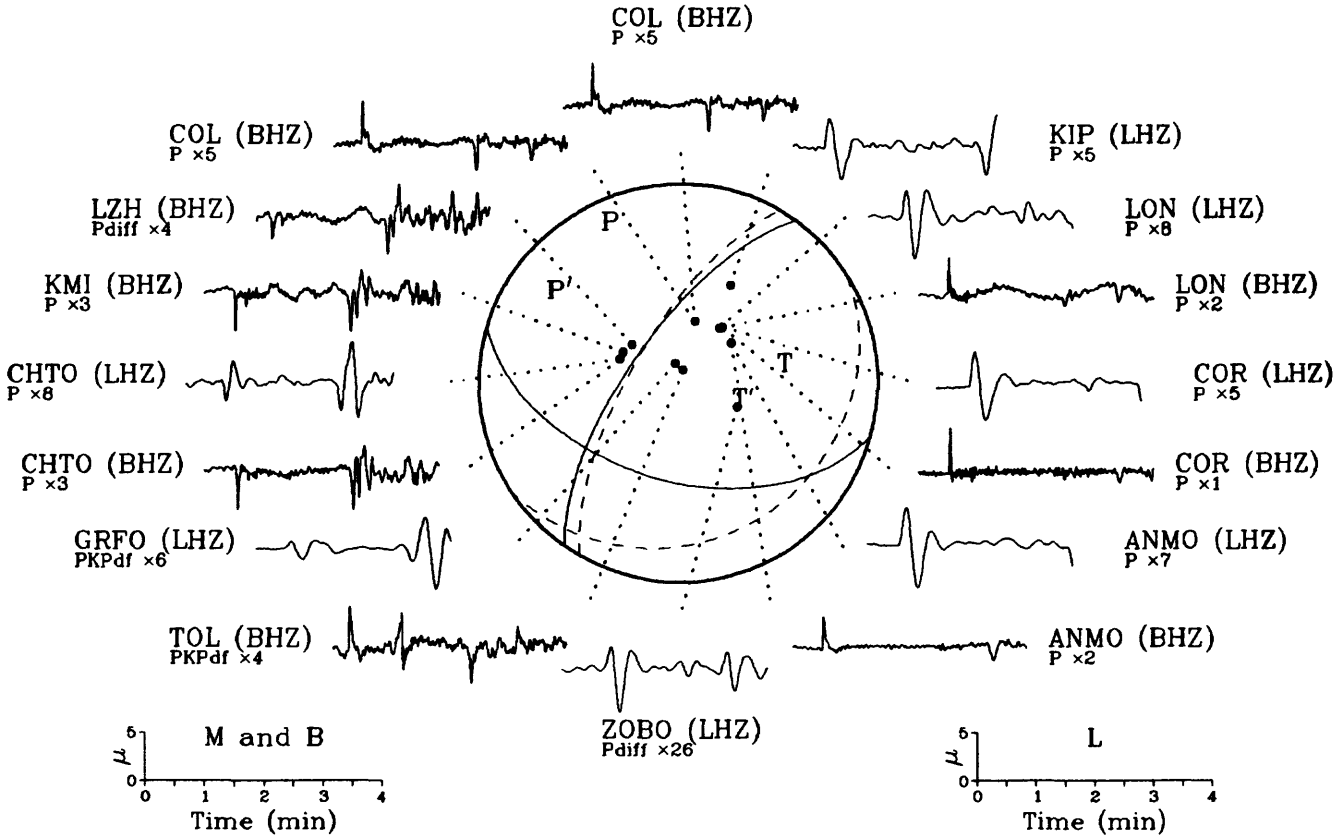
16 July 1990 07:26:34.61
Luzon, Philippine Islands



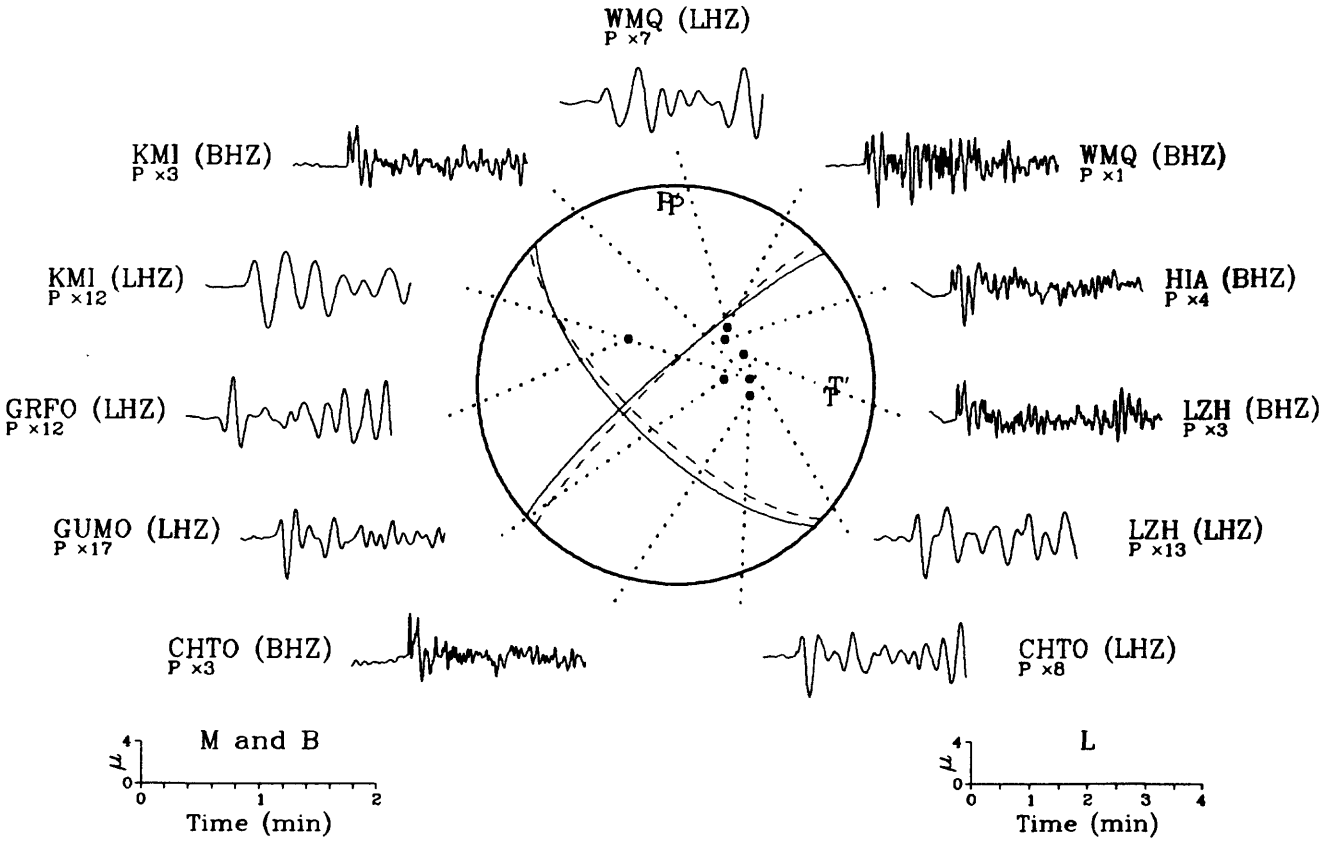
17 July 1990 21:14:43.86
Luzon, Philippine Islands



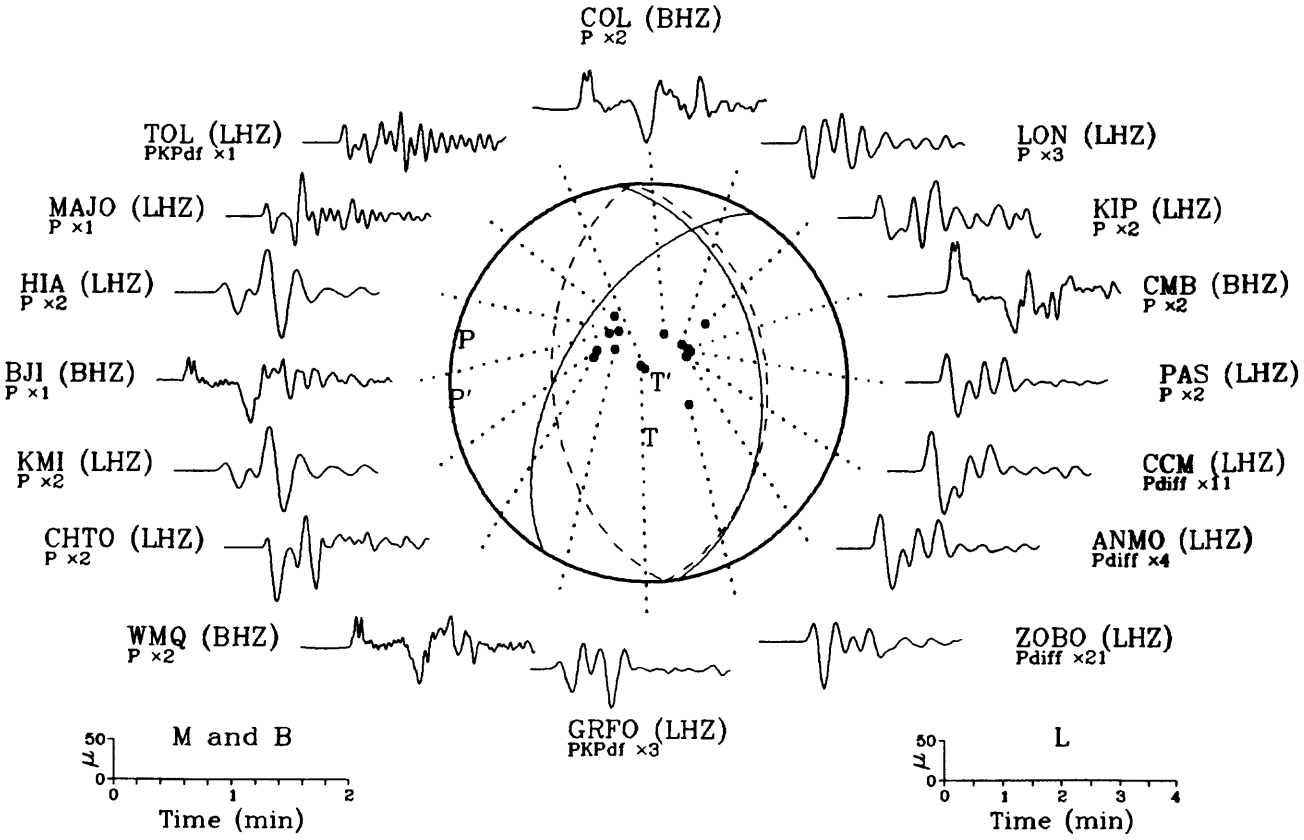
22 July 1990 09:26:14.60
South of Fiji Islands



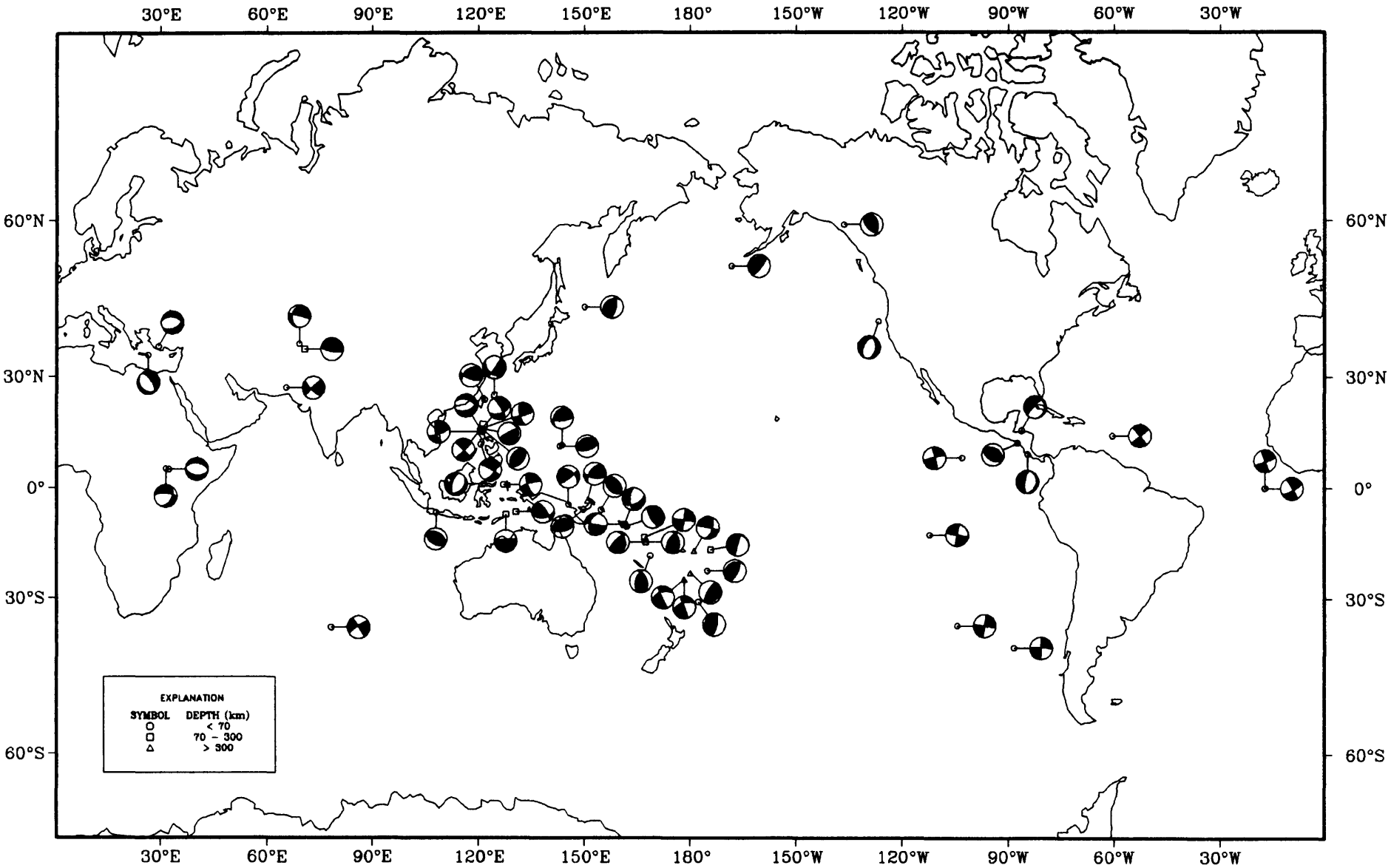
26 July 1990 06:53:56.38
Pakistan



27 July 1990 12:37:59.55
Vanuatu Islands



Earthquake Focal Mechanisms for July 1990



EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

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

Symbols and Abbreviations Used in Comments

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

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

° ' " Geographic degrees, minutes, seconds.

–P Supplied hypocenter is a preliminary computation.

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

Symbols Following Depth

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

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

G Indicates the depth was restrained by a geophysicist.

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

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

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

Symbols Following Origin Time

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

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

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

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

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

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

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

TRAVEL-TIME TABLES

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

MACROSEISMIC INFORMATION

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

GEOGRAPHIC REGIONS

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

DEPTHS FROM BROADBAND DISPLACEMENT SEISMOGRAMS

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

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

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

FAULT PLANE SOLUTIONS

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

NEIS MAGNITUDES

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

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

$$Ms = \text{Log}\ (A/T) + 1.66\ \text{Log}\ D + 3.3$$

where:

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

T is the period in seconds.

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

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

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

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

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

$$MB = \text{Log}\ (A/T) + Q(D,h)$$

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

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

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

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

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

ML These local magnitudes are computed according to the formula:

$$ML = \text{Log}\ A - \text{Log}\ Ao$$

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

CONTRIBUTED MAGNITUDES

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

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

REFERENCES

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

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

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

FOCAL MECHANISM MAPS

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

WAVEFORM PLOTS

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

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

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

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USGS RADIATED ENERGY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Romanowicz, B. and Monfret, T., 1986, Source process times and depths of large earthquakes by moment tensor inversion of mantle wave data and the effect of lateral heterogeneity: Annales de Geophysique, v. 84, no. 3, p. 271-282.

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

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

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

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

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

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

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

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

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

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

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

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

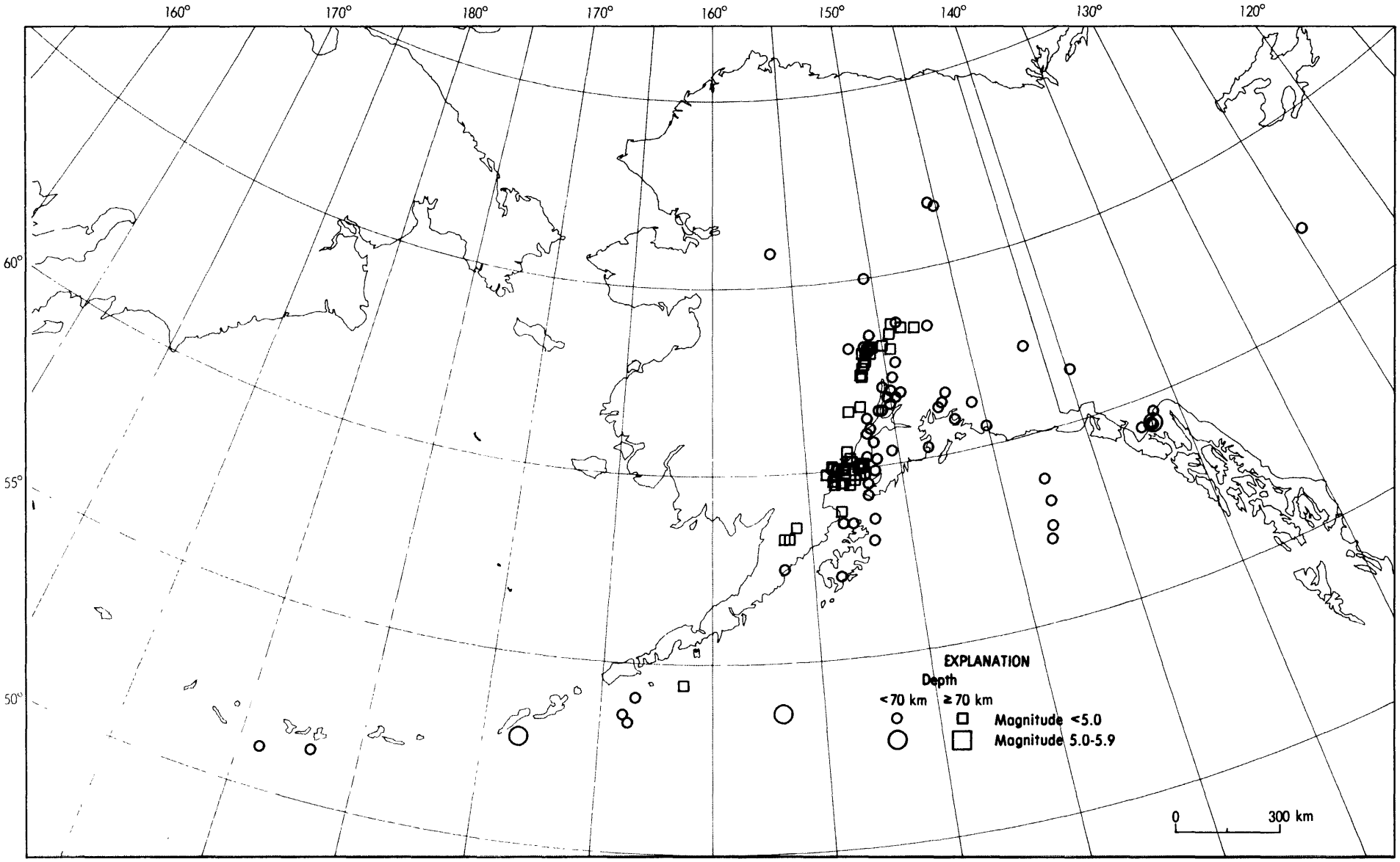
OTHER SEISMIC MOMENTS

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

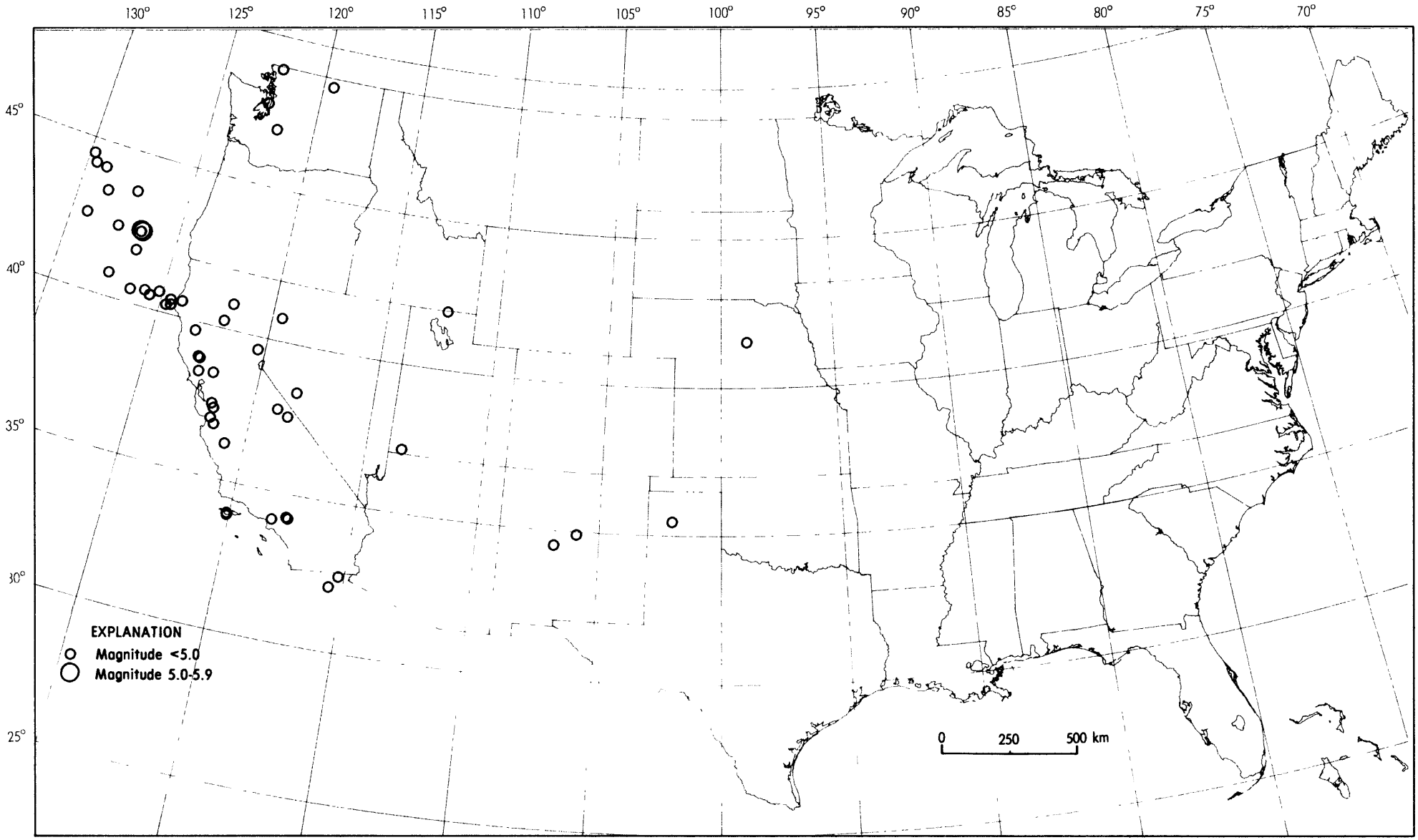
   Bolt, B.A. and Herraiz, M. 1983, Simplified estimation of seismic moment from seismograms: Bulletin of the Seismological Society of America, v. 73, p. 735-748

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

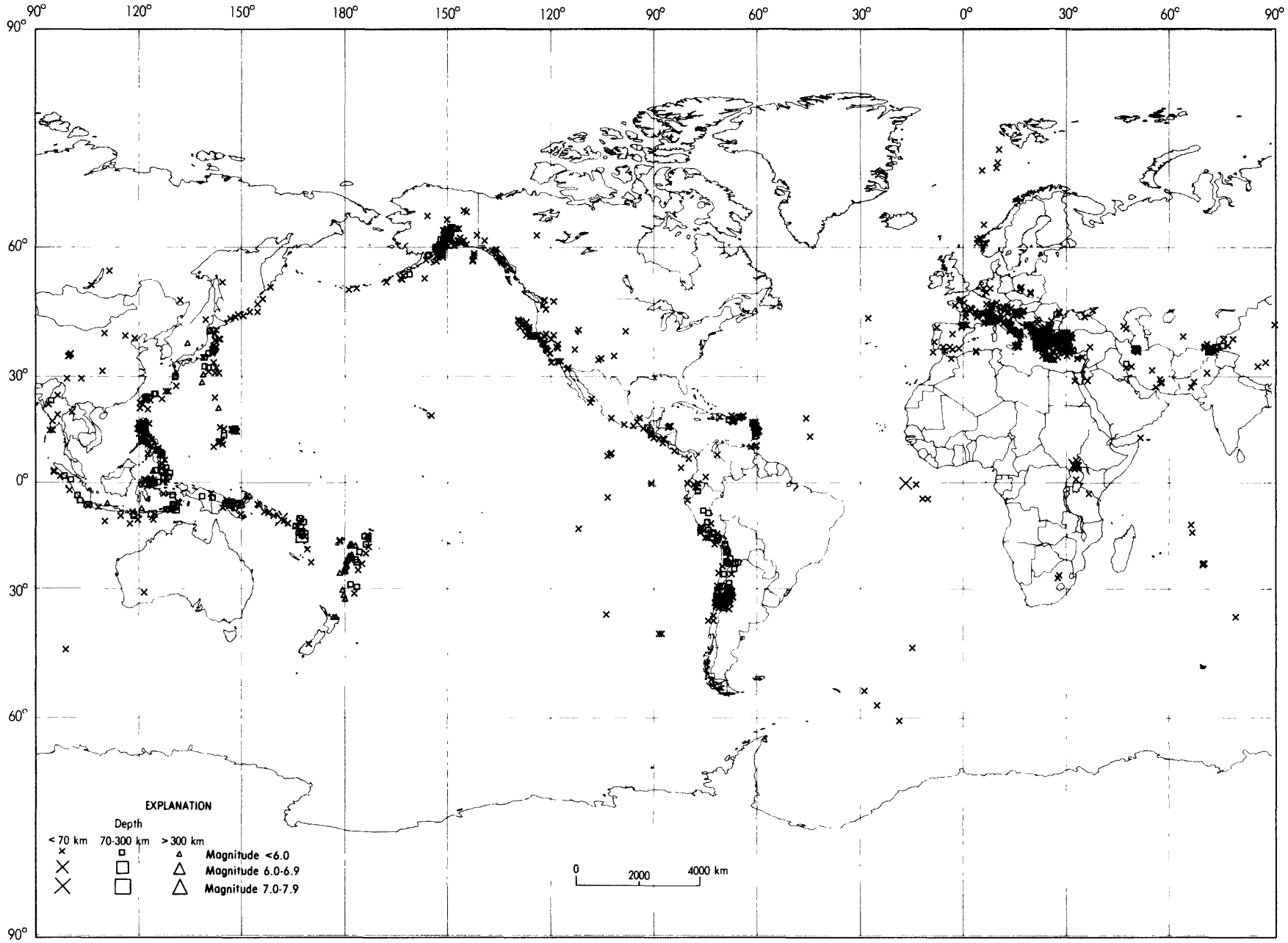
   Talandier, J., Reymond, D. and Okal, E.A. 1987, Use of a variable period mantle magnitude for the rapid one-station estimation of seismic moments: Geophysical Research Letters, v. 14, no. 8, p. 840-843.



Earthquake epicenters in Alaska and adjacent regions for July, 1990 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for July, 1990 (C. Stover).



Earthquakes located in July, 1990 (C. Stover).

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

AUGUST 1990

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	39	45.1?	46.25	N	2.70	E	10 G			0.2	4	FRANCE. ML 1.4 (LDG).
	01	01	21	53.7%	43.645	N	5.793	E	10 G			0.5	9	NEAR SOUTH COAST OF FRANCE. MD 1.4 (STR).
	01	01	22	25.5?	44.13	N	6.67	E	10 G			0.8	5	FRANCE
	01	01	29	44.7	43.076	N	17.701	E	10 G			1.2	20	YUGOSLAVIA. ML 3.3 (VIE).
	01	01	30	10.6%	28.037	S	26.804	E	5 G			0.3	6	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
	01	01	33	43.3*	37.720	N	15.117	E	10 G			0.8	6	SICILY
	01	01	56	52.5%	28.078	S	26.900	E	5 G			0.6	5	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
	01	02	04	27.9	31.794	S	71.968	W	59 *	4.7	4.5	1.1	34	NEAR COAST OF CENTRAL CHILE
	01	02	10	45.4*	31.849	S	72.043	W	62 *	4.8		0.5	20	OFF COAST OF CENTRAL CHILE
a	01	02	44	57.0	11.780	S	166.547	E	31 D	5.6	5.1	1.0	59	SANTA CRUZ ISLANDS. Ms 5.5 (BRK).
	01	03	33	28.3?	27.90	S	66.81	W	218 ?			1.2	17	CATAMARCA PROVINCE, ARGENTINA
	01	04	03	24.3&	33.190	N	115.560	W	1				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	01	04	17	04.4&	33.190	N	115.560	W	2				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	01	04	25	48.1	16.406	N	120.745	E	23	4.5	4.0	1.5	28	LUZON, PHILIPPINE ISLANDS
	01	04	50	59.8%	44.555	N	7.288	E	10 G			0.1	7	NORTHERN ITALY
	01	05	31	23.9&	33.180	N	115.550	W	1				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	01	05	59	21.9?	34.06	S	72.60	W	10 G			0.4	8	NEAR COAST OF CENTRAL CHILE
	01	06	08	16.4%	59.751	N	5.627	E	22 *			0.4	9	SOUTHERN NORWAY. MD 1.6 (BER).
	01	07	17	09.2	37.057	N	29.494	E	10 G			0.9	9	TURKEY. MD 4.1 (ATH).
	01	08	50	39.8%	26.204	S	27.703	E	5 G			1.2	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	01	09	04	40.3*	51.115	N	178.452	E	33 N	4.4		1.3	19	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
	01	10	54	15.8?	14.48	N	60.99	W	33 N			0.6	6	WINDWARD ISLANDS
	01	11	03	16.0%	26.842	S	26.650	E	5 G			0.9	6	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	01	11	04	58.0?	7.91	S	123.04	E	203 ?	4.7		0.8	7	BANDA SEA
	01	11	53	25.0*	14.439	S	73.692	W	33 N			0.4	8	PERU
	01	12	19	54.0	41.621	N	22.326	E	10 G			0.7	7	YUGOSLAVIA. ML 2.1 (SKO).
	01	12	36	24.9*	42.653	N	24.027	E	10 G			0.4	10	BULGARIA. MD 3.3 (ATH), 3.0 (THE).
	01	12	49	14.2%	26.108	S	28.087	E	5 G			0.9	6	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
	01	14	54	03.9	28.137	N	53.329	E	33 N	4.3	3.6	1.5	21	SOUTHERN IRAN
	01	15	25	09.7	43.072	N	17.945	E	10 G			1.4	17	YUGOSLAVIA. ML 2.9 (TTG). MD 3.5 (TRI).
	01	16	33	54.6	39.508	N	26.125	E	10 G			0.8	6	TURKEY. MD 3.0 (ATH).
	01	19	25	19.2	28.038	S	26.643	E	5 G			1.0	8	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE). mbLg 3.4 (BUL).
	01	20	33	20.5	38.805	N	14.759	E	291	4.3		1.2	112	SICILY
	01	20	39	15.8	43.024	N	17.885	E	10 G			1.2	18	YUGOSLAVIA. ML 2.9 (TTG).
	01	20	53	22.0&	59.885	N	152.570	W	83				25	SOUTHERN ALASKA. <AGS-P>.
	01	21	33	45.9	17.944	N	121.386	E	10 G	4.7	4.0	1.0	21	LUZON, PHILIPPINE ISLANDS. Felt (II RF) at Pasuquin.
	01	22	48	01.5*	31.761	S	72.218	W	62 ?	4.8		1.0	20	OFF COAST OF CENTRAL CHILE
	01	23	47	25.3	36.195	N	27.151	E	33 N			1.2	8	DODECANESE ISLANDS. MD 3.8 (ATH).
	02	00	09	48.2	31.817	S	71.736	W	66 *	4.9		1.3	57	NEAR COAST OF CENTRAL CHILE
	02	00	11	10.7&	58.151	N	142.936	W	10 G				21	GULF OF ALASKA. <AGS-P>.
	02	00	33	50.2	31.767	S	72.136	W	55 *			0.7	22	OFF COAST OF CENTRAL CHILE
	02	00	51	27.4?	32.35	S	71.45	W	33 N			1.5	9	NEAR COAST OF CENTRAL CHILE
	02	00	52	33.9*	31.692	S	71.879	W	47 *	4.8		0.6	16	NEAR COAST OF CENTRAL CHILE
	02	00	53	29.8	38.473	N	23.684	E	5 G			1.1	9	GREECE. ML 2.8 (ATH).
	02	01	00	44.8&	35.723	N	120.240	W	7				15	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	02	01	07	07.8	38.412	N	23.651	E	10 G			1.2	6	GREECE. ML 2.8 (ATH).
	02	02	04	44.5*	33.646	S	70.186	W	124			0.9	20	CHILE-ARGENTINA BORDER REGION
	02	02	31	24.3	24.626	N	94.987	E	171 *	4.7		0.4	11	BURMA-INDIA BORDER REGION
	02	02	41	37.1	17.158	N	121.000	E	23 *	4.9	4.3	1.3	65	LUZON, PHILIPPINE ISLANDS
	02	02	47	33.4?	31.34	S	70.84	W	10 G			0.3	7	CHILE-ARGENTINA BORDER REGION
	02	03	30	55.1?	31.60	S	71.79	W	10 G			0.6	8	NEAR COAST OF CENTRAL CHILE
	02	03	38	41.8	31.675	S	68.766	W	10 G			0.9	7	SAN JUAN PROVINCE, ARGENTINA
	02	03	52	20.8	31.772	S	72.193	W	20			0.7	20	OFF COAST OF CENTRAL CHILE
	02	04	50	55.8%	48.098	N	1.185	W	10 G			0.3	5	FRANCE. ML 2.3 (LDG).
a	02	05	24	08.5	31.620	S	71.695	W	36	5.5	5.9	1.0	212	NEAR COAST OF CENTRAL CHILE. Ms 5.8 (BRK), 5.6 (PAS) Mo=2.0*10**18 Nm (PPT). Felt (V) at Illapel; (IV) at Las Vilos and Santiago.
	02	05	34	28.1	39.285	N	23.482	E	10 G			0.5	9	AEGEAN SEA. MD 2.8 (ATH), 2.4 (THE).

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	02	05	35	54.5*	31.796	S	71.583	W	10	G		0.7	10	NEAR COAST OF CENTRAL CHILE
	02	05	37	22.6&	19.843	N	155.617	W	21		4.8 5.0		104	HAWAII. <HVO-P>. ML 4.7 (HVO). Felt (V) at Hilo, Honomu, Kamuela, Kurtistown, Ookala and Paauhau; (IV) at Hakalau, Hawi, Holualoa, Honokaa, Laupahoehoe, Papaaloa, Papaikou and Volcano. Also felt on Maui, Molokai and Oahu.
	02	05	42	03.4*	31.924	S	71.803	W	33	N	4.7	1.3	25	NEAR COAST OF CENTRAL CHILE
	02	05	58	26.7	11.336	S	166.370	E	155	*	4.9	0.9	76	SANTA CRUZ ISLANDS
	02	06	20	16.3*	39.048	N	22.075	E	10	G		0.7	5	GREECE. MD 2.9 (ATH).
	02	06	32	15.7&	59.793	N	152.796	W	88				27	SOUTHERN ALASKA. <AGS-P>.
	02	06	38	37.9	39.912	N	29.681	W	10	G	4.3	1.1	27	AZORES ISLANDS
	02	06	42	41.8*	32.913	S	71.351	W	10	G		1.2	9	NEAR COAST OF CENTRAL CHILE
	02	06	48	30.6*	31.775	S	73.247	W	33	N	4.2	1.2	7	OFF COAST OF CENTRAL CHILE
	02	07	10	46.2?	32.29	S	71.71	W	10	G		0.6	8	NEAR COAST OF CENTRAL CHILE
	02	08	21	57.0*	31.809	S	72.219	W	28			0.9	16	OFF COAST OF CENTRAL CHILE
	02	08	46	39.4	31.700	S	72.012	W	50	*	4.5	1.0	32	OFF COAST OF CENTRAL CHILE
	02	08	47	02.8*	38.363	N	22.004	E	5	G		1.2	6	GREECE. MD 3.0 (ATH).
	02	09	03	39.3	31.755	S	72.184	W	33	N		0.6	17	OFF COAST OF CENTRAL CHILE
	02	10	00	55.6*	31.824	S	72.063	W	32			1.1	18	OFF COAST OF CENTRAL CHILE
	02	10	19	09.0&	49.222	N	121.156	W	5	G			51	BRITISH COLUMBIA. <PGC>. ML 2.6 (PGC).
	02	11	01	01.4	46.729	N	10.251	E	10	G		0.7	7	NORTHERN ITALY. ML 2.4 (VIE).
	02	11	28	41.7	36.347	N	27.241	E	10	G		1.4	8	DODECANESE ISLANDS. MD 3.5 (ATH).
	02	11	47	36.0	31.824	S	72.010	W	56	*		1.0	24	OFF COAST OF CENTRAL CHILE
	02	13	02	57.3&	36.625	N	121.272	W	6				14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	02	13	50	44.8%	26.864	S	26.653	E	5	G		0.7	8	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	02	14	04	47.6*	31.791	S	72.224	W	12			0.7	16	OFF COAST OF CENTRAL CHILE
	02	14	15	25.4*	32.551	S	71.645	W	26			1.0	17	NEAR COAST OF CENTRAL CHILE
	02	14	20	10.0	38.717	N	23.478	E	10	G		1.0	7	GREECE. ML 3.3 (ATH).
	02	14	36	40.8?	31.53	S	68.76	W	95	?		0.3	6	SAN JUAN PROVINCE, ARGENTINA
	02	14	44	32.5?	36.23	N	27.53	E	10	G		0.1	4	DODECANESE ISLANDS. MD 3.5 (ATH).
a	02	15	03	27.6	6.460	S	105.396	E	48	D	5.4 5.2	1.0	242	SUNDA STRAIT
	02	16	10	21.4*	26.861	S	26.750	E	5	G		1.3	8	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	02	17	04	02.6	39.257	N	20.703	E	10	G	3.8	1.3	28	GREECE-ALBANIA BORDER REGION. ML 3.8 (ATH). MD 3.5 (THE).
	02	17	05	13.2&	64.793	N	148.878	W	18				7	CENTRAL ALASKA. <AGS-P>.
	02	17	12	48.5*	38.540	N	48.186	E	33	N	4.2	0.5	5	N.W. IRAN-USSR BORDER REGION. Felt at Ardabil, Iran.
	02	17	21	24.6*	31.693	S	72.290	W	33	N		0.9	14	OFF COAST OF CENTRAL CHILE
	02	17	57	41.5*	14.827	S	167.087	E	107	*	4.4	1.1	41	VANUATU ISLANDS
	02	18	27	44.1&	60.058	N	151.982	W	81				44	KENAI PENINSULA, ALASKA. <AGS-P>.
	02	19	08	55.2	22.629	N	94.265	E	121	*	4.8	1.5	37	BURMA
	02	19	12	16.9*	31.859	S	71.878	W	33	N		0.7	10	NEAR COAST OF CENTRAL CHILE
	02	19	12	39.8	37.014	N	29.530	E	20		4.0	1.3	63	TURKEY. MD 4.3 (HLW). Felt in the Cameli district.
	02	19	20	02.2	37.017	N	29.481	E	10	G		0.7	11	TURKEY
	02	19	23	16.7%	36.911	N	29.397	E	10	G		1.8	5	TURKEY
	02	19	30	12.8%	42.792	N	12.841	E	10	G		1.1	8	CENTRAL ITALY
	02	19	42	13.5?	31.53	S	68.89	W	90	?		0.1	6	SAN JUAN PROVINCE, ARGENTINA
	02	20	02	20.2	38.383	N	22.073	E	10	G		0.8	8	GREECE. ML 3.0 (ATH).
	02	20	08	57.4&	36.967	N	121.275	W	7				7	CENTRAL CALIFORNIA. <BRK>. ML 2.4 (BRK).
	02	20	09	17.1*	31.810	S	72.167	W	28			0.8	15	OFF COAST OF CENTRAL CHILE
	02	20	31	10.1?	31.26	S	70.82	W	10	G		0.7	8	CHILE-ARGENTINA BORDER REGION
	02	21	04	41.1	44.646	N	7.288	E	10	G		0.5	16	NORTHERN ITALY. ML 2.2 (GEN), 2.2 (LDG).
	02	21	17	18.7*	38.398	N	48.228	E	33	N	4.1	0.5	5	N.W. IRAN-USSR BORDER REGION
	02	21	54	37.9*	31.719	S	72.233	W	58	?		1.0	22	OFF COAST OF CENTRAL CHILE
	02	22	41	26.2%	36.223	N	27.231	E	10	G		0.2	5	DODECANESE ISLANDS. MD 3.3 (ATH).
	02	23	09	33.5*	43.967	N	16.499	E	10	G		1.3	13	YUGOSLAVIA. MD 3.0 (TRI). Felt in the Knin area.
	02	23	35	11.9	39.115	N	72.515	E	33	N	4.5	1.2	14	KIRGHIZ SSR
	03	00	54	12.2	38.872	N	22.027	E	7		3.7	1.1	39	GREECE. ML 3.4 (ATH). MD 3.5 (THE).
	03	02	31	16.7	36.165	N	27.209	E	33	N		1.5	9	DODECANESE ISLANDS. MD 3.9 (ATH).
	03	02	41	52.5*	31.789	S	72.119	W	10	G		1.2	15	OFF COAST OF CENTRAL CHILE
	03	02	53	41.1	26.324	S	27.349	E	5	G		0.4	9	REPUBLIC OF SOUTH AFRICA. ML 3.3 (PRE). mbLg 3.5 (BUL).
	03	03	20	54.9%	26.343	S	27.578	E	5	G		0.7	6	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	03	04	21	07.0%	46.428	N	3.514	E	10	G		0.4	7	FRANCE. ML 2.1 (LDG).
	03	04	52	22.4&	60.074	N	151.899	W	59				33	KENAI PENINSULA, ALASKA. <AGS-P>.
	03	04	57	47.5?	8.04	S	82.89	W	33	N	5.1	1.2	11	OFF COAST OF NORTHERN PERU. Felt (III) at Chiclayo.
	03	04	58	31.1*	38.314	N	26.574	E	10	G		1.7	5	AEGEAN SEA. MD 3.1 (ATH).
	03	05	32	02.9	43.069	N	17.926	E	10	G		1.5	13	YUGOSLAVIA. MD 3.8 (TRI), 2.9 (TTG).
	03	07	34	22.8&	37.517	N	118.475	W	5	G			11	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.8 (BRK).
	03	07	50	57.9	31.758	S	72.099	W	32	D	4.5	1.0	48	OFF COAST OF CENTRAL CHILE
	03	07	58	52.5*	31.824	S	72.182	W	72	*		1.1	23	OFF COAST OF CENTRAL CHILE
	03	08	17	16.4	17.314	N	121.068	E	10	G	4.9	1.0	22	LUZON, PHILIPPINE ISLANDS
	03	08	36	30.5*	14.671	S	173.388	W	37	D	5.1 4.9	1.1	65	SAMOA ISLANDS REGION
	03	08	43	05.3*	31.875	S	72.196	W	10	G		0.7	16	OFF COAST OF CENTRAL CHILE
	03	09	02	22.9*	31.765	S	72.295	W	33	N		0.8	16	OFF COAST OF CENTRAL CHILE
	03	09	13	14.6%	39.123	N	27.577	E	10	G		0.6	5	TURKEY
a	03	09	15	06.1	47.963	N	84.961	E	33	G	6.0 6.1	1.0	553	KAZAKH-XINJIANG BORDER REGION. Ms 5.8 (BRK), 5.7 (PAS). Mo=2.0*10**18 Nm (PPT). Eight people injured and about 500 buildings destroyed (VII) in the Akkol area, USSR. Felt (IV) at Ust-Kamenogorsk and Semipalatinsk; (III) at Pavlodar and Taldy-Kurgan, USSR. Also felt at Alma-Ata and Borovoy, USSR. Felt strongly in northern Xinjiang Province, China. Depth from broadband displacement seismograms.
	03	10	02	49.1	36.391	N	118.107	W	5	G		1.0	21	CENTRAL CALIFORNIA. ML 3.7 (BRK), 3.1 (PAS).
	03	10	25	41.5&	59.643	N	153.210	W	106				24	SOUTHERN ALASKA. <AGS-P>.
	03	10	28	45.7*	15.641	S	173.990	W	33	N	4.9	0.9	20	TONGA ISLANDS
a	03	11	57	13.0	32.758	N	48.213	E	45		5.0 4.9	1.2	221	WESTERN IRAN. Felt in the Andimeshk area.
	03	11	59	07.7	7.348	S	129.236	E	146	*	4.9	1.1	40	BANDA SEA
	03	11	59	09.2?	19.79	S	69.67	W	33	N		0.5	5	NORTHERN CHILE
	03	12	30	37.5%	26.876	S	26.611	E	5	G		0.4	6	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	03	13	03	52.9%	26.868	S	26.604	E	5	G		0.4	6	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	03	13	42	03.9*	16.270	N	120.750	E	20	*	4.5	1.3	9	LUZON, PHILIPPINE ISLANDS
	03	14	30	46.2*	31.774	S	72.320	W	33	N		0.7	15	OFF COAST OF CENTRAL CHILE
	03	14	38	31.9%	44.266	N	7.343	E	10	G		0.4	7	NORTHERN ITALY. ML 2.1 (GEN).

	03	14	45	35.8?	20.88	S	178.46	W	580	G	4.6		1.1	14	FIJI ISLANDS REGION
	03	14	50	03.2	40.283	N	70.861	E	33	N	4.7		0.9	43	TAJIK SSR. Felt (IV) at Kokand, (III) at Fergana and (II) at Toshkent.
	03	15	07	16.6	32.668	N	48.163	E	45		4.9	4.4	1.3	128	WESTERN IRAN
	03	15	15	25.0%	44.275	N	8.000	E	10	G			0.2	6	NORTHERN ITALY. ML 1.9 (GEN).
	03	15	43	33.1	29.207	N	142.277	E	42	D	4.9	4.7	1.2	69	SOUTH OF HONSHU, JAPAN
	03	16	55	13.4	46.035	N	143.054	E	325	*	4.6		0.8	58	SAKHALIN ISLAND
	03	17	10	49.2*	31.782	S	72.108	W	33	N			0.8	17	OFF COAST OF CENTRAL CHILE
	03	17	26	39.1*	31.815	S	72.470	W	12				0.7	16	OFF COAST OF CENTRAL CHILE
	03	17	27	58.4%	40.334	N	29.471	E	10	G			0.9	6	TURKEY
	03	18	12	26.3*	6.828	S	130.581	E	135	*	4.4		1.1	13	BANDA SEA
	03	18	23	46.1?	31.33	S	71.13	W	24	*			0.5	7	NEAR COAST OF CENTRAL CHILE
	03	18	46	24.7	11.278	N	122.136	E	57	*	4.8	4.3	1.2	26	PANAY, PHILIPPINE ISLANDS
	03	19	04	36.6%	37.032	N	29.556	E	10	G			0.2	5	TURKEY
	03	19	27	03.4?	43.00	N	0.51	W	10	G			0.5	4	PYRENEES. MD 1.0 (STR).
	03	20	52	06.7*	6.654	S	130.181	E	33	N	4.2		0.8	7	BANDA SEA
	03	20	55	52.4	31.815	S	72.276	W	56		4.3		1.0	35	OFF COAST OF CENTRAL CHILE
	03	21	53	04.3%	26.259	S	27.328	E	5	G			1.0	6	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
	03	22	06	57.5?	31.80	S	72.32	W	77	?			1.1	12	OFF COAST OF CENTRAL CHILE
	03	22	36	25.3%	42.652	N	12.024	E	10	G			0.6	5	CENTRAL ITALY
	03	23	52	18.2*	31.705	S	72.122	W	63	*			1.2	24	OFF COAST OF CENTRAL CHILE
	04	00	32	50.6*	38.278	N	25.017	E	28	G			1.1	6	AEGEAN SEA. ML 3.1 (ATH).
	04	00	38	36.5*	6.868	N	72.800	W	150	*	4.5		0.9	12	NORTHERN COLOMBIA
	04	01	01	24.9	48.216	N	7.656	E	10	G			0.8	9	FRANCE. ML 2.5 (LDG).
	04	01	28	38.6%	26.314	S	27.485	E	5	G			1.2	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	04	01	43	29.4?	34.78	N	21.95	E	10	G	3.9		0.8	6	MEDITERRANEAN SEA. MD 3.4 (ATH).
	04	02	40	03.1*	43.888	N	146.809	E	33	N	4.7	3.7	0.7	42	KURIL ISLANDS
	04	02	56	16.8?	6.33	S	147.57	E	70	*	4.2		0.9	12	EAST PAPUA NEW GUINEA REGION
	04	02	56	57.4?	31.32	S	71.14	W	10	G			0.4	8	NEAR COAST OF CENTRAL CHILE
	04	03	48	35.4*	32.970	N	47.793	E	71	*	4.5		0.8	26	IRAN-IRAQ BORDER REGION
	04	03	56	52.8	45.598	N	26.404	E	168		3.6		1.0	26	ROMANIA
	04	04	06	24.3%	17.092	N	95.196	W	100	?			1.8	7	OAXACA, MEXICO
	04	05	05	40.8	0.118	S	99.517	E	111	*	5.1		1.1	68	SOUTHERN SUMATERA
	04	05	28	24.4	16.153	N	120.462	E	41		4.8	4.1	1.3	42	LUZON, PHILIPPINE ISLANDS
	04	06	08	12.5&	60.130	N	147.927	W	0					30	SOUTHERN ALASKA. <AGS-P>.
	04	06	32	58.3*	31.745	S	72.270	W	33	N			0.8	17	OFF COAST OF CENTRAL CHILE
	04	06	36	32.5	39.306	N	23.767	E	10	G			1.5	22	AEGEAN SEA. ML 3.0 (ATH).
	04	07	18	42.6*	32.093	S	71.544	W	10	G			1.0	11	NEAR COAST OF CENTRAL CHILE
	04	07	29	26.3	39.315	N	20.443	E	37		5.0		1.4	208	GREECE-ALBANIA BORDER REGION. ML 4.8 (TTG), 4.5 (ATH). MD 4.4 (TRI), 4.4 (THE).
	04	07	57	54.7?	32.33	S	71.41	W	30	*			1.2	8	NEAR COAST OF CENTRAL CHILE
	04	08	31	51.0	26.848	N	125.369	E	225	D	5.1		1.0	158	NORTHEAST OF TAIWAN
	04	08	33	20.3	39.186	N	20.508	E	10	G			1.2	18	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH).
a	04	09	19	29.2	1.289	N	123.155	E	36	D	5.1	4.6	1.1	78	MINAHASSA PENINSULA
a	04	11	06	00.1	25.136	N	141.195	E	171	D	5.1		1.0	138	VOLCANO ISLANDS REGION
	04	11	32	37.8	41.643	N	22.280	E	10	G			0.9	6	YUGOSLAVIA. ML 2.2 (SKO).
	04	12	52	26.7	29.566	N	103.255	E	10	G	4.7		1 5	54	SICHUAN PROVINCE, CHINA
	04	13	12	37.3*	3.933	S	122.424	E	33	N	4.3		1.1	8	SULAWESI
	04	14	58	39.8	44.158	N	11.766	E	10	G			1.0	9	NORTHERN ITALY. ML 3.0 (VIE).
	04	17	20	17.3&	59.097	N	151.555	W	63		3.9			62	KENAI PENINSULA, ALASKA. <AGS-P>.
	04	17	21	39.4*	3.489	S	145.967	E	33	N	4.9		1.4	11	NEAR N COAST OF PAPUA NEW GUINEA
	04	19	59	55.0%	35.186	N	24.727	E	33	N			1.0	6	CRETE. MD 3.6 (ATH).
	04	21	14	32.5*	31.878	S	72.036	W	66	*	4.8		1.4	26	OFF COAST OF CENTRAL CHILE
	04	22	08	11.7*	31.768	S	72.269	W	18				0.6	16	OFF COAST OF CENTRAL CHILE
	04	22	12	17.9?	6.79	S	146.72	E	33	N	4.2		1.4	5	EAST PAPUA NEW GUINEA REGION
	04	22	34	42.7%	36.976	N	29.467	E	10	G			0.8	5	TURKEY
	04	22	52	41.3*	34.272	S	71.787	W	9		4.2		0.9	20	NEAR COAST OF CENTRAL CHILE
	04	23	13	47.6*	31.679	S	72.452	W	19				1.0	16	OFF COAST OF CENTRAL CHILE
	04	23	58	33.7%	32.847	S	68.862	W	10	G			0.5	7	MENDOZA PROVINCE, ARGENTINA
	05	00	45	48.5	39.572	N	20.892	E	17		4.0		1.3	53	GREECE-ALBANIA BORDER REGION. ML 3.7 (ATH).
	05	01	08	46.5*	22.925	N	142.476	E	33	N	4.9	3.9	1.2	22	VOLCANO ISLANDS REGION
	05	01	29	38.6?	0.96	N	123.21	E	68	?	4.2		1.3	8	MINAHASSA PENINSULA
	05	01	30	05.0?	34.76	N	80.21	E	33	N	4.3		0.3	7	TIBET
f	05	01	34	55.8	29.551	N	137.630	E	496	G	6.0		1.1	466	SOUTH OF HONSHU, JAPAN. mb 6.5 (BRK), 6.3 (PAS). Felt (II JMA) in parts of Hanshu. Depth from broadband displacement seismograms.
	05	03	16	10.1	27.487	N	141.608	E	48	D	5.4		0.8	164	BONIN ISLANDS REGION. Felt (II JMA) on Chichi-shima.
o	05	03	36	22.2	36.310	N	141.072	E	27	G	5.8	6.0	0.9	427	NEAR EAST COAST OF HONSHU, JAPAN. Ms 5.7 (BRK), 5.6 (PAS). Felt (IV JMA) at Mito and Choshi; (III JMA) at Fukushima, Onahama and Utsunamiya; (II JMA) at Sendai, Chiba, Tokyo and Yokahama. Two events about 2 sec. apart. Depth fram broadband displacement seismograms, based on first event.
	05	04	01	03.5	37.440	N	22.101	E	10	G			1.4	10	SOUTHERN GREECE. ML 3.3 (ATH).
	05	04	59	13.6*	16.487	N	120.730	E	12		4.2		1.3	10	LUZON, PHILIPPINE ISLANDS
	05	05	04	22.1	47.045	N	1.464	E	10	G			1.2	17	FRANCE. ML 2.7 (LDG).
	05	06	26	15.9	44.231	N	12.164	E	10	G			1.1	20	NORTHERN ITALY. ML 2.8 (LDG).
	05	06	46	59.4*	31.671	S	72.434	W	10	G			0.7	14	OFF COAST OF CENTRAL CHILE
	05	06	47	15.4*	36.210	N	27.142	E	10	G			0.6	5	DODECANESE ISLANDS
	05	06	52	13.6&	36.855	N	121.638	W	7		3.6			30	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Felt (IV) at Aramos, Costroville, Chualar, Monterey, San Juan Bautista, Tres Pinas and Watsonville.
	05	06	56	46.3	43.350	N	9.008	E	10	G			1.0	19	CORSICA. ML 2.9 (LDG).
	05	07	12	28.3*	4.585	S	103.118	E	116	?	4.6		0.9	27	SOUTHERN SUMATERA
a	05	07	13	02.8	35.074	N	139.038	E	47		5.3	4.5	0.7	188	NEAR S. COAST OF HONSHU, JAPAN. Felt (V) at Yokosuka.
	05	07	24	39.5	5.375	S	129.630	E	241	*	4.7		1.1	38	BANDA SEA
	05	07	58	32.4*	18.108	N	62.075	W	33	N			0.7	15	LEEWARD ISLANDS. ML 3.6 (FDF). MD 3.3 (TRN).
	05	08	02	42.9%	44.225	N	6.923	E	5	G			0.3	6	FRANCE. ML 2.0 (GEN).
	05	08	15	23.0	31.825	S	72.348	W	10	G			1.0	20	OFF COAST OF CENTRAL CHILE
	05	09	12	25.5?	30.09	S	69.06	W	23				1.2	15	CHILE-ARGENTINA BORDER REGION
	05	09	44	16.7%	43.098	N	0.433	W	10	G			0.2	5	PYRENEES. MD 1.0 (STR).
	05	09	49	45.7&	60.194	N	153.280	W	137					34	SOUTHERN ALASKA. <AGS-P>.
	05	11	03	58.0%	10.448	N	61.495	W	10	G			1.3	6	TRINIDAD. MD 2.9 (TRN).

	05	11	18	29.9&	63.290	N	152.160	W	3				30	CENTRAL ALASKA. <AGS-P>.
	05	12	19	46.1	13.880	N	91.543	W	65	D	4.3	1.3	55	NEAR COAST OF GUATEMALA
	05	12	27	43.2?	31.99	S	68.29	W	33	N		0.7	5	SAN JUAN PROVINCE, ARGENTINA
	05	13	09	02.4?	15.50	N	60.54	W	33	N		0.3	7	LEEWARD ISLANDS. ML 3.0 (FDF).
	05	13	10	12.7*	1.120	S	12.909	W	10	G	4.6	1.2	26	NORTH OF ASCENSION ISLAND
	05	13	11	25.9*	30.000	S	72.740	W	10	G		1.2	16	OFF COAST OF CENTRAL CHILE
	05	14	15	00.0	44.235	N	6.647	E	10	G		0.3	14	FRANCE. ML 2.2 (LDG).
a	05	14	47	54.4	51.759	N	175.276	W	59		5.0	0.9	157	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (IV) on Adak.
	05	15	26	03.1	15.334	N	121.275	E	24		4.9 4.1	1.1	40	LUZON, PHILIPPINE ISLANDS
	05	15	32	29.3%	42.546	N	11.912	E	10	G		0.8	6	CENTRAL ITALY
a	05	17	42	32.1	1.080	S	13.887	W	10	G	5.6 6.3	1.0	328	NORTH OF ASCENSION ISLAND. Ms 5.9 (PAS), 5.8 (BRK). Mo=5.0*10**18 Nm (PPT).
	05	17	52	31.6?	14.64	N	60.69	W	26	*		0.3	6	WINDWARD ISLANDS. ML 2.7 (FDF).
	05	18	31	50.2	40.205	N	33.869	E	25		4.8	1.0	189	TURKEY. Felt at Ankara and Cankiri.
	05	18	48	20.9	6.044	N	126.863	E	129		5.0	1.0	59	MINDANAO, PHILIPPINE ISLANDS
	05	18	59	02.6?	19.06	N	65.37	W	10	G		0.9	8	PUERTO RICO REGION
	05	19	08	46.1?	44.14	N	6.79	E	10	G		0.4	5	FRANCE
	05	19	08	55.2&	58.317	N	155.947	W	131				53	ALASKA PENINSULA. <AGS-P>.
	05	19	41	46.3&	63.050	N	151.038	W	125				45	CENTRAL ALASKA. <AGS-P>.
	05	19	45	50.3?	31.34	S	68.78	W	33	N		1.5	5	SAN JUAN PROVINCE, ARGENTINA
	05	20	03	10.6?	19.07	N	65.03	W	27	*		1.0	11	PUERTO RICO REGION
	05	21	18	46.2*	43.411	N	146.539	E	33	N	4.8	0.9	33	KURIL ISLANDS
	05	21	27	03.7&	33.320	N	116.410	W	5				23	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). Felt (IV) at Barrego Springs and Warner Springs.
	05	21	30	47.3?	36.86	S	72.81	W	33	N		1.0	20	NEAR COAST OF CENTRAL CHILE
	05	21	32	26.0	42.291	N	1.067	E	10			0.7	44	PYRENEES. ML 3.6 (LDG). mbLg 3.3 (MDD). Felt (II) at Pablo de Segur, Spain.
	05	21	38	34.0*	23.958	N	122.980	E	10	G	4.2	1.0	8	TAIWAN REGION
	05	22	44	48.7?	31.92	S	72.25	W	10	G		0.8	13	OFF COAST OF CENTRAL CHILE
	05	23	11	15.0*	35.832	N	137.683	E	36	*	4.0	1.4	7	HONSHU, JAPAN
	05	23	38	51.0*	32.152	S	71.540	W	10	G		0.8	13	NEAR COAST OF CENTRAL CHILE
	06	02	28	18.4*	6.921	N	72.598	W	194	?	4.4	0.5	10	NORTHERN COLOMBIA
a	06	02	30	41.1	16.230	N	120.498	E	39	D	5.3 4.5	0.9	141	LUZON, PHILIPPINE ISLANDS
	06	02	42	06.8*	31.145	S	68.474	W	103	?		0.7	15	SAN JUAN PROVINCE, ARGENTINA
	06	03	26	10.5	39.163	N	20.525	E	10	G		1.5	20	GREECE-ALBANIA BORDER REGION. ML 3.7 (ATH).
	06	03	29	01.4	17.337	N	120.831	E	10	G	4.5 4.2	1.4	27	LUZON, PHILIPPINE ISLANDS
	06	03	29	49.0	43.409	N	10.212	E	10			1.0	30	CENTRAL ITALY. ML 2.8 (LDG).
	06	03	47	57.3?	6.89	S	130.16	E	118	?	4.1	1.0	9	BANDA SEA
	06	05	59	25.5%	43.994	N	7.542	E	10	G		0.4	5	NEAR SOUTH COAST OF FRANCE. ML 1.7 (GEN).
	06	06	48	00.5	44.073	N	128.610	W	10	G		0.8	72	OFF COAST OF OREGON. CL 3.4 (SEA).
	06	07	15	05.3*	43.955	N	20.600	E	10	G		0.9	11	YUGOSLAVIA. ML 2.5 (TTG).
	06	07	28	33.0%	43.828	N	7.577	E	10	G		0.2	5	NEAR SOUTH COAST OF FRANCE. MD 1.0 (STR).
	06	07	42	16.7	44.235	N	7.419	E	10	G		0.3	8	NORTHERN ITALY. ML 1.9 (GEN).
	06	08	27	18.8	43.706	N	12.135	E	12			0.9	40	CENTRAL ITALY. MD 3.4 (TRI). ML 3.2 (LDG).
	06	08	38	04.0?	52.31	N	169.52	W	33	N	4.6	0.9	6	FOX ISLANDS, ALEUTIAN ISLANDS
	06	08	40	01.5	24.121	S	66.831	W	181		4.6	1.1	76	SALTA PROVINCE, ARGENTINA
	06	09	08	48.5	38.163	N	23.094	E	10	G		1.0	9	GREECE. ML 3.3 (ATH).
	06	09	55	25.3*	31.687	S	68.871	W	33	N		0.7	6	SAN JUAN PROVINCE, ARGENTINA
	06	10	06	20.3%	43.709	N	12.087	E	10	G		0.7	5	CENTRAL ITALY
	06	10	47	24.5*	34.126	S	70.702	W	20		4.1	1.0	18	CHILE-ARGENTINA BORDER REGION
	06	11	11	25.9	42.924	N	18.300	E	10	G		0.9	8	YUGOSLAVIA. ML 2.5 (TTG).
	06	11	22	58.2*	34.310	S	70.581	W	10	G		0.9	11	CHILE-ARGENTINA BORDER REGION
	06	11	28	48.8	10.389	S	75.181	W	33	N	4.0	1.4	15	PERU
	06	11	29	08.6?	34.40	S	70.50	W	10	G		0.8	10	CHILE-ARGENTINA BORDER REGION
	06	12	25	18.2?	0.45	S	123.52	E	156	?	4.2	0.6	6	MINAHASSA PENINSULA
	06	13	37	07.3?	15.55	N	121.04	E	33	N		1.3	4	LUZON, PHILIPPINE ISLANDS
	06	13	39	33.2%	26.393	S	27.485	E	5	G		0.5	7	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	06	13	39	51.8	37.073	N	23.043	E	10	G		0.7	7	SOUTHERN GREECE. ML 3.1 (ATH).
	06	13	47	27.2	37.026	N	23.166	E	10	G		1.3	10	SOUTHERN GREECE. ML 3.2 (ATH).
	06	13	58	32.8?	31.76	S	67.84	W	10	G		1.0	5	SAN JUAN PROVINCE, ARGENTINA
	06	13	59	10.6*	59.137	S	159.386	E	10	G	4.9 4.6	1.1	12	MACQUARIE ISLANDS REGION
	06	14	26	10.9*	36.906	N	71.069	E	33	N	4.2	1.3	10	AFGHANISTAN-USSR BORDER REGION
	06	14	30	36.1%	39.152	N	27.633	E	10	G		0.3	5	TURKEY
	06	14	33	57.4&	60.773	N	151.813	W	71				53	KENAI PENINSULA, ALASKA. <AGS-P>.
	06	14	50	34.9?	0.44	S	124.03	E	33	N	4.4	0.9	5	MOLUCCA SEA
	06	16	06	52.6*	37.507	N	72.418	E	192	*	4.2	0.9	16	TAJIK SSR
a	06	16	23	17.8	15.962	S	173.572	W	81	D	5.3	1.1	136	TONGA ISLANDS
	06	17	09	49.3%	17.083	N	95.290	W	33	N		1.1	5	OAXACA, MEXICO
	06	18	17	00.3%	37.743	N	29.159	E	5	G		1.5	7	TURKEY
	06	20	30	30.7%	26.362	S	27.374	E	5	G		0.9	7	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
a	06	20	30	44.9	56.104	S	27.700	W	112	D	5.6	0.8	126	SOUTH SANDWICH ISLANDS REGION
	06	22	48	52.7*	18.205	N	67.078	W	33	N		0.6	5	MONA PASSAGE
	07	00	02	27.8*	34.184	S	70.666	W	10	G		1.3	15	CHILE-ARGENTINA BORDER REGION
	07	02	37	09.2?	16.13	N	120.26	E	10	G	4.4	0.5	5	LUZON, PHILIPPINE ISLANDS. Felt (II RF) at Baguio.
	07	03	04	14.6%	26.365	S	27.443	E	5	G		0.8	7	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	07	03	34	12.8	37.650	N	27.842	E	5	G		1.4	8	TURKEY. MD 3.8 (ATH).
	07	03	55	21.8	11.332	S	118.843	E	33	N	5.0	1.2	50	SOUTH OF SUMBAWA ISLAND
	07	03	56	16.8	15.813	N	60.782	W	27			0.2	11	LEEWARD ISLANDS. ML 3.0 (FDF).
	07	04	23	56.0*	16.020	N	121.316	E	33	N	4.3	0.5	9	LUZON, PHILIPPINE ISLANDS
	07	04	44	37.2*	23.778	N	121.809	E	33	N		0.7	7	TAIWAN
	07	05	05	56.4&	36.850	N	89.240	W	7				27	NEW MADRID, MISSOURI REGION. <SLM>. mbLg 3.0 (SLM). Felt (IV) at Wyatt, Missouri and (III) at Wolf Island, Missouri.
	07	05	14	33.4	36.342	N	27.050	E	10	G		0.8	9	DODECANESE ISLANDS. MD 3.8 (ATH).
	07	05	56	11.2%	17.712	N	94.970	W	112	?		1.2	12	CHIAPAS, MEXICO
	07	06	30	49.7%	37.009	N	29.419	E	10	G		1.1	6	TURKEY
	07	07	14	01.2*	19.080	S	65.595	E	10	G	5.1 4.7	0.6	16	MASCARENE ISLANDS REGION
	07	08	26	15.0&	64.231	N	149.206	W	0				26	CENTRAL ALASKA. <AGS-P>. ML 2.9 (PMR).
	07	08	53	53.6%	39.292	N	27.687	E	10	G		0.6	5	TURKEY
	07	09	15	16.5?	44.76	N	6.66	E	10	G		0.5	4	FRANCE. ML 1.9 (GEN).
	07	10	35	04.6&	36.863	N	121.637	W	3				15	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	07	10	36	46.2*	27.743	N	102.465	E	10	G	4.8	1.2	7	SICHUAN PROVINCE, CHINA
	07	10	48	07.3	42.022	N	20.205	E	10	G		0.4	7	YUGOSLAVIA. ML 2.5 (TTG).

	07	11 14 31.8	42.037	N	20.178	E	9			0.9	43	YUGOSLAVIA. ML 3.5 (TTG). MD 3.5 (ATH). Felt at Kukes, Albania.
	07	13 08 36.2*	26.254	S	27.383	E	5	G		1.3	5	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
	07	13 09 19.4	37.035	N	29.529	E	10	G		1.2	33	TURKEY. MD 4.0 (ATH).
	07	13 23 48.0?	40.05	N	23.90	E	10	G		1.2	6	GREECE. MD 2.1 (THE).
	07	13 29 49.9?	37.93	N	19.68	E	10	G		1.4	6	IONIAN SEA. MD 3.2 (ATH).
	07	13 49 43.7&	60.320	N	152.404	W	90				38	SOUTHERN ALASKA. <AGS-P>.
	07	14 54 43.1	42.129	N	144.808	E	34		4.7 4.0	1.1	52	HOKKAIDO, JAPAN REGION
	07	14 59 25.3%	36.862	N	29.457	E	10	G		0.8	5	TURKEY
	07	16 17 30.2%	26.382	S	27.472	E	5	G		0.7	8	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	07	17 27 31.0?	38.85	N	27.35	E	10	G		1.2	4	TURKEY
	07	18 24 29.2?	38.65	N	31.48	E	10	G		0.3	4	TURKEY
	07	18 39 47.8&	36.867	N	121.317	W	3				21	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Ma=7.6*10**14 Nm (BRK). Felt (III) at Aromas. Also felt at Moss Landing.
	07	18 49 55.9%	39.274	N	20.884	E	10	G		1.1	6	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	07	18 57 26.5&	61.355	N	147.627	W	14				36	SOUTHERN ALASKA. <AGS-P>. ML 2.7 (PMR).
	07	19 22 06.5*	19.097	S	65.620	E	10	G	5.1 4.5	0.7	27	MASCARENE ISLANDS REGION
	07	19 50 06.8	8.706	N	126.414	E	84	*	4.5	1.1	24	MINDANAO, PHILIPPINE ISLANDS
	07	19 54 16.0*	31.973	S	71.856	W	10	G		0.8	15	NEAR COAST OF CENTRAL CHILE
	07	20 43 20.9	22.355	N	120.798	E	34	*	4.3	1.1	26	TAIWAN
	07	20 49 21.5	19.128	S	175.883	W	277		4.9	0.9	72	TONGA ISLANDS
	07	21 30 01.5*	31.906	S	71.627	W	10	G		1.2	11	NEAR COAST OF CENTRAL CHILE
	07	21 35 05.1	34.056	N	140.250	E	84	?	4.5	0.9	11	NEAR EAST COAST OF HONSHU, JAPAN
	07	21 38 47.3?	32.94	S	68.07	W	10	G		0.3	5	MENDOZA PROVINCE, ARGENTINA
	07	21 44 09.2	12.964	N	143.685	E	142		4.5	0.6	29	SOUTH OF MARIANA ISLANDS
	07	22 16 31.6%	39.253	N	29.297	E	10	G		1.1	5	TURKEY
	07	22 34 21.8?	11.01	S	119.18	E	33	N	4.0	1.3	11	SOUTH OF SUMBA ISLAND
	07	23 04 39.6	40.085	N	19.889	E	10	G		0.7	16	ALBANIA. MD 3.5 (ATH). ML 3.0 (TTG). Felt at Vlora.
	08	00 21 07.4&	61.536	N	150.112	W	40				48	SOUTHERN ALASKA. <AGS-P>. ML 3.7 (PMR). Felt (III) at Palmer.
	08	00 30 27.6&	59.830	N	151.783	W	63				30	KENAI PENINSULA, ALASKA. <AGS-P>.
	08	00 35 06.8	37.171	N	22.039	E	10	G	4.8 3.9	1.2	154	SOUTHERN GREECE. ML 4.9 (SKO), 4.6 (ATH). MD 4.8 (HLW), 4.4 (THE).
	08	00 53 54.2&	61.380	N	151.007	W	61				38	SOUTHERN ALASKA. <AGS-P>.
	08	01 49 08.2%	39.467	N	28.290	E	10	G		1.0	5	TURKEY
	08	04 40 58.8	37.082	N	22.016	E	10	G		1.3	19	SOUTHERN GREECE. ML 3.4 (ATH).
	08	06 17 03.4	10.922	N	61.157	W	10	G		0.7	6	TRINIDAD. MD 3.2 (TRN).
	08	06 52 10.9%	40.836	N	15.286	E	10	G		0.9	7	SOUTHERN ITALY
	08	07 49 22.4?	31.73	S	72.55	W	10	G		1.0	15	OFF COAST OF CENTRAL CHILE
	08	07 56 18.2?	35.60	N	74.69	E	201	?	4.0	0.4	10	NORTHWESTERN KASHMIR
	08	08 24 33.7?	17.88	S	178.17	W	541	*	4.8	0.5	15	FIJI ISLANDS REGION
	08	08 40 45.8?	32.16	S	73.27	W	16			0.7	15	OFF COAST OF CENTRAL CHILE
	08	08 40 54.9?	18.10	N	61.72	W	10	G		0.2	7	LEEWARD ISLANDS. ML 3.2 (FDF).
	08	09 06 40.9%	44.007	N	7.598	E	10	G		0.4	7	NORTHERN ITALY. ML 1.9 (GEN).
	08	09 24 57.6?	31.30	S	69.34	W	33	N		1.5	5	SAN JUAN PROVINCE, ARGENTINA
	08	09 34 59.8	37.070	N	22.538	E	10	G	4.1	1.2	20	SOUTHERN GREECE. ML 3.5 (ATH).
	08	09 53 18.7	37.038	N	21.993	E	14		4.1	1.1	15	SOUTHERN GREECE. MD 3.5 (ATH).
	08	10 10 57.6%	44.278	N	6.706	E	10	G		0.5	7	FRANCE. ML 2.0 (GEN).
	08	10 33 07.2*	21.218	S	178.652	W	556	?	4.3	0.9	22	FIJI ISLANDS REGION
	08	11 10 21.8*	31.217	S	69.040	W	33	N		1.5	6	SAN JUAN PROVINCE, ARGENTINA
	08	11 10 49.1*	35.753	N	140.153	E	124	*	4.8	0.9	21	NEAR EAST COAST OF HONSHU, JAPAN
	08	11 52 10.6*	35.555	N	73.822	E	33	N	4.8	0.9	10	NORTHWESTERN KASHMIR
	08	12 18 23.5	6.394	S	130.016	E	139	?	4.7	1.2	31	BANDA SEA
	08	14 19 50.0	44.459	N	7.272	E	10	G		0.3	17	NORTHERN ITALY. ML 2.4 (GEN), 2.2 (LDG).
	08	14 21 16.5%	26.243	S	28.356	E	5	G		1.4	8	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
a	08	14 42 38.9	8.497	N	103.253	W	10	G	5.2 5.1	1.3	59	OFF COAST OF MEXICO. Ms 4.9 (PAS).
	08	14 43 13.9	42.945	N	17.932	E	5	G		1.0	12	ADRIATIC SEA. ML 2.9 (TTG).
	08	15 38 36.1	42.083	N	24.754	E	10	G		1.4	9	BULGARIA. MD 2.9 (ATH).
	08	15 54 17.1&	62.641	N	149.640	W	69				44	CENTRAL ALASKA. <AGS-P>.
	08	17 14 59.5*	31.242	S	69.254	W	132	?		0.9	16	SAN JUAN PROVINCE, ARGENTINA
	08	17 45 51.8?	14.99	N	59.89	W	10	G		0.3	6	WINDWARD ISLANDS. ML 3.4 (FDF).
	08	18 07 17.8	16.339	N	120.832	E	10	G	4.3 3.8	0.9	9	LUZON, PHILIPPINE ISLANDS
	08	18 07 26.8*	14.733	N	60.462	W	33	N	4.1	0.9	11	WINDWARD ISLANDS. ML 4.4 (FDF). Felt (II) on Martinique.
	08	19 27 06.2*	6.189	S	149.034	E	61	*	4.7	0.8	17	NEW BRITAIN REGION
	08	19 38 20.8*	15.158	N	120.523	E	10	G	4.4	1.2	8	LUZON, PHILIPPINE ISLANDS
	08	19 54 42.3	14.041	S	166.287	E	40	*	5.0 4.3	1.1	77	VANUATU ISLANDS
	08	22 01 03.4?	9.92	N	103.33	W	10	G	4.4	1.1	17	OFF COAST OF MEXICO
	08	22 46 25.5?	15.26	N	60.63	W	29	*		0.1	6	LEEWARD ISLANDS. ML 2.6 (FDF).
	08	23 25 45.3	28.105	S	26.934	E	5	G		0.9	11	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
	08	23 27 46.4	16.286	N	120.642	E	20		5.0 4.5	1.3	78	LUZON, PHILIPPINE ISLANDS
	08	23 52 45.4	23.115	N	120.954	E	10	G		0.8	6	TAIWAN
	09	01 18 25.6*	28.215	S	70.879	W	33	N		1.3	14	CENTRAL CHILE
	09	01 35 35.4	40.817	N	22.471	E	10	G		0.8	8	GREECE. MD 2.2 (THE). ML 1.7 (SKO).
	09	02 06 36.1&	19.340	N	155.114	W	9		4.8 4.7		96	HAWAII. <HVO-P>. ML 5.0 (HVO). Felt (V) at Hilo, Honamu and Pepeekeo; (IV) at Hakalau and Volcano; (III) at Honokaa, Mountain View, Paauila, Pahala and Papaaloa.
	09	02 12 37.7*	39.390	N	25.955	E	10	G		1.8	7	AEGEAN SEA. MD 2.9 (ATH).
	09	02 36 33.9%	47.586	N	5.448	E	10	G		0.6	5	FRANCE. ML 2.4 (LDG).
	09	02 42 08.7*	15.636	S	172.603	W	33	N	4.7 5.0	0.7	39	SAMOA ISLANDS REGION
	09	05 31 59.6&	60.742	N	151.146	W	15				40	KENAI PENINSULA, ALASKA. <AGS-P>.
	09	06 28 24.9&	40.467	N	125.702	W	5		4.0		24	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK).
	09	06 29 26.3%	15.717	N	93.540	W	33	N		0.6	6	NEAR COAST OF CHIAPAS, MEXICO
a	09	06 56 51.0*	13.228	S	112.106	W	10	G	5.1 4.8	0.9	54	NORTHERN EASTER I. CORDILLERA
	09	07 33 52.3	7.199	S	129.187	E	113	*	5.1	1.0	47	BANDA SEA
	09	09 30 44.7*	7.788	N	126.553	E	83	*	4.3	0.8	13	MINDANAO, PHILIPPINE ISLANDS
	09	09 52 32.2?	15.02	S	72.25	W	33	N		0.6	6	SOUTHERN PERU
	09	11 01 58.0%	45.597	N	1.098	E	10	G		0.6	6	FRANCE. ML 2.2 (LDG).
	09	11 05 44.8?	16.34	N	120.42	E	10	G		0.3	4	LUZON, PHILIPPINE ISLANDS
	09	12 29 26.5*	32.699	N	47.484	E	62	*	4.4	0.5	6	IRAN-IRAQ BORDER REGION
	09	12 38 32.8*	32.711	N	47.555	E	55	?	4.2 3.4	1.3	7	IRAN-IRAQ BORDER REGION
	09	13 08 50.3*	6.555	S	127.476	E	427	?	4.6	1.0	18	BANDA SEA

	09	13	15	52.7	34.330	N	119.703	W	20	G			0.7	21	SOUTHERN CALIFORNIA. ML 3.1 (NEIS). Felt (III) at Santa Barbara.
	09	13	44	39.6*	2.548	N	128.359	E	41	?	5.1	3.6	1.3	16	HALMAHERA
	09	14	21	47.6%	26.906	S	26.758	E	5	G			0.6	8	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
	09	14	54	31.8&	60.590	N	152.277	W	88					33	SOUTHERN ALASKA. <AGS-P>.
	09	14	58	26.8*	12.360	S	76.946	W	33	N			0.2	5	NEAR COAST OF PERU. Felt (III) at Lima.
	09	15	04	21.0	43.414	N	5.446	E	5	G			0.6	17	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	09	15	10	48.9?	30.13	S	179.57	W	384	?	4.5		1.2	15	KERMADEC ISLANDS REGION
	09	15	16	20.7%	44.009	N	11.296	E	10	G			0.5	8	NORTHERN ITALY
	09	15	27	39.0%	26.339	S	27.358	E	5	G			1.1	6	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
	09	15	44	18.9&	60.178	N	153.192	W	143					34	SOUTHERN ALASKA. <AGS-P>.
	09	15	57	18.3%	17.377	N	94.688	W	130	?			0.6	6	CHIAPAS, MEXICO
	09	17	04	09.1*	16.188	N	120.534	E	10	G			1.0	5	LUZON, PHILIPPINE ISLANDS
	09	17	16	29.5?	16.25	N	120.37	E	10	G			1.9	5	LUZON, PHILIPPINE ISLANDS
	09	17	26	33.0*	16.323	N	120.551	E	10	G			1.3	5	LUZON, PHILIPPINE ISLANDS
	09	17	50	01.3%	45.801	N	26.715	E	98	?			0.7	7	ROMANIA
	09	17	50	45.5	37.003	N	29.495	E	10	G			0.5	5	TURKEY
	09	17	53	45.0?	14.98	S	179.07	W	434	*	4.3		0.3	9	FIJI ISLANDS REGION
	09	18	12	47.1%	31.689	S	117.047	E	10	G			0.3	6	WESTERN AUSTRALIA
	09	18	23	20.2?	19.41	N	109.22	W	10	G	4.0		1.2	29	REVILLA GIGEDO ISLANDS REGION
	09	18	26	44.1	36.679	N	2.455	E	10	G			0.8	31	ALGERIA. mbLg 3.7 (MDD).
	09	19	09	41.0&	57.649	N	155.046	W	29					21	ALASKA PENINSULA. <AGS-P>.
	09	19	16	57.0	43.996	N	7.433	E	10	G			0.8	64	NEAR SOUTH COAST OF FRANCE. ML 3.4 (GEN), 3.2 (LDG). MD 3.1 (STR).
	09	19	45	59.8*	37.101	N	33.042	W	10	G	4.4		1.1	25	AZORES ISLANDS REGION
	09	20	01	33.6*	16.385	N	120.853	E	10	G			0.7	5	LUZON, PHILIPPINE ISLANDS
	09	20	03	18.9%	33.145	S	70.276	W	10	G			0.2	7	CHILE-ARGENTINA BORDER REGION
	09	20	11	23.5*	16.378	N	120.818	E	10	G			0.2	5	LUZON, PHILIPPINE ISLANDS
	09	20	29	30.1%	33.160	S	70.847	W	10	G			0.3	7	CHILE-ARGENTINA BORDER REGION
	09	20	48	37.8	16.298	N	120.805	E	10	G	4.2		0.8	6	LUZON, PHILIPPINE ISLANDS
	09	21	02	15.0*	24.098	N	122.325	E	22		4.0		1.3	20	TAIWAN REGION. ML 3.7 (BJI).
	09	21	39	37.6%	39.173	N	28.227	E	10	G			1.5	8	TURKEY
	09	22	00	13.2?	46.19	N	26.65	E	160	G			0.3	7	ROMANIA
	09	22	29	46.5*	31.748	S	72.310	W	10	G			0.8	12	OFF COAST OF CENTRAL CHILE
	09	23	05	06.1%	43.976	N	8.448	E	10	G			0.3	5	CORSICA. ML 1.7 (GEN).
	10	00	16	16.5	40.261	N	70.886	E	33	N	4.6		0.7	38	TAJIK SSR. Felt (V) at Kakand and (II) at Kanibadam.
a	10	01	51	19.4	0.076	S	122.954	E	172		5.4		1.0	215	MINAHASSA PENINSULA
	10	02	50	09.2*	9.169	S	67.246	E	10	G	4.6		1.3	27	MID-INDIAN RISE
	10	02	55	10.7&	59.944	N	152.580	W	92		3.3			47	SOUTHERN ALASKA. <AGS-P>.
	10	03	02	33.7	31.130	S	71.191	W	33	N			1.3	18	NEAR COAST OF CENTRAL CHILE
	10	03	52	21.9	46.968	N	11.386	E	5	G			1.2	8	NORTHERN ITALY. ML 2.0 (VIE).
	10	05	15	27.4*	37.666	N	30.179	E	10	G			0.9	5	TURKEY
a	10	05	37	52.1	20.199	S	168.328	E	47	D	5.8	5.6	0.9	401	LOYALTY ISLANDS. Ms 5.9 (BRK). Mo=1.6*10**18 Nm (PPT). Felt (III) at Naumea, New Caledania.
	10	06	15	05.9*	15.837	S	176.584	W	22	D	4.8		1.0	39	FIJI ISLANDS REGION
	10	07	00	25.6%	31.343	S	68.007	W	10	G			0.5	6	SAN JUAN PROVINCE, ARGENTINA
	10	07	09	30.5&	63.481	N	145.514	W	11					34	CENTRAL ALASKA. <AGS-P>. ML 2.8 (PMR).
	10	08	08	57.4?	14.90	N	92.41	W	99	*	4.1		1.2	12	NEAR COAST OF CHIAPAS, MEXICO
	10	08	16	12.7?	4.52	S	152.90	E	86	?	4.9		0.8	8	NEW BRITAIN REGION
	10	09	21	25.1%	38.876	N	27.508	E	10	G			1.0	5	TURKEY
	10	09	30	43.5%	43.733	N	7.187	E	10	G			0.5	6	NEAR SOUTH COAST OF FRANCE. MD 1.3 (STR).
	10	09	43	14.8%	44.563	N	7.265	E	10	G			0.3	9	NORTHERN ITALY. ML 2.0 (GEN).
	10	10	40	10.8%	31.202	S	68.997	W	33	N			1.3	6	SAN JUAN PROVINCE, ARGENTINA
	10	10	49	55.5*	5.952	S	153.450	E	32	*	4.6		1.0	13	NEW IRELAND REGION
	10	11	07	51.8&	57.109	N	143.141	W	10	G				48	GULF OF ALASKA. <AGS-P>. ML 4.1 (PMR).
	10	11	19	12.8*	36.628	N	23.698	E	125	*			0.9	13	SOUTHERN GREECE
	10	11	23	32.6	15.936	N	93.979	W	79		5.1		0.8	150	NEAR COAST OF CHIAPAS, MEXICO
	10	11	41	29.4	18.239	S	177.906	W	469		4.8		1.1	74	FIJI ISLANDS REGION
	10	11	57	40.1?	35.13	S	71.39	W	10	G			0.3	8	CENTRAL CHILE
	10	12	38	39.7	42.251	N	23.953	E	10	G			0.6	8	BULGARIA. MD 2.9 (THE).
	10	12	40	50.6?	15.22	S	72.11	W	33	N			0.7	7	SOUTHERN PERU
	10	13	10	44.3?	37.58	N	30.08	E	10	G			0.1	4	TURKEY
	10	13	11	17.7&	61.459	N	149.953	W	45					24	SOUTHERN ALASKA. <AGS-P>.
	10	13	21	19.0*	35.365	N	135.279	E	378		4.7		1.2	16	SOUTHERN HONSHU, JAPAN
	10	14	32	21.9	16.473	N	121.026	E	10	G	4.7		1.4	23	LUZON, PHILIPPINE ISLANDS
	10	14	34	56.0	43.914	N	8.458	E	10	G			0.8	23	CORSICA. ML 2.8 (GEN), 2.7 (LDG). MD 2.2 (STR).
	10	15	00	00.2	57.413	N	33.094	W	10	G	4.8	4.2	1.1	84	NORTH ATLANTIC OCEAN
	10	15	03	45.6%	39.253	N	28.263	E	10	G			1.0	11	TURKEY
	10	15	10	59.7?	58.02	N	30.72	W	10	G	4.3	3.6	0.8	22	NORTH ATLANTIC OCEAN
a	10	15	44	31.3	0.333	N	126.175	E	53		5.8		1.1	298	MOLUCCA PASSAGE. Ma=5.0*10**18 Nm (PPT).
	10	16	33	25.6	17.500	N	121.412	E	36	*	4.8		1.5	49	LUZON, PHILIPPINE ISLANDS. Felt (II RF) at Santa.
	10	16	49	07.0	0.304	N	126.191	E	91	*	4.9		1.2	38	MOLUCCA PASSAGE
	10	17	15	07.7%	26.426	S	27.376	E	5	G			0.6	8	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	10	17	18	18.3?	0.51	N	126.35	E	33	N	4.4		1.0	9	MOLUCCA PASSAGE
	10	17	33	50.9&	40.713	N	122.173	W	5	G				5	NORTHERN CALIFORNIA. <BRK>. ML 2.7 (BRK).
a	10	17	47	36.7	19.805	S	177.385	W	373	D	6.0		1.0	401	FIJI ISLANDS REGION. mb 6.1 (BRK).
a	10	19	02	17.6	57.510	N	32.943	W	10	G	4.8	4.7	1.0	135	NORTH ATLANTIC OCEAN
	10	20	09	37.7*	15.940	N	119.603	E	80	?	4.4		1.2	8	LUZON, PHILIPPINE ISLANDS
	10	21	01	22.7	37.066	N	29.614	E	10	G			1.4	6	TURKEY
a	10	21	11	49.0	6.572	N	60.240	E	10	G	5.5	5.0	1.1	198	CARLSBERG RIDGE
	10	22	36	12.7*	31.663	S	72.215	W	33	N			0.5	13	OFF COAST OF CENTRAL CHILE
	10	22	59	38.9?	43.88	N	7.17	E	10	G			0.1	4	NEAR SOUTH COAST OF FRANCE. MD 1.0 (STR).
	11	00	16	19.3?	22.82	S	179.29	W	600	G	4.5		0.8	19	SOUTH OF FIJI ISLANDS
	11	00	28	53.9	44.001	N	8.383	E	10	G			0.3	15	NORTHERN ITALY. ML 2.3 (GEN), 2.1 (LDG).
	11	00	53	23.3%	19.805	S	133.859	E	10	G			1.7	6	NORTHERN TERRITORY, AUSTRALIA
	11	01	13	44.3?	15.19	N	118.71	E	33	N	4.1		0.3	5	PHILIPPINE ISLANDS REGION
	11	01	17	42.2&	36.038	N	118.465	W	2					13	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	11	02	15	56.2	34.383	N	24.949	E	18		4.1		1.4	65	CRETE. MD 4.3 (HLW). ML 4.2 (ATH).
	11	02	34	22.2*	0.165	N	33.118	E	33	N	4.5		1.8	6	LAKE VICTORIA REGION. mbLg 4.6 (BUL).
	11	02	45	18.1	6.106	S	130.479	E	120	*	5.1		1.0	55	BANDA SEA
a	11	02	59	54.9	0.059	S	78.449	W	5	G	5.0	4.4	1.2	136	ECUADOR. At least 4 people killed, 10 injured, 1,300 houses damaged and landslides in the Pomasqui area. Felt strongly at Quito.

	11	03	23	03.4?	31.32	S	68.50	W	100	G		0.5	5	SAN JUAN PROVINCE, ARGENTINA
	11	03	30	03.3	40.849	N	22.882	E	10	G		0.3	7	GREECE. ML 2.5 (SKO). MD 2.4 (THE).
	11	03	34	08.7*	0.126	S	78.519	W	14		3.8	1.5	15	ECUADOR
	11	04	04	55.1?	0.02	S	78.41	W	5	G		0.3	4	ECUADOR
	11	04	07	47.4%	43.984	N	8.395	E	10	G		0.3	7	CORSICA. ML 2.0 (GEN).
	11	04	20	36.5&	59.942	N	153.346	W	134		2.9		43	SOUTHERN ALASKA. <AGS-P>.
	11	04	55	13.5?	1.37	N	123.17	E	33	N	4.4	1.2	8	MINAHASSA PENINSULA
	11	04	55	38.7	28.403	N	127.967	E	24	*	4.7 4.4	1.3	29	EAST CHINA SEA
	11	05	15	21.3?	34.26	N	22.35	E	33	N	3.6	1.6	12	MEDITERRANEAN SEA. ML 3.8 (ATH).
	11	05	22	20.6%	60.901	N	5.835	E	5	G		0.6	8	SOUTHERN NORWAY. MD 1.7 (BER).
	11	05	28	31.6	26.440	S	27.329	E	5	G		1.3	8	REPUBLIC OF SOUTH AFRICA. mbLg 3.1 (BUL). ML 2.9 (PRE).
	11	05	31	46.8	47.298	N	7.956	E	10	G		0.7	24	SWITZERLAND. ML 3.3 (VIE), 3.1 (LDG). MD 2.6 (STR).
	11	05	56	56.6	51.567	N	6.828	E	10	G		1.0	10	GERMANY. ML 2.2 (BNS).
	11	06	09	38.5	18.968	N	103.478	W	57	D	4.5	1.6	53	NEAR COAST OF MICHOACAN, MEXICO. Felt at Ciudad Guzman, Colima and Mexico City.
	11	06	34	54.9%	0.036	S	78.451	W	10	G		0.5	6	ECUADOR
	11	06	43	09.6	40.890	N	22.668	E	9		3.6	1.2	44	GREECE. ML 3.8 (SKO), 3.7 (THE). MD 3.5 (ATH). Felt at Kilkis and Thessaloniki.
	11	06	45	46.4	40.874	N	22.709	E	4			0.8	25	GREECE. ML 3.6 (SKO). MD 3.4 (THE), 3.3 (ATH). Felt at Kilkis and Thessaloniki.
	11	07	11	41.2%	37.020	N	29.505	E	10	G		0.8	5	TURKEY
	11	07	19	57.3%	11.185	N	61.438	W	33	N		0.9	5	WINDWARD ISLANDS. MD 2.7 (TRN).
	11	07	20	08.4*	31.927	S	178.256	W	33	N	5.2	1.4	16	KERMADEC ISLANDS REGION
	11	07	49	05.9	4.913	S	151.217	E	195	*	4.8	0.7	17	NEW BRITAIN REGION
a	11	08	00	14.8	22.182	S	171.138	E	131	D	5.3	1.1	71	LOYALTY ISLANDS REGION
	11	08	03	48.7%	37.959	N	29.280	E	10	G		1.5	8	TURKEY
	11	09	22	42.7?	39.12	N	27.60	E	10	G		1.0	4	TURKEY
	11	09	22	56.5%	43.968	N	8.418	E	10	G		0.2	7	CORSICA. ML 2.3 (GEN).
	11	09	51	49.5	38.365	N	22.130	E	10	G		1.1	13	GREECE. ML 3.1 (ATH).
	11	10	52	26.1?	0.04	N	78.61	W	33	N		1.3	5	COLOMBIA-ECUADOR BORDER REGION
	11	11	16	41.1*	1.435	N	123.527	E	58	?	3.9 4.1	1.1	8	MINAHASSA PENINSULA
	11	11	42	16.4*	38.454	N	21.954	E	10	G		1.5	7	GREECE. MD 2.6 (ATH).
	11	12	49	15.3%	39.997	N	27.481	E	10	G		0.4	7	TURKEY
	11	12	56	28.2*	35.514	N	24.866	E	33	N	3.7	1.0	6	CRETE. MD 3.5 (ATH).
	11	15	20	24.7?	33.94	S	72.43	W	33	N		0.4	8	OFF COAST OF CENTRAL CHILE
	11	15	46	56.2%	41.223	N	29.313	E	10	G		0.6	8	TURKEY
	11	16	25	46.0%	31.938	S	117.235	E	5	G		1.6	5	WESTERN AUSTRALIA
	11	16	51	31.9?	20.29	S	168.28	E	33	N	4.7	1.6	6	LOYALTY ISLANDS
	11	17	54	57.0%	23.102	S	130.245	E	10	G		1.3	12	NORTHERN TERRITORY, AUSTRALIA
	11	18	07	33.9?	38.65	N	15.30	E	10	G		0.6	4	SICILY
	11	18	16	41.0?	16.33	S	71.77	W	132	*	3.9	1.0	10	SOUTHERN PERU. Felt (II) at Arequipa.
	11	19	50	04.4?	0.03	S	78.41	W	5	G		0.3	4	ECUADOR
	11	21	04	37.7*	29.324	N	32.566	E	10	G		0.2	5	ARAB REPUBLIC OF EGYPT. MD 3.8 (HLW).
a	11	21	09	39.6	16.352	N	120.414	E	30		5.2 4.6	0.9	167	LUZON, PHILIPPINE ISLANDS
	11	21	53	02.3&	36.803	N	121.557	W	2				19	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	11	22	04	32.9&	61.585	N	151.003	W	69		3.2		47	SOUTHERN ALASKA. <AGS-P>.
	11	22	32	23.1*	17.600	S	73.899	W	33	N		1.2	9	OFF COAST OF PERU
	11	22	46	58.2?	18.39	S	168.07	E	33	N	4.7	1.6	53	VANUATU ISLANDS
	11	23	17	30.7*	7.139	N	34.203	W	10	G	4.5 4.8	0.9	14	CENTRAL MID-ATLANTIC RIDGE
	11	23	26	18.3*	38.352	N	22.044	E	10	G		1.4	9	GREECE. MD 3.0 (ATH).
	12	00	09	30.1	6.050	S	130.479	E	129	D	5.2	0.9	69	BANDA SEA
a	12	00	35	03.2	0.964	N	28.808	W	10	G	5.2 5.2	1.0	179	CENTRAL MID-ATLANTIC RIDGE
	12	01	29	47.7	39.905	N	23.984	E	10	G		1.0	12	AEGEAN SEA. MD 3.1 (ATH), 2.8 (THE).
	12	01	43	05.7*	14.904	N	146.811	E	33	N	4.4	1.5	15	MARIANA ISLANDS
	12	01	50	19.6%	39.961	N	23.947	E	10	G		0.7	8	AEGEAN SEA. MD 2.4 (THE).
	12	02	24	59.8?	47.81	N	150.24	E	33	N	3.9	0.7	4	KURIL ISLANDS
	12	02	26	53.3?	36.89	N	28.19	E	71	?		0.5	5	DODECANESE ISLANDS
	12	02	39	12.7?	31.52	S	67.84	W	80	G		0.3	7	SAN JUAN PROVINCE, ARGENTINA
	12	02	54	49.9	51.183	N	5.419	E	10	G		0.9	22	NETHERLANDS. ML 3.1 (LDG), 2.7 (BNS). MD 2.7 (UCC).
	12	03	04	16.9*	59.137	S	159.068	E	10	G	4.7 4.6	1.6	14	MACOUARIE ISLANDS REGION
	12	04	37	21.7%	40.647	N	30.152	E	10	G		1.1	6	TURKEY
	12	04	56	42.2?	37.00	N	29.49	E	10	G		0.7	4	TURKEY
	12	05	33	16.9*	38.778	N	23.693	E	5	G		1.6	8	GREECE. ML 3.0 (ATH).
	12	05	35	19.2	0.385	S	80.305	W	33	N	4.4	0.8	19	NEAR COAST OF ECUADOR
	12	05	47	44.5*	37.465	N	71.637	E	33	N	3.6	0.3	5	AFGHANISTAN-USSR BORDER REGION
	12	06	31	17.9%	31.515	S	68.085	W	5	G		0.5	7	SAN JUAN PROVINCE, ARGENTINA
	12	06	52	00.9?	32.63	N	47.58	E	70	?	4.0	0.3	5	IRAN-IRAQ BORDER REGION
	12	07	25	51.2*	5.842	S	151.560	E	47	*	4.7	1.0	14	NEW BRITAIN REGION
a	12	07	51	55.1	13.277	N	143.935	E	144		5.5	1.1	203	SOUTH OF MARIANA ISLANDS. Felt (III) on Guam.
	12	07	54	35.9%	40.021	N	30.183	E	10	G		0.9	7	TURKEY
	12	08	08	22.4%	43.861	N	3.987	E	10	G		1.5	5	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG).
	12	08	30	18.0&	36.932	N	121.670	W	5				15	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	12	08	37	56.5&	36.927	N	121.683	W	11				17	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=2.2*10**14 Nm (BRK).
	12	09	30	26.1?	39.07	N	27.51	E	10	G		1.7	4	TURKEY
	12	09	56	46.5*	37.411	N	72.145	E	106	?	4.0	0.6	11	TAJIK SSR. Felt (II) at Khorag and Kulyab.
	12	10	21	02.3&	38.792	N	122.970	W	5				14	NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK).
	12	10	24	44.0?	39.64	N	29.42	E	10	G		0.7	4	TURKEY
	12	11	21	03.7%	37.884	N	15.068	E	10	G		0.5	7	SICILY
	12	11	23	51.1?	37.79	N	15.05	E	10	G		0.4	4	SICILY
	12	11	41	50.3%	43.108	N	3.796	E	10	G		1.0	9	NEAR SOUTH COAST OF FRANCE. ML 2.8 (LDG).
	12	11	43	50.5%	40.654	N	30.122	E	10	G		0.6	5	TURKEY
	12	11	44	13.9?	40.95	N	20.82	E	10	G		0.9	4	GREECE-ALBANIA BORDER REGION. ML 2.1 (SKO).
	12	11	55	55.0	44.513	N	148.721	E	33	N	4.6	0.7	26	KURIL ISLANDS
	12	13	01	20.0?	0.20	S	78.50	W	10	G		1.0	4	ECUADOR
	12	13	23	38.8%	35.406	N	26.268	E	33	N		0.8	5	CRETE. MD 3.6 (ATH).
	12	15	19	53.5%	44.818	N	6.820	E	10	G		0.4	6	FRANCE. ML 1.9 (GEN).
	12	15	26	09.1&	60.070	N	152.505	W	100				35	SOUTHERN ALASKA. <AGS-P>.
	12	16	40	52.9?	33.10	S	72.88	W	33	N		0.6	7	OFF COAST OF CENTRAL CHILE
	12	18	22	31.3	43.689	N	16.558	E	5	G		1.4	26	YUGOSLAVIA. ML 3.2 (TTG). Felt in the Sinj area.
f	12	21	25	21.9	19.435	S	169.132	E	140	G	6.3	1.1	551	VANUATU ISLANDS. mb 6.6 (PAS). Felt on Efate, Vanuatu and on Ouvea, Loyalty Islands. Felt (III) at Noumea, New Caledonia. Two events about 4 seconds apart. Depth

														from broodbond displacement seismograms, based on first event.
	12	21	38	50.8	50.049	N	7.847	E	10	G		1.5	13	GERMANY. ML 3.1 (LDG), 2.6 (BNS). MD 2.7 (UCC).
	12	22	14	07.7&	61.889	N	151.982	W	120				29	SOUTHERN ALASKA. <AGS-P>.
	12	22	39	06.5?	28.95	S	72.04	W	33	N		1.0	10	OFF COAST OF CENTRAL CHILE
	12	22	54	16.4	43.080	N	17.885	E	5	G		1.2	41	YUGOSLAVIA. ML 3.0 (TTG), 3.0 (LJU).
	12	23	00	17.0	43.017	N	17.764	E	10	G	4.2	1.5	145	YUGOSLAVIA. ML 4.6 (ZAG), 4.2 (LJU). MD 4.6 (TRI), 4.2 (THE), 4.1 (TTG). Felt (V) in the Copljina area.
	12	23	04	51.3	43.080	N	17.986	E	10	G		1.5	43	YUGOSLAVIA. ML 3.9 (ZAG), 3.2 (LJU). MD 3.5 (TTG). Felt at Bioto and Hutovo.
	12	23	23	44.8%	42.937	N	19.021	E	10	G		0.5	5	YUGOSLAVIA. ML 2.2 (TTG).
	12	23	58	56.0	39.320	N	20.175	E	10	G		1.4	15	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
	13	00	05	58.2*	20.584	S	168.353	E	34	D	4.9	1.3	37	LOYALTY ISLANDS
	13	00	50	00.1?	31.98	S	69.00	W	110	G		0.4	4	SAN JUAN PROVINCE, ARGENTINA
	13	01	45	44.7?	35.00	N	4.20	W	10	G		1.6	5	STRAIT OF GIBRALTAR. MD 3.5 (RBA).
	13	02	10	06.1	42.212	N	24.011	E	10	G		1.0	16	BULGARIA. MD 3.0 (THE), 2.9 (ATH).
	13	02	29	36.5%	39.249	N	29.155	E	10	G		1.7	6	TURKEY
	13	02	34	44.5	40.647	N	19.944	E	10	G		1.4	15	ALBANIA. MD 3.3 (ATH). ML 3.2 (SKO).
	13	02	47	04.5*	5.335	N	31.882	E	10	G	4.7 4.1	1.5	18	SUDAN
	13	02	47	35.6	43.144	N	17.713	E	10	G		1.4	13	YUGOSLAVIA
	13	03	51	12.6	43.422	N	18.832	E	10	G		1.1	28	YUGOSLAVIA. MD 2.9 (TTG).
	13	04	40	57.0?	44.79	N	6.69	E	10	G		0.5	5	FRANCE. ML 1.8 (GEN).
	13	05	03	09.0	40.648	N	19.936	E	10	G		1.5	14	ALBANIA. MD 3.1 (ATH). ML 2.8 (SKO).
	13	05	26	43.5?	14.36	S	73.35	W	33	N		0.9	6	PERU
	13	06	18	25.1	36.663	N	49.884	E	35	*	4.6 3.7	1.0	57	WESTERN IRAN. Felt at Rasht and Rudbar.
	13	06	21	31.9&	59.569	N	152.506	W	75				31	SOUTHERN ALASKA. <AGS-P>.
	13	06	44	09.5	42.996	N	17.847	E	10	G		1.0	10	ADRIATIC SEA. ML 2.9 (TTG).
	13	08	00	47.4*	5.623	S	150.249	E	33	N	4.6	0.9	9	NEW BRITAIN REGION
	13	08	46	45.9*	12.225	N	93.701	E	33	N	4.5	1.1	8	ANDAMAN ISLANDS REGION
	13	08	56	02.0%	39.132	N	27.669	E	10	G		0.8	5	TURKEY
	13	10	37	00.8?	32.14	S	71.55	W	33	N		1.4	8	NEAR COAST OF CENTRAL CHILE
	13	10	52	47.6	46.265	N	7.503	E	10	G		1.1	14	SWITZERLAND. ML 2.4 (LDG).
	13	11	05	36.5	40.672	N	23.542	E	10	G		0.9	26	GREECE. MD 3.4 (ATH), 3.3 (THE). ML 3.0 (SKO).
	13	11	09	11.4%	26.361	S	27.403	E	5	G		1.2	8	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
	13	11	56	11.2?	43.33	N	6.39	E	10	G		0.8	7	NEAR SOUTH COAST OF FRANCE
	13	12	43	16.8	44.804	N	6.747	E	10	G		0.5	14	FRANCE. ML 2.4 (GEN). MD 2.2 (STR).
	13	13	30	13.2*	15.110	S	175.769	W	33	N	4.9 5.2	1.1	49	TONGA ISLANDS
	13	13	49	17.2*	15.996	N	122.632	E	33	N	4.6 4.4	1.2	14	PHILIPPINE ISLANDS REGION
	13	14	37	40.6?	30.54	S	70.27	W	201	?		1.2	15	CHILE-ARGENTINA BORDER REGION
	13	14	40	51.8%	39.130	N	27.600	E	10	G		0.1	5	TURKEY
	13	14	46	21.1*	28.503	N	127.545	E	33	N	4.4 4.3	1.4	10	EAST CHINA SEA
	13	14	57	41.1*	18.719	S	65.398	E	10	G	4.9	1.0	20	MASCARENE ISLANDS REGION
	13	15	34	13.8%	44.761	N	6.419	E	10	G		0.5	6	FRANCE. ML 1.9 (GEN).
	13	16	07	43.8*	28.720	N	128.072	E	33	N	4.4	1.2	11	RYUKYU ISLANDS
	13	16	07	49.6*	1.599	N	123.795	E	46	?	4.5	1.3	13	MINAHASSA PENINSULA
	13	16	12	33.3	1.371	N	123.377	E	37	*	4.9 4.2	1.0	45	MINAHASSA PENINSULA
	13	17	08	18.3?	18.54	S	178.24	W	678	*	4.7	1.4	19	FIJI ISLANDS REGION
	13	17	11	57.8%	45.779	N	27.196	E	33	N		1.4	6	ROMANIA
	13	17	19	03.3&	60.350	N	152.065	W	72				45	SOUTHERN ALASKA. <AGS-P>.
	13	17	36	59.4?	37.30	N	28.31	E	10	G		0.4	4	TURKEY
	13	17	52	30.8?	46.86	N	1.83	E	10	G		0.2	4	FRANCE. MD 1.0 (STR).
	13	19	06	11.1	43.066	N	0.555	W	10	G		0.5	10	PYRENEES. ML 2.6 (LDG).
	13	19	12	45.5	43.192	N	0.585	W	14			1.4	31	PYRENEES. ML 3.5 (LDG).
	13	20	37	12.5?	29.49	S	176.29	W	33	N	4.5	1.6	8	KERMADEC ISLANDS REGION
	13	21	55	32.2	44.002	N	6.032	E	10	G		1.0	14	FRANCE. ML 2.1 (LDG).
	13	22	36	30.9	28.985	S	66.071	W	22	D	4.9	1.4	50	CATAMARCA PROVINCE, ARGENTINA. Felt (V) at San Fernando. Felt in Catamarca, La Rioja and San Juan Provinces.
o	13	23	04	20.5	60.115	N	152.006	W	88	D	5.3	0.8	336	SOUTHERN ALASKA. Felt (V) at Anchorage, Cantwell, Chugiak, Clam Gulch, Homer, Kasilof and Ninilchik. Felt (IV) at Eagle River, Elemendorf Air Force Base, Kenai, Moose Pass, Port Graham, Seldovia, Seward, Soldotna, Skwentna, Sterling, Sutton, Wasilla, Whittier and Willow.
	14	00	01	44.0&	37.610	N	121.978	W	2				13	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Mo=4.7*10**13 Nm (BRK). Felt at Fremont.
	14	00	22	40.3*	36.048	N	2.850	W	10	G		0.6	6	STRAIT OF GIBRALTAR
	14	00	26	26.7?	4.07	S	102.01	E	33	N	4.6	0.9	7	SOUTHERN SUMATERA
	14	00	37	32.7*	33.229	S	72.223	W	11			0.8	13	OFF COAST OF CENTRAL CHILE
	14	00	40	37.6?	33.13	S	72.28	W	10	G		0.4	9	OFF COAST OF CENTRAL CHILE
o	14	00	50	39.2	27.024	N	65.969	E	21	D	5.2 4.9	1.1	197	PAKISTAN
	14	01	36	20.4?	33.09	S	72.53	W	33	N		0.6	10	OFF COAST OF CENTRAL CHILE
	14	02	33	37.8	8.566	S	76.498	W	33	N	4.5	0.9	21	PERU
	14	04	13	20.5*	35.198	S	70.963	W	95	*	4.1	0.7	23	CHILE-ARGENTINA BORDER REGION
	14	04	50	28.2%	44.625	N	8.453	E	10	G		0.5	7	NORTHERN ITALY. ML 1.9 (GEN).
	14	05	15	04.2	31.761	S	72.431	W	33	N		0.6	14	OFF COAST OF CENTRAL CHILE
	14	05	40	49.9?	31.82	S	71.59	W	10	G		1.0	11	NEAR COAST OF CENTRAL CHILE
	14	06	10	55.5	20.143	S	168.282	E	40	D	5.1	1.2	99	LOYALTY ISLANDS
	14	06	47	18.3	1.902	N	127.365	E	33	N	4.9	1.1	29	HALMAHERA
	14	06	59	23.8	65.506	N	134.401	W	10	G	3.9	1.0	10	NORTHERN YUKON TERRITORY, CANADA
	14	07	08	45.3%	28.057	S	26.811	E	5	G		0.8	10	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
	14	07	14	18.2?	15.96	N	94.49	W	33	N		0.2	4	NEAR COAST OF OAXACA, MEXICO
	14	08	27	33.8?	59.83	N	152.59	W	102	?	3.4	0.5	7	SOUTHERN ALASKA
	14	08	46	43.2?	42.74	N	19.12	E	10	G		0.3	4	YUGOSLAVIA. MD 2.0 (TTG).
	14	09	18	51.0?	39.10	N	27.55	E	10	G		0.4	4	TURKEY
	14	09	31	32.6	8.057	N	126.949	E	64	?	5.1	1.3	39	MINDANAO, PHILIPPINE ISLANDS
	14	10	18	15.6&	60.641	N	151.649	W	62				39	KENAI PENINSULA, ALASKA. <AGS-P>.
	14	10	33	25.5%	39.174	N	27.667	E	10	G		1.7	5	TURKEY
	14	10	35	45.0?	5.42	S	131.38	E	33	N	4.6	1.7	8	BANDA SEA
	14	11	07	49.2	24.631	N	122.029	E	62		4.3	1.3	38	TAIWAN REGION. Felt (III JMA) at Su-ao, (II JMA) at Ilan and (I JMA) at Hualien and Taipei.
	14	12	01	18.0	38.409	N	21.827	E	10	G		1.3	12	GREECE. MD 3.0 (ATH).
	14	12	45	10.9	42.785	N	19.174	E	6			1.3	67	YUGOSLAVIA. ML 3.5 (TTG), 3.2 (LJU). Felt (IV) at

														Niksic.
	14	13	38	28.3	15.052	N	147.670	E	34	D	5.0	0.9	82	MARIANA ISLANDS REGION
	14	13	40	52.2?	14.80	N	147.82	E	33	N		1.5	4	MARIANA ISLANDS REGION
	14	13	46	29.6	15.137	N	147.590	E	31	D	4.6	1.1	25	MARIANA ISLANDS REGION
o	14	15	13	28.6	35.432	N	35.648	W	10	G	5.6 6.0	1.4	265	NORTH ATLANTIC RIDGE. Ms 5.9 (PAS), 5.6 (BRK).
	14	15	14	54.6&	38.837	N	122.815	W	3				11	NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK).
	14	15	17	43.5?	31.40	S	68.49	W	84	?		0.6	7	SAN JUAN PROVINCE, ARGENTINA
	14	15	19	04.6&	38.833	N	122.823	W	2				12	NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK).
	14	15	21	35.1&	38.775	N	123.123	W	5				11	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.8 (BRK).
	14	15	54	48.2	36.284	N	2.784	W	10	G		1.1	15	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).
	14	15	57	33.0	43.238	N	20.160	E	5	G		1.0	14	YUGOSLAVIA. ML 2.5 (TTG).
	14	15	59	07.8	53.113	N	158.714	E	33	N	5.1	0.7	103	NEAR EAST COAST OF KAMCHATKA
	14	16	09	57.4	10.456	S	123.956	E	33	N	4.7	1.1	17	TIMOR
	14	16	10	54.8	36.111	N	100.078	E	33	N	4.6	1.2	32	QINGHAI PROVINCE, CHINA. ML 4.7 (BJI).
	14	16	48	54.0*	16.456	N	60.808	W	28			0.5	9	LEEWARD ISLANDS. ML 3.3 (FDF).
	14	17	26	57.6	44.262	N	9.752	E	10	G		0.8	8	NORTHERN ITALY
	14	18	02	44.0%	44.481	N	9.763	E	10	G		1.0	10	NORTHERN ITALY
	14	18	05	45.3?	13.30	N	59.62	W	10	G		0.2	5	WINDWARD ISLANDS. MD 3.7 (TRN).
	14	18	14	36.6%	43.975	N	8.394	E	5	G		0.4	6	CORSICA. ML 1.8 (GEN).
	14	18	38	10.8%	44.276	N	9.748	E	10	G		0.9	11	NORTHERN ITALY
	14	18	39	43.9%	45.110	N	3.119	E	10	G		0.9	7	FRANCE. ML 2.0 (LDG).
	14	19	05	12.9&	38.832	N	122.793	W	3		4.5		31	NORTHERN CALIFORNIA. <BRK>. ML 4.5 (BRK). Mo=3.8*10**15 Nm (BRK). Felt (V) at Geyserville, Loch Lomond and Middletown; (IV) at Lower Lake; (III) at Cobb and Finley. Also felt at The Geysers and St. Helena.
o	14	19	45	28.1	51.294	N	178.901	W	33	N	5.2 4.9	1.0	152	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.3 (PMR). Felt (III) on Adak.
	14	20	28	49.1?	30.08	S	72.27	W	33	N		1.3	14	OFF COAST OF CENTRAL CHILE
	14	20	58	31.6	38.823	S	175.688	E	139		4.5	0.9	32	NORTH ISLAND, NEW ZEALAND. Felt at Dannevirke, Napier and Wellington.
	14	21	03	18.2	43.928	N	7.673	E	10	G		0.5	13	NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG), 2.1 (GEN).
	14	21	11	48.6?	17.49	S	176.62	W	260	G	4.7	1.2	24	FIJI ISLANDS REGION
	14	21	35	38.8	37.008	N	29.490	E	10	G		1.3	6	TURKEY
	14	21	57	29.6?	6.85	S	76.89	W	80	G	3.6	1.5	9	NORTHERN PERU
	14	22	44	54.2	35.629	N	11.460	E	10	G	3.8	0.8	32	TUNISIA
	14	23	39	19.1	46.800	N	7.028	E	10	G		1.2	13	SWITZERLAND
	14	23	50	10.8?	61.51	N	137.31	W	10	G		1.4	6	SOUTHERN YUKON TERRITORY, CANADA
	15	01	54	10.2?	12.91	S	77.81	W	10	G		0.7	6	NEAR COAST OF PERU
	15	02	16	28.0%	42.562	N	13.176	E	10	G		0.8	6	CENTRAL ITALY
	15	02	55	18.2*	3.173	S	130.307	E	33	N	4.4	1.1	6	CERAM
	15	03	11	21.2?	15.85	S	73.00	W	33	N		0.9	7	SOUTHERN PERU
	15	04	12	52.1?	42.22	N	139.27	E	224	?		0.7	5	HOKKAIDO, JAPAN REGION
	15	04	24	33.1*	14.477	S	75.002	W	92		4.4	1.1	14	NEAR COAST OF PERU
	15	04	29	15.3?	33.14	S	72.41	W	33	N		0.9	11	OFF COAST OF CENTRAL CHILE
	15	05	01	42.5	32.126	S	71.526	W	33	N		0.5	15	NEAR COAST OF CENTRAL CHILE
	15	06	04	03.4?	33.13	S	72.46	W	33	N		0.9	10	OFF COAST OF CENTRAL CHILE
	15	06	05	58.4?	33.16	S	72.20	W	10	G		0.4	9	OFF COAST OF CENTRAL CHILE
	15	06	21	13.6*	31.621	S	179.737	E	400	?	4.3	1.3	28	KERMADEC ISLANDS REGION
	15	07	28	46.3*	66.479	N	144.456	W	10	G		1.5	6	ALASKA
	15	07	36	45.0	6.861	N	73.011	W	158		4.3	0.8	22	NORTHERN COLOMBIA
	15	08	00	22.5?	33.70	S	66.58	W	10	G		1.0	13	SAN LUIS PROVINCE, ARGENTINA
	15	08	15	07.4&	59.784	N	153.350	W	115				49	SOUTHERN ALASKA. <AGS-P>.
	15	08	58	13.6?	31.00	S	179.71	W	358	?	5.5	1.7	24	KERMADEC ISLANDS REGION
	15	09	02	24.5*	31.867	S	71.685	W	30			0.9	14	NEAR COAST OF CENTRAL CHILE
	15	09	04	11.8?	36.90	N	29.59	E	33	N		0.4	4	TURKEY
	15	10	28	28.6%	26.193	S	27.567	E	5	G		1.1	5	REPUBLIC OF SOUTH AFRICA
	15	10	43	53.5%	39.092	N	27.684	E	10	G		0.4	9	TURKEY
	15	12	11	02.1%	39.155	N	27.664	E	10	G		1.0	5	TURKEY
	15	12	27	05.6%	26.386	S	27.313	E	5	G		1.3	6	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	15	12	40	19.2%	26.364	S	27.515	E	5	G		0.6	8	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
	15	12	46	20.3*	23.955	N	122.421	E	10	G		0.6	8	TAIWAN REGION
	15	12	49	47.3*	13.714	N	144.848	E	141		4.4	0.9	23	MARIANA ISLANDS. Felt (IV) on Guam.
o	15	13	23	36.3	18.834	S	69.096	W	120	D	5.2	1.4	144	NORTHERN CHILE. Felt (IV) at Tacna and (III) at Moquegua, Peru. Also felt at Arica, Chile.
	15	14	06	44.3*	39.288	N	72.696	E	33	N	4.3	1.0	8	KIRGHIZ SSR
	15	14	28	02.3?	33.11	S	72.43	W	10	G		0.4	9	OFF COAST OF CENTRAL CHILE
	15	15	16	50.0?	36.90	N	29.44	E	10	G		0.1	4	TURKEY
o	15	15	54	41.9	40.382	S	176.394	E	31	D	5.4 5.0	1.3	132	NORTH ISLAND, NEW ZEALAND. ML 5.6 (WEL). Felt at Dannevirke, Hastings, Hutt Valley, Levin, Masterton, Napier, Palmerston North and Wellington.
	15	16	18	36.1%	26.398	S	27.465	E	5	G		1.4	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	15	16	49	58.9%	26.335	S	27.553	E	5	G		1.1	9	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	15	16	56	44.7	36.323	N	2.922	W	10	G		1.2	25	STRAIT OF GIBRALTAR. mbLg 4.0 (MDD).
	15	18	03	58.9	53.380	N	163.415	E	18	D	4.7 4.0	1.0	28	OFF EAST COAST OF KAMCHATKA
	15	19	10	01.5?	31.51	S	68.10	W	33	N		1.7	5	SAN JUAN PROVINCE, ARGENTINA
	15	19	30	54.4&	63.225	N	149.643	W	94				32	CENTRAL ALASKA. <AGS-P>.
	15	20	32	58.5%	38.634	N	31.411	E	10	G		0.2	6	TURKEY
	15	21	24	42.4	4.294	S	80.758	W	33	D	5.0 4.2	1.3	67	PERU-ECUADOR BORDER REGION
	15	22	52	32.7&	66.048	N	150.374	W	0				8	ALASKA. <AGS-P>.
	15	22	58	44.0*	3.901	N	95.097	E	33	N	4.8	1.1	15	OFF W COAST OF NORTHERN SUMATERA
o	15	23	08	56.0	43.757	N	143.297	E	162	D	5.4	0.7	320	HOKKAIDO, JAPAN REGION
	15	23	19	18.5?	37.25	N	20.42	E	5	G		1.6	4	IONIAN SEA. MD 2.8 (ATH).
	16	00	27	48.1*	31.702	S	72.622	W	33	N	4.8	1.2	22	OFF COAST OF CENTRAL CHILE
	16	00	33	35.4*	31.946	S	71.712	W	10	G		1.2	13	NEAR COAST OF CENTRAL CHILE
	16	00	38	22.9?	31.52	S	72.14	W	33	N		0.9	5	OFF COAST OF CENTRAL CHILE
	16	01	04	52.3?	16.98	S	74.21	W	33	N		0.5	6	NEAR COAST OF PERU
	16	02	05	02.3%	33.435	S	70.801	W	70	?		0.3	9	CHILE-ARGENTINA BORDER REGION
	16	02	11	01.3*	31.753	S	72.610	W	33	N		0.9	16	OFF COAST OF CENTRAL CHILE
	16	02	13	32.2*	31.319	S	73.384	W	33	N		1.6	18	OFF COAST OF CENTRAL CHILE
	16	03	14	02.2*	54.258	N	161.053	E	33	N	4.5	1.1	15	NEAR EAST COAST OF KAMCHATKA
	16	03	30	28.4*	38.785	N	24.851	E	10	G		1.4	5	AEGEAN SEA. MD 3.0 (ATH).
	16	03	43	01.5	44.615	N	7.318	E	8			0.9	40	NORTHERN ITALY. ML 2.8 (GEN), 2.8 (LDG). MD 2.4 (STR).
	16	04	03	30.9?	31.58	S	73.17	W	33	N		1.3	14	OFF COAST OF CENTRAL CHILE

16	04	04	55.3*	3.156	N	128.508	E	93	?	4.8		0.8	16	NORTH OF HALMAHERA
16	04	32	18.5	44.709	N	34.948	E	26	D	4.6		1.2	117	CRIMEA REGION. Felt (IV) at Feodosiya and Sudok; (III) at Alushta, Simferopol and Yalta, USSR.
16	04	41	53.3	5.167	S	130.423	E	64	*	5.2		1.0	49	BANDA SEA
16	04	59	57.6	41.564	N	88.770	E	0	G	6.2		0.9	513	SOUTHERN XINJIANG, CHINA
16	05	39	13.5*	31.717	S	72.542	W	33	N			0.9	16	OFF COAST OF CENTRAL CHILE
16	06	33	39.7?	6.05	S	141.16	E	33	N	4.2		1.2	9	PAPUA NEW GUINEA
16	07	06	57.1?	40.93	N	28.72	E	10	G			0.2	4	TURKEY
16	07	27	46.3&	60.078	N	139.733	W	14					10	SOUTHEASTERN ALASKA. <AGS-P>.
16	07	48	21.0%	39.053	N	27.673	E	10	G			1.2	6	TURKEY
16	07	54	37.7	2.522	S	140.456	E	10	G	4.9		1.1	28	NEAR N. COAST OF WEST IRIAN
16	08	13	53.9*	24.668	N	143.661	E	33	N	4.4		0.8	13	VOLCANO ISLANDS REGION
16	08	35	31.2%	39.136	N	27.622	E	10	G			0.4	5	TURKEY
16	08	45	57.8%	26.869	S	26.774	E	5	G			0.8	9	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
16	09	25	02.2?	40.50	N	31.02	E	5	G			0.9	4	TURKEY
16	10	15	03.2?	31.74	S	67.78	W	33	N			1.1	6	SAN JUAN PROVINCE, ARGENTINA
16	10	45	57.5%	39.643	N	29.413	E	10	G			1.1	6	TURKEY
16	10	53	58.4	46.124	N	12.342	E	10	G			1.2	73	NORTHERN ITALY. MD 3.9 (LJU), 3.4 (TRI). ML 3.8 (VIE), 3.7 (FUR), 3.7 (GRF), 3.5 (LDG).
16	11	06	13.3?	38.75	N	27.70	E	10	G			0.7	4	TURKEY
16	11	23	29.3%	39.163	N	27.653	E	10	G			0.6	5	TURKEY
16	11	57	07.8	45.727	N	149.861	E	95	D	4.9		0.7	62	KURIL ISLANDS
16	11	57	45.6	36.250	N	2.734	W	10	G			1.3	14	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
16	12	24	58.8&	65.727	N	148.030	W	27					8	ALASKA. <AGS-P>.
16	12	31	06.8%	40.309	N	15.268	E	10	G			0.5	5	SOUTHERN ITALY
16	12	52	24.7%	0.029	S	78.441	W	10	G			0.2	6	ECUADOR
16	13	00	24.1%	26.769	S	26.632	E	5	G			1.5	11	REPUBLIC OF SOUTH AFRICA. ML 3.3 (PRE).
16	13	37	51.1	43.393	N	5.418	E	10	G			0.8	18	NEAR SOUTH COAST OF FRANCE. MD 3.0 (STR).
16	14	26	11.6	4.289	N	95.448	E	87	*	4.9		0.9	60	NORTHERN SUMATERA
16	15	25	44.6%	40.565	N	28.239	E	10	G			1.1	13	TURKEY
16	15	38	08.3*	38.598	N	20.539	E	10	G			1.2	7	GREECE. MD 3.1 (ATH).
16	16	07	42.3	24.186	N	121.706	E	10	G	4.5		0.7	9	TAIWAN
16	16	15	37.4	37.026	N	29.567	E	14				1.2	21	TURKEY. MD 3.9 (ATH).
16	16	45	33.2	47.673	N	7.473	E	5	G			0.3	7	SWITZERLAND. ML 1.8 (LDG).
16	17	02	49.3?	31.35	S	71.90	W	80	G			1.3	5	NEAR COAST OF CENTRAL CHILE
16	17	20	15.7%	26.359	S	27.493	E	5	G			1.2	8	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
16	17	38	17.8?	7.47	S	128.60	E	163	?	4.3		1.4	8	BANDA SEA
16	17	57	58.2	5.627	S	147.505	E	176		5.1		0.8	43	EAST PAPUA NEW GUINEA REGION
16	18	39	18.7	47.625	N	7.531	E	10	G			1.1	9	SWITZERLAND. ML 2.5 (LDG).
16	19	05	02.8*	0.739	N	126.753	E	10	G	4.4		1.1	19	MOLUCCA PASSAGE
16	19	12	18.7	11.167	S	161.963	E	32	*	5.1	5.3	1.4	68	SOLOMON ISLANDS. Ms 5.1 (BRK).
16	19	21	53.3%	40.364	N	28.938	E	10	G			0.5	6	TURKEY
16	19	22	50.5	26.948	S	71.036	W	30	*	4.9		1.2	21	OFF COAST OF NORTHERN CHILE
16	19	29	37.2?	40.56	N	29.10	E	10	G			1.0	4	TURKEY
16	20	04	00.4*	16.960	S	168.072	E	33	N	4.6	4.7	1.5	33	VANUATU ISLANDS
16	20	13	47.0*	16.826	S	168.015	E	33	N	4.4		1.1	9	VANUATU ISLANDS
16	20	38	25.5*	40.078	S	77.527	E	10	G	4.9		0.4	11	MID-INDIAN RISE
16	23	36	55.1%	28.107	S	26.834	E	5	G			1.2	7	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
16	23	52	17.5	27.794	N	56.858	E	62	*	4.7		0.7	56	SOUTHERN IRAN
17	00	51	05.2?	12.19	S	76.53	W	33	N			0.5	4	NEAR COAST OF PERU
17	01	25	02.2	38.576	N	27.208	E	10	G			1.3	15	TURKEY. MD 3.6 (ATH).
17	01	28	43.8	52.473	N	167.498	W	33	N	4.8	4.6	1.1	118	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
17	01	39	03.0*	14.726	N	93.174	W	73	*	4.2		1.3	18	NEAR COAST OF CHIAPAS, MEXICO
17	01	40	22.2*	39.382	N	20.449	E	10	G			1.5	9	GREECE-ALBANIA BORDER REGION. MD 2.9 (ATH).
17	01	55	34.6	52.346	N	167.452	W	33	N	4.9	4.7	1.4	94	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
17	01	55	42.8*	11.113	S	162.255	E	101	*	4.3		0.9	10	SOLOMON ISLANDS
17	02	15	33.7%	42.853	N	12.710	E	10	G			0.9	10	CENTRAL ITALY
17	02	18	37.3	38.621	N	27.215	E	10	G			1.0	18	TURKEY. MD 3.5 (ATH).
17	02	24	00.7&	66.410	N	144.802	W	21					14	ALASKA. <AGS-P>.
17	02	26	17.2&	37.288	N	121.697	W	5					19	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Mo=8.6*10**14 Nm (BRK). Felt at Morgan Hill.
17	02	56	06.0	3.386	N	122.537	E	560		5.2		0.9	75	CELEBES SEA
17	03	10	25.3	42.943	N	19.053	E	10	G			0.9	16	YUGOSLAVIA. ML 2.7 (TTG).
17	03	50	33.6%	26.376	S	27.264	E	5	G			1.2	7	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
17	04	38	38.0%	31.712	S	68.235	W	10	G			1.0	5	SAN JUAN PROVINCE, ARGENTINA
17	05	52	02.7%	32.484	S	69.176	W	33	N			1.2	6	MENDOZA PROVINCE, ARGENTINA
17	05	54	19.8*	36.179	N	27.190	E	33	N			1.6	7	DODECANESE ISLANDS. MD 3.8 (ATH).
17	06	00	27.5%	30.848	S	68.970	W	110	G			0.4	5	SAN JUAN PROVINCE, ARGENTINA
17	06	39	26.1%	40.439	N	28.990	E	10	G			0.4	5	TURKEY
17	06	42	35.7*	39.250	N	28.239	E	10	G			1.6	10	TURKEY
17	07	27	22.3?	17.05	N	62.27	W	52	?			0.1	5	LEEWARD ISLANDS
17	08	23	30.1*	39.122	N	27.701	E	10	G			0.4	5	TURKEY
17	08	47	35.9?	39.59	N	26.17	E	10	G			1.2	4	TURKEY
17	09	20	50.0?	7.99	S	156.45	E	33	N	5.0		1.0	30	SOLOMON ISLANDS
17	09	22	24.5*	15.812	S	177.031	W	33	N	5.0	4.6	1.1	38	FIJI ISLANDS REGION
17	09	53	28.4?	34.28	S	71.10	W	33	N			0.1	9	NEAR COAST OF CENTRAL CHILE
17	11	03	18.2%	39.084	N	27.612	E	10	G			0.3	7	TURKEY
17	11	05	36.7*	23.914	N	122.243	E	46	*	4.7		1.4	27	TAIWAN REGION
17	11	34	30.0	40.650	N	21.770	E	4		3.7		1.2	59	GREECE. ML 3.9 (ATH), 3.5 (SKO), 3.5 (TTG). MD 3.4 (THE). Felt in the Ptolemais area.
17	11	41	00.4	41.618	N	22.343	E	10	G			0.5	8	YUGOSLAVIA. ML 2.5 (SKO).
17	12	03	52.0	44.658	N	114.239	W	5	G			0.5	11	WESTERN IDAHO. ML 3.4 (BUT). Felt at Challis.
17	12	14	32.9*	17.848	S	122.620	E	10	G	4.0		1.4	18	WESTERN AUSTRALIA
17	12	18	34.9%	40.553	N	21.638	E	10	G			1.3	6	GREECE
17	12	56	18.1%	39.131	N	27.764	E	10	G			1.2	6	TURKEY
17	13	07	17.4	11.164	S	161.997	E	29	G	5.9	6.8	1.4	334	SOLOMON ISLANDS. Ms 6.7 (BRK), 6.7 (PAS). Mo=1.3*10**19 Nm (PPT). Felt at Honiara and Kirakira. Depth from broadband displacement seismograms.
17	13	34	35.8?	11.46	S	162.01	E	33	N	4.9		1.4	9	SOLOMON ISLANDS
17	14	26	27.5*	40.588	N	21.590	E	10	G			1.2	5	GREECE. ML 2.3 (SKO).
17	14	26	29.8?	10.98	S	162.70	E	33	N	4.4		1.5	10	SOLOMON ISLANDS
17	14	45	08.8?	44.21	N	11.48	E	10	G			0.9	5	NORTHERN ITALY
17	14	57	25.5	37.313	N	20.823	E	10	G			1.1	37	IONIAN SEA. MD 3.9 (THE). ML 3.7 (ATH).

	17	15	03	55.0%	40.529	N	27.996	E.	10	G		0.5	6	TURKEY
	17	15	39	14.5*	31.840	S	72.378	W	33	N		1.1	15	OFF COAST OF CENTRAL CHILE
	17	15	39	50.7*	11.358	S	162.002	E	33	N	4.8	0.9	14	SOLOMON ISLANDS
	17	16	00	31.8?	37.35	N	20.75	E	10	G		1.5	9	IONIAN SEA. MD 3.1 (ATH).
	17	17	19	53.7%	40.402	N	28.973	E	10	G		1.3	9	TURKEY
	17	17	26	18.8*	20.851	S	68.900	W	101	?	4.5	1.0	6	CHILE-BOLIVIA BORDER REGION
	17	18	16	23.4	37.765	N	20.811	E	5	G	4.1	1.3	36	IONIAN SEA. MD 3.9 (THE). ML 3.5 (ATH).
	17	18	46	09.1	39.961	N	23.873	E	10	G		1.3	16	AEGEAN SEA. MD 2.9 (ATH), 2.6 (THE).
	17	18	50	57.0	8.357	S	118.266	E	33	N	4.6	1.0	8	SUMBAWA ISLAND REGION
	17	19	20	18.0*	2.748	N	126.957	E	67	?	4.5	1.1	11	MOLUCCA PASSAGE
	17	19	42	38.0	39.950	N	23.960	E	10	G		1.2	15	AEGEAN SEA. MD 2.9 (ATH), 2.6 (THE).
	17	21	01	17.9	36.794	N	83.340	W	10	G		0.6	21	TENNESSEE. mbLg 4.0 (BLA), 3.5 (NEIS), 3.5 (TUL). Felt (V) at Bledsoe, Dizney and Jeff, Kentucky; (IV) at Ages-Brookside, Cranks, Dayhait, Evarts, Harlan, Hoskinston, Loyall, Mazelle, Pathfork, Putney and Wallins Creek, Kentucky; (III) at Asher, Baxter, Beverly, Chappel, Cambs, Essie, Grays Knob, Gulston, Kenvir, Lejunior, Plank, Vicco and Wallins, Kentucky.
	17	21	40	28.9*	24.466	S	179.692	W	500	G	4.6	1.1	16	SOUTH OF FIJI ISLANDS
a	17	21	46	08.8	11.199	S	162.107	E	15	D	5.6 5.1	1.0	189	SOLOMON ISLANDS. Ms 5.1 (BRK). Felt at Kirakira.
	17	22	04	24.4*	11.076	S	162.327	E	33	N	4.4	1.6	13	SOLOMON ISLANDS
	17	23	49	31.7	37.093	N	29.635	E	10	G		1.5	11	TURKEY. MD 4.0 (ATH).
	17	23	52	42.7?	31.63	S	68.16	W	10	G		1.1	5	SAN JUAN PROVINCE, ARGENTINA
	18	00	33	28.5%	26.420	S	27.469	E	5	G		0.9	5	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	18	01	04	59.4*	32.370	S	178.936	W	33	N	4.9	1.1	10	SOUTH OF KERMADEC ISLANDS
	18	01	56	28.2?	44.10	N	6.52	E	10	G		0.3	4	FRANCE. ML 2.0 (LDG).
	18	01	56	39.2%	48.120	N	5.784	E	10	G		0.7	7	FRANCE. ML 2.1 (LDG).
	18	02	56	10.4	15.126	N	60.467	W	33	N		0.4	17	LEEWARD ISLANDS. ML 3.8 (FDF). MD 3.6 (TRN). Felt (II) on Martinique.
	18	03	33	05.2*	31.680	S	68.889	W	33	N		1.8	5	SAN JUAN PROVINCE, ARGENTINA
	18	03	35	02.6*	8.398	S	118.115	E	33	N	4.8	0.9	8	SUMBAWA ISLAND REGION
	18	04	16	24.8?	31.64	S	117.05	E	10	G		0.4	4	WESTERN AUSTRALIA
	18	04	18	09.9&	60.040	N	140.778	W	3				22	SOUTHEASTERN ALASKA. <AGS-P>.
	18	04	29	43.8&	64.047	N	150.188	W	17				20	CENTRAL ALASKA. <AGS-P>.
	18	05	30	48.9	6.851	N	73.078	W	158		4.7	1.1	30	NORTHERN COLOMBIA
	18	06	44	12.9?	47.16	N	2.56	W	10	G		1.0	10	FRANCE. ML 2.6 (LDG).
	18	07	00	22.5?	37.43	N	20.45	E	10	G		1.1	6	IONIAN SEA. MD 3.1 (ATH).
	18	07	00	39.2?	31.76	S	69.42	W	120	G		0.3	4	SAN JUAN PROVINCE, ARGENTINA
	18	07	51	08.3*	11.204	S	161.845	E	33	N	4.7	1.0	21	SOLOMON ISLANDS
	18	08	03	28.1&	58.224	N	142.728	W	10	G	4.5		33	GULF OF ALASKA. <AGS-P>.
	18	09	35	52.4&	56.981	N	142.800	W	10	G			5	GULF OF ALASKA. <AGS-P>.
	18	09	51	40.7	37.004	N	56.131	E	13	D	4.8 4.6	1.2	90	IRAN. Felt at Bajnurd and in the Gargan area.
	18	10	26	58.4&	59.799	N	152.626	W	95				32	SOUTHERN ALASKA. <AGS-P>.
	18	10	38	34.5?	11.96	S	124.78	E	33	N	4.6	1.5	13	SOUTH OF TIMOR
	18	10	38	51.6*	11.225	S	162.340	E	24	*	4.9 4.7	0.8	13	SOLOMON ISLANDS
	18	10	47	21.5*	40.186	S	77.773	E	10	G	4.7 5.2	1.2	9	MID-INDIAN RISE
	18	11	07	30.8	2.703	S	76.658	W	136	D	5.0	1.3	21	PERU-ECUADOR BORDER REGION
	18	11	18	32.5?	51.45	N	16.29	E	10	G		1.0	4	POLAND
	18	12	01	41.4?	39.34	N	27.70	E	10	G		0.1	4	TURKEY
a	18	12	54	48.6	40.276	S	78.301	E	10	G	5.0	0.9	28	MID-INDIAN RISE
	18	13	38	17.3	26.979	N	101.154	E	12		5.0 5.7	1.2	101	YUNNAN PROVINCE, CHINA
	18	13	46	27.5?	27.86	N	16.42	W	33	N		0.5	4	CANARY ISLANDS REGION. MD 3.0 (MDD).
a	18	13	55	07.5	40.229	S	78.308	E	10	G	5.6 6.0	1.3	89	MID-INDIAN RISE. Ms 6.0 (PAS).
	18	14	00	16.3&	61.907	N	148.005	W	45				26	SOUTHERN ALASKA. <AGS-P>.
	18	14	28	59.7&	40.447	N	125.047	W	15				6	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	18	14	29	16.4*	40.112	S	78.134	E	10	G	5.4	1.1	13	MID-INDIAN RISE
	18	14	47	22.5*	45.560	N	15.648	E	10	G		1.1	6	YUGOSLAVIA. ML 2.0 (LJU).
	18	14	47	50.6	40.134	N	19.780	E	13		4.2	1.4	101	ALBANIA. ML 4.3 (ATH). MD 4.1 (THE). Felt (V) at Barsh, Dhermi, Ftere, Gjirakaster, Himare and Sarande and (IV) at Tepelene.
	18	17	23	52.4*	13.778	N	144.607	E	115		4.9	1.2	34	MARIANA ISLANDS
	18	17	24	00.7?	44.49	N	7.23	E	10	G		0.0	4	NORTHERN ITALY. ML 1.4 (GEN).
	18	18	12	47.2?	31.52	S	71.46	W	10	G		0.9	7	NEAR COAST OF CENTRAL CHILE
	18	18	17	03.0*	32.403	N	16.990	W	33	N		1.1	9	MADEIRA ISLANDS REGION. MD 4.4 (RBA). Felt (IV) at Funchal.
	18	18	24	44.5?	8.63	S	128.72	E	184	?	4.6	1.2	7	TIMOR SEA
	18	18	37	53.7%	46.266	N	1.537	E	10	G		1.0	14	FRANCE. ML 2.5 (LDG).
	18	18	47	28.0?	37.21	N	20.66	E	5	G		1.5	4	IONIAN SEA. MD 3.0 (ATH).
a	18	18	52	36.8	7.507	N	93.975	E	21	D	5.5 6.0	1.4	244	NICOBAR ISLANDS REGION
	18	18	56	57.2*	36.114	N	27.171	E	30	*		1.5	10	DODECANESE ISLANDS. MD 3.7 (ATH).
	18	19	06	05.1?	40.29	N	29.26	E	10	G		0.0	4	TURKEY
	18	19	47	00.3%	26.249	S	118.599	E	10	G		0.8	6	WESTERN AUSTRALIA
	18	19	53	16.2&	61.559	N	147.885	W	10				34	SOUTHERN ALASKA. <AGS-P>.
	18	21	44	13.2	36.135	N	27.194	E	33	N		1.1	6	DODECANESE ISLANDS. MD 3.7 (ATH).
	18	22	01	03.4%	43.882	N	11.492	E	10	G		0.6	5	CENTRAL ITALY
	18	22	33	46.5?	6.22	S	130.07	E	102	?	4.5	1.2	11	BANDA SEA
	18	23	41	17.8&	62.668	N	150.354	W	79				39	CENTRAL ALASKA. <AGS-P>.
	19	00	39	50.9*	47.122	N	11.330	E	5	G		1.3	5	AUSTRIA. ML 2.4 (FUR).
	19	00	48	47.9%	31.708	S	68.866	W	33	N		0.8	5	SAN JUAN PROVINCE, ARGENTINA
	19	00	53	55.1?	35.79	N	24.01	E	10	G		0.3	4	CRETE. MD 3.2 (ATH).
	19	01	04	35.7	43.913	N	7.824	E	10	G		0.3	11	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG), 1.9 (GEN).
	19	01	08	01.6?	40.05	N	15.90	E	10	G		0.7	4	SOUTHERN ITALY
	19	01	28	58.6%	26.921	S	26.687	E	5	G		0.5	9	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
	19	01	32	15.2?	31.34	S	71.34	W	33	N		0.8	5	NEAR COAST OF CENTRAL CHILE
	19	01	36	30.6*	40.440	N	21.447	E	33	N		1.3	5	GREECE. ML 2.5 (SKO).
	19	01	39	18.8*	14.625	N	60.437	W	33	N		0.4	10	WINDWARD ISLANDS. ML 3.6 (FDF).
	19	02	43	53.7*	45.672	N	15.704	E	10	G		1.2	8	YUGOSLAVIA. MD 2.8 (LJU).
	19	03	24	45.0	41.627	N	20.184	E	5	G		1.4	32	ALBANIA. ML 3.2 (TTG). MD 3.1 (ATH).
	19	03	28	19.6	36.377	N	29.492	E	10	G		0.7	8	TURKEY. MD 3.7 (ATH).
	19	03	31	18.4*	49.949	N	18.849	E	10	G		1.4	7	CZECHOSLOVAKIA. ML 3.2 (KRA).
	19	04	42	42.2	48.186	N	5.616	E	10	G		0.5	15	FRANCE. ML 2.8 (LDG).
	19	05	07	19.2?	33.27	S	72.04	W	33	N		0.9	8	OFF COAST OF CENTRAL CHILE
	19	06	09	01.4&	60.164	N	153.218	W	143				50	SOUTHERN ALASKA. <AGS-P>.

	19	06	28	41.9*	15.194	N	147.604	E	33	N	4.3	1.0	17	MARIANA ISLANDS REGION
	19	07	25	25.2?	51.74	N	7.90	E	10	G		1.6	5	GERMANY. ML 2.2 (BNS).
	19	07	25	56.9?	9.74	S	127.81	E	241	?	4.2	1.0	6	TIMOR SEA
	19	08	03	44.0	20.619	S	178.038	W	556	D	5.1	1.0	150	FIJI ISLANDS REGION
	19	08	25	35.0?	39.15	N	27.62	E	10	G		0.9	4	TURKEY
	19	09	03	01.0*	36.165	N	27.242	E	33	N		1.0	6	DODECANESE ISLANDS. MD 3.6 (ATH).
	19	09	17	06.4?	17.19	N	61.95	W	85	?		0.4	6	LEEWARD ISLANDS
	19	09	41	57.8*	32.511	S	71.653	W	26			1.0	16	NEAR COAST OF CENTRAL CHILE
	19	10	11	35.7%	41.121	N	28.670	E	10	G		0.9	7	TURKEY
	19	10	12	13.6?	16.00	N	120.76	E	33	N	4.7	1.4	10	LUZON, PHILIPPINE ISLANDS
	19	10	31	11.7?	58.49	N	2.56	E	10	G		0.2	7	NORTH SEA. MD 2.5 (BER).
	19	11	07	00.7	40.156	N	19.766	E	10	G	4.2	1.4	96	ALBANIA. ML 4.1 (ATH), 3.9 (TTG). MD 4.0 (THE). Felt (V) at Barsh, Dhermi, Ftere, Himare and Kudhes and (IV) at Sarande, Tepelene and Vlara.
	19	11	17	10.0?	16.10	N	99.75	W	10	G		0.7	4	NEAR COAST OF GUERRERO, MEXICO. Felt at Mexico City.
	19	11	25	05.7*	17.064	S	168.310	E	33	N	3.8	1.1	18	VANUATU ISLANDS
	19	11	25	24.0%	40.473	N	29.215	E	10	G		1.1	7	TURKEY
	19	12	19	14.6?	58.67	N	2.80	E	10	G		0.2	6	NORTH SEA. MD 2.4 (BER).
	19	12	45	43.1%	39.140	N	27.599	E	10	G		0.3	7	TURKEY
	19	14	04	51.1*	44.316	N	17.711	E	10	G		1.7	10	YUGOSLAVIA. ML 2.2 (TTG).
	19	14	17	11.9%	41.863	N	14.061	E	10	G		0.7	9	SOUTHERN ITALY
	19	14	20	25.1?	6.71	N	127.20	E	33	N	4.1	1.2	7	PHILIPPINE ISLANDS REGION
	19	15	21	00.1*	7.257	S	155.847	E	76	?	4.6	0.8	11	SOLOMON ISLANDS
	19	15	32	47.3	29.881	N	99.165	E	30	*	4.8	1.3	56	SICHUAN PROVINCE, CHINA. ML 4.3 (BJI).
	19	16	04	41.9*	17.030	S	168.013	E	33	N	4.6	1.6	18	VANUATU ISLANDS
	19	16	06	26.8*	16.812	S	168.271	E	33	N	4.7 4.9	0.8	9	VANUATU ISLANDS
	19	17	13	26.5*	17.074	S	168.099	E	33	N	4.8	0.6	8	VANUATU ISLANDS
	19	17	36	10.1?	44.07	N	11.03	E	10	G		0.8	4	NORTHERN ITALY
a	19	17	44	58.7*	34.597	S	107.776	W	10	G	5.2 4.8	1.4	30	EASTER ISLAND CORDILLERA
	19	18	03	36.9*	9.682	S	120.754	E	33	N	4.4	0.9	10	SUMBA ISLAND REGION
	19	19	03	00.0*	40.096	N	121.432	W	10	G		1.2	5	NORTHERN CALIFORNIA. ML 3.0 (NEIS).
	19	19	23	46.6	20.020	S	168.123	E	43	D	4.5	1.1	65	LOYALTY ISLANDS
	19	20	27	21.4	42.145	N	19.262	E	10	G		1.2	8	YUGOSLAVIA. ML 2.2 (TTG).
	19	20	36	58.4%	41.685	N	13.669	E	10	G		1.1	5	SOUTHERN ITALY
	19	20	46	46.2	17.203	N	120.131	E	24	D	5.3 4.8	1.0	114	LUZON, PHILIPPINE ISLANDS
	19	21	29	46.4?	26.45	S	27.43	E	5	G		1.0	4	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	19	21	38	17.8	15.539	N	147.688	E	34	D	4.6	1.0	44	MARIANA ISLANDS REGION
	19	21	51	34.1&	62.336	N	149.647	W	67				31	CENTRAL ALASKA. <AGS-P>.
	19	23	29	31.5%	37.524	N	4.309	W	10	G		1.4	5	SPAIN. mbLg 2.9 (MDD).
a	20	00	03	52.7	46.189	N	142.289	E	309	D	5.9	0.8	514	SAKHALIN ISLAND. mb 6.2 (BRK).
	20	01	00	33.6%	31.801	S	116.392	E	10	G		0.3	5	WESTERN AUSTRALIA
	20	01	26	38.5%	48.896	N	0.401	W	22			0.7	13	FRANCE. ML 2.8 (LDG).
	20	02	40	45.2*	33.602	S	67.700	W	190		4.5	0.9	43	MENDOZA PROVINCE, ARGENTINA
	20	02	42	12.2?	51.30	N	16.04	E	10	G		1.2	6	POLAND
	20	03	12	58.8*	32.368	S	71.878	W	33	N		0.8	17	NEAR COAST OF CENTRAL CHILE
	20	03	27	04.9?	40.03	N	24.01	E	10	G		0.9	6	AEGEAN SEA
	20	03	31	00.2?	31.72	S	68.87	W	33	N		0.8	4	SAN JUAN PROVINCE, ARGENTINA
	20	03	41	53.0	11.366	S	118.157	E	33	N	4.7	1.3	17	SOUTH OF SUMBAWA ISLAND
	20	04	08	14.1	42.977	N	17.798	E	5	G		0.9	11	ADRIATIC SEA. ML 2.5 (TTG).
	20	04	56	37.8?	43.98	N	7.46	E	5	G		0.1	4	NEAR SOUTH COAST OF FRANCE. MD 1.0 (STR).
	20	05	13	03.2	32.983	S	69.107	W	10	G		1.1	15	MENDOZA PROVINCE, ARGENTINA. Felt (III) at Mendoza.
	20	07	09	31.2	45.856	N	14.157	E	10	G		0.7	18	YUGOSLAVIA. MD 3.4 (LJU). ML 3.0 (VIE). Felt (V) at Logatec.
	20	07	16	30.1?	32.10	S	70.40	W	100	G		0.1	4	CHILE-ARGENTINA BORDER REGION
	20	08	01	15.9?	54.67	N	159.69	W	33	N	4.3	0.6	6	SOUTH OF ALASKA
	20	09	29	01.1%	39.089	N	27.632	E	10	G		0.7	5	TURKEY
	20	09	34	47.5*	31.547	S	68.865	W	69	?		0.4	6	SAN JUAN PROVINCE, ARGENTINA
	20	09	37	16.3	60.378	N	151.839	W	82		4.7	0.8	121	KENAI PENINSULA, ALASKA. Felt (IV) at Ninilchik; (III) at Kasilof, Kenai and Soldotna; (II) at Anchorage.
	20	12	20	11.0*	36.956	N	49.720	E	33	N	4.8	1.6	44	WESTERN IRAN. Felt at Rudbar.
	20	12	22	31.7	40.056	N	0.475	E	10	G		1.4	14	SPAIN. ML 3.4 (LDG). mbLg 3.3 (MDD).
	20	13	16	00.8*	11.319	S	162.077	E	33	N	4.7	1.2	24	SOLOMON ISLANDS
	20	13	16	33.7%	40.076	N	29.357	E	10	G		0.4	10	TURKEY
	20	13	20	53.5*	4.477	S	125.721	E	33	N	4.8	1.4	16	BANDA SEA
	20	13	33	36.5	47.175	N	11.256	E	10	G		1.2	98	AUSTRIA. MD 4.0 (STR), 3.6 (TRI). ML 3.9 (GRF), 3.9 (FUR), 3.8 (LDG), 3.8 (KBA). Felt (V) in the Brenner area.
	20	14	10	47.8&	37.492	N	118.842	W	2	G			9	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.6 (BRK).
a	20	14	11	43.0	11.246	S	161.919	E	44	*	5.2 5.4	1.0	138	SOLOMON ISLANDS. Ms 5.1 (BRK). Felt at Kirakira.
	20	14	22	43.4%	38.708	N	27.744	E	10	G		0.9	9	TURKEY
	20	15	06	35.8?	11.24	S	162.05	E	33	N	4.4 4.4	1.4	10	SOLOMON ISLANDS
	20	15	13	50.9*	37.425	N	71.114	E	33	N	4.1	0.3	7	AFGHANISTAN-USSR BORDER REGION
	20	15	23	21.1%	41.200	N	28.480	E	10	G		0.6	6	TURKEY
	20	15	29	18.4%	35.291	N	26.055	E	33	N		1.3	5	CRETE. MD 3.5 (ATH).
	20	16	16	27.3?	8.15	S	129.71	E	33	N	4.4	1.5	6	TIMOR SEA
	20	16	45	15.8*	24.811	N	122.180	E	10	G	4.2	0.5	6	TAIWAN REGION
	20	16	49	09.2&	36.868	N	121.625	W	6				18	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt (IV) at Moss Landing and (III) at Castroville. Felt strongly at Prunedale. Also felt at Gilroy, Hollister and Salinas.
	20	17	06	01.0?	28.25	S	69.02	W	131	?		0.5	8	CHILE-ARGENTINA BORDER REGION
	20	17	13	21.0%	40.233	N	23.218	E	5	G		0.5	7	GREECE. MD 2.0 (THE).
	20	17	34	25.3?	20.55	S	178.58	W	550	G	4.2	1.5	14	FIJI ISLANDS REGION
	20	17	48	31.0	8.575	N	126.885	E	75	?	4.6	1.1	34	MINDANAO, PHILIPPINE ISLANDS
	20	18	06	37.0	24.378	N	123.228	E	33	N	4.4	1.4	27	SOUTHWESTERN RYUKYU ISLANDS. ML 4.2 (BJI).
	20	18	25	55.4	38.398	N	22.173	E	10	G		0.5	7	GREECE. MD 2.8 (ATH).
	20	18	29	48.5	6.817	N	76.840	W	41	D	4.6	1.2	32	NORTHERN COLOMBIA
	20	18	37	30.8?	53.18	N	154.13	E	500	G	3.8	0.9	10	SEA OF OKHOTSK
	20	18	48	53.7*	17.067	N	99.633	W	33	N		1.3	7	GUERRERO, MEXICO
	20	18	58	08.5	10.325	S	161.494	E	75	*	4.9	1.2	61	SOLOMON ISLANDS. Felt at Honiara.
	20	19	48	31.7*	6.764	S	147.044	E	90		4.9	0.9	22	EAST PAPUA NEW GUINEA REGION
	20	20	06	07.0&	37.403	N	118.573	W	9				13	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.7 (BRK), 3.0 (PAS).
	20	20	41	07.3&	59.969	N	148.821	W	0				36	KENAI PENINSULA, ALASKA. <AGS-P>.

	20	22	55	55.2	36.980	N	29.572	E	37		4.0		1.0	68	TURKEY. MD 4.2 (ATH), 4.2 (HLW).
o	21	00	57	28.5	33.373	S	178.046	W	33	N	5.7	5.5	1.0	208	SOUTH OF KERMADEC ISLANDS. Ms 6.1 (BRK).
	21	01	16	13.1*	36.464	N	27.979	E	10	G			0.6	5	DODECANESE ISLANDS. MD 3.7 (ATH).
	21	01	34	06.1?	18.96	N	66.40	W	33	N			0.2	5	PUERTO RICO REGION
	21	02	12	50.7	42.925	N	17.852	E	10	G			0.9	10	ADRIATIC SEA. ML 2.7 (TTG).
	21	02	21	45.3?	17.27	N	144.40	E	33	N	4.5		1.5	12	MARIANA ISLANDS REGION
	21	02	45	23.3%	45.738	N	27.184	E	33	N			1.6	6	ROMANIA
	21	03	03	39.4*	13.268	N	88.940	W	82		4.4		0.9	9	EL SALVADOR. Felt (II) at San Salvador.
	21	03	15	17.4?	31.56	S	68.09	W	33	N			1.5	5	SAN JUAN PROVINCE, ARGENTINA
	21	03	18	49.1?	39.99	N	23.97	E	10	G			0.6	6	AEGEAN SEA. MD 2.5 (THE).
	21	03	47	26.2	37.309	N	49.685	E	10	G	4.8		1.3	50	CASPIAN SEA. Felt in the Rudbar area, Iran.
	21	04	04	19.4?	46.66	N	13.42	E	10	G			0.2	4	AUSTRIA. ML 1.6 (LJU).
	21	05	12	39.5*	11.941	S	48.119	W	10	G			1.3	6	BRAZIL. Felt (V) at Notividode.
	21	06	40	23.9&	36.852	N	121.602	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Felt at Gilroy.
	21	07	31	50.2%	40.084	N	29.974	E	10	G			0.6	8	TURKEY
	21	07	42	16.5	37.795	N	20.807	E	10	G	3.7		1.2	11	IONIAN SEA. MD 3.4 (ATH).
	21	07	53	19.6%	26.379	S	27.389	E	5	G			1.0	5	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	21	08	01	26.8?	15.59	N	60.62	W	33	N			0.7	5	LEEWARD ISLANDS. ML 2.7 (FDF).
	21	08	46	50.7?	45.87	N	14.09	E	10	G			0.2	4	YUGOSLAVIA. MD 1.8 (LJU).
	21	08	58	20.7*	42.759	N	17.472	E	10	G			1.2	9	ADRIATIC SEA. ML 2.5 (TTG).
	21	09	13	01.3?	33.03	S	178.80	E	163	?	5.2		1.1	18	SOUTH OF KERMADEC ISLANDS
	21	09	34	43.8?	12.99	N	89.28	W	78	*	4.5		1.1	9	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.
	21	10	06	13.1	18.169	N	95.909	W	49	?	3.4		1.1	10	VERA CRUZ, MEXICO
	21	11	13	52.5*	33.125	N	131.844	E	33	N	4.5		1.0	8	KYUSHU, JAPAN
	21	12	57	41.1*	3.453	S	130.148	E	33	N	4.3		1.1	10	CERAM
	21	13	12	36.7	39.072	N	27.621	E	10	G			0.4	6	TURKEY
f	21	14	13	04.8	27.487	S	104.266	W	11	G	6.0	5.3	1.0	294	EASTER ISLAND REGION. Ms 5.3 (BRK). Mo=3.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	21	15	41	55.5*	5.581	S	133.405	E	33	N	4.6		1.5	9	AROE ISLANDS REGION
	21	15	53	41.0%	46.809	N	3.779	E	10	G			0.3	7	FRANCE. ML 1.6 (LDG).
	21	15	59	27.0%	46.858	N	3.772	E	10	G			0.2	7	FRANCE. ML 1.5 (LDG).
o	21	16	00	57.8	22.576	N	121.980	E	17		5.3	5.2	1.2	174	TAIWAN REGION
	21	16	12	04.6%	26.362	S	27.441	E	5	G			1.1	10	REPUBLIC OF SOUTH AFRICA. ML 3.3 (PRE).
	21	16	57	15.5&	36.540	N	121.163	W	7					12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
o	21	17	45	32.0*	35.363	S	179.187	E	118	?	5.0		1.1	31	OFF E. COAST OF N. ISLAND, N.Z.
	21	17	52	40.9?	30.39	N	83.11	E	33	N			0.4	6	TIBET
	21	18	11	33.4?	16.08	N	120.69	E	34	*	4.8		0.9	16	LUZON, PHILIPPINE ISLANDS
	21	18	27	09.9?	33.81	N	72.64	E	33	N			0.5	7	PAKISTAN
	21	20	11	09.5*	34.593	S	179.613	W	33	N	4.8		0.8	11	SOUTH OF KERMADEC ISLANDS
	21	20	13	44.2?	30.46	N	82.76	E	33	N			0.5	6	TIBET
	21	20	58	41.6%	0.007	N	78.239	W	33	N			1.0	6	COLOMBIA-ECUADOR BORDER REGION
	21	21	45	23.7&	61.391	N	146.880	W	31					29	SOUTHERN ALASKA. <AGS-P>.
	21	22	20	48.3?	42.88	N	18.87	E	10	G			0.3	4	YUGOSLAVIA. ML 2.0 (TTG).
	21	23	00	12.2	36.504	N	28.544	E	22				0.8	9	DODECANESE ISLANDS
	21	23	20	33.1%	30.251	S	28.930	E	5	G			0.8	10	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
	21	23	55	37.9&	63.210	N	148.368	W	71					11	CENTRAL ALASKA. <AGS-P>.
	22	00	13	00.4&	60.418	N	152.009	W	72					37	SOUTHERN ALASKA. <AGS-P>.
	22	00	36	16.9&	37.915	N	121.973	W	8					10	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=1.9*10**13 Nm (BRK). Felt at Concord.
o	22	00	39	28.4	22.118	S	175.014	E	33	D	4.8	5.1	1.4	64	SOUTH OF FIJI ISLANDS. Ms 5.3 (BRK).
	22	01	02	15.0&	62.889	N	150.686	W	109					39	CENTRAL ALASKA. <AGS-P>.
	22	01	23	51.9	2.464	N	126.564	E	33	N	4.8	4.6	1.2	24	MOLUCCA PASSAGE
	22	01	50	00.7?	31.21	S	68.40	W	87	?			0.5	7	SAN JUAN PROVINCE, ARGENTINA
	22	01	58	00.2*	27.497	S	104.312	W	10	G	5.1		1.0	69	EASTER ISLAND REGION
	22	02	46	29.0%	40.001	N	28.049	E	14				0.6	9	TURKEY
	22	03	20	09.9?	40.00	N	29.11	E	10	G			0.2	4	TURKEY
	22	03	25	26.6	1.059	N	123.434	E	33	N	5.1	4.3	0.9	37	MINAHASSA PENINSULA
	22	03	34	33.7*	40.756	S	78.482	E	10	G	4.9	4.4	1.2	14	MID-INDIAN RISE
	22	04	08	31.1*	63.949	N	20.512	E	10	G			1.0	7	SWEDEN. ML 2.6 (UPP).
	22	05	31	51.2%	60.571	N	5.031	E	10	G			0.5	8	SOUTHERN NORWAY. MD 1.5 (BER).
	22	06	59	38.2&	62.163	N	153.156	W	5					51	CENTRAL ALASKA. <AGS-P>.
	22	07	41	00.9%	43.847	N	7.907	E	10	G			0.3	7	NEAR SOUTH COAST OF FRANCE. ML 1.8 (GEN).
	22	07	51	49.5*	37.056	N	49.327	E	10	G	4.3		1.1	9	CASPIAN SEA. Felt at Rudbar, Iran.
	22	08	24	37.0?	40.64	N	23.86	E	33	N			1.3	7	GREECE
	22	08	29	03.4%	40.137	N	29.366	E	10	G			0.5	8	TURKEY
	22	09	08	17.9%	18.188	N	67.049	W	33	N			1.3	8	MONA PASSAGE
	22	09	38	25.1%	41.610	N	15.558	E	10	G			0.2	5	SOUTHERN ITALY
	22	09	54	11.0	43.243	N	18.998	E	10	G			0.6	8	YUGOSLAVIA. ML 3.0 (TTG). Felt at Zabljak and Pluzina.
	22	09	55	33.5	43.224	N	19.019	E	10	G			0.2	8	YUGOSLAVIA. ML 2.7 (TTG). Felt at Zabljak and Pluzina.
	22	10	01	29.4	43.230	N	19.006	E	10	G			0.4	8	YUGOSLAVIA. ML 2.6 (TTG). Felt at Zabljak and Pluzina.
	22	10	28	30.0%	40.216	N	28.763	E	10	G			0.7	8	TURKEY
	22	11	26	15.0	47.751	N	17.607	E	5	G			1.4	9	HUNGARY. ML 2.9 (VKA).
	22	11	40	12.5&	59.403	N	153.039	W	83					31	SOUTHERN ALASKA. <AGS-P>.
o	22	12	37	04.2?	15.72	S	173.31	W	129	?	5.0		1.4	20	TONGA ISLANDS
	22	13	02	35.3%	40.945	N	29.843	E	10	G			0.8	8	TURKEY
	22	13	06	09.1%	44.559	N	7.408	E	10	G			0.5	6	NORTHERN ITALY. ML 1.8 (GEN).
	22	13	12	28.2%	43.055	N	0.574	W	10	G			0.4	6	PYRENEES. MD 1.0 (STR).
	22	13	30	49.2%	42.842	N	17.642	E	10	G			0.8	6	ADRIATIC SEA. ML 2.0 (TTG).
	22	15	07	00.7%	26.384	S	27.410	E	5	G			0.8	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	22	16	00	14.3?	38.65	N	15.61	E	10	G			1.0	4	SICILY
	22	16	08	55.4%	26.363	S	27.415	E	10	G			0.9	7	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	22	16	43	38.8?	26.48	S	27.45	E	5	G			0.7	4	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
	22	16	45	14.6%	26.355	S	27.417	E	5	G			1.0	9	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
o	22	17	18	49.8	3.585	N	124.562	E	334		5.0		1.1	96	CELEBES SEA
	22	17	51	51.6*	19.005	S	68.362	W	199	?			1.5	7	CHILE-BOLIVIA BORDER REGION
	22	17	55	16.3?	48.10	N	1.96	W	10	G			0.4	4	FRANCE. ML 2.0 (LDG).
	22	18	30	08.8*	50.400	N	12.235	E	10	G			1.3	6	GERMANY. ML 2.4 (GRF).
	22	18	46	21.8	6.438	S	142.997	E	10	G	4.0		1.0	7	PAPUA NEW GUINEA
	22	20	08	01.2	15.453	S	167.380	E	136	*	5.1		1.1	38	VANUATU ISLANDS
	22	21	24	06.0&	37.202	N	122.075	W	11					18	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=4.7*10**14 Nm (BRK). Felt (IV) at Boulder Creek, Los Gatos and San

													Carlos; (III) at Lama Mar, Monte Serano, Redwood Estates and Scotts Valley; (II) at San Jase. Also felt at Campbell, Cupertino and Sonta Cruz.
	22	22 14 12.2?	41.71	S	173.60	E	76 ?	4.6		0.3	8	SOUTH ISLAND, NEW ZEALAND. Felt at Nelson, Christchurch and Blenheim. Also felt at Wellington, North Island.
	22	22 31 48.9?	2.95	N	127.27	E	33 N	5.2		0.8	12	MOLUCCA PASSAGE
	22	23 22 59.9?	50.40	N	19.15	E	10 G			1.5	4	POLAND. ML 2.9 (KRA).
	22	23 28 09.5%	44.169	N	7.306	E	10 G			0.2	5	NORTHERN ITALY. ML 1.6 (GEN).
a	22	23 47 05.7	35.215	N	140.421	E	26	5.0	4.8	1.1	136	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) in the Chiba area and (III JMA) in the Tokyo-Yokahama area. Felt (IV) at Yokosuka.
	23	00 40 51.8*	16.580	N	94.290	W	33 N			1.5	5	OAXACA, MEXICO
	23	01 35 31.4?	17.42	N	146.15	E	131 *	4.6		0.9	12	MARIANA ISLANDS
	23	02 07 04.6?	44.26	N	10.52	E	5 G			0.5	4	NORTHERN ITALY
	23	02 33 36.2%	40.675	N	29.960	E	10 G			0.1	5	TURKEY
	23	02 44 56.9	35.303	N	140.359	E	44	4.9	4.6	1.2	85	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) at Katsuura.
	23	03 04 17.1%	26.889	S	26.937	E	5 G			1.6	5	REPUBLIC OF SOUTH AFRICA. ML 2.0 (PRE).
	23	05 42 19.8	46.186	N	7.417	E	10 G			0.8	41	SWITZERLAND. ML 2.8 (LDG). MD 2.7 (STR).
	23	05 48 26.5*	24.252	S	65.353	W	63 ?			1.3	9	SALTA PROVINCE, ARGENTINA. Felt in northern Salta Province.
	23	06 18 45.5&	62.130	N	148.692	W	37				54	CENTRAL ALASKA. <AGS-P>. Felt (III) at Chickaloon.
	23	06 50 07.2*	37.373	N	49.749	E	10 G	4.3		1.6	5	CASPIAN SEA
	23	08 19 52.9%	39.240	N	27.941	E	33 N			1.3	6	TURKEY
	23	09 16 50.0?	19.03	N	66.39	W	33 N			0.2	6	PUERTO RICO REGION
	23	12 12 06.8	8.273	S	108.345	E	69 *	4.5		0.8	16	JAVA
	23	12 45 52.6	6.130	S	131.705	E	33 N	4.8		1.4	24	TANIMBAR ISLANDS REGION
	23	13 41 03.6%	44.758	N	7.193	E	10 G			0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
	23	14 16 59.3	26.372	S	27.386	E	5 G			1.4	11	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE).
	23	15 29 25.4	26.459	S	27.468	E	5 G			1.1	7	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	23	15 57 23.0?	30.20	N	83.13	E	33 N			0.5	6	TIBET
	23	16 11 09.9?	2.01	S	137.60	E	33 N	4.5		1.3	8	WEST IRIAN
	23	17 10 01.0?	51.58	N	16.28	E	10 G			0.9	8	POLAND. ML 3.5 (VKA), 3.4 (GRF).
	23	17 25 16.4*	19.096	N	65.095	W	33 N			0.5	10	PUERTO RICO REGION
	23	18 04 43.8?	17.34	S	173.49	W	33 N	5.1		1.0	16	TONGA ISLANDS
	23	18 12 01.1?	51.75	N	30.16	W	10 G	4.4	3.1	1.6	11	NORTH ATLANTIC RIDGE
	23	18 12 16.3?	35.77	N	22.87	E	10 G			1.2	4	MEDITERRANEAN SEA. ML 3.4 (ATH).
	23	19 09 30.1?	33.57	S	71.97	W	33 N			0.6	9	NEAR COAST OF CENTRAL CHILE
	23	19 11 13.2&	61.978	N	149.318	W	44	4.5	4.4		86	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Wasilla.
	23	19 12 49.8?	23.29	S	114.83	W	10 G	4.8	4.5	1.3	20	EASTER ISLAND REGION
	23	19 15 16.2?	34.07	S	72.49	W	10 G			0.6	8	NEAR COAST OF CENTRAL CHILE
	23	20 30 03.9*	51.088	N	15.763	E	10 G			1.1	11	POLAND. ML 3.8 (GRF), 3.6 (VKA).
	23	22 26 33.3%	26.370	S	27.402	E	5 G			1.2	6	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	23	22 49 13.1*	15.343	N	61.001	W	169 *			0.4	15	LEEWARD ISLANDS. MD 3.8 (TRN).
	23	23 01 14.0%	26.387	S	27.571	E	5 G			0.6	7	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	24	00 05 53.8*	59.243	S	24.741	W	33 N	5.0		1.1	24	SOUTH SANDWICH ISLANDS REGION
	24	00 13 58.1?	14.70	S	174.00	W	33 N	5.1	4.2	1.1	51	SAMOA ISLANDS REGION
	24	00 43 44.7?	51.54	N	29.34	W	10 G	4.4	3.6	0.9	35	NORTH ATLANTIC RIDGE
	24	01 01 35.8	46.412	N	9.863	E	6			0.8	29	SWITZERLAND. ML 2.7 (LDG), 2.6 (VIE).
	24	01 36 06.4*	45.734	N	10.574	E	10 G			0.6	5	NORTHERN ITALY. ML 2.0 (VIE).
	24	01 50 26.2	6.150	N	127.656	E	56 D	4.9		0.8	13	PHILIPPINE ISLANDS REGION
	24	03 19 47.9%	28.150	S	26.869	E	5 G			1.4	5	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	24	05 12 58.0	43.921	N	7.288	E	11			0.7	36	NEAR SOUTH COAST OF FRANCE. ML 2.9 (LDG), MD 2.5 (STR).
	24	05 29 33.6*	9.385	S	121.875	E	33 N	3.8		1.5	7	SAVU SEA
	24	06 22 32.5*	11.239	S	118.514	E	33 N	3.9		1.3	7	SOUTH OF SUMBAWA ISLAND
	24	06 56 45.5&	59.293	N	152.717	W	74				31	SOUTHERN ALASKA. <AGS-P>.
	24	07 03 20.2%	42.452	N	13.309	E	10 G			0.7	6	CENTRAL ITALY
	24	07 23 57.3?	8.15	S	129.29	E	167 ?	4.3		1.0	9	TIMOR SEA
	24	09 56 15.1%	26.858	S	26.781	E	5 G			0.9	7	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	24	10 16 46.1&	37.630	N	119.095	W	5 G				11	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	24	10 32 28.3&	60.067	N	141.165	W	0				18	SOUTHEASTERN ALASKA. <AGS-P>.
	24	10 43 35.7*	21.117	S	66.721	W	185 *	4.4		1.3	20	SOUTHERN BOLIVIA
	24	11 04 09.5%	26.341	S	27.412	E	5 G			1.0	6	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	24	11 14 23.4	29.767	N	60.598	E	33 N	4.9	3.9	0.9	101	SOUTHERN IRAN. Felt at Zahedan.
	24	12 11 15.8%	39.110	N	27.611	E	10 G			0.9	5	TURKEY
	24	12 54 39.4	38.267	N	20.411	E	10 G	4.5		1.2	79	GREECE. ML 4.0 (ATH), 4.0 (TTG).
	24	13 57 37.9&	63.270	N	151.050	W	10				27	CENTRAL ALASKA. <AGS-P>.
	24	14 09 08.0%	26.424	S	27.336	E	5 G			1.0	10	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
	24	14 49 38.0?	33.04	N	71.78	E	33 N	4.1		1.4	7	PAKISTAN
a	24	15 41 20.0	17.699	S	13.253	W	10 G	5.1	4.8	1.1	59	SOUTH ATLANTIC RIDGE
	24	16 09 49.9%	26.371	S	27.374	E	5 G			0.5	6	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
	24	16 12 42.7%	26.472	S	27.458	E	5 G			1.2	8	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
a	24	16 24 38.6	4.455	S	144.508	E	214 D	5.4		0.8	212	NEAR N COAST OF PAPUA NEW GUINEA
	24	17 30 54.9%	26.936	S	26.873	E	5 G			1.4	6	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	24	17 35 55.2*	31.769	S	72.241	W	88 ?			0.7	15	OFF COAST OF CENTRAL CHILE
	24	17 48 58.4*	22.874	S	66.506	W	231 *	4.5		1.2	24	JUJUY PROVINCE, ARGENTINA
	24	18 01 17.1?	51.49	N	16.20	E	10 G			0.2	7	POLAND
	24	18 58 48.8*	31.926	S	72.174	W	112 ?			1.0	17	OFF COAST OF CENTRAL CHILE
a	24	19 02 07.2	4.805	S	152.217	E	85	5.3		1.0	107	NEW BRITAIN REGION
	24	19 05 31.6	39.471	N	74.056	E	33 N	4.3		1.3	23	SOUTHERN XINJIANG, CHINA
	24	19 22 29.2&	60.100	N	153.260	W	131				31	SOUTHERN ALASKA. <AGS-P>.
	24	19 29 06.5?	20.67	S	177.43	W	490 G	4.1		0.2	8	FIJI ISLANDS REGION
	24	20 31 04.1%	39.577	N	29.056	E	10 G			0.5	5	TURKEY
	24	20 35 05.7	33.057	S	70.274	W	100 *			0.3	12	CHILE-ARGENTINA BORDER REGION
	24	20 43 56.7	44.201	N	7.053	E	10 G			0.6	13	NORTHERN ITALY. ML 1.9 (GEN), 1.9 (LDG).
	24	22 41 44.2?	15.49	N	61.12	W	120 G			0.2	6	LEEWARD ISLANDS
	24	23 30 46.9	43.030	N	17.748	E	10 G			1.1	8	YUGOSLAVIA. ML 2.5 (TTG).
	24	23 55 39.6?	38.26	N	14.83	E	33 N			0.6	4	SICILY
	25	00 33 59.8*	9.708	S	116.683	E	33 N	3.8		1.4	7	SUMBAWA ISLAND REGION
	25	03 17 31.6*	60.150	N	165.586	E	10 G	4.5		1.1	19	EASTERN SIBERIA
	25	03 25 28.3	6.522	S	155.601	E	213	5.2		0.8	183	SOLOMON ISLANDS
	25	03 48 39.3&	62.879	N	148.781	W	67				32	CENTRAL ALASKA. <AGS-P>.
	25	04 11 02.5	43.633	N	13.720	E	7			0.8	16	CENTRAL ITALY

	25	05	09	32.0?	14 11	N	60.38	W	70	G			0.3	6	WINDWARD ISLANDS
	25	06	12	38.7*	13.854	N	90.659	W	84		4.3		1.2	25	NEAR COAST OF GUATEMALA. Felt (II) at San Salvador, El Salvador.
	25	06	21	16.2	32 592	N	140.462	E	75	D	5.1		1.0	163	SOUTH OF HONSHU, JAPAN
	25	06	32	13.0*	31.133	S	68.554	W	120	G			0.8	14	SAN JUAN PROVINCE, ARGENTINA
	25	07	15	04.7?	44.03	N	10.94	E	10	G			0.3	4	NORTHERN ITALY
	25	07	42	52.3*	4.035	S	127.484	E	214	*	4.6		0.8	14	BANDA SEA
	25	07	45	13.7*	52.752	N	171.754	W	137	*	4.2		1.0	21	FOX ISLANDS, ALEUTIAN ISLANDS
	25	07	48	56.7?	31.92	S	72.07	W	33	N			0.5	8	OFF COAST OF CENTRAL CHILE
	25	08	19	39.8?	39.13	N	27.60	E	10	G			0.2	4	TURKEY
	25	09	05	03.7*	41.141	N	20.343	E	10	G			1.3	10	ALBANIA. ML 2.8 (SKO), 2.7 (TTG).
	25	09	27	29.1&	60.154	N	152.523	W	92					35	SOUTHERN ALASKA. <AGS-P>.
	25	09	33	55.7%	45.625	N	27.126	E	33	N			1.5	8	ROMANIA
	25	09	35	19.2?	26.34	S	27.31	E	5	G			0.3	4	REPUBLIC OF SOUTH AFRICA. ML 1.9 (PRE).
	25	09	56	29.5*	10.572	N	85.634	W	90	?	4.3		1.1	29	COSTA RICA
	25	09	57	45.6	41.101	N	20.257	E	10	G			1.0	22	ALBANIA. ML 3.5 (SKO), 3.2 (TTG).
	25	11	13	16.9%	39.105	N	27.562	E	10	G			1.7	5	TURKEY
o	25	11	43	23.7	5.786	N	77.592	W	14		5.2	4.8	1.0	181	NEAR WEST COAST OF COLOMBIA
	25	11	47	30.3&	37.855	N	122.240	W	4					16	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=3.3*10**13 Nm (BRK). Felt (IV) at Berkeley and Oakland; (III) at San Carlos and San Mateo. Also felt at El Cerrito and El Sobrante.
a	25	11	47	31.2	5.792	N	77.504	W	10	G	5.6	5.2	1.0	257	NEAR WEST COAST OF COLOMBIA. Ms 4.9 (BRK).
	25	12	08	57.9&	37.043	N	121.895	W	8					18	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=2.0*10**14 Nm (BRK). Felt (IV) at Capitola, New Almaden and Santa Cruz, (III) at Scotts Valley and (II) at Aptos.
	25	12	25	04.9	40.156	N	63.152	E	33	N	4.7		0.8	63	UZBEK SSR
	25	12	29	57.4?	39.18	N	27.89	E	10	G			0.3	4	TURKEY
	25	12	53	34.7?	31.82	S	72.29	W	33	N			0.9	14	OFF COAST OF CENTRAL CHILE
	25	13	07	09.6*	40.207	N	63.054	E	33	N	4.1		0.6	14	UZBEK SSR
	25	14	08	04.6?	38.31	N	15.05	E	10	G			0.2	4	SICILY
	25	14	12	33.8	19.993	S	172.963	W	51	D	5.1		1.1	84	TONGA ISLANDS REGION
	25	14	25	57.3*	29.789	N	142.383	E	33	N	4.4		1.4	15	SOUTH OF HONSHU, JAPAN
	25	14	29	59.5?	31.24	S	68.83	W	110	G			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	25	14	50	12.3	40.205	N	63.129	E	33	N	4.4		0.7	40	UZBEK SSR
	25	14	57	57.9	35.860	N	28.087	E	50		4.7	3.6	1.2	190	EASTERN MEDITERRANEAN SEA. MD 4.4 (HLW).
	25	15	27	24.5?	17.48	N	145.87	E	185	*	4.7		0.7	13	MARIANA ISLANDS
o	25	15	47	53.8	0.525	N	126.084	E	11	G	6.0	6.1	1.1	351	MOLUCCA PASSAGE. Ms 6.1 (BRK). Mo=8.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	25	16	09	12.8*	32 030	S	71.958	W	10	G			1.2	14	NEAR COAST OF CENTRAL CHILE
	25	17	39	08.6&	36.667	N	121.333	W	4					21	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=5.8*10**14 Nm (BRK). Felt (III) at Aromas.
	25	18	09	55.3&	36.662	N	121.330	W	4					18	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	25	18	39	34.9*	57.930	S	23.477	W	33	N	5.1		1.2	15	SOUTH SANDWICH ISLANDS REGION
	25	19	48	51.5	40.634	N	15.767	E	10	G			0.7	9	SOUTHERN ITALY
	25	23	08	12.4	32.159	S	71.668	W	10	G			1.0	18	NEAR COAST OF CENTRAL CHILE
	26	00	01	41.7	64.696	N	152.128	W	33	N			0.8	39	CENTRAL ALASKA. ML 3.8 (PMR).
	26	01	24	11.6&	59.766	N	152.918	W	96					48	SOUTHERN ALASKA. <AGS-P>.
	26	02	19	47.1?	38.81	N	15.53	E	100	G			0.2	4	SICILY
	26	02	49	32.4*	6.236	S	150.543	E	10	G	4.5	4.2	1.5	6	NEW BRITAIN REGION
	26	04	01	10.5	44.517	N	7.319	E	10	G			0.6	52	NORTHERN ITALY. ML 3.1 (GEN), 2.9 (LDG).
	26	04	02	33.9?	0.59	S	78.07	W	32	?			0.6	5	ECUADOR
	26	04	47	04.9	58.379	S	25.916	W	33	N	5.3		1.1	25	SOUTH SANDWICH ISLANDS REGION
o	26	05	16	39.8	9.152	S	110.765	E	33	N	5.3	4.7	1.1	94	SOUTH OF JAVA
	26	05	30	06.7*	44.532	N	8.558	E	10	G			0.3	10	NORTHERN ITALY. ML 2.5 (LDG), 2.3 (GEN).
	26	07	33	51.4%	26.372	S	27.520	E	5	G			1.3	5	REPUBLIC OF SOUTH AFRICA. ML 1.8 (PRE).
	26	07	38	24.7?	39.26	N	27.81	E	10	G			0.2	4	TURKEY
o	26	07	53	41.6	19.592	N	77.874	W	10	G	5.9	5.1	1.1	325	CUBA REGION. Ms 5.7 (BRK). Felt strongly in the areas of Monzonillo, Niquero and Pilson. Felt in many parts of eastern Cuba. Also felt in western Jamaica.
	26	08	29	33.8?	43.15	N	0.20	W	33	N			0.4	7	PYRENEES. MD 1.0 (STR).
	26	08	38	33.3*	32.187	S	70.892	W	71	?			0.6	13	CHILE-ARGENTINA BORDER REGION
	26	10	35	50.9?	44.36	N	7.28	E	10	G			0.3	4	NORTHERN ITALY. ML 1.6 (GEN).
	26	11	52	50.9	43.134	N	17.758	E	10	G			0.9	13	YUGOSLAVIA. ML 3.0 (TTG).
	26	12	22	47.0?	3.89	S	130.42	E	33	N	3.6		0.7	5	CERAM
	26	12	34	41.2&	64.779	N	151.263	W	16					8	CENTRAL ALASKA. <AGS-P>.
	26	13	04	36.5%	26.354	S	27.551	E	5	G			0.6	7	REPUBLIC OF SOUTH AFRICA. ML 2.0 (PRE).
	26	13	41	25.2	40.507	N	15.716	E	10	G	3.5		1.2	44	SOUTHERN ITALY. MD 3.8 (ATH).
a	26	13	45	02.2	34.067	S	178.930	W	13	*	5.4	4.9	1.3	55	SOUTH OF KERMADEC ISLANDS
	26	14	41	59.3%	40.468	N	15.688	E	10	G			1.3	6	SOUTHERN ITALY
	26	15	01	17.8*	34.101	S	179.439	W	33	N	4.4		0.9	9	SOUTH OF KERMADEC ISLANDS
	26	15	07	40.2?	33.65	S	176.69	W	33	N	5.2		1.3	14	SOUTH OF KERMADEC ISLANDS
	26	15	13	13.8?	34.21	S	177.57	W	33	N	5.0		1.2	11	SOUTH OF KERMADEC ISLANDS
	26	16	07	18.3*	39.472	N	21.009	E	10	G			1.2	6	GREECE. MD 3.3 (ATH).
	26	16	37	09.3*	19.680	S	69.599	W	118	*	4.2		1.6	7	NORTHERN CHILE
	26	18	52	24.1*	3.405	S	135.668	E	33	N	5.0	4.2	1.3	17	WEST IRIAN REGION
	26	20	37	58.5*	16.668	N	60.879	W	53	?			0.3	11	LEEWARD ISLANDS. ML 3.5 (FDF).
	26	21	28	49.8?	34.32	S	177.21	W	33	N	4.8		0.9	11	SOUTH OF KERMADEC ISLANDS
	26	21	31	28.6?	21.59	S	69.71	W	91	*	4.9		1.3	6	NORTHERN CHILE
	26	21	34	14.5?	9.74	N	40.87	W	10	G	4.6		1.2	9	CENTRAL MID-ATLANTIC RIDGE
	26	21	51	21.3	9.526	N	40.602	W	10	G	4.9	4.3	1.1	152	CENTRAL MID-ATLANTIC RIDGE
	26	22	35	26.2	4.620	S	103.105	E	117	*	4.7		0.8	32	SOUTHERN SUMATERA
	26	23	13	33.6	9.196	S	110.764	E	33	N	5.3	4.4	1.0	63	SOUTH OF JAVA
	26	23	14	04.6	31.113	N	137.997	E	435		4.6		0.8	86	SOUTH OF HONSHU, JAPAN
	27	00	05	56.3*	22.603	N	121.514	E	33	N	4.1		1.1	11	TAIWAN REGION
	27	00	18	38.6*	36.460	N	7.566	W	10	G			1.0	5	STRAIT OF GIBRALTAR. MD 2.9 (RBA).
	27	00	22	46.5?	37.86	N	14.97	E	33	N			0.5	4	SICILY
	27	00	26	46.9%	37.699	N	15.099	E	10	G			0.8	5	SICILY
	27	00	28	05.0%	37.698	N	15.123	E	10	G			0.6	5	SICILY
	27	00	28	47.2?	37.89	N	15.08	E	10	G			0.7	4	SICILY
	27	00	38	05.5%	38.056	N	15.004	E	10	G			1.3	4	SICILY
	27	01	02	05.8%	37.707	N	15.132	E	10	G			1.0	7	SICILY
	27	01	07	35.2%	37.765	N	15.094	E	10	G			0.3	5	SICILY

	27	01	08	50.8?	37.95	N	15.16	E	10	G			0.1	4	SICILY
	27	01	11	02.0?	37.76	N	15.12	E	10	G			0.5	4	SICILY
	27	01	29	22.6%	37.716	N	15.139	E	10	G			0.9	7	SICILY
	27	01	53	33.7	3.453	N	126.440	E	33	N	4.9	4.2	1.0	28	TALAUD ISLANDS
	27	02	20	17.4*	17.333	N	100.884	W	54	*	4.4		1.2	33	GUERRERO, MEXICO
	27	02	39	41.2%	44.213	N	9.893	E	10	G			0.4	8	NORTHERN ITALY
	27	02	44	16.5*	34.701	S	70.555	W	94		4.7		1.2	35	CHILE-ARGENTINA BORDER REGION. Felt (III) in central Chile.
	27	02	54	29.2%	37.703	N	15.135	E	10	G			0.3	6	SICILY
	27	03	14	59.1%	37.697	N	15.135	E	10	G			0.3	5	SICILY
	27	03	16	21.7%	37.711	N	15.127	E	10	G			0.6	6	SICILY
	27	03	33	40.6%	37.707	N	15.146	E	10	G			0.6	6	SICILY
	27	03	36	02.7%	37.710	N	15.142	E	10	G			0.5	6	SICILY
	27	03	44	26.5%	37.692	N	15.133	E	10	G			0.3	5	SICILY
	27	03	46	09.7%	37.695	N	15.144	E	10	G			0.6	6	SICILY
	27	03	46	47.0%	37.729	N	15.083	E	10	G			0.6	6	SICILY
	27	04	01	37.6&	60.878	N	151.582	W	73					31	KENAI PENINSULA, ALASKA. <AGS-P>.
a	27	04	11	59.8	26.109	S	177.553	W	33	N	5.2	5.4	1.3	51	SOUTH OF FIJI ISLANDS
	27	04	12	59.5?	0.48	N	126.20	E	63	?	4.9	5.0	1.4	24	MOLUCCA PASSAGE
	27	04	21	00.5%	37.700	N	15.097	E	10	G			0.5	5	SICILY
	27	04	21	53.9?	37.71	N	15.13	E	10	G			0.4	4	SICILY
	27	04	28	55.8%	38.229	N	15.724	E	10	G			0.9	9	SICILY
	27	04	54	52.1&	61.738	N	149.766	W	37					43	SOUTHERN ALASKA. <AGS-P>. ML 3.2 (PMR).
	27	05	37	05.2%	37.689	N	15.144	E	10	G			0.8	5	SICILY
	27	05	38	14.5?	5.75	S	147.13	E	221	?	4.6		1.1	7	EAST PAPUA NEW GUINEA REGION
	27	05	40	11.8	1.297	N	123.448	E	33	N	5.0		0.8	14	MINAHASSA PENINSULA
	27	05	40	32.9%	39.079	N	27.772	E	10	G			0.5	6	TURKEY
	27	06	15	56.1%	26.902	S	26.590	E	5	G			0.4	8	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	27	06	51	49.8%	38.373	N	16.231	E	98	?			0.8	7	SOUTHERN ITALY
	27	06	58	56.9	45.280	N	98.556	E	33	N	4.8		1.2	51	MONGOLIA
	27	07	05	30.0	16.760	N	61.532	W	33	N			1.1	14	LEEWARD ISLANDS. ML 3.5 (FDF). MD 3.4 (TRN).
	27	07	15	25.2	17.781	N	61.654	W	42		5.1	4.3	0.8	126	LEEWARD ISLANDS. MD 4.9 (TRN). Felt (III) on Guadeloupe and St. Borthelemy.
	27	07	26	53.1%	59.461	N	6.723	E	10	G			0.8	6	SOUTHERN NORWAY. MD 1.8 (BER).
	27	08	34	50.8&	59.953	N	151.761	W	71					32	KENAI PENINSULA, ALASKA. <AGS-P>.
	27	09	52	59.2	43.183	N	126.365	W	10	G	4.0		0.7	89	OFF COAST OF OREGON
o	27	10	52	53.0	29.361	N	141.972	E	34	D	5.2	4.9	0.9	182	SOUTH OF HONSHU, JAPAN. Ms 5.5 (BRK).
	27	11	20	10.8%	39.261	N	27.786	E	10	G			0.4	5	TURKEY
	27	11	47	02.3%	39.087	N	27.638	E	10	G			0.1	5	TURKEY
	27	12	21	59.4*	24.001	N	122.438	E	10	G	3.9		0.9	8	TAIWAN REGION
	27	13	08	34.2	36.796	N	5.695	W	10	G			1.1	10	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
	27	13	48	41.5	43.374	N	17.309	E	25		3.6		1.3	125	YUGOSLAVIA. ML 4.1 (TTG). Felt in the Imotski-Split-Mostor area.
	27	14	49	38.9*	31.479	S	68.481	W	33	N			0.7	5	SAN JUAN PROVINCE, ARGENTINA
o	27	15	17	12.0	6.870	S	125.452	E	506	G	5.8		0.9	193	BANDA SEA. Depth from broadband displacement seismograms.
	27	15	30	11.8?	5.68	S	107.61	W	10	G	5.4		1.5	9	NORTHERN EASTER I. CORDILLERA
	27	15	53	59.5%	26.421	S	27.466	E	5	G			0.6	6	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	27	16	02	37.9	6.725	S	125.391	E	515	G	5.0		0.5	7	BANDA SEA
	27	17	22	30.9	40.059	N	19.842	E	10	G			1.5	14	ALBANIA. MD 3.2 (ATH).
	27	18	49	58.2*	32.317	S	70.493	W	126	?			1.2	16	CHILE-ARGENTINA BORDER REGION
	27	19	26	17.2&	59.419	N	155.477	W	1					34	SOUTHERN ALASKA. <AGS-P>. ML 3.5 (PMR).
	27	19	33	53.5&	62.912	N	149.769	W	83					29	CENTRAL ALASKA. <AGS-P>.
	27	19	50	23.0	32.931	S	71.579	W	25				0.9	14	NEAR COAST OF CENTRAL CHILE
	27	20	19	24.2%	39.198	N	28.292	E	10	G			0.5	6	TURKEY
	27	21	10	56.5%	27.946	S	26.782	E	5	G			1.1	10	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE).
	27	21	27	54.9*	9.346	N	126.145	E	33	N	4.9		0.8	19	MINDANAO, PHILIPPINE ISLANDS
	27	21	31	20.0	39.064	N	22.110	E	5	G			1.2	15	GREECE. ML 3.2 (ATH).
	27	22	20	39.5*	3.843	N	122.569	E	608	?	4.8		0.9	15	CELEBES SEA
	27	22	55	03.1*	15.516	N	121.957	E	30	*	4.6	4.1	1.4	14	LUZON, PHILIPPINE ISLANDS
	27	23	02	09.4	31.712	S	72.258	W	31		4.6		1.2	23	OFF COAST OF CENTRAL CHILE
	27	23	07	47.3%	44.470	N	7.026	E	10	G			0.1	5	NORTHERN ITALY. ML 2.0 (GEN).
	27	23	10	48.4?	18.70	N	66.63	W	33	N			0.9	5	PUERTO RICO REGION
	27	23	11	22.4	31.728	S	72.088	W	42	*	5.0		1.3	50	OFF COAST OF CENTRAL CHILE
	27	23	24	42.3	44.086	N	13.135	E	10	G			1.3	102	ADRIATIC SEA. ML 3.9 (VIE). MD 3.7 (TRI).
	27	23	27	34.3*	31.905	S	72.189	W	33	N			0.5	13	OFF COAST OF CENTRAL CHILE
	27	23	51	08.2&	63.160	N	150.713	W	130					33	CENTRAL ALASKA. <AGS-P>.
	27	23	59	48.1&	59.710	N	152.799	W	89					28	SOUTHERN ALASKA. <AGS-P>.
	28	00	19	11.3?	19.15	N	145.66	E	33	N	4.8		0.6	17	MARIANA ISLANDS
	28	01	50	04.4*	31.731	S	72.519	W	26				1.0	19	OFF COAST OF CENTRAL CHILE
	28	01	58	17.9	44.094	N	13.133	E	10	G			0.8	35	ADRIATIC SEA. ML 3.3 (LDG), 3.3 (VIE).
o	28	02	02	50.1	52.191	N	168.571	W	33	N	5.3	4.5	1.0	183	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.9 (PMR).
	28	02	38	31.3&	35.722	N	120.223	W	5					10	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
a	28	03	03	12.4	52.850	N	31.887	W	29	D	4.7	4.6	1.1	140	NORTH ATLANTIC RIDGE
	28	03	10	17.1&	45.888	N	112.308	W	10					13	MONTANA. <BUT>. ML 3.2 (NEIS). CL 2.8 (BUT). Felt at Whitehall and in the Pipestone Hot Spring area.
o	28	03	16	52.7	19.447	S	175.735	W	244	D	5.6		1.0	193	TONGA ISLANDS
	28	04	08	04.7	37.167	N	20.789	E	10	G			1.3	11	IONIAN SEA. MD 3.4 (ATH).
	28	05	28	10.3	16.430	S	178.056	E	10	G	4.9		0.8	46	FIJI ISLANDS
	28	05	29	52.3?	6.16	S	132.31	E	33	N	4.4		1.4	5	TANIMBAR ISLANDS REGION
	28	05	37	44.7%	26.369	S	27.456	E	5	G			0.8	7	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	28	05	37	59.8*	6.807	N	73.040	W	168	*	4.0		1.3	9	NORTHERN COLOMBIA
	28	05	54	31.6?	43.97	N	7.66	E	10	G			0.2	5	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG).
	28	06	08	04.9*	38.882	N	71.042	E	33	N	4.2		1.2	12	AFGHANISTAN-USSR BORDER REGION
	28	06	08	40.8*	47.015	N	153.796	E	33	N	4.7	4.0	0.9	54	KURIL ISLANDS
	28	06	58	47.6*	5.654	S	144.854	E	137	?	4.0		1.4	6	PAPUA NEW GUINEA
	28	07	39	20.1%	28.001	S	26.750	E	5	G			0.9	10	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
	28	08	16	46.4&	37.188	N	122.080	W	11					11	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Felt in the Santa Cruz Mountains.
	28	08	24	55.0&	59.834	N	153.370	W	116					35	SOUTHERN ALASKA. <AGS-P>.
	28	08	32	05.5&	62.851	N	150.599	W	92		3.3			47	CENTRAL ALASKA. <AGS-P>.
	28	08	32	54.9	31.747	S	72.566	W	33	N			1.0	19	OFF COAST OF CENTRAL CHILE
	28	08	53	03.4?	33.84	S	178.35	W	33	N	4.5		0.5	6	SOUTH OF KERMADEC ISLANDS

a	28	08	58	05.8	19.645	S	69.876	W	64	D	5.2	1.4	125	NORTHERN CHILE. Felt at Arica, Cuya, Iquique and Pico. Landslides occurred between Arica and Iquique.
	28	09	53	43.7%	43.782	N	12.100	E	10	G		0.1	5	CENTRAL ITALY
	28	10	04	49.5?	23.00	S	112.57	E	10	G	4.0	0.9	9	WESTERN AUSTRALIA
	28	10	33	09.9?	45.10	N	6.87	E	10	G		0.5	4	FRANCE. ML 1.9 (GEN).
	28	11	18	00.0%	44.397	N	7.346	E	10	G		0.3	6	NORTHERN ITALY. ML 2.1 (GEN).
	28	11	39	17.8	36.181	N	27.250	E	33	N		0.5	6	DODECANESE ISLANDS. MD 3.4 (ATH).
	28	12	02	34.9%	39.085	N	27.569	E	10	G		0.8	5	TURKEY
	28	12	03	35.4	40.971	N	20.058	E	29			1.5	25	GREECE-ALBANIA BORDER REGION. ML 3.4 (SKO), 3.0 (TTG).
	28	13	35	31.0?	17.84	N	67.89	W	127	?	4.0	1.0	10	MONA PASSAGE
	28	13	57	59.6*	35.794	N	27.647	E	10	G		0.2	5	DODECANESE ISLANDS. MD 3.6 (ATH).
	28	14	10	08.1?	52.57	N	168.68	W	33	N	4.2	0.9	9	FOX ISLANDS, ALEUTIAN ISLANDS
	28	14	21	48.0*	52.784	N	168.871	W	33	N	4.7	0.8	37	FOX ISLANDS, ALEUTIAN ISLANDS
	28	14	56	45.0	39.098	N	25.781	E	11			0.7	15	AEGEAN SEA. MD 3.5 (ATH).
	28	15	07	05.5	36.246	N	27.219	E	10	G		1.0	6	DODECANESE ISLANDS. MD 3.8 (ATH).
	28	16	20	43.8?	2.91	S	126.60	E	66	*	4.6	0.7	8	CERAM SEA
	28	16	21	05.1*	36.168	N	27.212	E	33	N		0.2	5	DODECANESE ISLANDS. MD 3.8 (ATH).
	28	18	24	02.3&	37.523	N	118.893	W	3				8	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK).
	28	19	02	52.8	40.756	N	15.921	E	13			1.2	79	SOUTHERN ITALY. MD 4.2 (ATH). ML 4.1 (TTG).
	28	19	19	10.2%	26.374	S	27.512	E	5	G		0.9	6	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	28	19	45	40.5	40.602	N	15.837	E	9			1.3	9	SOUTHERN ITALY
	28	20	21	21.9	36.267	N	27.218	E	40		4.4 4.1	1.3	135	DODECANESE ISLANDS. MD 4.5 (ATH).
	28	22	07	14.9	36.435	N	27.097	E	10	G		0.8	7	DODECANESE ISLANDS. MD 3.8 (ATH).
	28	22	20	15.9?	38.94	N	11.75	W	10	G		0.7	13	NORTH ATLANTIC OCEAN
	28	23	52	46.8%	26.353	S	27.433	E	5	G		1.0	8	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	28	23	59	54.9?	31.17	S	68.20	W	100	G		0.4	6	SAN JUAN PROVINCE, ARGENTINA
	29	00	03	38.3*	51.266	N	15.728	E	10	G		1.2	11	POLAND. ML 3.7 (GRF), 3.6 (VKA).
	29	01	33	20.3	43.994	N	7.460	E	9			0.3	14	NEAR SOUTH COAST OF FRANCE. MD 1.1 (STR).
	29	01	46	29.5	39.506	N	115.816	W	5	G		0.4	11	NEVADA. ML 3.5 (NEIS). Felt (III) at Eureka.
	29	01	56	10.9*	53.187	N	155.851	E	33	N	4.3	0.5	19	KAMCHATKA
	29	02	41	35.0	27.187	N	92.755	E	33	N	4.8 3.9	1.1	69	INDIA-CHINA BORDER REGION
	29	03	06	47.1%	16.735	N	61.848	W	10	G		0.5	5	LEEWARD ISLANDS. ML 2.0 (FDF).
	29	03	21	16.7*	32.978	N	116.630	W	10	G		0.5	6	CALIFORNIA-MEXICO BORDER REGION. ML 3.2 (PAS). Felt (IV) at Julian, California.
	29	03	22	40.2*	24.145	S	64.059	W	33	N	4.6	0.9	17	SALTA PROVINCE, ARGENTINA
	29	03	29	17.2	31.668	S	69.686	W	33	N		0.8	7	SAN JUAN PROVINCE, ARGENTINA
	29	03	53	44.5*	36.420	N	70.447	E	100	?	4.5	1.2	18	HINDU KUSH REGION
	29	04	06	27.9?	31.17	S	68.87	W	150	?		0.6	15	SAN JUAN PROVINCE, ARGENTINA
	29	05	04	15.3?	43.51	N	11.11	E	10	G		0.3	4	CENTRAL ITALY
	29	05	16	06.3?	20.60	S	179.01	W	611	?	4.5	0.8	26	FIJI ISLANDS REGION
	29	05	25	22.6%	33.915	S	71.218	W	58	?		0.1	9	NEAR COAST OF CENTRAL CHILE
a	29	06	02	19.1	4.843	S	153.276	E	82	D	5.2	1.0	82	NEW IRELAND REGION
	29	06	14	45.0	35.425	N	25.943	E	10	G	3.8 3.4	1.1	9	CRETE. MD 4.0 (ATH).
	29	06	29	42.2*	4.499	S	153.189	E	94	*	4.6	1.5	12	NEW IRELAND REGION
	29	09	18	55.3%	0.083	S	77.949	W	10	G		0.4	6	ECUADOR
	29	10	44	08.7*	39.191	N	15.092	E	24	*		0.7	6	SOUTHERN ITALY
	29	10	51	23.4?	10.74	N	59.85	W	33	N		0.3	6	NORTH ATLANTIC OCEAN
	29	11	58	41.7?	44.37	N	7.36	E	10	G		0.7	4	NORTHERN ITALY. ML 1.6 (GEN).
	29	12	33	36.4	41.485	N	19.769	E	20			1.0	20	ALBANIA. ML 2.8 (TTG).
	29	13	14	01.6%	39.077	N	27.643	E	10	G		0.4	6	TURKEY
	29	13	15	55.2	36.177	N	100.004	E	39	?	4.6	1.5	21	QINGHAI PROVINCE, CHINA
	29	13	46	38.4	41.041	N	20.061	E	14	*		0.7	7	ALBANIA. ML 2.3 (SKO).
	29	14	48	43.8?	31.53	S	69.14	W	120	G		0.7	6	SAN JUAN PROVINCE, ARGENTINA
	29	14	59	10.3?	20.97	S	174.36	E	33	N	4.2 4.2	1.1	15	VANUATU ISLANDS REGION
	29	15	00	17.3%	37.675	N	15.001	E	10	G		0.3	5	SICILY
	29	15	07	21.6&	57.463	N	152.277	W	79				24	KODIAK ISLAND REGION. <AGS-P>.
	29	16	10	49.8%	26.351	S	27.439	E	5	G		1.0	8	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	29	16	26	43.4%	26.328	S	27.431	E	5	G		0.7	7	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	29	17	27	33.9*	47.340	N	9.711	E	10	G		1.3	7	GERMANY. ML 2.5 (VIE).
	29	17	59	44.5*	38.346	N	22.262	E	10	G		1.4	7	GREECE. ML 3.2 (ATH).
	29	18	07	18.0	2.586	N	128.659	E	33	N	5.0 3.9	1.4	46	HALMAHERA
	29	18	25	13.3?	37.56	S	73.19	W	33	N		0.9	19	NEAR COAST OF CENTRAL CHILE
	29	18	38	44.7	36.417	N	5.681	W	10	G		0.8	7	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
	29	18	59	24.1	15.348	S	167.375	E	137	*	4.8	0.9	26	VANUATU ISLANDS
	29	19	21	23.5	44.450	N	114.210	W	5	G		0.5	13	WESTERN IDAHO. ML 3.7 (BUT).
	29	19	34	59.9&	35.830	N	89.660	W	13				30	TENNESSEE. <SLM>. MD 3.5 (SLM). mbLg 3.5 (NEIS), 3.4 (TUL). Felt (V) at Ripley; (IV) at Burlison, Henderson and Henning; (III) at Covington, Drummonds, Gates and Munford, Tennessee. Felt (IV) at Blytheville and Tamato, Arkansas; (III) at Armarel, Manila and Osceola, Arkansas.
	29	19	38	09.9%	46.848	N	4.732	E	10	G		0.8	9	FRANCE. ML 2.2 (LDG).
	29	20	20	42.5?	33.35	S	73.01	W	10	G		0.6	7	OFF COAST OF CENTRAL CHILE
	29	20	44	23.0	11.791	N	95.034	E	25	D	5.2 4.1	0.9	148	ANDAMAN ISLANDS REGION
	29	21	20	53.8?	17.44	N	61.89	W	33	N		0.2	4	LEEWARD ISLANDS. ML 3.1 (FDF).
	29	23	04	14.0%	44.821	N	7.215	E	10	G		0.1	5	NORTHERN ITALY. ML 1.9 (GEN).
	29	23	36	08.3	12.033	N	140.602	E	49	*	5.1	0.9	77	WEST CAROLINE ISLANDS
	29	23	59	31.2	12.233	N	140.503	E	33	N	4.9	1.2	21	WEST CAROLINE ISLANDS
	30	00	46	33.7%	26.368	S	27.448	E	5	G		1.3	8	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	30	01	12	44.4*	45.354	N	6.558	E	10	G		0.3	6	FRANCE
	30	01	55	55.8*	12.010	N	140.530	E	41	?	4.7	0.7	18	WEST CAROLINE ISLANDS
	30	02	34	26.6	45.923	N	2.698	E	10	G		0.8	8	FRANCE. ML 1.9 (LDG).
	30	02	35	04.9	43.123	N	10.983	E	10	G		0.8	13	CENTRAL ITALY
	30	02	41	13.5	0.044	S	17.317	W	10	G	4.8 3.9	1.1	67	NORTH OF ASCENSION ISLAND
	30	04	05	47.8?	59.53	N	2.27	E	10	G		0.1	8	NORTH SEA. MD 2.5 (BER).
	30	04	23	32.5	44.381	N	6.382	E	10	G		1.2	22	FRANCE. ML 2.7 (GEN).
	30	05	05	24.2?	29.05	N	84.37	E	33	N		0.3	6	TIBET
	30	05	15	46.5*	34.205	S	70.447	W	115			0.7	21	CHILE-ARGENTINA BORDER REGION
	30	05	28	04.6&	61.776	N	151.249	W	76				39	SOUTHERN ALASKA. <AGS-P>.
	30	05	35	23.1%	37.816	N	15.091	E	10	G		1.0	6	SICILY
	30	05	49	37.2&	36.667	N	121.332	W	4				11	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	30	05	53	05.9*	51.128	N	15.769	E	10	G		1.2	8	POLAND. ML 3.7 (VKA), 3.5 (GRF).
	30	06	28	50.0	23.474	N	143.012	E	33	N	4.8	1.1	49	VOLCANO ISLANDS REGION

	30	06	33	14.7	26.394	N	125.938	E	151	*	4.8		1.0	73	NORTHEAST OF TAIWAN
	30	06	45	01.2	5.995	S	79.204	W	33	N			1.0	9	NORTHERN PERU
	30	06	59	54.7	44.435	N	7.295	E	10	G			0.7	23	NORTHERN ITALY. ML 2.6 (GEN).
	30	07	04	33.3?	31.88	S	72.10	W	10	G			0.6	11	OFF COAST OF CENTRAL CHILE
	30	07	19	27.6*	34.007	S	179.103	E	291	*	4.2		1.1	56	SOUTH OF KERMADEC ISLANDS
	30	07	40	14.6*	36.976	N	29.399	E	10	G			0.6	5	TURKEY
	30	09	20	37.2&	61.394	N	150.935	W	59					27	SOUTHERN ALASKA. <AGS-P>.
	30	09	52	16.6&	60.097	N	153.080	W	131					47	SOUTHERN ALASKA. <AGS-P>.
	30	10	06	34.2*	16.552	S	173.781	W	33	N	4.7		0.9	19	TONGA ISLANDS
	30	11	14	18.6*	17.066	N	95.166	W	114	*	3.6		1.2	11	OAXACA, MEXICO
	30	11	34	45.6*	43.961	N	13.170	E	10	G			0.7	5	CENTRAL ITALY
	30	12	19	25.5	40.277	N	77.138	E	54	*	4.9	4.5	0.9	94	KIRGHIZ-XINJIANG BORDER REGION
	30	12	36	06.7*	21.710	S	68.390	W	152	*	4.9		1.1	9	CHILE-BOLIVIA BORDER REGION
	30	12	40	38.9?	39.53	N	28.50	E	10	G			1.0	6	TURKEY
	30	13	42	43.3&	62.194	N	151.082	W	74					35	CENTRAL ALASKA. <AGS-P>.
	30	14	08	44.7&	61.317	N	150.897	W	54					39	SOUTHERN ALASKA. <AGS-P>.
	30	14	27	27.6*	15.456	N	147.235	E	33	N	4.9		0.6	12	MARIANA ISLANDS REGION
	30	14	47	07.3	36.239	N	27.137	E	10	G			1.2	11	DODECANESE ISLANDS. MD 3.9 (ATH).
a	30	15	54	29.8	15.968	N	47.920	W	10	G	5.5	5.3	1.1	216	NORTH ATLANTIC RIDGE. Ms 5.2 (BRK).
	30	16	14	47.4	16.015	N	47.852	W	10	G	5.1	5.1	1.2	76	NORTH ATLANTIC RIDGE
	30	16	36	47.8?	40.68	N	27.77	E	10	G			0.2	4	TURKEY
a	30	16	37	18.1	12.066	N	140.461	E	24	*	5.1	4.8	0.9	77	WEST CAROLINE ISLANDS
	30	16	54	51.3&	60.669	N	151.813	W	70					27	KENAI PENINSULA, ALASKA. <AGS-P>.
	30	17	11	28.7	3.134	N	125.419	E	192	D	4.9		1.2	62	TALAUD ISLANDS
	30	17	36	47.4	8.587	S	74.387	W	157	D	4.7		0.9	94	PERU-BRAZIL BORDER REGION
	30	18	09	01.4*	44.401	N	22.189	E	10	G			1.4	5	ROMANIA
a	30	18	33	00.8	6.146	N	82.634	W	10	G	5.1	5.2	1.4	137	SOUTH OF PANAMA
	30	19	34	47.1*	11.144	S	164.977	E	48	?	4.5		0.8	8	SANTA CRUZ ISLANDS REGION
	30	20	08	34.9	42.713	N	13.221	E	5	G			0.8	8	CENTRAL ITALY
	30	20	42	41.2	34.353	N	24.561	E	30		4.0		1.1	36	CRETE. ML 4.0 (ATH).
	30	20	48	57.4%	26.336	S	27.547	E	5	G			1.1	6	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	30	21	13	29.5&	63.273	N	151.317	W	11					25	CENTRAL ALASKA. <AGS-P>.
	30	21	46	20.7*	29.469	S	72.621	W	30	*			1.4	15	OFF COAST OF CENTRAL CHILE
	30	22	09	19.4%	37.677	N	15.031	E	10	G			1.1	5	SICILY
	30	22	20	51.1	9.751	N	84.556	W	54	*	4.8	5.0	1.1	72	COSTA RICA. MD 4.9 (UPA), 4.7 (SJR). Felt (V) at Jaca, (IV) at Puntarenas and Quepas, (III) at San Jase and Atenas and (II) at Turrialba.
	30	22	33	54.9?	10.60	N	62.87	W	17	*			1.0	10	NEAR COAST OF VENEZUELA. MD 4.0 (TRN).
	30	22	42	22.4?	18.76	N	67.94	W	10	G			0.3	5	MONA PASSAGE
a	31	00	13	56.8	12.006	N	140.616	E	52	*	5.3	5.1	1.0	91	WEST CAROLINE ISLANDS
	31	01	01	36.7*	3.079	S	131.115	E	33	N	4.6		1.1	10	WEST IRIAN REGION
	31	01	05	49.0&	33.240	N	116.050	W	9					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS).
	31	01	17	46.2%	43.754	N	10.889	E	10	G			0.5	6	CENTRAL ITALY
	31	01	23	32.2&	33.250	N	116.050	W	8					8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	31	01	58	37.2?	42.05	N	20.46	E	33	N			0.1	4	YUGOSLAVIA. ML 1.9 (SKO).
	31	03	07	09.5%	39.688	N	28.861	E	10	G			0.7	9	TURKEY
	31	03	24	31.5?	6.98	S	106.37	E	33	N	4.9		1.5	8	JAVA
	31	03	24	53.9&	33.240	N	116.050	W	6					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	31	03	38	00.0&	33.250	N	116.050	W	8		3.5			18	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.2 (PAS). Felt (IV) at Borrega Springs, El Centra and Maunt Laguna; (III) at Cathedral City, Julian, Mecca, Maranga Valley and Ramana.
	31	03	56	18.8&	33.240	N	116.060	W	3					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	31	04	06	00.6	37.056	N	141.295	E	62		4.3		0.5	21	NEAR EAST COAST OF HONSHU, JAPAN
	31	04	24	28.2&	33.250	N	116.050	W	7					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	31	05	49	05.9?	16.20	S	69.23	W	206	*	4.0		1.4	13	PERU-BOLIVIA BORDER REGION
	31	05	55	41.3*	12.053	N	140.427	E	33	N	4.5		0.7	10	WEST CAROLINE ISLANDS
	31	07	00	02.7	39.676	N	143.247	E	48		4.9	4.3	0.8	63	OFF EAST COAST OF HONSHU, JAPAN
	31	08	05	12.6*	3.881	S	127.644	E	33	N	5.1		1.4	14	CERAM
	31	08	14	06.5	11.911	N	140.559	E	33	N	4.8	4.7	1.2	43	WEST CAROLINE ISLANDS
	31	08	23	46.6%	26.439	S	27.522	E	5	G			0.9	5	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	31	08	35	00.1?	36.39	N	7.75	W	10	G			0.8	4	STRAIT OF GIBRALTAR. MG 2.6 (PTO).
	31	08	39	29.1&	62.734	N	150.770	W	90		2.8			57	CENTRAL ALASKA. <AGS-P>.
	31	09	34	53.7	6.272	S	147.917	E	52	*	4.7		0.9	29	EAST PAPUA NEW GUINEA REGION
	31	10	07	48.2?	31.12	S	68.58	W	100	G			0.3	5	SAN JUAN PROVINCE, ARGENTINA
	31	10	57	07.1	46.183	N	7.440	E	10				1.0	19	SWITZERLAND. MD 2.7 (STR). ML 2.5 (LDG).
	31	11	00	26.7?	40.10	N	29.09	E	10	G			0.4	4	TURKEY
	31	11	05	14.0	11.987	N	140.548	E	61	*	4.5	4.2	1.1	24	WEST CAROLINE ISLANDS
	31	11	07	36.6	11.976	N	140.426	E	33	N	4.5	3.8	0.9	17	WEST CAROLINE ISLANDS
	31	11	17	39.4	26.335	S	27.385	E	5	G			1.4	10	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE). mbLg 3.1 (BUL).
	31	12	04	32.3?	13.88	S	72.47	W	66	?	3.9		1.0	6	PERU
	31	12	08	51.3	39.815	N	143.503	E	35	*	4.8	3.9	1.1	50	OFF EAST COAST OF HONSHU, JAPAN
	31	12	08	54.0?	40.53	N	21.10	E	10	G			1.3	4	GREECE. ML 2.9 (SKO).
	31	12	25	42.6&	61.429	N	146.934	W	10					44	SOUTHERN ALASKA. <AGS-P>.
	31	14	14	38.3	26.962	N	102.796	E	59	*	4.3		0.5	14	SICHUAN PROVINCE, CHINA
	31	15	42	59.1	27.296	N	53.914	E	33	N	4.6	3.7	1.2	57	SOUTHERN IRAN
	31	16	00	34.8?	31.91	S	72.38	W	26				1.3	15	OFF COAST OF CENTRAL CHILE
	31	16	09	21.0?	51.47	N	16.34	E	10	G			1.1	5	POLAND
	31	18	29	15.2*	3.883	S	126.261	E	33	N	4.7		1.0	7	BURU
	31	18	44	28.1	37.058	N	28.162	E	10	G			0.9	12	TURKEY
	31	19	20	00.7*	6.366	N	82.512	W	33	N	4.7	4.0	1.1	26	SOUTH OF PANAMA
	31	19	21	36.6*	9.725	S	160.277	E	47	*	4.5		0.7	14	SOLOMON ISLANDS. Felt at Haniara.
	31	19	48	09.1?	0.96	S	78.21	W	10	G			0.7	5	ECUADOR
	31	20	15	41.7&	40.457	N	125.308	W	4					16	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK).
	31	20	37	31.3?	31.82	S	71.99	W	33	N			1.2	14	NEAR COAST OF CENTRAL CHILE
	31	22	18	17.1?	44.98	N	2.72	E	10	G			0.5	5	FRANCE. ML 1.9 (LDG).
	31	23	01	40.5*	11.383	N	140.652	E	33	N	4.7		1.0	10	WEST CAROLINE ISLANDS

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

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01 02 44 57.01  11.780S 166.547E  31km
   5.6mb ( 24 obs.)  5.1Msz (  9 obs.)
   SANTA CRUZ ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 30C
   Centroid Location:
   Origin Time        02:45:12.1 0.8
   Lat 10.75S 0.08 Lon 165.99E 0.03
   Dep  53.2 1.9 Half-duration  2.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.35  Plg=75  Azm=351
     N        0.87       15       177
     P       -4.22        1        87
   Best Double Couple:Mo=3.8*10**17
    NP1:Strike=162 Dip=45 Slip=  69
    NP2:        11      48       110

02 05 24 08.55  31.620S  71.695W  36km
   5.5mb ( 47 obs.)  5.9Msz ( 15 obs.)
   NEAR COAST OF CENTRAL CHILE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 27C
   Centroid Location:
   Origin Time        05:24:14.1 0.3
   Lat 32.14S 0.03 Lon  72.20W 0.04
   Dep  35.1 1.8 Half-duration  3.8
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.28  Plg=72  Azm= 81
     N        0.11        2       178
     P       -1.39       18       269
   Best Double Couple:Mo=1.3*10**18
    NP1:Strike=  2 Dip=27 Slip=  95
    NP2:       177      63        87

02 15 03 27.65   6.460S 105.396E  48km
   5.4mb ( 44 obs.)  5.2Msz ( 13 obs.)
   SUNDA STRAIT
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 33C
   Centroid Location:
   Origin Time        15:03:28.7 0.8
   Lat  7.58S 0.05 Lon 105.53E 0.04
   Dep  54.2 2.2 Half-duration  3.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.42  Plg=69  Azm=283
     N        2.29       21        93
     P       -6.71        3       185
   Best Double Couple:Mo=5.6*10**17
    NP1:Strike=295 Dip=46 Slip= 120
    NP2:        76      52        63

03 09 15 06.15  47.963N  84.961E  33km
   6.0mb (116 obs.)  6.1Msz ( 24 obs.)
   KAZAKH-XINJIANG BORDER REGION
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=225 Dip=82 Slip=  45
    NP2:       127      46       169
   Principal Axes:
     T                Plg=36  Azm= 97
     P                    23       348
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to strike-slip
     faulting with a large reverse
     component. The preferred fault
     plane is not determined.
   RADIATED ENERGY
    No. of sta:    8  Focal mech.  F
    Energy         5.8±1.8*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep  31            No. of sta: 17
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  2.31  Plg=23  Azm= 88
     N       -0.06       59       221
     P       -2.25       20       349
   Best Double Couple:Mo=2.3*10**18
    NP1:Strike=128 Dip=59 Slip= 178
    NP2:       219      88        31
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 22S, 53C  M.W.:  5S,  7C
   Centroid Location:
   Origin Time        09:15:12.5 0.3
   Lat 48.25N 0.03 Lon  85.28E 0.05
   Dep  32.0 BDY Half-duration  4.5
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  2.11  Plg=29  Azm= 77
     N       -0.27       53       215
     P       -1.84       21       335
   Best Double Couple:Mo=2.0*10**18
    NP1:Strike=113 Dip=53 Slip= 173
    NP2:       208      84        37

03 11 57 13.07  32.758N  48.213E  45km
   5.0mb ( 47 obs.)  4.9Msz (  5 obs.)
   WESTERN IRAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 26C
   Centroid Location:
   Origin Time        11:57:20.1 1.5
   Lat 32.80N  FIX;Lon  48.24E  FIX
   Dep  15.0 FIX Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 10.85  Plg=64  Azm=264
     N        0.28       19       128
     P      -11.14       17        33
   Best Double Couple:Mo=1.1*10**17
    NP1:Strike= 96 Dip=33 Slip=  53
    NP2:       318      64       111

04 09 19 29.26   1.289N 123.155E  36km
   5.1mb ( 21 obs.)  4.6Msz (  6 obs.)
   MINAHASSA PENINSULA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 35C
   Centroid Location:
   Origin Time        09:19:32.9 0.4
   Lat  1.69N 0.04 Lon 123.13E 0.05
   Dep  20.6 2.9 Half-duration  1.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.64  Plg=70  Azm=187
     N       -0.44        5        85
     P       -1.20       20       353
   Best Double Couple:Mo=1.4*10**17
    NP1:Strike= 75 Dip=26 Slip=  80
    NP2:       267      65        95

04 11 06 00.16  25.136N 141.195E 171km
   5.1mb ( 58 obs.)
   VOLCANO ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 15C
   Centroid Location:
   Origin Time        11:06: 2.5 1.3
   Lat 25.32N 0.10 Lon 141.12E 0.11
   Dep 170.8 6.3 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  5.74  Plg=18  Azm=248
     N        0.91       72        53
     P       -6.66        4       156
   Best Double Couple:Mo=6.2*10**16
    NP1:Strike=291 Dip=74 Slip= 170
    NP2:        23      81        16

05 01 34 55.83  29.551N 137.630E 496km
   6.0mb ( 98 obs.)
   SOUTH OF HONSHU, JAPAN
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=132 Dip=68 Slip=  45
    NP2:        21      49       150
   Principal Axes:
     T                Plg=47  Azm=355
     P                    11       253
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to strike-slip
     faulting with a large reverse
     component. The preferred fault
     plane is not determined.
   RADIATED ENERGY
    No. of sta:    7  Focal mech.  F
    Energy         3.2±1.2*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep 487            No. of sta: 12
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  5.22  Plg=23  Azm=355
     N        0.02       63       143
     P       -5.24       13       260
   Best Double Couple:Mo=5.2*10**18
    NP1:Strike= 36 Dip=64 Slip= 173
    NP2:       129      83        26
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 30C  M.W.: 11S, 22C
   Centroid Location:
   Origin Time        01:35: 2.0 0.1
   Lat 29.48N 0.01 Lon 137.50E 0.01
   Dep 520.4 0.8 Half-duration  6.0
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  5.68  Plg=24  Azm=349
     N       -0.03       52       113
     P       -5.65       28       245
   Best Double Couple:Mo=5.7*10**18
    NP1:Strike= 28 Dip=52 Slip=-177
    NP2:       296      87       -38

05 03 36 22.29  36.310N 141.072E  27km
   5.8mb (104 obs.)  6.0Msz ( 22 obs.)
   NEAR EAST COAST OF HONSHU, JAPAN
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike= 30 Dip=65 Slip=  85
    NP2:       222      25       101
   Principal Axes:
     T                Plg=70  Azm=290
     P                    20       124
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting with a small right-
     lateral strike-slip component.
     The preferred fault plane is
     NP2.
   RADIATED ENERGY
    No. of sta:    9  Focal mech.  M
    Energy         4.5±1.1*10**12 Nm
   MOMENT TENSOR SOLUTION
   Dep  34            No. of sta: 14
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.43  Plg=70  Azm=298
     N       -0.08        4        39
     P       -1.35       20       131
   Best Double Couple:Mo=1.4*10**18
    NP1:Strike=228 Dip=26 Slip=  99
    NP2:        37      65        86
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 32C
   Centroid Location:
   Origin Time        03:36:27.7 0.4
   Lat 36.24N 0.03 Lon 141.36E 0.04
   Dep  38.8 BDY Half-duration  4.2
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.29  Plg=70  Azm=275
     N        0.47        4        17
     P       -1.76       19       108
   Best Double Couple:Mo=1.5*10**18
    NP1:Strike=205 Dip=26 Slip=  99
    NP2:        15      64        85

05 07 13 02.88  35.074N 139.038E  47km
   5.3mb ( 76 obs.)  4.5Msz (  4 obs.)
   NEAR S. COAST OF HONSHU, JAPAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 18C
   Centroid Location:
   Origin Time        07:13: 4.0 0.9
   Lat 34.95N 0.13 Lon 138.84E 0.18
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.45  Plg=65  Azm=349
     N       -1.19        9       241
     P       -5.26       23       147
   Best Double Couple:Mo=5.9*10**16
    NP1:Strike=220 Dip=23 Slip=  68
    NP2:        64      69        99

05 14 47 54.41  51.759N 175.276W  59km
   5.0mb ( 69 obs.)
   ANDREANOF ISLANDS, ALEUTIAN IS.
   CENTROID, MOMENT TENSOR     (HRV)
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   Data Used: GDSN
   L.P.B.: 16S, 24C
   Centroid Location:
   Origin Time        14:47:54.6 1.2
   Lat 52.04N 0.10 Lon 175.01W 0.14
   Dep  45.3 6.6 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  5.49  Plg=67  Azm=323
     N        0.71       7       70
     P       -6.20      21      163
   Best Double Couple:Mo=5.8*10**16
    NP1:Strike=266 Dip=24 Slip= 107
    NP2:        67     67       82

05 17 42 32.17   1.080S  13.887W  10km
   5.6mb ( 78 obs.)  6.3Msz ( 27 obs.)
   NORTH OF ASCENSION ISLAND
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 16S, 42C  M.W.: 13S, 28C
   Centroid Location:
   Origin Time        17:42:42.6 0.1
   Lat  0.71S 0.01 Lon  13.81W 0.01
   Dep  15.0 FIX Half-duration  6.4
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  5.33  Plg= 0  Azm=214
     N       -0.01      72      306
     P       -5.32      18      124
   Best Double Couple:Mo=5.3*10**18
    NP1:Strike=260 Dip=77 Slip=-168
    NP2:       168     78      -13

06 02 30 41.11  16.230N 120.498E  39km
   5.3mb ( 57 obs.)  4.5Msz (  8 obs.)
   LUZON, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  6S, 10C
   Centroid Location:
   Origin Time        02:30:42.0 1.1
   Lat 16.07N 0.16 Lon 120.64E 0.21
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  4.30  Plg= 0  Azm=159
     N       -0.06       0       69
     P       -4.24      90      180
   Best Double Couple:Mo=4.3*10**16
    NP1:Strike=249 Dip=45 Slip= -90
    NP2:        69     45      -90

06 16 23 17.89  15.962S 173.572W  81km
   5.3mb ( 35 obs.)
   TONGA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 31C
   Centroid Location:
   Origin Time        16:23:22.1 0.5
   Lat 16.09S 0.07 Lon 173.38W 0.05
   Dep  59.6 5.6 Half-duration  2.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.40  Plg=54  Azm=106
     N        0.17       0      196
     P       -2.57      36      286
   Best Double Couple:Mo=2.5*10**17
    NP1:Strike= 18 Dip= 9 Slip=  92
    NP2:       196     81       90

06 20 30 44.96  56.104S  27.700W 112km
   5.6mb ( 24 obs.)
   SOUTH SANDWICH ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 26C
   Centroid Location:
   Origin Time        20:30:49.7 0.5
   Lat 56.15S 0.06 Lon  27.90W 0.09
   Dep 112.4 3.2 Half-duration  1.8
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 15.61  Plg=50  Azm=226
     N       -4.99      24      347
     P      -10.63      31       92
   Best Double Couple:Mo=1.3*10**17
    NP1:Strike=230 Dip=26 Slip= 156
    NP2:       342     80       66

08 14 42 38.95   8.497N 103.253W  10km
   5.2mb ( 12 obs.)  5.1Msz (  6 obs.)
   OFF COAST OF MEXICO
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 35C
   Centroid Location:
   Origin Time        14:42:36.0 0.8
   Lat  8.23N 0.06 Lon 103.19W 0.06
   Dep  15.0 FIX Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.80  Plg=16  Azm=215
     N        0.08      68      354
     P       -1.88      13      121
   Best Double Couple:Mo=1.8*10**17
    NP1:Strike=258 Dip=69 Slip= 178
    NP2:       348     88       21

09 06 56 51.06  13.228S 112.106W  10km
   5.1mb ( 11 obs.)  4.8Msz (  3 obs.)
   NORTHERN EASTER I. CORDILLERA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 24C
   Centroid Location:
   Origin Time        06:56:52.5 1.2
   Lat 13.60S 0.12 Lon 111.95W 0.07
   Dep  15.0 FIX Half-duration  1.8
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  9.05  Plg= 0  Azm=142
     N       -0.45      90      180
     P       -8.60       0       52
   Best Double Couple:Mo=8.8*10**16
    NP1:Strike=187 Dip=90 Slip=-180
    NP2:       277     90        0

10 01 51 19.44   0.076S 122.954E 172km
   5.4mb ( 47 obs.)
   MINAHASSA PENINSULA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 31C
   Centroid Location:
   Origin Time        01:51:20.7 0.5
   Lat  0.31N 0.04 Lon 122.91E 0.04
   Dep 135.9 1.3 Half-duration  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.04  Plg=83  Azm=197
     N        0.15       2       91
     P       -2.18       7        1
   Best Double Couple:Mo=2.1*10**17
    NP1:Strike= 88 Dip=38 Slip=  87
    NP2:       272     52       93

10 05 37 52.15  20.199S 168.328E  47km
   5.8mb ( 59 obs.)  5.6Msz ( 29 obs.)
   LOYALTY ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=188 Dip=57 Slip= -90
    NP2:         8     33      -90
   Principal Axes:
     T                Plg=12  Azm=278
     P                    78       98
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to normal
     faulting. The preferred fault
     plane is NP1.
   RADIATED ENERGY
    No. of sta:   4  Focal mech.  F
    Energy        1.3±0.4*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep  45            No. of sta: 10
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.56  Plg=26  Azm=253
     N        0.26       6      346
     P       -4.81      63       88
   Best Double Couple:Mo=4.7*10**17
    NP1:Strike=329 Dip=20 Slip=-108
    NP2:       168     71      -84
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 16S, 37C
   Centroid Location:
   Origin Time        05:37:56.9 0.3
   Lat 20.11S 0.03 Lon 168.11E 0.03
   Dep  33.0 FIX Half-duration  3.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  6.63  Plg= 4  Azm= 82
     N       -1.78      14      351
     P       -4.85      76      186
   Best Double Couple:Mo=5.7*10**17
    NP1:Strike=186 Dip=43 Slip= -70
    NP2:       340     50     -108

10 15 44 31.36   0.333N 126.175E  53km
   5.8mb ( 58 obs.)
   MOLUCCA PASSAGE
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=240 Dip=40 Slip= 120
    NP2:        23     56       67
   Principal Axes:
     T                Plg=69  Azm=242
     P                     9      129
   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:   6  Focal mech.  C
    Energy        1.6±0.6*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep  36            No. of sta: 10
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  2.37  Plg=57  Azm=217
     N       -0.07      28        3
     P       -2.31      15      101
   Best Double Couple:Mo=2.3*10**18
    NP1:Strike=225 Dip=39 Slip= 140
    NP2:       349     66       59
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 36C
   Centroid Location:
   Origin Time        15:44:41.9 0.6
   Lat  0.87N 0.04 Lon 126.15E 0.04
   Dep  32.7 BDY Half-duration  4.8
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  2.41  Plg=62  Azm=208
     N        0.18      28       25
     P       -2.59       1      115
   Best Double Couple:Mo=2.5*10**18
    NP1:Strike=231 Dip=50 Slip= 128
    NP2:         1     53       53

10 17 47 36.78  19.805S 177.385W 373km
   6.0mb ( 66 obs.)
   FIJI ISLANDS REGION
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike= 30 Dip=68 Slip= -90
    NP2:       210     22      -90
   Principal Axes:
     T                Plg=23  Azm=120
     P                    67      300
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to normal
     faulting. The preferred fault
     plane is NP1.
   RADIATED ENERGY
    No. of sta:   9  Focal mech.  F
    Energy        2.5±0.5*10**12 Nm
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 25C
   Centroid Location:
   Origin Time        17:47:44.1 0.5
   Lat 19.65S 0.07 Lon 177.49W 0.04
   Dep 389.2 2.0 Half-duration  3.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  6.28  Plg=20  Azm= 79
     N        1.30      30      181
     P       -7.58      53      321
   Best Double Couple:Mo=6.9*10**17
    NP1:Strike=130 Dip=37 Slip=-147
    NP2:        13     71      -58

10 19 02 17.68  57.510N  32.943W  10km
   4.8mb ( 56 obs.)  4.7Msz ( 11 obs.)
   NORTH ATLANTIC OCEAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 24C
   Centroid Location:
   Origin Time        19:02:18.2 0.9
   Lat 57.09N 0.16 Lon  32.45W 0.09
   Dep  15.0 FIX Half-duration  1.9
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   Principal Axes:
     Scale 10**16 Nm
     T  Val=  9.27  Plg= 0  Azm=268
     N       -0.47      0      178
     P       -8.80     90      180
   Best Double Couple:Mo=9.0*10**16
    NP1:Strike=358 Dip=45 Slip= -90
    NP2:       178     45      -90

10 21 11 49.04   6.572N  60.240E  10km
   5.5mb ( 80 obs.)  5.0Msz ( 19 obs.)
   CARLSBERG RIDGE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 16S, 37C
   Centraid Lacatian:
   Origin Time        21:11:48.4 0.9
   Lat  6.28N 0.08 Lon  59.80E 0.05
   Dep  15.0 FIX Half-duratian  2.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.01  Plg= 0  Azm=224
     N       -0.16      0      134
     P       -1.86     90      180
   Best Double Couple:Mo=1.9*10**17
    NP1:Strike=314 Dip=45 Slip= -90
    NP2:       134     45      -90

11 02 59 54.97   0.059S  78.449W   5km
   5.0mb ( 44 abs.)  4.4Msz (  3 abs.)
   ECUADOR
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 19C
   Centroid Lacatian:
   Origin Time        03:00: 6.8 0.6
   Lat  0.01N 0.09 Lan  78.15W 0.08
   Dep  15.0 BDY Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  8.09  Plg=64  Azm=157
     N        2.71     26      351
     P      -10.80      5      258
   Best Double Couple:Ma=9.4*10**16
    NP1:Strike=323 Dip=45 Slip=  53
    NP2:       190     55      122

11 08 00 14.82  22.182S 171.138E 131km
   5.3mb ( 15 abs.)
   LOYALTY ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 27C
   Centroid Lacatian:
   Origin Time        08:00:21.1 0.7
   Lat 21.76S 0.08 Lon 170.93E 0.05
   Dep 111.5 2.9 Half-duratian  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.00  Plg=34  Azm=316
     N       -0.02     34      199
     P       -1.98     38       78
   Best Double Cauple:Mo=2.0*10**17
    NP1:Strike=104 Dip=34 Slip=  -4
    NP2:       198     88     -124

11 21 09 39.67  16.352N 120.414E  30km
   5.2mb ( 58 obs.)  4.6Msz (  8 abs.)
   LUZON, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  7S, 17C
   Centroid Location:
   Origin Time        21:09:38.2 1.2
   Lat 16.54N 0.10 Lon 121.11E 0.18
   Dep  15.0 FIX Half-duratian  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  4.31  Plg= 0  Azm=183
     N       -0.74      0       93
     P       -3.58     90      180
   Best Double Cauple:Ma=3.9*10**16
    NP1:Strike=273 Dip=45 Slip= -90
    NP2:        93     45      -90

12 00 35 03.21   0.964N  28.808W  10km
   5.2mb ( 57 obs.)  5.2Msz ( 16 abs.)
   CENTRAL MID-ATLANTIC RIDGE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 31C
   Centraid Location:
   Origin Time        00:35:13.0 0.5
   Lat  1.29N 0.05 Lan  28.41W 0.03
   Dep  15.0 FIX Half-duration  2.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.29  Plg= 0  Azm=216
     N        0.02     90      180
     P       -2.31      0      126
   Best Double Couple:Mo=2.3*10**17
    NP1:Strike=261 Dip=90 Slip=-180
    NP2:       351     90        0

12 07 51 55.13  13.277N 143.935E 144km
   5.5mb ( 64 obs.)
   SOUTH OF MARIANA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 25C
   Centraid Lacatian:
   Origin Time        07:51:57.7 0.5
   Lat 13.14N 0.04 Lan 143.90E 0.05
   Dep 134.7 2.1 Half-duration  2.1
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.79  Plg=38  Azm= 59
     N       -0.15      6      324
     P       -1.63     51      226
   Best Double Cauple:Mo=1.7*10**17
    NP1:Strike=188 Dip= 9 Slip= -46
    NP2:       323     84      -96

12 21 25 21.95  19.435S 169.132E 140km
   6.3mb ( 64 abs.)
   VANUATU ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=165 Dip=70 Slip=  75
    NP2:        23     25      125
   Principal Axes:
     T                Plg=62  Azm= 52
     P                   24      267
   Comment: The facal mechanism is
     poorly cantrolled and
     carresponds ta reverse
     faulting with a moderate left-
     lateral strike-slip component.
     The preferred fault plane is
     NP2.
   RADIATED ENERGY
    Na. of sta:   9  Facal mech.  F
    Energy        1.8±0.5*10**14 Nm
   MOMENT TENSOR SOLUTION
   Dep 162            Na. af sta: 12
   Principal Axes:
     Scale 10**19 Nm
     T  Val=  3.75  Plg=66  Azm=102
     N        0.20      9      351
     P       -3.95     22      258
   Best Double Cauple:Mo=3.9*10**19
    NP1:Strike=332 Dip=24 Slip=  69
    NP2:       175     67       99
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 16S, 39C  M.W.:  9S, 18C
   Centraid Lacatian:
   Origin Time        21:25:34.8 0.1
   Lat 19.58S 0.01 Lan 169.05E 0.01
   Dep 164.9 0.4 Half-duratian 12.0
   Principal Axes:
     Scale 10**19 Nm
     T  Val=  4.23  Plg=61  Azm= 83
     N        0.24      5      344
     P       -4.47     29      251
   Best Double Couple:Mo=4.3*10**19
    NP1:Strike=327 Dip=17 Slip=  72
    NP2:       165     74       95

13 23 04 20.56  60.115N 152.006W  88km
   5.3mb ( 75 abs.)
   SOUTHERN ALASKA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 28C
   Centraid Location:
   Origin Time        23:04:22.6 0.6
   Lat 60.01N 0.04 Lon 152.26W 0.09
   Dep  93.2 2.4 Half-duratian  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.90  Plg=39  Azm= 75
     N        0.13     49      280
     P       -2.03     12      175
   Best Double Couple:Mo=2.0*10**17
    NP1:Strike=223 Dip=54 Slip=  21
    NP2:       120     73      142

14 00 50 39.21  27.024N  65.969E  21km
   5.2mb ( 58 obs.)  4.9Msz ( 13 abs.)
   PAKISTAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 20C
   Centraid Lacatian:
   Origin Time        00:50:39.3 0.5
   Lat 26.93N 0.06 Lon  65.80E 0.04
   Dep  15.0 FIX Half-duratian  2.1
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.88  Plg= 6  Azm=241
     N        0.03     68      348
     P       -1.91     21      149
   Best Double Couple:Ma=1.9*10**17
    NP1:Strike=287 Dip=71 Slip=-170
    NP2:       194     80      -19

14 15 13 28.60  35.432N  35.648W  10km
   5.6mb ( 76 abs.)  6.0Msz ( 28 obs.)
   NORTH ATLANTIC RIDGE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 41C  M.W.:  4S,  6C
   Centraid Lacatian:
   Origin Time        15:13:38.1 0.2
   Lat 35.38N 0.02 Lan  36.19W 0.02
   Dep  15.0 FIX Half-duratian  5.6
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  3.55  Plg= 3  Azm=147
     N       -0.17     87      336
     P       -3.37      1      237
   Best Double Cauple:Mo=3.5*10**18
    NP1:Strike=282 Dip=87 Slip=   2
    NP2:       192     88      177

14 19 45 28.14  51.294N 178.901W  33km
   5.2mb ( 59 abs.)  4.9Msz ( 14 abs.)
   ANDREANOF ISLANDS, ALEUTIAN IS.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 30C
   Centraid Location:
   Origin Time        19:45:30.0 0.8
   Lat 51.50N 0.06 Lan 178.40W 0.08
   Dep  30.9 3.2 Half-duratian  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.10  Plg=60  Azm=310
     N        0.02      9       56
     P       -2.13     29      151
   Best Double Cauple:Mo=2.1*10**17
    NP1:Strike=265 Dip=18 Slip= 120
    NP2:        53     74       81

15 13 23 36.37  18.834S  69.096W 120km
   5.2mb ( 38 abs.)
   NORTHERN CHILE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 23C
   Centraid Lacatian:
   Origin Time        13:23:46.1 0.6
   Lat 18.43S 0.08 Lan  69.33W 0.07
   Dep 136.5 3.6 Half-duration  1.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.31  Plg=20  Azm= 92
     N       -0.43     23      353
     P       -0.88     59      219
   Best Double Couple:Mo=1.1*10**17
    NP1:Strike=215 Dip=32 Slip= -43
    NP2:       343     69     -114

15 15 54 41.95  40.382S 176.394E  31km
   5.4mb ( 16 obs.)  5.0Msz (  3 abs.)
   NORTH ISLAND, NEW ZEALAND
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 22C
   Centraid Location:
   Origin Time        15:54:44.8 0.4
   Lat 40.56S 0.06 Lan 176.28E 0.12
   Dep  32.0 FIX Half-duratian  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.74  Plg=11  Azm=331
     N       -0.96      9      239
     P       -5.79     76      110
   Best Double Cauple:Mo=6.3*10**16
    NP1:Strike= 72 Dip=35 Slip= -75
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   NP2:        233      56      -101

15 23 08 56.04  43.757N 143.297E 162km
   5.4mb (100 obs.)
   HOKKAIDO, JAPAN  REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 20C
   Centroid Location:
   Origin Time        23:08:59.9 1.2
   Lat 43.72N 0.10 Lon 143.00E 0.09
   Dep 171.0 3.0 Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  9.51  Plg=40  Azm= 37
     N        1.38       35      271
     P      -10.88       30      156
   Best Double Couple:Mo=1.0*10**17
    NP1:Strike=192 Dip=36 Slip=   9
    NP2:        94      85      125

16 19 12 18.75  11.167S 161.963E  32km
   5.1mb ( 10 obs.)  5.3Msz ( 17 obs.)
   SOLOMON ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 31C
   Centroid Location:
   Origin Time        19:12:23.5 0.8
   Lat 10.59S 0.11 Lon 162.02E 0.04
   Dep  15.0 FIX Half-duration  2.6
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.66  Plg=56  Azm= 66
     N        0.26       6      327
     P      -3.92       34      232
   Best Double Couple:Mo=3.8*10**17
    NP1:Strike=298 Dip=13 Slip=  60
    NP2:       148      79       96

17 13 07 17.42  11.164S 161.997E  29km
   5.9mb ( 54 obs.)  6.8Msz ( 50 obs.)
   SOLOMON ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=178 Dip=78 Slip=  90
    NP2:       358      12       90
   Principal Axes:
     T                Plg=57  Azm= 88
     P                   33      268
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting. The preferred fault
     plane is NP2.
   RADIATED ENERGY
    No. of sta:  10  Focal mech.  F
    Energy        2.3±0.6*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep  10            No. of sta: 14
   Principal Axes:
     Scale 10**19 Nm
     T  Val=  1.11  Plg=54  Azm=110
     N       -0.06       18      353
     P       -1.04       30      252
   Best Double Couple:Mo=1.1*10**19
    NP1:Strike=301 Dip=22 Slip=  36
    NP2:       177      77      108
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 41C  M.W.: 11S, 24C
   Centroid Location:
   Origin Time        13:07:22.5 0.1
   Lat 11.14S 0.01 Lon 162.08E 0.01
   Dep  16.5 BDY Half-duration  8.4
   Principal Axes:
     Scale 10**19 Nm
     T  Val=  1.31  Plg=53  Azm= 94
     N        0.04       20      334
     P       -1.35       30      232
   Best Double Couple:Mo=1.3*10**19
    NP1:Strike=278 Dip=24 Slip=  32
    NP2:       159      78      111

17 21 46 08.81  11.199S 162.107E  15km
   5.6mb ( 35 obs.)  5.1Msz ( 20 obs.)
   SOLOMON ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 24C
   Centroid Location:
   Origin Time        21:46:10.4 2.2
   Lat 11.61S 0.21 Lon 162.08E 0.15
   Dep  15.0 FIX Half-duration  1.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.05  Plg=53  Azm=337
     N        0.22       7       77
     P       -1.27      36      172
   Best Double Couple:Mo=1.2*10**17
    NP1:Strike=298 Dip=11 Slip= 131
    NP2:        76      82       83

18 12 54 48.62  40.276S  78.301E  10km
   5.0mb ( 10 obs.)
   MID-INDIAN RISE
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 24C
   Centroid Location:
   Origin Time        12:54:56.9 0.6
   Lat 40.03S 0.06 Lon  78.05E 0.08
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  7.39  Plg= 0  Azm=269
     N       -0.47      90      180
     P       -6.92       0      179
   Best Double Couple:Mo=7.2*10**16
    NP1:Strike=314 Dip=90 Slip=-180
    NP2:        44      90        0

18 13 55 07.51  40.229S  78.308E  10km
   5.6mb ( 32 obs.)  6.0Msz ( 12 obs.)
   MID-INDIAN RISE
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 23S, 61C  M.W.:  8S, 18C
   Centroid Location:
   Origin Time        13:55:16.3 0.2
   Lat 40.26S 0.03 Lon  77.79E 0.03
   Dep  15.0 FIX Half-duration  4.7
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  2 30  Plg=14  Azm= 91
     N       -0.32      74      250
     P       -1.97       5        0
   Best Double Couple:Mo=2.1*10**18
    NP1:Strike=135 Dip=76 Slip= 173
    NP2:       226      84       14

18 18 52 36.84   7.507N  93.975E  21km
   5.5mb ( 88 obs.)  6.0Msz ( 24 obs.)
   NICOBAR ISLANDS REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 29C
   Centroid Location:
   Origin Time        18:52:43.3 0.5
   Lat  7.75N 0.05 Lon  93.86E 0.03
   Dep  15.0 FIX Half-duration  3.8
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.11  Plg=12  Azm=141
     N        0.15      73      275
     P       -1.27      11       48
   Best Double Couple:Mo=1.2*10**18
    NP1:Strike=185 Dip=73 Slip= 180
    NP2:       275      90       17

19 17 44 58.79  34.597S 107.776W  10km
   5.2mb (  5 obs.)  4.8Msz (  3 obs.)
   EASTER ISLAND CORDILLERA
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 29C
   Centroid Location:
   Origin Time        17:45: 3.6 0.2
   Lat 35.15S 0.02 Lon 107.52W 0.02
   Dep  22.9 3.2 Half-duration  3.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.97  Plg= 0  Azm=229
     N        0.15      90      180
     P       -4.12       0      139
   Best Double Couple:Mo=4.1*10**17
    NP1:Strike=274 Dip=90 Slip=-180
    NP2:         4      90        0

20 00 03 52.78  46.189N 142.289E 309km
   5.9mb ( 86 obs.)
   SAKHALIN ISLAND
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=165 Dip=65 Slip=  25
    NP2:        64      67      153
   Principal Axes:
     T                Plg=35  Azm= 24
     P                    2      115
   Comment: The focal mechanism is
     well controlled and
     corresponds to strike-slip
     faulting with a moderate
     reverse component. The
     preferred fault plane is not
     determined.
   RADIATED ENERGY
    No. of sta:  11  Focal mech.  F
    Energy        1.6±0.4*10**13 Nm
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 30C
   Centroid Location:
   Origin Time        00:03:59.4 0.3
   Lat 46.21N  FIX;Lon 142.26E  FIX
   Dep 348.0 1.6 Half-duration  2.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.24  Plg=40  Azm= 26
     N        0.36      50      211
     P       -4.60       2      118
   Best Double Couple:Mo=4.4*10**17
    NP1:Strike=170 Dip=61 Slip=  29
    NP2:        65      65      148

20 14 11 43.01  11.246S 161.919E  44km
   5.2mb ( 23 obs.)  5.4Msz ( 20 obs.)
   SOLOMON ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 15S, 33C
   Centroid Location:
   Origin Time        14:11:40.9 0.4
   Lat 11.32S 0.05 Lon 162.15E 0.04
   Dep  15.0 FIX Half-duration  2.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.89  Plg=59  Azm=  2
     N        0.20       8      105
     P       -4.09      30      199
   Best Double Couple:Mo=4.0*10**17
    NP1:Strike=311 Dip=17 Slip= 117
    NP2:       103      75       82

21 00 57 28.50  33.373S 178.046W  33km
   5.7mb ( 20 obs.)  5.5Msz ( 20 obs.)
   SOUTH OF KERMADEC ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 30C
   Centroid Location:
   Origin Time        00:57:30.5 0.4
   Lat 33.22S 0.03 Lon 177.45W 0.04
   Dep  15.0 BDY Half-duration  3.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  9.29  Plg= 8  Azm=290
     N       -2.30      13      198
     P       -6.99      75       52
   Best Double Couple:Mo=8.1*10**17
    NP1:Strike= 35 Dip=38 Slip= -69
    NP2:       189      55     -106

21 14 13 04.84  27.487S 104.266W  11km
   6.0mb ( 35 obs.)  5.3Msz ( 13 obs.)
   EASTER ISLAND REGION
   RADIATED ENERGY
    No. of sta:   6  Focal mech.  M
    Energy        1.4±0.2*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep  20            No. of sta:  8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  9.78  Plg=15  Azm=319
     N       -1.01       0       50
     P       -8.77      75      141
   Best Double Couple:Mo=9.3*10**17
    NP1:Strike= 49 Dip=30 Slip= -91
    NP2:       230      60      -90
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 33C
   Centroid Location:
   Origin Time        14:13: 6.7 0.2
   Lat 28.00S 0.03 Lon 104.12W 0.03
   Dep  15.0 FIX Half-duration  3.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val= 10.88  Plg=12  Azm=115
     N        0.06       3      206
     P      -10.94      77      312
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   Best Double Couple:Mo=1.1*10**18
    NP1:Strike=200 Dip=33 Slip= -96
    NP2:          28      57       -86

21 16 00 57.86  22.576N 121.980E  17km
   5.3mb ( 61 obs.)  5.2Msz (  8 abs.)
   TAIWAN REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 23C
   Centroid Location:
   Origin Time        16:00:58.3 0.8
   Lat 22.42N 0.07 Lon 121.77E 0.11
   Dep  15.0 FIX Half-duration  2.1
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.35  Plg= 0  Azm=195
     N        0.55      90      180
     P       -1.90       0      105
   Best Double Couple:Mo=1.6*10**17
    NP1:Strike=240 Dip=90 Slip=-180
    NP2:         330      90        0

21 17 45 32.00  35.363S 179.187E 118km
   5.0mb (  6 abs.)
   OFF E. COAST OF N. ISLAND, N.Z.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 26C
   Centroid Location:
   Origin Time        17:45:14.8 1.5
   Lat 34.56S 0.12 Lon 178.69W 0.11
   Dep  16.6 5.0 Half-duration  1.7
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 10.73  Plg=57  Azm=236
     N        0.30      24        9
     P      -11.03      21      108
   Best Double Couple:Mo=1.1*10**17
    NP1:Strike=234 Dip=32 Slip= 139
    NP2:          0      70       65

22 00 39 28.47  22.118S 175.014E  33km
   4.8mb (  8 abs.)  5.1Msz (  4 abs.)
   SOUTH OF FIJI ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 24C
   Centroid Location:
   Origin Time        00:39:33.8 0.9
   Lat 21.83S 0.08 Lon 174.61E 0.09
   Dep  15.0 FIX Half-duration  1.9
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.67  Plg=40  Azm= 77
     N        0.02      33      314
     P       -1.69      32      199
   Best Double Couple:Mo=1.7*10**17
    NP1:Strike=234 Dip=34 Slip=   8
    NP2:        137      85      124

22 12 37 04.23  15.72 S 173.31 W 129km
   5.0mb (  7 abs.)
   TONGA ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 19C
   Centroid Location:
   Origin Time        12:36:58.9 0.8
   Lat 15.73S 0.17 Lon 173.27W 0.15
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  8.46  Plg=52  Azm=284
     N        1.81      10      180
     P      -10.26      36       83
   Best Double Couple:Mo=9.4*10**16
    NP1:Strike=130 Dip=13 Slip=  38
    NP2:          2      82      101

22 17 18 49.87   3.585N 124.562E 334km
   5.0mb ( 28 abs.)
   CELEBES SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 18C
   Centroid Location:
   Origin Time        17:18:49.2 1.0
   Lat  3.78N 0.12 Lon 124.79E 0.12
   Dep 325.3 3.9 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.11  Plg= 7  Azm=111
     N        0.56      19       18
     P       -6.67      69      219
   Best Double Couple:Mo=6.4*10**16
    NP1:Strike=221 Dip=42 Slip= -60
    NP2:          4      55      -114

22 23 47 05.75  35.215N 140.421E  26km
   5.0mb ( 45 obs.)  4.8Msz ( 11 obs.)
   NEAR EAST COAST OF HONSHU, JAPAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 18C
   Centroid Location:
   Origin Time        23:47:11.8 1.2
   Lat 35.43N 0.10 Lon 139.95E 0.09
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  7.86  Plg= 5  Azm=126
     N       -0.06      71      230
     P       -7.79      19       35
   Best Double Couple:Mo=7.8*10**16
    NP1:Strike=172 Dip=73 Slip=-170
    NP2:         79      80      -17

24 15 41 20.08  17.699S  13.253W  10km
   5.1mb ( 19 abs.)  4.8Msz (  7 obs.)
   SOUTH ATLANTIC RIDGE
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 25C
   Centroid Location:
   Origin Time        15:41:27.9 0.7
   Lat 17.62S 0.06 Lon  13.38W 0.06
   Dep  15.0 FIX Half-duration  1.9
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.28  Plg= 4  Azm= 30
     N       -0.04      84      155
     P       -1.24       5      300
   Best Double Couple:Mo=1.3*10**17
    NP1:Strike= 75 Dip=84 Slip=-179
    NP2:        345      89       -6

24 16 24 38.66   4.455S 144.508E 214km
   5.4mb ( 36 obs.)
   NEAR N COAST OF PAPUA NEW GUINEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 27C
   Centroid Location:
   Origin Time        16:24:45.0 0.6
   Lat  4.23S 0.05 Lon 143.86E 0.05
   Dep 216.6 2.8 Half-duration  2.1
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.69  Plg=63  Azm=313
     N        0.79      21      173
     P       -2.48      16       77
   Best Double Couple:Mo=2.1*10**17
    NP1:Strike=140 Dip=35 Slip=  51
    NP2:          4      64      113

24 19 02 07.27   4.805S 152.217E  85km
   5.3mb ( 27 obs.)
   NEW BRITAIN REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 24C
   Centroid Location:
   Origin Time        19:02:12.6 0.6
   Lat  4.46S 0.07 Lon 152.10E 0.06
   Dep  76.5 8.0 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.92  Plg=53  Azm=213
     N       -0.58       2      306
     P       -6.34      37       38
   Best Double Couple:Mo=6.6*10**16
    NP1:Strike=140 Dip= 8 Slip= 104
    NP2:        306      82       88

25 11 43 23.75   5.786N  77.592W  14km
   5.2mb ( 55 obs.)  4.8Msz (  2 abs.)
   NEAR WEST COAST OF COLOMBIA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 25C
   Centroid Location:
   Origin Time        11:43:26.9 0.7
   Lat  5.71N 0.07 Lon  77.93W 0.06
   Dep  35.1 5.3 Half-duration  1.6
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  0.94  Plg=79  Azm=123
     N        0.24       6      358
     P       -1.18       9      267
   Best Double Couple:Mo=1.1*10**17
    NP1:Strike=350 Dip=36 Slip=  79
    NP2:        183      54       98

25 11 47 31.24   5.792N  77.504W  10km
   5.6mb ( 66 obs.)  5.2Msz ( 11 obs.)
   NEAR WEST COAST OF COLOMBIA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 28C
   Centroid Location:
   Origin Time        11:47:40.4 0.7
   Lat  6.26N 0.07 Lon  77.63W 0.06
   Dep  16.8 3.4 Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.00  Plg=57  Azm= 65
     N       -0.63      14      178
     P       -2.37      29      276
   Best Double Couple:Mo=2.7*10**17
    NP1:Strike= 40 Dip=20 Slip= 134
    NP2:        174      76       76

25 15 47 53.89   0.525N 126.084E  11km
   6.0mb ( 73 obs.)  6.1Msz ( 35 obs.)
   MOLUCCA PASSAGE
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=215 Dip=52 Slip=  90
    NP2:         35      38       90
   Principal Axes:
     T                Plg=83  Azm=125
     P                     7      305
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting. The preferred fault
     plane is NP2.
   RADIATED ENERGY
    No. of sta:   8  Focal mech.  F
    Energy        6.2±1.3*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep  48            No. of sta: 11
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  3.94  Plg=62  Azm=223
     N       -0.05      27       25
     P       -3.89       7      119
   Best Double Couple:Mo=3.9*10**18
    NP1:Strike=236 Dip=44 Slip= 130
    NP2:          7      58       58
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 32C  M.W.: 11S, 21C
   Centroid Location:
   Origin Time        15:48: 3.4 0.2
   Lat  0.75N 0.02 Lon 126.18E 0.01
   Dep  38.7 0.8 Half-duration  6.0
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  4.01  Plg=70  Azm=196
     N       -0.10      20       13
     P       -3.91       1      103
   Best Double Couple:Mo=4.0*10**18
    NP1:Strike=212 Dip=47 Slip= 117
    NP2:        355      49       63

26 05 16 39.85   9.152S 110.765E  33km
   5.3mb ( 27 obs.)  4.7Msz (  9 abs.)
   SOUTH OF JAVA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 23C
   Centroid Location:
   Origin Time        05:16:48.3 2.1
   Lat  9.43S 0.17 Lon 110.57E 0.14
   Dep  15.0 FIX Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.87  Plg=44  Azm=328
     N       -0.15      15       72
     P       -1.72      42      176
   Best Double Couple:Mo=1.8*10**17
    NP1:Strike=338 Dip=15 Slip= 176
    NP2:         72      89       75

26 07 53 41.69  19.592N  77.874W  10km
   5.9mb ( 89 abs.)  5.1Msz ( 15 abs.)
   CUBA REGION
   CENTROID, MOMENT TENSOR     (HRV)
```

Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 07:53:44.3 0.6
Lat 19.43N 0.05 Lon 78.04W 0.05
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.51 Plg=11 Azm=106
N -0.66 28 202
P -1.85 59 357
Best Double Couple:Mo=2.2*10**17
NP1:Strike=166 Dip=42 Slip=-135
NP2: 39 62 -57

26 13 45 02.26 34.067S 178.930W 13km
5.4mb (9 obs.) 4.9Msz (5 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 13:45:16.2 1.4
Lat 33.23S 0.13 Lon 179.15W 0.10
Dep 20.4 4.6 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 9.63 Plg=62 Azm=277
N 1.31 8 22
P -10.94 27 116
Best Double Couple:Mo=1.0*10**17
NP1:Strike=225 Dip=20 Slip= 114
NP2: 20 72 82

27 04 11 59.83 26.109S 177.553W 33km
5.2mb (7 obs.) 5.4Msz (8 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 04:12: 4.9 0.3
Lat 25.78S 0.03 Lon 177.91W 0.03
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 4.29 Plg=13 Azm=151
N -0.34 77 318
P -3.95 3 60
Best Double Couple:Mo=4.1*10**17
NP1:Strike=195 Dip=79 Slip= 173
NP2: 286 83 11

27 10 52 53.01 29.361N 141.972E 34km
5.2mb (70 obs.) 4.9Msz (15 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 20C
Centroid Location:
Origin Time 10:52:53.1 0.5
Lat 29.12N 0.09 Lon 142.28E 0.07
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 1.11 Plg=58 Azm=284
N 0.12 8 181
P -1.23 30 86
Best Double Couple:Mo=1.2*10**17
NP1:Strike=152 Dip=16 Slip= 61
NP2: 3 76 98

27 15 17 12.03 6.870S 125.452E 506km
5.8mb (55 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 60 Dip=70 Slip= -34
NP2: 163 58 -156
Principal Axes:
T Plg= 7 Azm=114
P 38 18
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.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 2.6±1.2*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 530 No. of sta: 5
Principal Axes:
Scale 10**17 Nm
T Val= 6.45 Plg= 9 Azm=278
N 0.54 64 169
P -6.99 24 12
Best Double Couple:Mo=6.7*10**17
NP1:Strike= 53 Dip=66 Slip= -11
NP2: 147 80 -156
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 15:17:10.7 0.6
Lat 7.36S 0.05 Lon 125.39E 0.03
Dep 512.1 1.9 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.82 Plg=22 Azm=113
N 0.00 56 241
P -6.82 24 13
Best Double Couple:Mo=6.8*10**17
NP1:Strike=153 Dip=56 Slip=-179
NP2: 63 89 -34

28 02 02 50.11 52.191N 168.571W 33km
5.3mb (64 obs.) 4.5Msz (7 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 15C
Centroid Location:
Origin Time 02:02:55.9 2.8
Lat 53.07N 0.23 Lon 168.54W 0.25
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.15 Plg=57 Azm=351
N -0.20 14 239
P -5.95 29 140
Best Double Couple:Mo=6.1*10**16
NP1:Strike=196 Dip=20 Slip= 45
NP2: 62 76 105

28 03 03 12.47 52.850N 31.887W 29km
4.7mb (43 obs.) 4.6Msz (11 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 03:03:13.6 0.6
Lat 52.79N 0.08 Lon 32.42W 0.13
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.32 Plg= 0 Azm=236
N -3.09 90 180
P -7.23 0 146
Best Double Couple:Mo=8.8*10**16
NP1:Strike=281 Dip=90 Slip=-180
NP2: 11 90 0

28 03 16 52.73 19.447S 175.735W 244km
5.6mb (44 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 03:16:59.4 0.7
Lat 19.35S 0.08 Lon 175.74W 0.05
Dep 253.8 2.1 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.28 Plg=41 Azm=127
N -0.25 8 30
P -3.03 48 292
Best Double Couple:Mo=3.2*10**17
NP1:Strike=275 Dip= 8 Slip= -25
NP2: 30 86 -98

28 08 58 05.85 19.645S 69.876W 64km
5.2mb (24 obs.)
NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 23C
Centroid Location:
Origin Time 08:58:13.6 0.4
Lat 19.99S 0.07 Lon 70.63W 0.06
Dep 65.1 3.7 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 10.16 Plg= 0 Azm=242
N -2.33 2 152
P -7.84 88 332
Best Double Couple:Mo=9.0*10**16
NP1:Strike=334 Dip=45 Slip= -88
NP2: 150 45 -92

29 06 02 19.19 4.843S 153.276E 82km
5.2mb (30 obs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 06:02:21.8 1.1
Lat 5.38S 0.10 Lon 153.41E 0.10
Dep 77.5 6.7 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.05 Plg=47 Azm=165
N 1.75 39 17
P -8.80 16 273
Best Double Couple:Mo=7.9*10**16
NP1:Strike=322 Dip=44 Slip= 27
NP2: 212 72 131

30 15 54 29.81 15.968N 47.920W 10km
5.5mb (67 obs.) 5.3Msz (20 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 15:54:38.8 0.2
Lat 15.99N 0.02 Lon 47.85W 0.02
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 5.04 Plg= 0 Azm=169
N -0.63 0 79
P -4.41 90 180
Best Double Couple:Mo=4.7*10**17
NP1:Strike=259 Dip=45 Slip= -90
NP2: 79 45 -90

30 16 37 18.15 12.066N 140.461E 24km
5.1mb (20 obs.) 4.8Msz (2 obs.)
WEST CAROLINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 16:37:20.4 0.9
Lat 12.35N 0.09 Lon 140.40E 0.13
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.47 Plg=13 Azm=142
N -0.16 19 47
P -1.31 66 265
Best Double Couple:Mo=1.4*10**17
NP1:Strike=256 Dip=36 Slip= -56
NP2: 36 61 -112

30 18 33 00.87 6.146N 82.634W 10km
5.1mb (52 obs.) 5.2Msz (12 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 18:33: 6.9 0.7
Lat 6.42N 0.07 Lon 82.53W 0.05
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.75 Plg= 1 Azm=312
N 0.36 74 45
P -2.11 16 222
Best Double Couple:Mo=1.9*10**17
NP1:Strike=358 Dip=78 Slip=-169
NP2: 266 79 -12

31 00 13 56.84 12.006N 140.616E 52km
5.3mb (22 obs.) 5.1Msz (5 obs.)
WEST CAROLINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 00:13:53.4 0.5
Lat 12.01N 0.04 Lon 140.67E 0.05
Dep 15.0 FIX Half-duration 2.0
Principal Axes:

```
Scale 10**17 Nm
T  Val=  2.20  Plg=20  Azm=309
N        0.04       3      218
P       -2.24      70      120
Best Double Couple:Ma=2.2*10**17
NP1:Strike= 44 Dip=25 Slip= -83
NP2:        216     65      -93
```

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

Corrections to Previous Monthly Listings

The following computations of radiated energy should replace the ones given in the PDE Monthly Listings for the months shown:

JANUARY 1989:
02 01 52 08.04 18.589S 174.559W 108km
TONGA ISLANDS
RADIATED ENERGY
No. of sta: 4 Focal mech. M
Energy 1.6+0.8*10**13 Nm

MARCH 1989:
11 05 05 00.63 17.766S 174.761W 230km
TONGA ISLANDS
RADIATED ENERGY
No. of sta: 4 Focal mech. C
Energy 1.6+0.2*10**14 Nm

17 02 21 55.15 27.141N 127.406E 87km
RYUKYU ISLANDS
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 7.6+1.9*10**12 Nm

APRIL 1989:
06 08 05 57.10 19.306S 169.002E 166km
VANUATU ISLANDS
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 1.2+0.5*10**14 Nm

18 12 33 52.16 23.834S 179.944E 524km
SOUTH OF FIJI ISLANDS
RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 6.5+2.5*10**12 Nm

27 02 20 04.74 30.601N 140.589E 85km
SOUTH OF HONSHU, JAPAN
RADIATED ENERGY
No. of sta: 4 Focal mech. C
Energy 9.0+2.4*10**12 Nm

MAY 1989:
05 18 28 39.45 8.281S 71.381W 593km
WESTERN BRAZIL
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 3.0+1.1*10**14 Nm

19 02 21 56.38 54.305N 165.574W 104km
FOX ISLANDS, ALEUTIAN ISLANDS
RADIATED ENERGY
No. of sta: 6 Focal mech. C
Energy 1.8+0.7*10**14 Nm

21 21 56 48.63 17.952S 178.593W 584km
FIJI ISLANDS REGION
RADIATED ENERGY
No. of sta: 6 Focal mech. C
Energy 3.8+0.9*10**12 Nm

JUNE 1989:
09 15 34 11.64 7.865S 117.517E 245km
BALI SEA
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 9.7+2.7*10**11 Nm

16 23 42 35.12 31.807N 137.982E 360km
SOUTH OF HONHSU, JAPAN
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 2.4+0.7*10**13 Nm

JULY 1989:
22 05 02 11.51 2.299N 128.142E 142km
HALMAHERA
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 1.2+0.4*10**14 Nm

24 03 27 48.77 36.085N 71.069E 95km
AFGHANISTAN-USSR BORDER REGION
RADIATED ENERGY
No. of sta: 7 Focal mech. C
Energy 1.4+0.4*10**13 Nm

25 21 54 23.11 7.191S 122.715E 620km
FLORES SEA
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 2.2+0.9*10**13 Nm

AUGUST 1989:
21 18 25 41.05 4.104S 154.459E 494km
SOLOMON ISLANDS
RADIATED ENERGY
No. of sta: 5 Focal mech. C
Energy 2.9+0.8*10**13 Nm

SEPTEMBER 1989:
14 19 10 25.70 1.644N 127.322E 103km
HALMAHERA
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 1.4+0.5*10**14 Nm

16 23 20 53.22 16.497N 93.671W 108km
CHIAPAS, MEXICO
RADIATED ENERGY
No. of sta: 4 Focal mech. M
Energy 4.0+1.7*10**13 Nm

NOVEMBER 1989:
01 06 40 30.33 20.995S 67.954W 140km
SOUTHERN BOLIVIA
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 6.3+3.0*10**13 Nm

16 08 39 42.77 17.760S 178.990W 538km
FIJI ISLANDS REGION
RADIATED ENERGY
No. of sta: 4 Focal mech. M
Energy 1.0+0.2*10**13 Nm

DECEMBER 1989:
03 14 16 48.7 7.631S 74.459W 153km
PERU-BRAZIL BORDER REGION
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 3.7+1.1*10**12 Nm

06 05 19 48.55 6.192S 130.455E 120km
BANDA SEA
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 1.2+0.7*10**13 Nm

07 13 38 44.85 6.436S 146.383E 104km
EAST PAPUA NEW GUINEA REGION
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 3.3+0.3*10**14 Nm

DECEMBER 1989 (cont):
09 20 38 08.59 0.141N 123.340E 141km
MINAHASSA PENINSULA
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 7.8+1.5*10**13 Nm

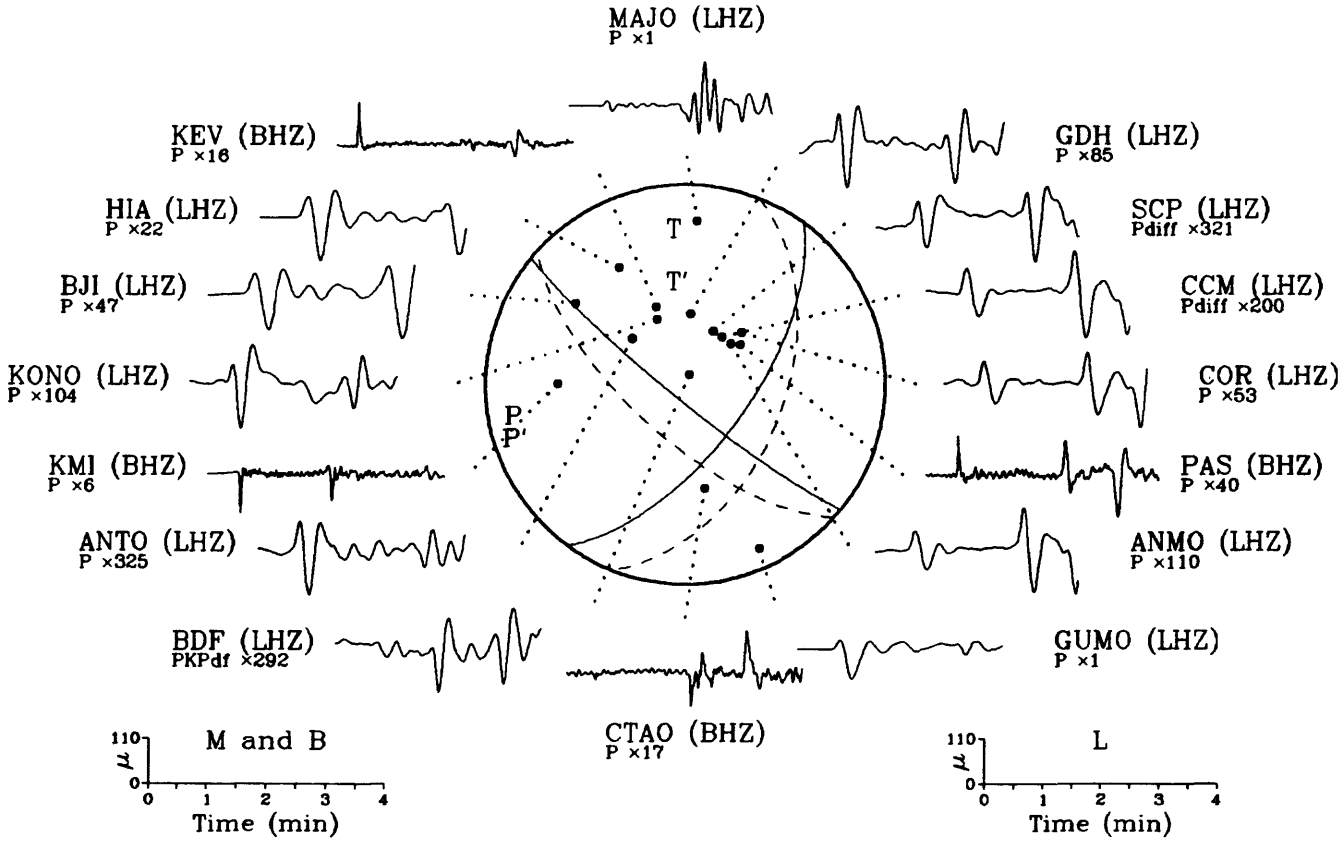
23 11 24 02.68 17.401N 145.788E 162km
MARIANA ISLANDS
RADIATED ENERGY
No. of sta: 3 Focal mech. F
Energy 2.4+1.2*10**13 Nm

25 19 50 18.96 1.679N 127.200E 102km
HALMAHERA
RADIATED ENERGY
No. of sta: 3 Focal mech. C
Energy 3.5+0.9*10**13 Nm

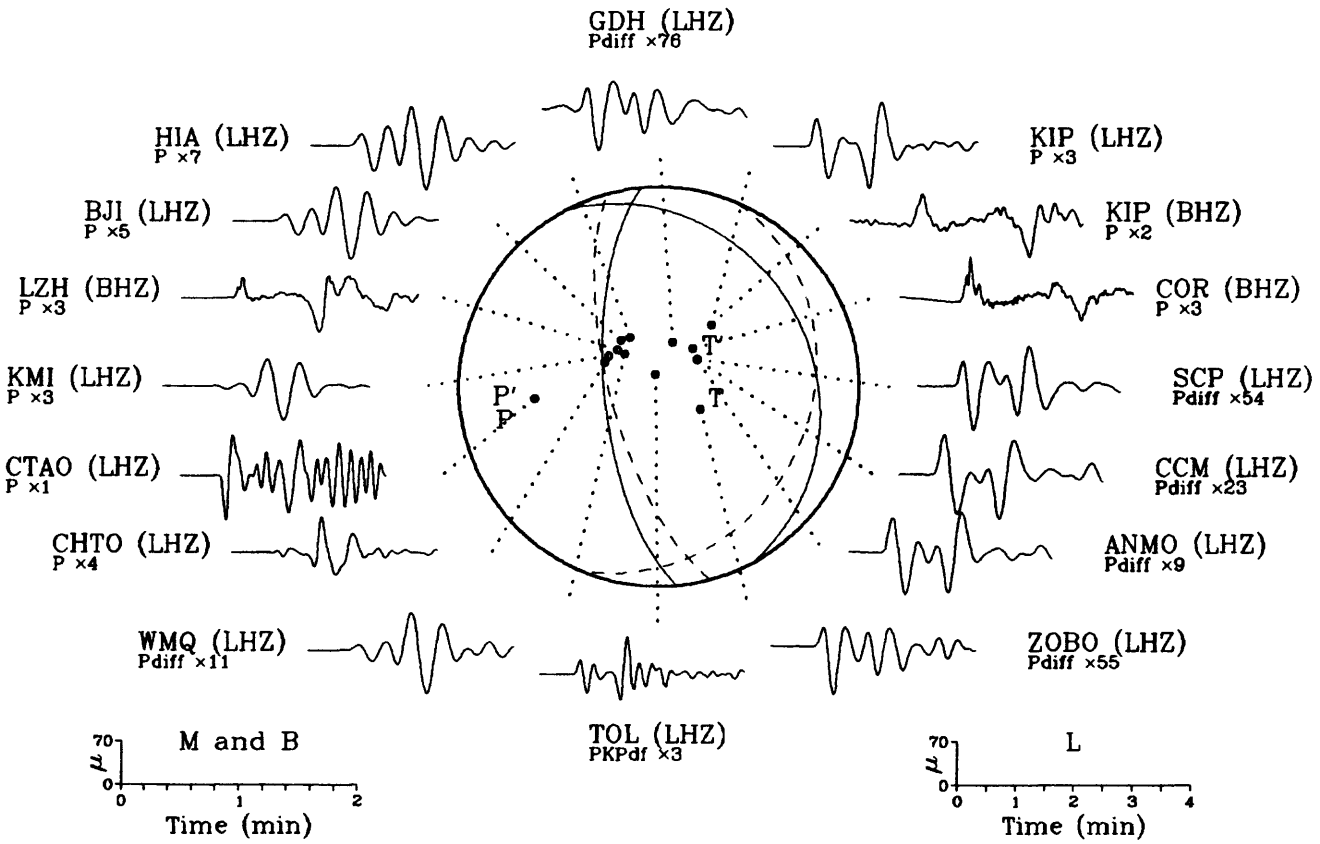
JANUARY 1990:
02 20 21 32.62 13.408N 144.439E 136km
MARIANA ISLANDS
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 4.0+0.4*10**12 Nm

09 18 51 29.21 24.753N 95.241E 119km
BURMA
RADIATED ENERGY
No. of sta: 4 Focal mech. C
Energy 2.4+1.2*10**14 Nm

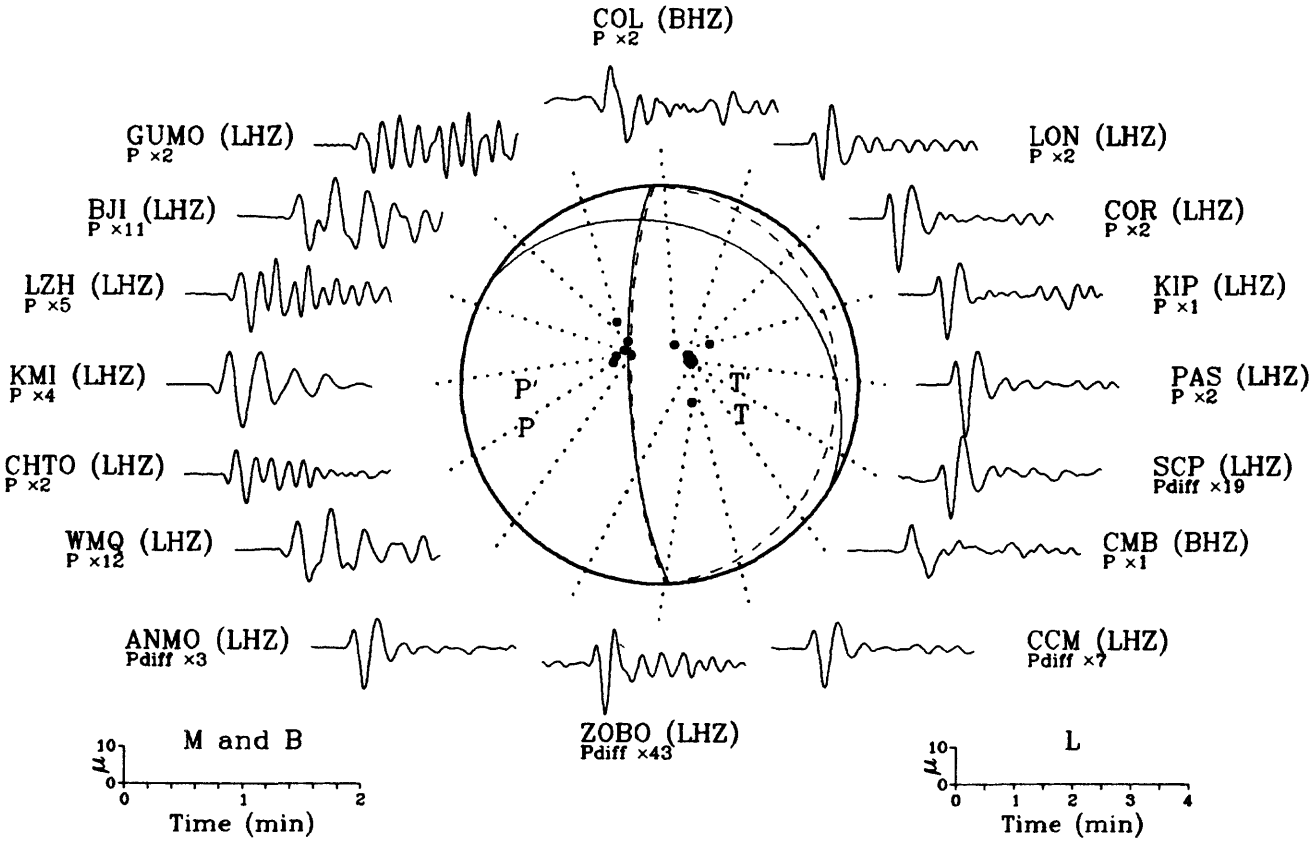
05 August 1990 01:34:55.83
South of Honshu, Japan



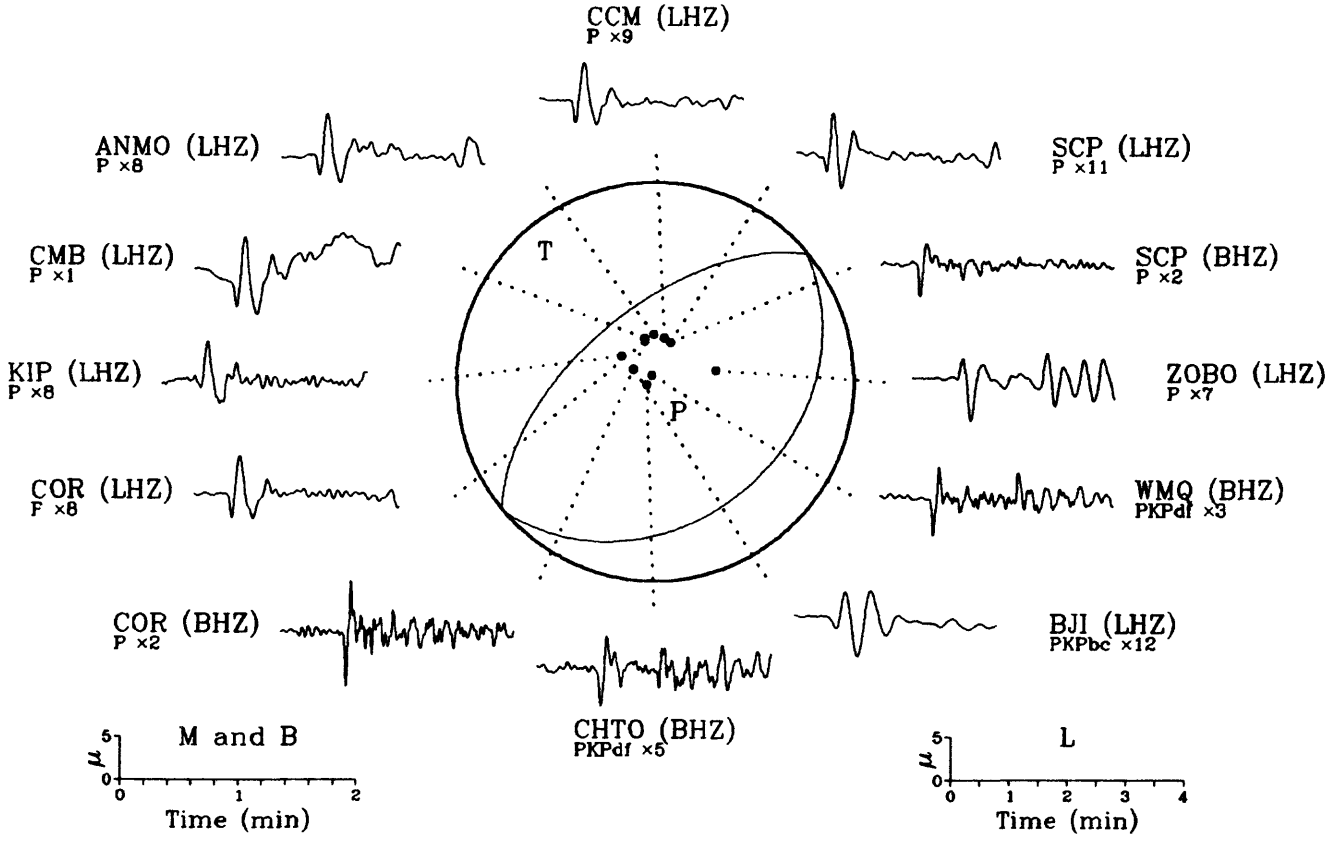
12 August 1990 21:25:21.95
Vanuatu Islands



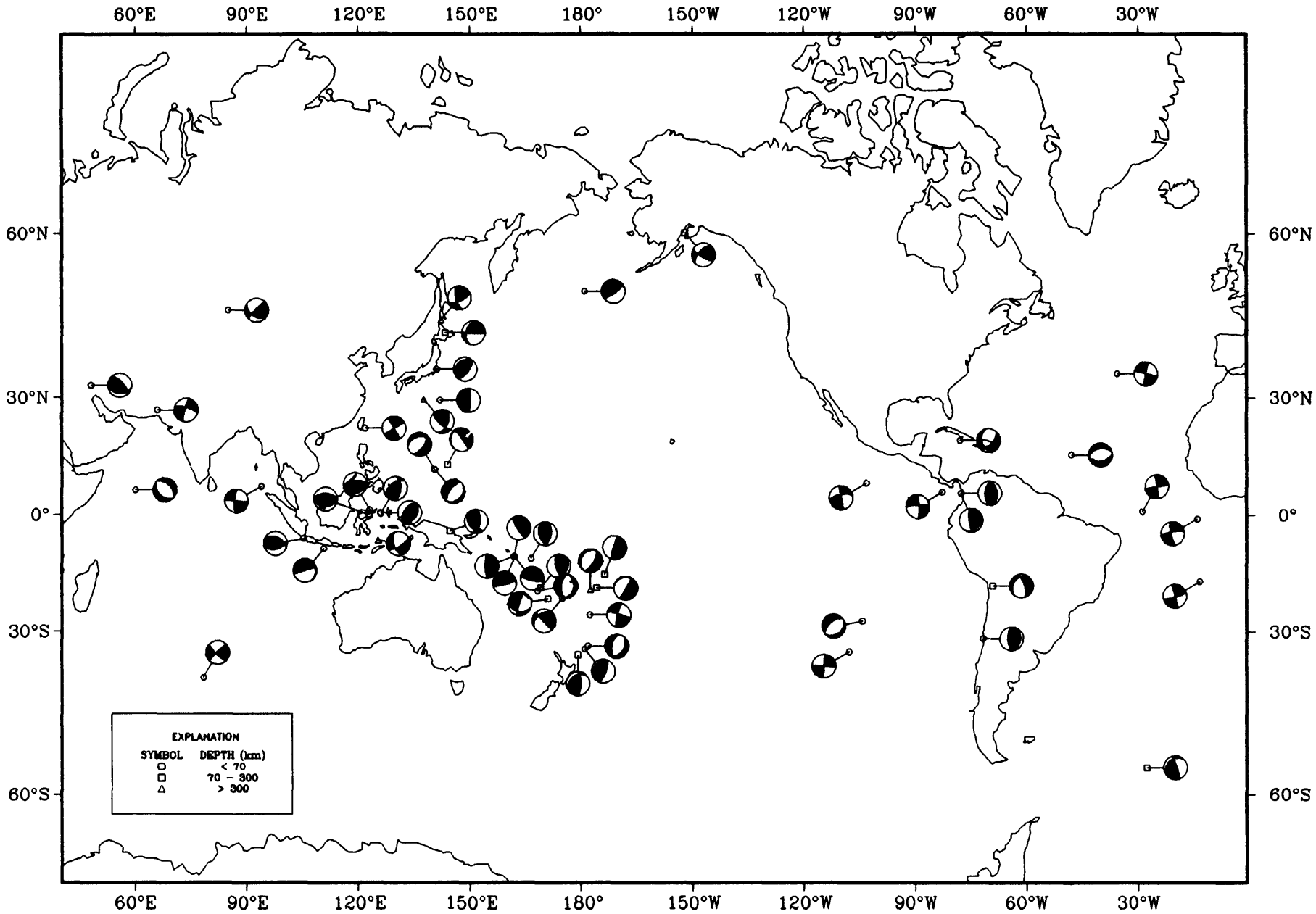
17 August 1990 13:07:17.42
Solomon Islands

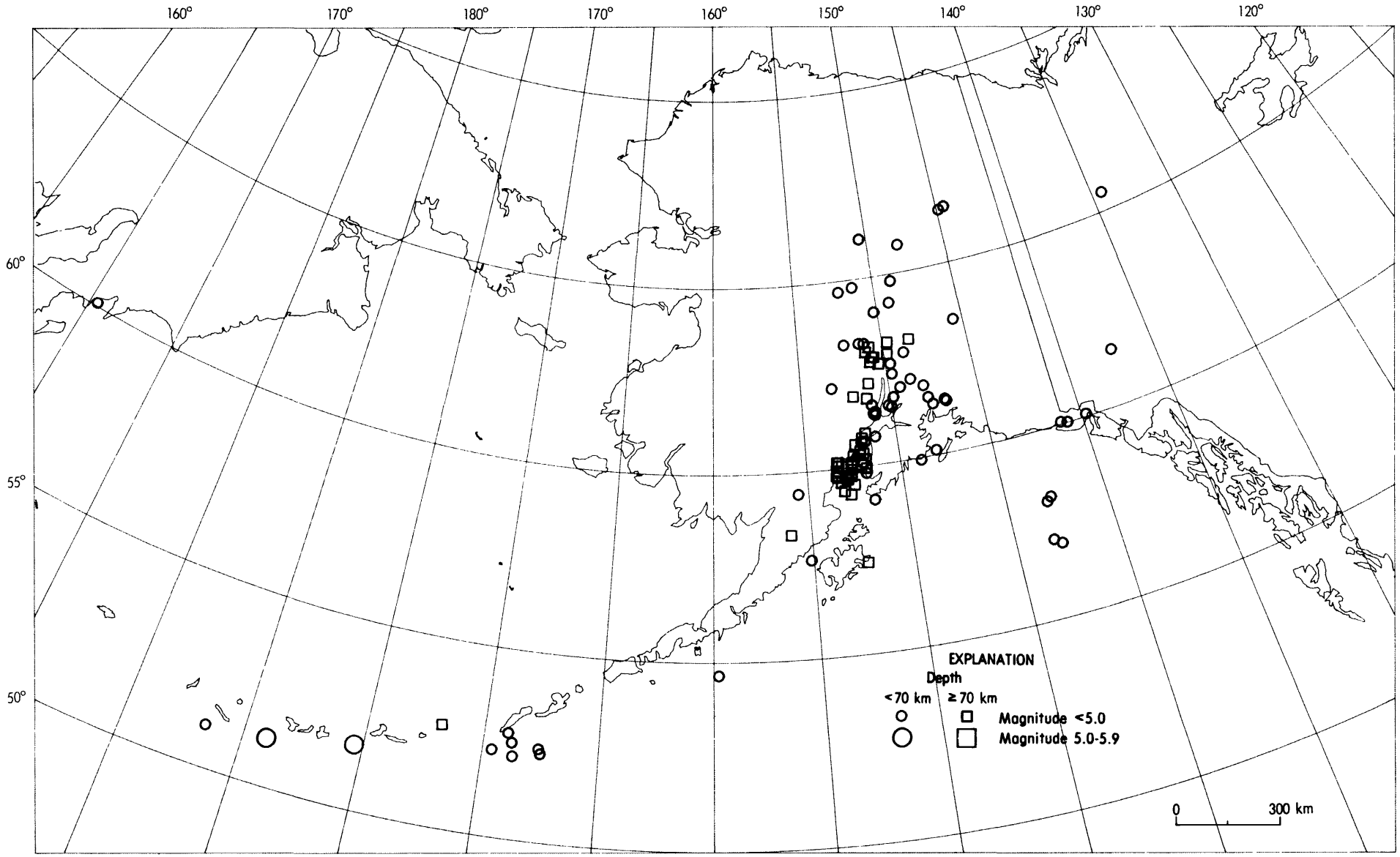


21 August 1990 14:13:04.84
Easter Island Region

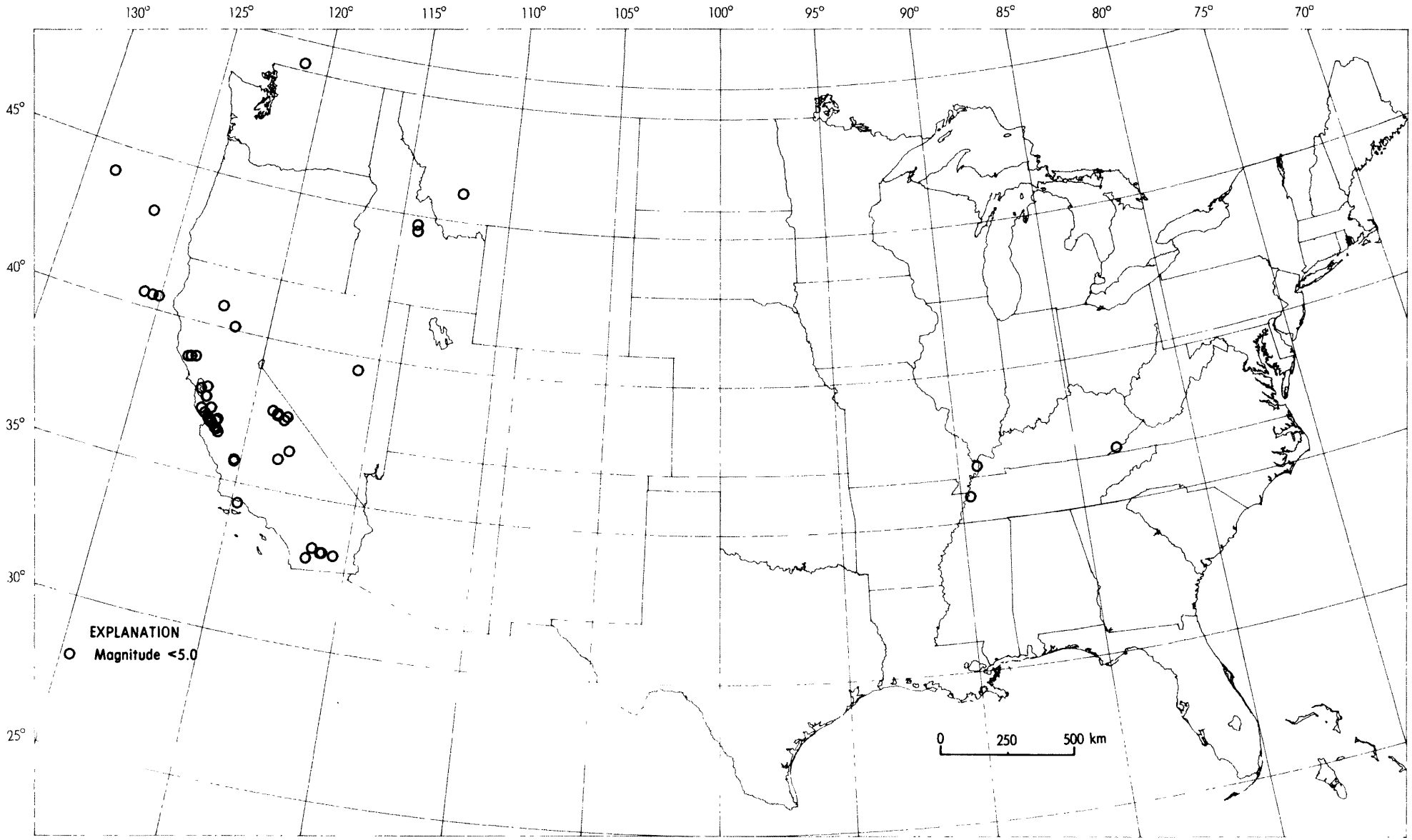


Earthquake Focal Mechanisms for August 1990





Earthquake epicenters in Alaska and adjacent regions for August, 1990 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for August, 1990 (C. Stover).

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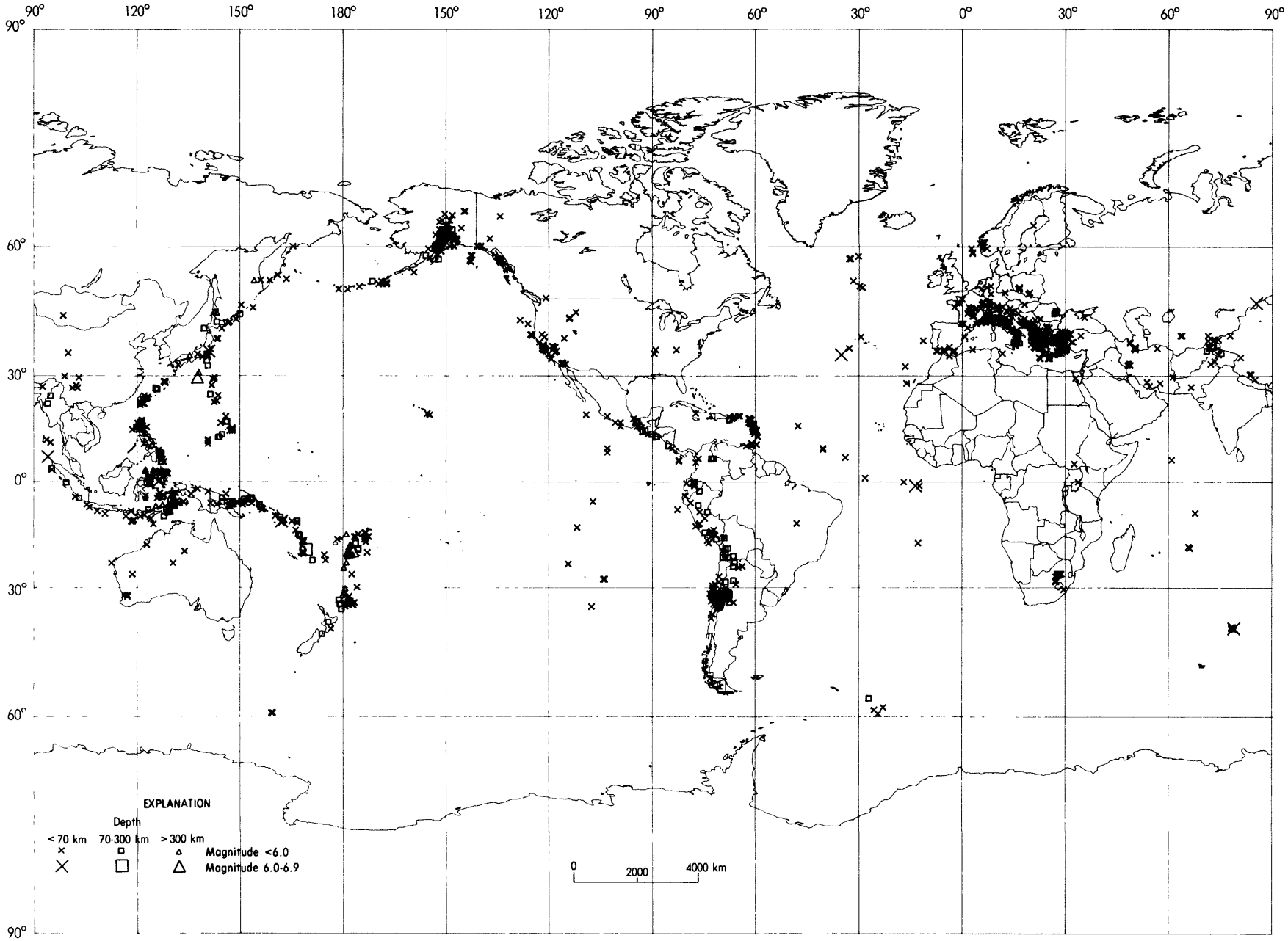

Earthquakes located in August, 1990 (C. Stover).

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

SEPTEMBER 1990

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	01	00.3*	38.917 N	22.068 E	10 G			1.1	6	GREECE. ML 3.0 (ATH).
	01	00	17	12.3	12.031 N	140.470 E	33 N	4.9		1.2	22	WEST CAROLINE ISLANDS
	01	01	12	41.5*	51.546 N	6.582 E	10 G			1.2	12	GERMANY. ML 2.9 (LDG), 2.3 (BNS). mbLg 2.1 (UCC).
	01	01	50	31.4	38.744 N	26.565 E	10 G			0.6	8	AEGEAN SEA. MD 3.6 (ATH).
	01	02	43	44.8*	19.291 N	99.257 E	33 N	3.7		0.9	5	SOUTHEAST ASIA
	01	06	32	20.1	43.143 N	0.465 W	10 G			0.2	9	PYRENEES. ML 2.6 (LDG).
	01	06	43	22.4	33.632 S	70.529 W	87 *			0.3	13	CHILE-ARGENTINA BORDER REGION
	01	06	43	27.4*	16.709 N	96.111 W	99 *	4.0		0.3	7	OAXACA, MEXICO
	01	06	57	16.0	43.139 N	0.468 W	10 G			0.3	7	PYRENEES. ML 2.5 (LDG).
	01	09	12	52.5&	36.780 N	121.510 W	8				15	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	01	09	13	28.2%	39.171 N	27.668 E	10 G			0.4	5	TURKEY
	01	10	00	45.3	2.730 N	126.319 E	59 ?	4.8		1.2	34	MOLUCCA PASSAGE
	01	10	15	06.9	24.856 S	179.697 E	538 ?	4.6		0.7	43	SOUTH OF FIJI ISLANDS
	01	10	25	00.5	44.474 N	7.316 E	10 G			0.4	11	NORTHERN ITALY. ML 2.3 (LDG), 2.2 (GEN).
	01	13	40	12 5*	38.911 N	23.384 E	10 G			1.2	6	GREECE. ML 2.8 (ATH).
	01	13	42	36.5	4.637 N	127.842 E	69 *	4.8		1.0	42	TALAUD ISLANDS
	01	14	08	16.0%	40.323 N	29.497 E	10 G			0.9	8	TURKEY
	01	14	44	44.1&	59.440 N	152.767 W	80				31	SOUTHERN ALASKA. <AGS-P>.
	01	16	34	12 2?	30.27 S	72.37 W	10 G			0.8	15	OFF COAST OF CENTRAL CHILE
	01	17	24	42.3	37.053 N	28.033 E	25	4.0		1.2	37	TURKEY. ML 3.9 (ATH).
	01	17	27	37.5	40.650 N	30.046 E	10 G			0.6	10	TURKEY
	01	17	44	45.2%	38.767 N	23.473 E	10 G			0.3	5	GREECE. ML 2.8 (ATH).
	01	17	57	09.3&	60.452 N	151.561 W	57				33	KENAI PENINSULA, ALASKA. <AGS-P>.
	01	18	12	24.6*	32.115 S	71.801 W	10 G			1.2	11	NEAR COAST OF CENTRAL CHILE
	01	18	12	29.3&	39.299 N	111.135 W	7				1	UTAH. <SLC-P>. CL 3.3 (SLC).
	01	20	05	12.5	22.584 N	144.553 E	56 D	4.5		1.2	22	VOLCANO ISLANDS REGION
	01	20	27	16.1%	42.784 N	12.818 E	10 G			0.5	9	CENTRAL ITALY
	01	21	06	28.9&	59.857 N	152.279 W	76				26	SOUTHERN ALASKA. <AGS-P>.
	01	21	09	52.7	40.677 N	19.917 E	10 G			1.2	15	ALBANIA. ML 3.1 (SKO), 2.6 (TTG). MD 3.2 (ATH).
	01	21	30	03.3	40.733 N	21.714 E	5 G			1.2	16	GREECE ML 3.7 (SKO). MD 3.0 (ATH).
	01	21	32	49.8	39.375 N	74.760 E	17 D	4.7	3.8	1.1	60	SOUTHERN XINJIANG, CHINA
	01	22	33	42.8&	60.234 N	152.122 W	72				50	SOUTHERN ALASKA. <AGS-P>.
	01	23	13	28.4&	61.972 N	149.306 W	40				51	SOUTHERN ALASKA. <AGS-P>. ML 3.1 (PMR).
	02	00	03	39.3&	60.003 N	152.763 W	94				38	SOUTHERN ALASKA. <AGS-P>.
	02	00	10	04.9?	46.83 N	8.27 E	10 G			1.1	7	SWITZERLAND. ML 2.1 (LDG).
	02	01	26	56.2%	42.294 N	7.424 W	10 G			0.9	5	SPAIN mbLg 2.2 (MDD).
	02	02	54	59 8	0.118 S	123.121 E	147 ?	4.9		1.1	30-	MINAHASSA PENINSULA
	02	04	02	11.2	37.029 N	29.446 E	10 G			1.2	7	TURKEY. MD 4.0 (ATH).
f	02	04	26	48.0	0.143 S	80.283 W	14 G	5.8	6.1	1 1	344	NEAR COAST OF ECUADOR. Ms 5.9 (BRK). Mo=3.0*10**18 Nm (PPT). Some damage (VI) in the Jomo-Bohio oreo. Felt (V) ot Chone ond (IV) ot Guoyoquil. Depth from broadband displocement seismograms.
	02	04	37	19.1	43.308 N	17.264 E	10 G			0 7	8	YUGOSLAVIA. ML 2.5 (TTG).
	02	05	07	16.2	0.087 S	80.229 W	28	5.0		1.1	75	NEAR COAST OF ECUADOR
	02	05	23	18.1?	0.35 N	81.54 W	10 G			0.8	11	OFF COAST OF ECUADOR
	02	05	36	59.0	6.048 S	154.603 E	415	4.6		0.7	22	SOLOMON ISLANDS
	02	06	28	22.0*	36.904 N	21.127 E	10 G			1.3	9	SOUTHERN GREECE. MD 3.1 (ATH).
	02	06	29	24.8	26 645 N	92 673 E	46	5 2		0.9	144	EASTERN INDIA
	02	07	03	06.7*	16.480 N	121.147 E	10 G	4.6		1.1	15	LUZON, PHILIPPINE ISLANDS
	02	07	12	02.1	18.033 N	66 619 W	5 G			1.2	8	PUERTO RICO REGION
	02	07	14	40 0?	43.81 N	8 46 E	10 G			0.4	7	CORSICA. ML 2.1 (GEN).
	02	07	28	28.7	40.054 N	21.458 E	9			0.9	19	GREECE. MD 3.2 (ATH).
	02	08	08	24 5&	36.658 N	121.317 W	5				21	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
	02	08	27	12.5&	36.658 N	121 320 W	5				14	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	02	09	08	48.2?	39.02 N	27.67 E	10 G			0.6	5	TURKEY
	02	09	18	36.2?	6.07 S	133.80 E	33 N	4 4		1.4	8	AROE ISLANDS REGION
	02	09	52	42.9?	23.01 S	174 61 W	40 G	4 6	5.2	1.2	10	TONGA ISLANDS REGION
	02	09	56	31.9	23.852 S	70.484 W	43	4.7		1.0	23	NEAR COAST OF NORTHERN CHILE. Felt (IV) in the

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													Antofogasto area.
o	02	10	06	52.0	41.210	S	90.129	W	10 G	5.0 5.0	1.2	48	SOUTHERN PACIFIC OCEAN
	02	10	20	35.3&	34.140	N	116.990	W	14			17	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	02	11	09	29.8%	46.975	N	2.702	E	10 G		0.3	9	FRANCE. ML 2.1 (LDG).
	02	11	37	52.3?	3.39	S	129.76	E	33 N	4.1	1.2	7	CERAM
	02	11	58	18.6%	39.152	N	27.605	E	10 G		1.0	5	TURKEY
	02	12	49	42.2	3.148	S	148.388	E	42 *	5.0	1.1	37	BISMARCK SEA
a	02	12	51	17.6	3.134	S	148.134	E	41 D	5.3 5.4	1.2	69	BISMARCK SEA
	02	12	58	28.5	38.324	N	22.102	E	10 G		1.4	9	GREECE. ML 2.9 (ATH).
o	02	13	05	07.3	3.197	S	148.225	E	23 *	5.4 5.8	1.4	123	BISMARCK SEA
	02	13	23	21.2*	3.123	S	148.246	E	33 N	4.7	0.8	13	BISMARCK SEA
	02	13	49	48.7*	27.672	S	104.448	W	10 G	4.8	0.8	43	EASTER ISLAND REGION
	02	14	15	54.2*	7.532	S	156.308	E	95 *	4.2	0.9	15	SOLOMON ISLANDS
	02	15	12	46.5?	44.34	N	7.36	E	10 G		0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
	02	15	33	28.7	42.982	N	18.413	E	10 G		0.6	7	YUGOSLAVIA. ML 2.4 (TTG).
	02	15	50	37.0*	0.045	S	78.513	W	10 G		0.8	7	ECUADOR. Felt (II) at Quito.
	02	15	55	40.3	32.657	S	71.618	W	27		0.8	14	NEAR COAST OF CENTRAL CHILE
	02	15	56	09.2?	32.47	S	71.74	W	10 G		0.6	8	NEAR COAST OF CENTRAL CHILE. Felt (II) at Valparaiso.
	02	16	16	16.3	38.077	N	22.592	E	10 G		1.5	8	GREECE. ML 2.8 (ATH).
	02	16	16	31.2*	2.694	N	125.912	E	98 ?	4.7	1.2	17	TALAUD ISLANDS
	02	16	55	18.6?	32.57	S	72.14	W	13		0.6	10	OFF COAST OF CENTRAL CHILE
	02	17	15	41.0&	36.653	N	121.317	W	5			20	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	02	19	32	39.2	45.191	N	7.493	E	10 G		0.8	10	NORTHERN ITALY. ML 2.2 (GEN).
	02	19	54	37.7?	20.40	S	70.36	W	33 N		1.5	5	NEAR COAST OF NORTHERN CHILE
	02	20	34	52.3?	31.58	N	140.73	E	33 N	4.7	0.7	13	SOUTH OF HONSHU, JAPAN
	02	21	28	33.8%	39.378	N	28.546	E	10 G		1.5	7	TURKEY
	02	22	42	18.0?	18.40	N	64.00	W	28 *		1.3	13	VIRGIN ISLANDS. ML 4.1 (FDF).
	02	23	27	48.3?	19.47	S	178.46	W	614	4.1	1.0	16	FIJI ISLANDS REGION
	03	00	04	45.4	37.016	N	29.531	E	25	4.1	1.2	102	TURKEY. ML 4.5 (ATH). Felt at Cameli.
	03	00	22	56.5?	17.47	N	61.97	W	33 N		0.4	7	LEEWARD ISLANDS. ML 3.5 (FDF).
	03	00	27	00.3	42.890	N	12.940	E	6		1.2	53	CENTRAL ITALY. MD 3.5 (TRI).
a	03	00	39	01.5	3.140	S	148.174	E	52 *	5.4 5.1	1.3	45	BISMARCK SEA
	03	01	02	51.0	14.488	S	167.799	E	84 ?	4.9	0.9	66	VANUATU ISLANDS
o	03	02	40	59.1	36.409	N	70.671	E	202 D	4.9	1.0	252	HINDU KUSH REGION. Felt (III) at Dushanbe, USSR.
	03	03	41	48.2%	17.153	N	94.962	W	33 N		1.4	9	CHIAPAS, MEXICO
	03	03	46	26.6&	62.475	N	151.108	W	86			35	CENTRAL ALASKA. <AGS-P>.
	03	03	52	56.0%	36.566	N	25.577	E	10 G		1.3	6	DODECANESE ISLANDS. MD 3.5 (ATH).
	03	04	56	53.7?	6.23	S	150.07	E	167 *	4.7	1.0	9	NEW BRITAIN REGION
	03	05	13	27.1*	16.310	N	120.710	E	25	5.3	0.6	15	LUZON, PHILIPPINE ISLANDS
	03	05	21	43.9&	62.198	N	151.438	W	87			47	CENTRAL ALASKA. <AGS-P>.
	03	05	35	50.6	39.943	N	24.006	E	21	4.1	1.2	73	AEGEAN SEA. ML 4.1 (ATH).
	03	06	01	55.4	19.850	S	70.520	W	33 N	4.8 4.4	1.1	51	NEAR COAST OF NORTHERN CHILE
	03	06	11	23.5*	8.706	S	79.877	W	39 *	4.7 4.6	1.4	24	NEAR COAST OF NORTHERN PERU
	03	06	24	03.1*	43.169	N	25.963	E	10 G		1.0	5	BULGARIA. Felt (III) in the Strazhitso area.
	03	06	30	25.2	37.654	N	14.909	E	10 G		0.1	6	SICILY
	03	06	31	01.7	37.740	N	14.965	E	10 G		0.3	6	SICILY
	03	06	36	35.6	37.738	N	14.982	E	10 G		0.5	6	SICILY
	03	06	57	52.5	37.736	N	14.958	E	10 G		0.4	6	SICILY
	03	07	02	02.7	43.754	N	10.896	E	10 G		0.6	6	CENTRAL ITALY
	03	07	21	23.3%	10.746	N	60.930	W	33 N		1.0	6	TRINIDAD. MD 3.6 (TRN).
	03	07	30	06.5?	18.65	N	63.89	W	10 G		1.5	9	LEEWARD ISLANDS
	03	07	36	26.4&	62.434	N	148.467	W	9			33	CENTRAL ALASKA. <AGS-P>.
	03	07	46	04.6*	37.942	N	14.932	E	10 G		0.8	5	SICILY
	03	07	46	35.7%	44.240	N	7.453	E	10 G		0.5	8	NORTHERN ITALY. ML 2.0 (GEN).
	03	07	56	17.6	37.073	N	29.551	E	10 G		1.5	22	TURKEY. MD 4.0 (ATH).
	03	08	28	15.7&	62.660	N	149.409	W	65			29	CENTRAL ALASKA. <AGS-P>.
	03	09	42	52.8*	37.725	N	14.969	E	10 G		1.1	5	SICILY
	03	09	43	57.4	37.714	N	14.955	E	10 G		0.9	6	SICILY
	03	10	48	33.1	45.915	N	15.873	E	20	4.8	1.2	222	YUGOSLAVIA ML 5.1 (FUR), 4.9 (VIE), 4.7 (TTG), 4.5 (KRA) MD 4.7 (TRI). Felt (VII) at Kraljev Vrh and Stubico, (VI) at Zagreb, (V) at Lendava and (IV) at Krsko Vas and Ljubljana. Also felt at Trieste, Italy.
	03	10	52	26.4	37.897	N	14.940	E	10 G		0.7	7	SICILY
	03	11	03	30.1?	45.95	N	16.16	E	10 G		0.4	7	YUGOSLAVIA. MD 2.5 (LJU). Felt at Zagreb.
	03	11	16	20.2*	37.721	N	14.938	E	10 G		0.8	5	SICILY
	03	11	43	01.5?	45.89	N	16.17	E	10 G		1.0	6	YUGOSLAVIA
	03	11	56	13.3&	36.525	N	121.145	W	7			13	CENTRAL CALIFORNIA. <BRK> ML 2.5 (BRK).
	03	11	58	04.1?	45.94	N	16.20	E	10 G		1.0	7	YUGOSLAVIA MD 2.5 (LJU). Felt at Zagreb.
	03	12	01	06.5	37.764	N	15.014	E	10 G		1.0	10	SICILY
	03	12	08	56.8	37.753	N	14.998	E	10 G		0.7	10	SICILY
	03	14	16	15.7	39.534	N	28.484	E	10 G		0 9	27	TURKEY. MD 3.8 (ATH).
	03	14	22	14.4?	18.13	S	178.60	W	624 ?	4.5	0.9	12	FIJI ISLANDS REGION
	03	14	53	49.6?	18.39	S	177.75	W	653 ?	4.6	0.9	20	FIJI ISLANDS REGION
	03	16	26	25.3*	39.207	N	23.583	E	10 G		0.8	7	AEGEAN SEA. ML 3.0 (ATH).
	03	18	33	26.8	37.734	N	14.967	E	10 G		0.7	6	SICILY
	03	18	39	23.6	37.744	N	15.001	E	10 G		0.7	13	SICILY
	03	18	43	39.1	37.793	N	14.951	E	10 G		0.5	6	SICILY
	03	18	50	24.8*	2.180	N	125.847	E	198	4.9	0.4	15	TALAUD ISLANDS
	03	19	31	00.2?	34.51	N	140.12	E	33 N	4.8	0.8	9	NEAR EAST COAST OF HONSHU, JAPAN
	03	19	49	32.8	37.725	N	14.988	E	10 G		0.5	6	SICILY
	03	21	50	32.2	47.207	N	8.158	E	10 G		1.4	16	SWITZERLAND. MD 2.7 (STR). ML 2.2 (VIE).
	03	22	14	43.3	45.725	N	10.910	E	10 G		0.6	6	NORTHERN ITALY. ML 2.7 (VIE).
	03	22	27	28.7	24.824	N	122.630	E	120	4.3	1.1	26	TAIWAN REGION
	03	22	44	48.9?	26.74	S	175.65	W	21 D	5 2 4.6	1.3	18	SOUTH OF TONGA ISLANDS
	03	23	02	26.0?	22 52	N	120.99	E	10 G		0.8	5	TAIWAN
	03	23	07	26.0&	40.338	N	124.160	W	10			11	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK).
o	04	01	48	00.7	0 479	S	29.085	E	10 G	5.0 5.0	1.1	117	ZAIRE REPUBLIC
	04	01	51	58.6*	52.471	N	168 401	W	33 N	4.1 4.9	1.2	10	FOX ISLANDS, ALEUTIAN ISLANDS
	04	02	23	52.4?	17.42	S	69.57	W	212 ?		0.8	6	PERU-BOLIVIA BORDER REGION
	04	02	56	57.6	49.794	N	142.392	E	16 D	4.9 4.1	1.0	61	SAKHALIN ISLAND. Felt (VI) at Smirnykh; (V) at Buyukly; (IV) at Uglegorsk, Pobedino, Roshchino and Boshnyakava; (III) at Leonidova and Motrasova; (II) at Onor.
	04	03	06	29.4	10.086	N	62.325	W	10 G	3.7	1.0	15	NEAR COAST OF VENEZUELA. MD 4.3 (TRN).

a	04	04	22	11.0	5.213	S	152.536	E	55	*	5.2 5.1	1.0	53	NEW BRITAIN REGION
	04	05	15	19.9?	45 48	N	3.70	E	10	G		0.1	4	FRANCE MD 2.5 (STR).
	04	06	44	16.3*	5.663	S	147.005	E	208		4.8	0.9	12	EAST PAPUA NEW GUINEA REGION
	04	07	37	35.7	38 380	N	20.569	E	10	G		1.1	6	GREECE. MD 3.2 (ATH).
	04	08	01	09.2%	41.133	N	28.473	E	10	G		0.7	7	TURKEY
a	04	08	03	04.2	19.803	N	75.690	W	33	D	5.2 4.5	0.9	127	CUBA REGION. Slight damage and landslides at Santiaga de Cuba. Felt throughaut eastern Cuba.
	04	08	31	24.0&	59.856	N	153.304	W	123				28	SOUTHERN ALASKA. <AGS-P>.
	04	09	29	23.3	4.861	S	151.514	E	160	*	4.9	0.8	18	NEW BRITAIN REGION
	04	10	09	43.2?	22.85	S	178.15	E	686	?	4.7	0.5	17	SOUTH OF FIJI ISLANDS
	04	10	32	57.1&	63.174	N	150.233	W	114				40	CENTRAL ALASKA. <AGS-P>.
	04	10	59	17.8	34.870	N	70.902	E	33	N	4.6	1.0	21	AFGHANISTAN
	04	11	09	14.8&	63.210	N	149.286	W	88				32	CENTRAL ALASKA. <AGS-P>.
	04	12	25	25.4?	42.02	N	19.07	E	10	G		0.2	4	YUGOSLAVIA. ML 2.0 (TTG).
	04	12	27	39.3%	43.388	N	5.449	E	10	G		0.3	7	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	04	13	26	47.6?	1.67	S	136.22	E	33	N	4.5	1.1	8	WEST IRIAN REGION
a	04	13	27	18.2	51.583	N	173.847	W	53	D	5.0	0.8	129	ANDREANOF ISLANDS, ALEUTIAN IS.
	04	15	16	50.7	44.332	N	6.764	E	10	G		0.4	19	FRANCE. ML 2.5 (GEN), 2.3 (LDG).
	04	15	48	14.2	55.117	N	161.719	E	40	D	5.0 4.2	0.9	125	NEAR EAST COAST OF KAMCHATKA
	04	16	18	04.4%	31.565	S	68.161	W	10	G		0.7	6	SAN JUAN PROVINCE, ARGENTINA
	04	16	21	49.4?	17.61	N	61.90	W	10	G		0.5	6	LEEWARD ISLANDS. ML 3.2 (FDF).
	04	17	51	41.6	6.852	N	72.988	W	157	D	4.9	0.9	47	NORTHERN COLOMBIA. Felt at Bagota.
	04	18	07	39.8	45.410	N	6.599	E	10	G		0.4	8	FRANCE
	04	18	43	30.8*	45.535	N	14.558	E	10	G		1.2	7	YUGOSLAVIA. MD 2.2 (LJU).
	04	19	16	47.3	43.538	N	0.610	W	10	G		0.9	23	PYRENEES. ML 3.5 (LDG). mbLg 3.0 (MDD). Felt at Artix and Mont, France.
a	04	19	57	12.2	7.177	S	146.036	E	161		5.1	0.8	67	EAST PAPUA NEW GUINEA REGION
	04	20	22	03.7*	2.296	N	126.634	E	97	?	4.5	1.4	15	MOLUCCA PASSAGE
	04	20	40	28.0&	59.794	N	151.947	W	70				29	KENAI PENINSULA, ALASKA. <AGS-P>.
	04	21	03	31.9*	25.965	N	127.807	E	33	N	4.5	1.3	11	RYUKYU ISLANDS
	04	21	55	26.1?	44.07	N	7.60	E	10	G		0.6	9	NORTHERN ITALY. ML 2.0 (LDG). MD 1.8 (STR).
	04	22	13	52.2?	31.49	S	179.94	W	239	?	4.3	1.4	12	KERMADEC ISLANDS REGION
	04	23	12	47.2&	62.035	N	149.256	W	45				37	CENTRAL ALASKA. <AGS-P>.
a	04	23	15	11.3	31.262	S	69.063	W	112	D	5.5	1.0	169	SAN JUAN PROVINCE, ARGENTINA. mb 5.8 (BRK). Felt (V) at San Juan and (III) in parts af La Rioja and Mendaza Provinces. Also felt in the Santiago area, Chile.
	04	23	52	59.8	44.324	N	6.747	E	10	G		0.3	26	FRANCE. ML 2.5 (GEN), 2.3 (LDG).
	05	01	12	21.5*	45.178	N	6.513	E	10	G		0.5	7	FRANCE
	05	01	34	07.9%	32.984	S	71.116	W	33	N		1.0	7	NEAR COAST OF CENTRAL CHILE
	05	02	24	58.3*	13.773	N	89.843	W	33	N	4.1	1.2	13	EL SALVADOR
	05	02	39	52.2*	47.541	N	9.139	E	10	G		1 4	12	GERMANY. ML 2.7 (LDG), 2.6 (VIE). MD 2.2 (STR).
	05	02	46	44.1*	47.586	N	9.240	E	10	G		0.3	5	GERMANY. ML 2.7 (LDG), 2.3 (VIE).
	05	03	03	42.7	47.516	N	13.768	E	10	G		1.2	19	AUSTRIA. ML 3.5 (VIE), 3.1 (GRF). Felt (V) in the Haus area.
	05	03	23	52.6	36.423	N	22.814	E	110		4.5	1.2	143	SOUTHERN GREECE. MD 5.0 (TTG).
	05	04	58	19.0	44.176	N	6.322	E	10	G		0.7	23	FRANCE. ML 2.3 (LDG).
	05	05	27	27.2*	31.613	S	69.006	W	33	N		1.3	6	SAN JUAN PROVINCE, ARGENTINA
	05	05	45	38.6*	38.721	N	142.255	E	69	*	4.5	0.6	13	NEAR EAST COAST OF HONSHU, JAPAN
	05	05	49	19.7	2.213	S	80.361	W	64	D	4.9	0.8	49	NEAR COAST OF ECUADOR
	05	05	52	25.0*	38.564	N	26.492	E	10	G		0.4	5	AEGEAN SEA
a	05	07	11	05.0	8.461	N	126.506	E	84		5.5	1.2	128	MINDANAO, PHILIPPINE ISLANDS. Minor damage (V RF) in the Bislig area. Felt (IV RF) at Butuan and (II RF) at Cagayan de Ora and on Camiguin.
	05	09	00	32.1*	19.049	N	69.766	W	33	N	3.9	1.5	9	DOMINICAN REPUBLIC REGION
	05	09	21	40.6&	36.822	N	121.583	W	4				14	CENTRAL CALIFORNIA <BRK>. ML 2.7 (BRK).
	05	10	26	20.7&	61.316	N	149.779	W	39				31	SOUTHERN ALASKA. <AGS-P>.
	05	11	32	38.2	56.396	N	156.067	W	72	*	3.9	0.9	42	ALASKA PENINSULA
	05	13	01	28.8?	17.38	N	61.22	W	22			0.3	8	LEEWARD ISLANDS. ML 3.7 (FDF).
	05	13	34	15.8?	32.84	N	116.74	W	5	G		0.8	4	CALIFORNIA-MEXICO BORDER REGION. Felt at Alpine, California.
	05	13	56	31.3%	60.499	N	5.099	E	10	G		1.5	6	SOUTHERN NORWAY. MD 1.5 (BER).
	05	15	02	26.9%	41.199	N	28.196	E	10	G		1.0	7	TURKEY
	05	16	01	48.6&	50.558	N	130.034	W	10	G	3.8		35	VANCOUVER ISLAND REGION. <PGC>. ML 3.6 (PGC).
	05	16	21	28.8*	40.994	N	28.650	E	69	?		1.1	6	TURKEY
	05	16	26	20.7*	40.723	N	28.538	E	10	G		1 1	5	TURKEY
	05	17	06	43.7?	37.80	N	30.21	E	10	G		0.5	5	TURKEY
	05	17	29	38.0*	4.024	S	152.737	E	33	N	4.7	1.1	16	NEW BRITAIN REGION
	05	18	35	22.7*	42.500	N	141.060	E	115		4.9	1.1	67	HOKKAIDO, JAPAN REGION
	05	18	38	27.5?	44.25	N	7.15	E	10	G		0.2	4	NORTHERN ITALY. ML 1.6 (GEN).
	05	19	38	09.7%	42.669	N	13.200	E	10	G		0.5	5	CENTRAL ITALY
	05	21	08	10.8	44.126	N	6.729	E	10	G		0.6	13	FRANCE. ML 2.5 (LDG), 2.3 (GEN).
	05	21	16	36.0*	31.410	S	69.931	W	146	?		0.4	12	SAN JUAN PROVINCE, ARGENTINA
	05	21	43	33.7?	46.47	N	1.73	E	10	G		0.5	4	FRANCE. ML 1.7 (LDG).
	05	22	28	20.7&	59.653	N	152.567	W	86				34	SOUTHERN ALASKA. <AGS-P>.
	05	22	41	42.2?	15.42	N	96.72	W	33	N		0.9	5	NEAR COAST OF OAXACA, MEXICO
	05	23	34	01.4	35.162	N	23.041	E	26		4.1	1.1	31	CRETE. ML 3.7 (ATH).
	05	23	43	31.0?	31.66	S	69.02	W	33	N		1.0	5	SAN JUAN PROVINCE, ARGENTINA
	06	00	44	16.3	38.718	N	26.514	E	10	G		0.5	12	AEGEAN SEA
	06	01	07	40.6*	36.952	N	29.354	E	10	G		1.0	6	TURKEY
	06	01	31	28.5*	33.059	S	68.647	W	10	G		0.9	13	MENDOZA PROVINCE, ARGENT:NA
	06	01	39	31.8	44.321	N	6.729	E	10	G		0.3	19	FRANCE. ML 2.6 (LDG), 2.5 (GEN).
	06	02	53	46.3	23.610	N	121.894	E	64		4.8	0.7	19	TAIWAN
	06	03	01	41.5	44.045	N	8.326	E	10	G		0.5	8	NORTHERN ITALY. ML 2.2 (LDG), 1.8 (GEN).
	06	03	04	38.1&	58.242	N	142.768	W	10	G			28	GULF OF ALASKA. <AGS-P>.
	06	03	35	27.1*	17.146	N	120.592	E	33	N	4.6 4.0	1.4	15	LUZON, PHILIPPINE ISLANDS
	06	04	04	05.3%	42.511	N	13.195	E	10	G		0.6	5	CENTRAL ITALY
	06	05	08	55.2?	17.19	S	67.49	E	10	G	4.5	1.3	7	MID-INDIAN RISE
	06	05	11	41.8?	39.72	N	29.61	E	10	G		0.4	6	TURKEY
	06	05	12	51.8%	32.936	S	71.096	W	33	N		1.2	7	NEAR COAST OF CENTRAL CHILE
	06	05	19	06.6	45.540	N	6.762	E	10			0.2	13	FRANCE. ML 2.7 (LDG), 2.4 (GEN).
	06	05	24	31.0*	27.197	N	110.560	W	10	G	4.1	0.9	15	GULF OF CALIFORNIA
	06	06	13	04.9&	59.917	N	152.239	W	88				28	SOUTHERN ALASKA. <AGS-P>.
	06	06	44	10.5	43.187	N	3.477	W	10	G		0.9	21	SPAIN ML 3.2 (LDG). mbLg 3.2 (MDD).

	06	07 07 22.9?	13.04	N	88.86	W	33	N			0.2	6	EL SALVADOR. Felt (II) at San Salvador.
	06	08 14 11.7%	39.424	N	15.812	E	10	G			0.6	6	SOUTHERN ITALY
	06	08 37 41.5?	32.09	N	141.56	E	33	N	4.5		1.2	6	SOUTH OF HONSHU, JAPAN
	06	09 06 12.4&	61.863	N	149.999	W	36					25	SOUTHERN ALASKA. <AGS-P>.
	06	09 18 06.7%	39.247	N	27.753	E	10	G			0.4	5	TURKEY
	06	11 35 04.8?	31.92	S	69.77	W	177	?			0.6	9	SAN JUAN PROVINCE, ARGENTINA
	06	12 41 19.8&	38.770	N	122.937	W	5	G				8	NORTHERN CALIFORNIA. <BRK>. ML 2.8 (BRK).
	06	14 27 00.4	12.910	N	88.906	W	64		5.0		1.3	31	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.
	06	15 58 05.2*	44.075	N	16.390	E	33	N			1.4	8	YUGOSLAVIA. MD 2.9 (TRI). ML 2.3 (LJU). Felt (IV) in the Knin area.
	06	16 20 11.0*	2.629	S	133.971	E	33	N	4 8	4.5	1.4	17	WEST IRIAN REGION
	06	17 05 39.4	44.538	N	6.950	E	10	G			0.4	14	FRANCE. ML 2.4 (LDG).
	06	19 03 19.7?	24.11	N	127.12	E	50	G	4.5		1.1	15	RYUKYU ISLANDS REGION
	06	19 28 20.4	44.015	N	7.188	E	10	G			0.5	9	NORTHERN ITALY. ML 2.1 (LDG).
	06	19 36 22.7%	40.811	N	28.316	E	10	G			0.5	5	TURKEY
	06	19 51 26.8*	6.717	S	124.829	E	590	?	4.6		0.6	12	BANDA SEA
	06	21 24 42.2*	15.237	N	61.285	W	131	*			0.6	17	LEEWARD ISLANDS
	06	21 32 23.9*	26.638	S	67.937	E	10	G	5.1		1.1	30	SOUTH INDIAN OCEAN
	06	21 58 44.6?	0.31	S	79.71	W	10	G			0.8	7	ECUADOR
	06	22 31 05.8*	12.122	N	93.874	E	33	N	4.3		1.4	10	ANDAMAN ISLANDS REGION
a	07	00 12 26.2	5.443	N	31.686	E	10	G	5.2	5.2	1.0	171	SUDAN
	07	01 00 09.1*	33.146	S	71.019	W	10	G			1.2	9	NEAR COAST OF CENTRAL CHILE
	07	02 38 57.4?	16.45	N	120.83	E	10	G	4.7		1.3	6	LUZON, PHILIPPINE ISLANDS
	07	05 25 11.9&	36.837	N	121.433	W	10					12	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	07	05 50 40.7%	44.215	N	8.607	E	10	G			0.3	7	NORTHERN ITALY. ML 2.0 (GEN).
	07	05 59 07.0*	33.414	S	71.888	W	10	G			0.8	14	NEAR COAST OF CENTRAL CHILE
	07	06 30 11.4%	60 571	N	5.049	E	10	G			0.4	8	SOUTHERN NORWAY. MD 1.5 (BER).
	07	07 24 11.7&	61.744	N	149.743	W	37					30	SOUTHERN ALASKA. <AGS-P>.
	07	07 49 37.7%	10.925	N	61.523	W	33	N			0.4	6	TRINIDAD. MD 3.4 (TRN).
	07	08 05 38.0	29.960	S	72.022	W	10	G			1.1	21	OFF COAST OF CENTRAL CHILE. Felt (III) at La Serena and Coquimbo.
	07	08 11 10.8?	44.26	N	8.57	E	10	G			0.5	4	NORTHERN ITALY. ML 2.3 (GEN).
	07	08 21 58.2?	56.32	S	140.77	W	10	G	4.9	4.6	1.0	11	SOUTH PACIFIC CORDILLERA
	07	08 32 24.8	40.005	N	15.140	E	32		3.4		1.4	23	SOUTHERN ITALY
	07	09 49 23.6&	59.315	N	152.973	W	83					35	SOUTHERN ALASKA. <AGS-P>.
	07	09 57 39.1%	43.647	N	6.984	E	10	G			0.1	5	NEAR SOUTH COAST OF FRANCE. ML 2.4 (FDF).
	07	10 03 09.4	48.303	N	7.503	E	10	G			0.2	6	FRANCE. ML 2.6 (LDG).
	07	10 10 27.8?	21.68	N	142.94	E	327	*	4.5		0.8	31	MARIANA ISLANDS REGION
	07	10 23 19.7%	35.503	N	26.100	E	10	G			1.3	6	CRETE. MD 3.5 (ATH).
o	07	11 34 35.5	31 071	S	178.397	W	10	G	5.5	5.3	1.0	126	KERMADEC ISLANDS REGION. Ms 4.8 (BRK).
	07	11 57 16.9?	14.27	N	60.70	W	70	G			0.5	6	WINDWARD ISLANDS
	07	12 32 18.6?	4.13	S	135.36	E	33	N	4.6		1.2	11	WEST IRIAN REGION
	07	12 50 33.9%	44.365	N	7.380	E	10	G			0.7	7	NORTHERN ITALY ML 2.0 (GEN).
	07	13 03 12.9%	44.341	N	8.205	E	10	G			0.3	7	NORTHERN ITALY. ML 2.1 (GEN).
	07	13 07 42.9	36.298	N	27.196	E	10	G			1.1	7	DODECANESE ISLANDS. MD 3.7 (ATH).
	07	13 14 46.7	44.834	N	111.781	W	5	G			1.1	9	HEBGEN LAKE REGION. ML 3.0 (BUT).
	07	13 23 28.4*	36.378	N	27.221	E	10	G			1.2	7	DODECANESE ISLANDS. MD 3.8 (ATH).
	07	14 17 19.6?	14.14	S	118.31	E	10	G	4.1		1.1	7	NORTHWEST OF AUSTRALIA
	07	14 39 17.4?	30.87	S	69.18	W	159	?			0.8	13	CHILE-ARGENTINA BORDER REGION
	07	14 58 41.1%	60.654	N	5.874	E	10	G			0.5	6	SOUTHERN NORWAY. MD 1.3 (BER).
	07	15 01 07.6%	44.185	N	8.178	E	10	G			0.5	6	NORTHERN ITALY. ML 1.9 (GEN).
	07	15 20 28.8&	61.248	N	141.638	W	0					40	SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR).
	07	15 28 53.4%	61.316	N	5.734	E	10	G			1.3	5	SOUTHERN NORWAY. MD 1.6 (BER).
o	07	16 09 19.6	24.260	S	66.957	W	161		5.5		1.1	151	SALTA PROVINCE, ARGENTINA. Felt (IV) at Taltal and (III) at Mejillones, Chile.
	07	16 22 04.4&	62.111	N	150.874	W	64					39	CENTRAL ALASKA. <AGS-P>.
	07	17 06 44.1?	16.28	N	60.62	W	29	*			0.1	7	LEEWARD ISLANDS. ML 2.9 (FDF).
	07	17 36 35.8*	4.420	S	147.631	E	33	N	4.9	4.7	1.1	18	BISMARCK SEA
o	07	18 05 26.0	1.078	S	124.582	E	59		5.5		1.2	137	MOLUCCA SEA
	07	18 42 27.6%	60.017	N	4.699	E	10	G			0.3	8	SOUTHERN NORWAY MD 2.1 (BER).
	07	19 06 34.4*	0.789	N	123.788	E	188	?	4.7		0.8	20	MINAHASSA PENINSULA
	07	22 16 11.4?	35.82	S	178.84	E	135	?	4.7		0.8	8	OFF E. COAST OF N ISLAND, N.Z.
	07	22 36 05.4*	38.885	N	14.860	E	10	G			1.3	6	SICILY
	07	22 47 02.5&	61.524	N	150.636	W	56					35	SOUTHERN ALASKA. <AGS-P>.
	07	23 17 23.4*	18.504	S	167.758	E	10	G	4.7	4.6	1.1	16	VANUATU ISLANDS
	07	23 22 28.2*	38.979	N	31.195	E	10	G			0.8	8	TURKEY
	07	23 29 26.1&	36.563	N	121.190	W	7					15	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	08	00 03 57.4	38.061	N	83.731	W	5	G			0.5	9	KENTUCKY. mbLg 3.3 (BLA). Felt (V) at Salt Lick and Stanton. Felt (III) at Flemingsburg, Hillsboro, Jeffersonville, Mount Sterling, Owingsville, Preston and Shorpsburg.
	08	00 33 58.3*	31.628	S	72.769	W	30				1.5	19	OFF COAST OF CENTRAL CHILE
	08	01 42 24.8?	35.62	S	178.26	E	94	*	4.6		0.6	8	OFF E. COAST OF N. ISLAND, N.Z.
	08	02 28 10.8?	35.32	S	178.73	E	60	?	4 9	4.6	1.5	12	OFF E. COAST OF N. ISLAND, N.Z.
	08	02 58 11.4*	7.510	S	73.284	W	10	G			1.3	10	PERU-BRAZIL BORDER REGION
	08	03 00 25.4&	58.445	N	137.344	W	8					5	SOUTHEASTERN ALASKA. <AGS-P>.
	08	03 14 24.7*	7.701	S	128.044	E	125	?	4.2		1.4	11	BANDA SEA
	08	04 11 01.9?	5.88	S	77.07	W	10	G	4.7		1.2	8	NORTHERN PERU
	08	04 55 13.0?	35.16	N	22.74	E	33	N			0.7	6	MEDITERRANEAN SEA. MD 3.4 (ATH).
	08	05 05 09.1?	50.34	N	18.86	E	10	G			0.8	5	POLAND. ML 3.2 (KRA).
	08	05 15 09.9?	39.28	N	27.42	E	33	N			1.3	10	TURKEY
	08	05 29 27.6&	57.300	N	142.925	W	10	G				5	GULF OF ALASKA. <AGS-P>.
	08	05 29 42.4?	35.13	S	178.30	E	10	G	4.7	4.0	1.0	10	OFF E. COAST OF N. ISLAND, N.Z.
	08	06 47 27.1	32.396	S	69.505	W	114	*			0.8	18	MENDOZA PROVINCE, ARGENTINA
	08	08 31 22.7	43.827	N	7.406	E	10	G			0.9	25	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG), 2.5 (GEN).
	08	08 59 15.5	4.112	N	94.492	E	58	?	4.5	4.0	1.0	17	OFF W COAST OF NORTHERN SUMATERA
	08	09 51 49.5*	13.964	S	14.402	W	10	G	4 8		0.7	21	SOUTH ATLANTIC RIDGE
	08	09 56 30.8*	0.037	S	123.064	E	246	?	4.7		1.4	24	MINAHASSA PENINSULA
	08	10 53 17.5	39.798	N	70.987	E	33	N	4.4		0.5	16	TAJIK SSR. Felt (III) at Fergana and Kokand.
	08	11 37 42.3?	32.02	S	71.60	W	10	G			1.0	6	NEAR COAST OF CENTRAL CHILE
	08	11 39 19.8*	13.972	S	14.506	W	10	G	5.0	4.0	0.9	45	SOUTH ATLANTIC RIDGE
	08	12 11 23.7	6.788	S	106.178	E	116	*	5.1		1.2	69	JAVA

	08	12	48	22.3&	36.665	N	121 335	W	8				20	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Mo=2.3•10••15 Nm (BRK).
	08	12	52	02.8&	36.667	N	121 338	W	5				20	CENTRAL CALIFORNIA <BRK>. ML 3.6 (BRK). Mo=8.0•10••14 Nm (BRK).
	08	13	05	46.4&	36.668	N	121.347	W	4				14	CENTRAL CALIFORNIA <BRK>. ML 2.6 (BRK).
	08	13	28	52.9	37.731	N	69.700	E	36 D	4.5	4.1	1.0	25	AFGHANISTAN-USSR BORDER REGION. Felt (IV) at Kulyob, USSR.
	08	14	08	01.5%	59.938	N	7.183	E	10 G			0.4	6	SOUTHERN NORWAY. MD 1.4 (BER).
	08	14	20	17.9&	36.667	N	121.335	W	4				20	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=1.0•10••15 Nm (BRK). Felt (IV) at Cormel Valley, (III) at Aromas and Hollister and (II) at San Juan Bautista.
	08	15	07	23.4•	45.356	N	14.312	E	10 G			0.9	6	YUGOSLAVIA. MD 2.8 (LJU), 2.5 (TRI).
	08	15	25	53.8?	6.88	S	107.01	E	169 ?	4.2		0.7	9	JAVA
	08	15	50	30.8	37.885	N	14.730	E	10 G			1.3	6	SICILY
	08	16	04	43.0	18.542	N	69.061	W	131 •	4.6		0.9	33	DOMINICAN REPUBLIC REGION
	08	16	11	40.0•	7.459	S	130.233	E	159 •	4.3		1.3	10	TANIMBAR ISLANDS REGION
	08	18	02	51.7	36.444	N	26.938	E	141 •			0.4	12	DODECANESE ISLANDS. MD 4.3 (HLW).
o	08	18	46	29.8	7.338	S	155.892	E	30 D	5.4	5.0	0.8	97	SOLOMON ISLANDS
	08	18	49	02.3	7.061	S	156.143	E	21 D	5.2		1.0	39	SOLOMON ISLANDS
o	08	18	51	45.2	24.449	S	177.227	W	132 D	5.4		1.0	128	SOUTH OF FIJI ISLANDS
	08	18	52	30.1•	7.294	S	156.197	E	33 N	4.9	4.8	1.0	28	SOLOMON ISLANDS
a	08	19	33	18.8	27.500	N	66.092	E	28 •	5.5	5.1	1.0	262	PAKISTAN
	08	20	21	48.3•	57.888	S	25.434	W	33 N	5.1	4.7	1.0	24	SOUTH SANDWICH ISLANDS REGION
a	08	20	31	57.7	20.548	S	174.173	W	33 N	5.6	5.7	1.0	234	TONGA ISLANDS. Ms 5.5 (BRK). Mo=1.8•10••18 Nm (PPT).
	08	21	01	43.8	37.182	N	29.615	E	24	4.7		1.0	23	TURKEY
	08	21	38	42.4•	24.779	N	122.708	E	33 N	4.7		0.7	8	TAIWAN REGION
	08	21	47	05.5•	27.760	N	66.543	E	65 ?	4.3		1.2	12	PAKISTAN
	08	22	32	14.0&	32.140	N	117 700	W	6 G				8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	09	00	08	48.6•	19.956	S	69.372	W	138 •			1.4	11	NORTHERN CHILE
	09	00	16	52.5	56.446	N	34.351	W	10 G	4.9	4.4	0.9	49	NORTH ATLANTIC OCEAN
	09	00	22	58.2•	22.395	S	69.322	W	156 ?			1.3	11	NORTHERN CHILE
	09	00	30	08.7•	56.215	N	34.431	W	10 G	5.0	4.6	1 2	58	NORTH ATLANTIC OCEAN
	09	01	23	36.2?	32.23	S	71.46	W	91 ?			1.3	12	NEAR COAST OF CENTRAL CHILE
	09	01	59	27.0%	0.275	S	78.048	W	10 G			1.0	6	ECUADOR
o	09	02	14	51.0	56.654	N	34.395	W	10 G	5.4	5.2	1.0	211	NORTH ATLANTIC OCEAN. Ms 5.4 (BRK).
	09	02	39	48.3	15.354	N	45.392	W	10 G	4.7	4.2	0.8	30	NORTH ATLANTIC RIDGE
	09	02	42	30.8	33.573	S	178.799	W	33 N	5.1		1.2	34	SOUTH OF KERMADEC ISLANDS
o	09	02	50	26.6	28.032	N	139.316	E	533	5.0		1 1	125	BONIN ISLANDS REGION
	09	02	55	30.9&	61.999	N	149.488	W	43				20	SOUTHERN ALASKA. <AGS-P>.
	09	02	56	18.3&	36.663	N	121.323	W	5				17	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	09	03	16	49.8•	2.891	N	99.012	E	185 •	4.8		1.2	28	NORTHERN SUMATERA
	09	03	34	17.2&	62.198	N	151.038	W	72				38	CENTRAL ALASKA. <AGS-P>.
	09	03	45	03.2•	0.505	N	126.124	E	33 N	4.5		0.7	10	MOLUCCA PASSAGE
	09	04	03	23.8	16.198	N	61.569	W	10 G			0.7	7	LEEWARD ISLANDS. ML 2.5 (FDF).
	09	04	39	42.5	21.519	S	68.661	W	119 D	4.9		1.3	72	CHILE-BOLIVIA BORDER REGION
	09	04	52	52.5	47.117	N	152.254	E	116 D	4.9		0.7	127	KURIL ISLANDS
	09	05	03	11.0%	44.506	N	7.318	E	10 G			0.2	6	NORTHERN ITALY. ML 2.0 (GEN).
o	09	05	35	45.9	5.178	S	151.729	E	74	5.8		0.8	277	NEW BRITAIN REGION Ms 6.1 (BRK). Mo=9.0•10••17 Nm (PPT).
	09	06	01	29.5%	43.992	N	8.379	E	10 G			0.2	5	CORSICA. ML 1.9 (GEN).
	09	06	24	57.5	56.509	N	34.423	W	10 G	5.2	5.0	0.9	119	NORTH ATLANTIC OCEAN
	09	06	35	22.5	56.364	N	34.454	W	10 G	5.0	5.2	1.2	103	NORTH ATLANTIC OCEAN
	09	07	08	58.4	35.377	N	23.589	E	19	4.9		1.3	23	CRETE. MD 3.9 (ATH).
	09	07	21	05.6	14.619	N	146.684	E	48 •	5.2	4.8	1.2	92	MARIANA ISLANDS
	09	07	26	52.6&	40 513	N	124.895	W	6				5	NEAR COAST OF NORTHERN CALIF. <BRK> ML 2.6 (BRK).
	09	08	34	44.8?	35.78	S	70.02	W	33 N			0.8	13	CHILE-ARGENTINA BORDER REGION
	09	08	37	58.0•	36 770	N	71.394	E	190 ?	4.6		1.3	12	AFGHANISTAN-USSR BORDER REGION
	09	09	24	03.7•	36.322	N	70.753	E	219 ?	4.0		1.2	15	HINDU KUSH REGION
	09	10	45	25.4%	32.783	S	68.934	W	10 G			0.4	5	MENDOZA PROVINCE, ARGENTINA
	09	11	07	10.5•	6.213	N	82 506	W	10 G	4.3	4.6	1.1	15	SOUTH OF PANAMA. MD 4.5 (UPA).
	09	12	02	04.6•	56.176	N	34.521	W	10 G	4.5	3.5	1.1	24	NORTH ATLANTIC OCEAN
	09	12	11	42 3?	16 32	N	98.06	W	33 N	3.6		1.5	7	NEAR COAST OF GUERRERO, MEXICO
	09	12	27	20.1	54 504	N	168.611	E	33 N	4.6	4.5	1.3	45	KOMANDORSKY ISLANDS REGION
	09	12	34	48.9	56 500	N	34.426	W	10 G	4.9	4.7	1 0	111	NORTH ATLANTIC OCEAN
	09	12	57	59.3	38.748	N	26 658	E	10 G			0.5	11	AEGEAN SEA. ML 3.5 (ATH).
	09	14	35	34.7%	36.429	N	27.245	E	10 G			1.0	6	DODECANESE ISLANDS. MD 3.9 (ATH).
	09	17	07	07.8%	41.710	N	13.203	E	10 G			0.8	8	SOUTHERN ITALY
	09	18	27	34.4&	40.268	N	123.475	W	13				5	NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK).
	09	18	30	42.9?	25.86	N	96.14	E	33 N			1.3	8	BURMA
	09	19	00	39.2	39.896	N	24.039	E	14	4.2		1.3	120	AEGEAN SEA. ML 4.5 (ATH), 4.0 (TTG). mbLg 3.9 (HLW). Felt in Kholkidhiki, Thessaloniki and Pieria Provinces, Greece.
	09	19	25	08.4?	44.44	N	12.75	E	10 G			0.4	6	NORTHERN ITALY
	09	19	51	35.9?	30.82	S	71.84	W	33 N			0 4	12	NEAR COAST OF CENTRAL CHILE
	09	19	53	30.0?	42 55	N	19.15	E	25 G			0.1	4	YUGOSLAVIA. ML 2.1 (TTG).
	09	20	16	39.6?	39.95	N	24.02	E	10 G			1.4	9	AEGEAN SEA
	09	20	40	30.5&	37.022	N	121.520	W	11				15	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	09	21	38	52.0?	16.56	N	120.20	E	10 G	4.1		1.0	6	LUZON, PHILIPPINE ISLANDS
	09	22	24	54.2?	39.77	N	24 03	E	10 G			1.2	8	AEGEAN SEA. MD 3.2 (ATH).
o	09	22	29	27.4	1.126	N	123.006	E	34 D	5.5	5.1	1.3	100	MINAHASSA PENINSULA
	09	22	33	42.8	40.005	N	23.961	E	10 G			1.1	12	GREECE. MD 3.2 (ATH).
	09	23	46	38.2	39.055	N	22.367	E	5 G			1.3	16	GREECE. ML 3.0 (ATH).
	10	00	00	07.7%	33.893	S	71.446	W	33 N			0.3	9	NEAR COAST OF CENTRAL CHILE
	10	00	01	49.1	41.745	N	13.496	E	10 G			0.6	7	SOUTHERN ITALY
	10	00	11	34.5	41.610	N	12.715	E	10 G			1 3	18	SOUTHERN ITALY
	10	00	13	55.7?	20.72	S	174.30	W	33 N	4.9	4.7	1.5	18	TONGA ISLANDS
	10	01	43	14 3&	36.870	N	121.642	W	6				18	CENTRAL CALIFORNIA <BRK>. ML 3.5 (BRK). Mo=6.4•10••14 Nm (BRK). Felt (IV) at Aromas and (III) at Aptos, Castroville, Robertsville, Santa Cruz and San Juan Bautista. Also felt at Hollister.
	10	02	44	31.5•	41.260	N	21.044	E	10 G			1.5	7	YUGOSLAVIA. ML 2.5 (TTG), 2.5 (SKO).
	10	03	05	24.6•	36.727	N	70.362	E	33 N	4.3	4.1	1.4	18	HINDU KUSH REGION
a	10	03	51	24.0	46.577	N	155.467	E	23 D	5.3	4.6	0.8	181	KURIL ISLANDS REGION

	10	05	25	21 4	3.853	N	73.945	W	31		4.4	1.1	26	COLOMBIA Felt at Villavicencio.
	10	06	53	04.5&	35 977	N	120.580	W	4				15	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	10	06	56	40.3&	40.495	N	125.268	W	5				4	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK).
	10	07	02	17.6?	16.44	N	120.39	E	10	G		1.5	5	LUZON, PHILIPPINE ISLANDS
	10	07	16	11.1*	44.318	N	7 584	E	10	G		0 9	8	NORTHERN ITALY. ML 2.6 (LDG).
	10	07	28	59.4%	42.275	N	19.552	E	10	G		0.4	6	YUGOSLAVIA. ML 2.4 (TTG).
a	10	07	30	07.6	52.301	N	178.692	W	143	D	5.2	1.0	125	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (IV) on Adak.
	10	08	27	31.1	16.430	N	120.069	E	10	G	5.0 4.8	1.4	52	LUZON, PHILIPPINE ISLANDS
	10	08	28	35.8	45.842	N	26.611	E	111		3.4	1.0	30	ROMANIA. Felt (III) in the Vrancea region.
	10	09	20	28.9*	12.030	N	59.467	W	33	N		0.5	15	WINDWARD ISLANDS. MD 3.7 (TRN).
	10	09	27	47.5&	38.802	N	122.782	W	3				14	NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=4.2*10**14 Nm (BRK).
	10	09	45	10.5	46.779	N	2.026	W	13			0.6	16	BAY OF BISCAY. ML 3.3 (LDG).
	10	10	06	28.4&	60.115	N	153.565	W	161				51	SOUTHERN ALASKA. <AGS-P>.
	10	10	08	33.4*	24.937	N	125.180	E	33	N	4.3	1.3	13	SOUTHWESTERN RYUKYU ISLANDS
	10	11	40	23.8?	41.75	N	22.58	E	10	G		0.7	5	YUGOSLAVIA
	10	11	50	16.1*	31.866	S	72.191	W	84	?	4.4	1.3	21	OFF COAST OF CENTRAL CHILE
	10	12	00	33.7?	29.70	S	176.47	W	85	?	4.8	1.0	13	KERMADEC ISLANDS REGION
	10	12	17	36.6	70.770	N	13.803	W	10	G	5.0 4.3	0.8	134	JAN MAYEN ISLAND REGION
	10	12	42	51.4	35.703	N	142.137	E	13		4.9 4.6	1.3	48	OFF EAST COAST OF HONSHU, JAPAN
	10	13	55	03.7	16.217	N	120.258	E	20	*	4.9 4.4	1.4	27	LUZON, PHILIPPINE ISLANDS
	10	14	01	06.9%	59.972	N	4.877	E	10	G		0.3	9	SOUTHERN NORWAY. MD 2.0 (BER).
	10	14	04	30.7*	0.008	N	80.558	W	10	G		0.8	12	NEAR COAST OF ECUADOR
	10	14	48	17.9*	24.050	N	95.416	E	74	?	4.3	1.2	10	BURMA
	10	15	40	14.6*	42.907	N	17.867	E	1	G		0.4	5	ADRIATIC SEA. ML 2.5 (TTG).
	10	15	45	25.5	16.669	N	99.067	W	41	*	4.6	1.2	29	NEAR COAST OF GUERRERO, MEXICO. Felt at Acapulco.
	10	15	57	42.7&	60.324	N	152.202	W	81				33	SOUTHERN ALASKA. <AGS-P>.
	10	17	11	16.9*	5.426	S	151.709	E	56	*	4.5	0.6	12	NEW BRITAIN REGION
	10	17	32	28.9*	15.308	S	73.318	W	33	N		0.8	9	SOUTHERN PERU
	10	18	12	39.4%	44.473	N	7.269	E	10	G		0.1	6	NORTHERN ITALY. ML 1.9 (GEN).
	10	18	28	09.3	42.279	N	25.506	E	10	G		1.0	9	BULGARIA. MD 2.9 (ATH).
	10	18	30	47.4	16.224	N	120.396	E	33	N	4.7 4.0	1.4	19	LUZON, PHILIPPINE ISLANDS
	10	18	38	04.8	43.276	N	20.866	E	10	G		1.3	10	YUGOSLAVIA. ML 2.3 (TTG).
	10	19	13	05.2&	40.307	N	124.630	W	7				10	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	10	20	57	42.8%	46.441	N	2.028	E	10	G		0.3	9	FRANCE. ML 1.7 (LDG).
	10	21	28	01.5	43.241	N	20.962	E	10	G		1.3	14	YUGOSLAVIA. ML 2.8 (TTG).
	10	21	34	21.2&	59.165	N	153.546	W	93				24	SOUTHERN ALASKA. <AGS-P>.
	10	21	36	18.2	44.720	N	10.513	E	10	G		0.5	7	NORTHERN ITALY. ML 2.5 (VIE).
	10	21	58	45.8%	40.836	N	14.504	E	10	G		0.7	5	SOUTHERN ITALY
	10	23	26	04.2	4.528	N	62.370	E	10	G	4.8 4.0	1.0	36	CARLSBERG RIDGE
	11	00	28	41.9	37.038	N	23.759	E	139	*		1.3	21	SOUTHERN GREECE
	11	01	46	06.9*	17.909	S	178.718	W	600	G	5.0	0.7	35	FIJI ISLANDS REGION
	11	02	12	04.6*	32.569	S	69.096	W	33	N		1.4	9	MENDOZA PROVINCE, ARGENTINA
	11	03	09	33.5&	60.187	N	140.883	W	18				13	SOUTHEASTERN ALASKA <AGS-P>.
	11	03	30	26.5&	36.125	N	120.669	W	8				16	CENTRAL CALIFORNIA. <GS>. ML 3.1 (BRK).
	11	03	38	11.3*	39.946	N	24.211	E	33	N		1.4	8	AEGEAN SEA. ML 3.3 (ATH).
	11	03	52	08.2?	15.94	N	120.15	E	33	N	3.9	1.1	4	LUZON, PHILIPPINE ISLANDS
	11	04	09	43.2&	47.185	N	123.102	W	18				66	WASHINGTON. <SEA>. CL 3.0 (SEA).
	11	04	13	29.7	44.884	N	6.699	E	10	G		0.8	10	FRANCE. ML 2.3 (LDG), 1.9 (GEN).
	11	04	29	58.2*	36.351	N	27.203	E	10	G		1.6	6	DODECANESE ISLANDS. MD 3.7 (ATH).
	11	05	13	27.0	46.916	N	8.288	E	10	G		1.1	12	SWITZERLAND. ML 2.8 (VIE), 2.7 (LDG).
	11	05	19	46.7*	70.992	N	13.276	W	10	G	4.4	1.3	18	JAN MAYEN ISLAND REGION
	11	05	20	45.2	6.885	S	126.705	E	439	*	4.8	0.8	20	BANDA SEA
	11	06	09	29.5	43.225	N	20.913	E	10	G		1.3	15	YUGOSLAVIA. ML 2.8 (TTG).
	11	07	13	31.6&	36.657	N	121.317	W	9				24	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=1.6*10**15 Nm (BRK). Felt (V) at Soledad.
	11	07	58	12.1?	1.22	N	123.98	E	33	N	4.3	1.2	6	MINAHASSA PENINSULA
	11	08	08	36.6*	6.952	N	77.994	W	33	D	4.6	1.5	16	NEAR WEST COAST OF COLOMBIA. MD 4.7 (UPA).
	11	08	15	14 1&	58.253	N	143.152	W	10	G			18	GULF OF ALASKA. <AGS-P>.
	11	08	15	39.1&	60 667	N	151.897	W	91		4.1		64	KENAI PENINSULA, ALASKA. <AGS-P>. Felt (IV) at Homer ond (III) at Ninilchik.
	11	08	19	46.6	37.750	N	142.311	E	33		4.4	1.1	18	OFF EAST COAST OF HONSHU, JAPAN
	11	08	48	30.9?	17.17	N	61.72	W	39	?		0.1	7	LEEWARD ISLANDS ML 3.1 (FDF).
	11	12	29	02.0?	2.99	N	99.31	E	33	N		0.6	4	NORTHERN SUMATERA
	11	13	22	50.2?	41.70	N	13.87	E	10	G		0.4	4	SOUTHERN ITALY
	11	13	30	34.7%	18.059	N	99.927	W	33	N		0.4	5	GUERRERO, MEXICO. Felt at Mexico City.
	11	13	56	48.3?	24.99	S	179.98	W	558	?	4.8	0.4	8	SOUTH OF FIJI ISLANDS
a	11	14	09	02.5	22.692	N	120.909	E	33		5.8 5.6	1.0	295	TAIWAN. Felt in central Taiwan. Complex event, observed on broadband displacement seismograms.
	11	15	26	10.7*	3.528	S	101.638	E	65	*	5.1	0.8	24	SOUTHERN SUMATERA
	11	15	50	35.0?	16.10	N	61.52	W	10	G		0.2	4	LEEWARD ISLANDS. ML 1.7 (FDF).
	11	15	55	43.1?	31.39	S	69.14	W	125	?		1.1	12	SAN JUAN PROVINCE, ARGENTINA
	11	17	11	13.7&	60.298	N	152.952	W	127				46	SOUTHERN ALASKA. <AGS-P>.
	11	17	15	22.7	71.658	N	2.540	W	10	G	4.7 4.1	1.3	92	JAN MAYEN ISLAND REGION. MD 3.8 (BER).
	11	17	32	34.6%	22.924	N	120.868	E	10	G		0.2	5	TAIWAN
	11	18	08	07.1?	34.30	S	70.92	W	80	G		0.2	8	CHILE-ARGENTINA BORDER REGION
	11	18	11	37.7?	23.34	S	179.77	W	500	G	4.3	1.0	9	SOUTH OF FIJI ISLANDS
	11	19	20	27.9*	11.210	N	141.226	E	33	N	4.2	0.9	7	WEST CAROLINE ISLANDS
	11	20	29	23.6*	36.882	N	29.381	E	10	G		0.9	5	TURKEY
	11	21	07	24.0?	75.38	N	12.26	E	10	G	4.5	1.3	11	SVALBARD REGION
	11	22	17	37.2?	39.00	N	21.08	E	10	G		1.7	4	GREECE. MD 3.1 (ATH).
	11	22	20	38.4%	42.007	N	24.239	E	10	G		0.4	7	BULGARIA
	11	22	28	42.9?	31.79	S	71.47	W	80	G		0.9	8	NEAR COAST OF CENTRAL CHILE
	11	22	37	19.5	8.476	S	158.932	E	163	*	4.9	1.0	37	SOLOMON ISLANDS
	11	22	53	08.6?	36 64	N	21.95	E	5	G		1.6	4	SOUTHERN GREECE. ML 3.3 (ATH).
a	12	00	39	24.2	0.478	S	98.315	E	33	N	5.1 5.0	1.3	48	SOUTHERN SUMATERA
	12	00	40	33.8*	36.656	N	21.298	E	33	N	3.7	1.1	9	SOUTHERN GREECE. ML 3.6 (ATH).
	12	00	49	09.1	38.842	N	21.161	E	10	G	3.8	1.5	31	GREECE. ML 3.3 (ATH).
	12	02	09	19.8*	32 988	N	141.162	E	37	?	5.0	1.0	20	SOUTH OF HONSHU, JAPAN
	12	02	35	36.1*	36.701	S	177.164	E	162	*	5.1	1.2	27	OFF E. COAST OF N. ISLAND, N.Z.
	12	02	59	44.0	42.798	N	12.648	E	10	G		0.9	96	CENTRAL ITALY. MD 4.0 (TRI). ML 3.8 (LDG), 3.8 (VIE), 3.7 (TTG).
	12	04	44	06.3	5.216	S	151.950	E	63	*	4.9	1.1	39	NEW BRITAIN REGION

	12	05	00	45	6?	47 80	N	1.29	W	5	G			0.2	5	FRANCE ML 2.1 (LDG).
	12	05	45	42	1?	53.83	N	158.89	E	33	N	4.7		0.5	5	NEAR EAST COAST OF KAMCHATKA
	12	05	51	29.9?		15.77	N	60.64	W	33	N			0.4	4	LEEWARD ISLANDS. ML 2.5 (FDF).
	12	06	06	59.2*		14.819	N	91.479	W	33	N	4.4		1.0	15	GUATEMALA
	12	06	20	33.2?		1.11	N	100.35	E	237	?	4.2		1.2	8	NORTHERN SUMATERA
	12	07	06	59.3%		47.761	N	2.526	W	10	G			0.7	11	FRANCE. ML 3.1 (LDG).
	12	07	47	37.2*		15.355	N	94.093	W	76	*	4.2		1.1	9	NEAR COAST OF OAXACA, MEXICO
	12	08	22	15.0*		36.200	N	31.767	E	95	*	4.1		1.2	14	TURKEY. MD 4.1 (HLW).
	12	08	34	13.6		42.793	N	12.837	E	10	G			0.9	14	CENTRAL ITALY
	12	08	51	40.8?		24.13	S	66.93	W	211	?			1.3	10	SALTA PROVINCE, ARGENTINA
	12	09	10	00.6%		44.674	N	7.238	E	10	G			0.1	7	NORTHERN ITALY. ML 1.9 (GEN).
	12	09	42	27.3		4.306	N	96 460	E	33	N	5.0		0.7	11	NORTHERN SUMATERA
	12	09	52	11.6		42.793	N	12.783	E	10	G			1.0	10	CENTRAL ITALY
	12	10	18	22.6?		56.32	N	158.41	E	92	D	4.3		1.1	21	KAMCHATKA
a	12	10	21	49.3		6.355	N	126.379	E	90		5.6		1.1	110	MINDANAO, PHILIPPINE ISLANDS
	12	10	50	23.5?		30.23	S	116.71	E	10	G			0.6	4	WESTERN AUSTRALIA
	12	11	33	25.4?		37.76	N	6.25	W	10	G			0.6	4	SPAIN. mbLg 2.3 (MDD).
	12	11	53	41.6%		37.906	N	14.401	E	10	G			1.0	6	SICILY
	12	12	05	34.4%		18.694	S	122.937	E	10	G			1.4	8	WESTERN AUSTRALIA
	12	12	48	03.4?		30.55	S	116.77	E	10	G			0.8	4	WESTERN AUSTRALIA
	12	13	40	14.3?		16.22	N	119.40	E	33	N			0.1	4	LUZON, PHILIPPINE ISLANDS
	12	14	37	39.3*		6.282	S	148.109	E	78	*	4.6		1.2	23	NEW BRITAIN REGION
a	12	15	28	35.5		15.120	N	59.267	E	10	G	5.5	4.7	1.1	204	ARABIAN SEA
	12	16	09	36.5%		0.062	S	78.391	W	10	G			0.7	7	ECUADOR
	12	17	05	40.8?		27.85	N	17.96	W	33	N			0.5	4	CANARY ISLANDS REGION. mbLg 3.3 (MDD).
	12	17	39	25.6		45.001	N	9.416	E	10	G			1.0	44	NORTHERN ITALY. ML 3.0 (LDG), 3.0 (VIE), 2.9 (GEN).
	12	18	07	29.4		14.607	N	123.343	E	72	*	4.9		1.0	18	LUZON, PHILIPPINE ISLANDS
	12	18	23	44.1		41.280	N	20.923	E	5	G			1.0	16	ALBANIA. ML 3.3 (SKO), 3.0 (TTG). MD 3.3 (ATH).
	12	19	25	57.3?		15.29	N	61.38	W	162	?			0.6	11	LEEWARD ISLANDS
	12	19	48	51.7		41.305	N	20.913	E	5	G			1.3	14	ALBANIA. MD 3.2 (ATH). ML 2.9 (SKO), 2.5 (TTG).
	12	19	57	38.4*		32 585	S	72.178	W	33	N			1 4	14	OFF COAST OF CENTRAL CHILE
a	12	20	16	18.9		60.447	S	65.029	W	10	G	5.5	5.2	1.2	79	DRAKE PASSAGE
	12	21	36	37.5%		37.908	N	14.681	E	10	G			1.1	9	SICILY
	12	21	38	57.6		39.701	N	106.206	W	5	G			0.4	17	COLORADO. ML 3.0 (NEIS). Felt (V) at Vail, (IV) at Frisco and Minturn and (III) at Silverthorne. Also felt at Avon, Dillon and Copper Mountain.
	12	22	07	17.1%		43.177	N	19.553	E	10	G			0.2	6	YUGOSLAVIA. ML 2.0 (TTG).
	12	22	10	29.8?		26.72	N	142.02	E	33	N	4.6		0.3	8	BONIN ISLANDS REGION
	12	22	26	06 1?		49.87	N	18.82	E	10	G			1.2	4	CZECHOSLOVAKIA
	12	22	45	14.7		52.635	N	157.693	E	134	D	4.9		0.8	168	KAMCHATKA
	13	00	34	34.2&		60.638	N	152.128	W	77					35	SOUTHERN ALASKA. <AGS-P>.
	13	00	44	01.5		49.046	N	127.531	W	10	G	4.2		1.1	37	VANCOUVER ISLAND REGION
	13	01	13	27.2?		24.45	S	179.90	E	562	?	4.8		1.3	17	SOUTH OF FIJI ISLANDS
a	13	02	58	46.5		33.495	N	140.992	E	51	D	5.4		0.9	252	SOUTH OF HONSHU, JAPAN
	13	03	26	09.7*		13.810	N	90.622	W	33	N	4.0		1.3	17	NEAR COAST OF GUATEMALA
	13	03	47	32.9?		35.41	N	25.49	E	33	N			0.9	4	CRETE. MD 3.6 (ATH).
	13	04	37	24.3*		13.001	N	88.710	W	73	D	4.6		1.4	36	EL SALVADOR. Felt (II) at San Salvador.
	13	07	11	24.6*		6.912	N	78.053	W	32	D	4.5		1.1	19	SOUTH OF PANAMA. MD 4.9 (UPA).
	13	08	12	38.9?		37.19	N	23.76	E	10	G			1.5	4	SOUTHERN GREECE. MD 3.0 (ATH).
	13	09	00	12.2?		44.62	N	9.15	E	5	G			0.2	4	NORTHERN ITALY. ML 1.8 (GEN).
	13	09	33	19.7?		35.46	N	26.48	E	33	N			1.4	4	CRETE
	13	10	04	43.4*		45.665	N	15.575	E	10	G			0.8	6	YUGOSLAVIA. MD 2.5 (LJU).
	13	10	34	08.8?		17.53	N	61.96	W	33	N			0.2	4	LEEWARD ISLANDS. MD 3.5 (TRN).
	13	12	07	45.7*		14.390	N	146.713	E	64	*	4.7		0.9	22	MARIANA ISLANDS
	13	12	10	00.5		31.996	N	34.184	E	10	G			0.9	18	DEAD SEA REGION. ML 3.9 (CSS). MD 3.7 (HLW). Felt (III) in the Herzliyya-Kefar Sava-Tel Aviv area, Israel.
	13	12	10	13.2%		38.664	N	14.497	E	10	G			0.6	6	SICILY
	13	12	13	23.0?		42.74	N	19.15	E	10	G			0.3	4	YUGOSLAVIA. ML 2.0 (TTG).
	13	12	44	31.5%		60.479	N	4.941	E	5	G			0.5	6	SOUTHERN NORWAY. MD 1.2 (BER).
	13	12	54	03.0?		51.23	N	16.05	E	10	G			0.2	4	POLAND
	13	13	00	32.9?		30.53	S	116.79	E	10	G			0.7	4	WESTERN AUSTRALIA
	13	13	12	26.8*		16.540	N	120.954	E	33	N	4.3		0.9	6	LUZON, PHILIPPINE ISLANDS
	13	13	47	16 0		38.027	N	21 615	E	10	G			1.2	13	GREECE. ML 3.3 (ATH).
	13	14	11	11 2?		44.15	N	7.44	E	5	G			0.1	4	NORTHERN ITALY. MD 1.0 (STR).
	13	15	01	00.7*		45.906	N	16.158	E	10	G			1.2	13	YUGOSLAVIA. MD 3.2 (LJU), 2.9 (TRI). ML 2.8 (VIE). Felt (V) at Zagreb.
	13	16	36	53.3?		59.92	N	8.76	E	10	G			0.9	6	SOUTHERN NORWAY. MD 1.8 (BER).
	13	17	08	47.2*		36.540	S	97.690	W	10	G	5.0		1.1	21	WEST CHILE RISE
	13	17	40	29.2		11.003	N	92.426	E	33	N	4.6	4.0	1.0	25	ANDAMAN ISLANDS REGION
	13	19	07	49 1		43.942	N	81.779	E	33	N	4.8		0.8	28	NORTHERN XINJIANG, CHINA
	13	19	12	10.9		43.894	N	11 952	E	10	G			1.1	16	CENTRAL ITALY
	13	19	21	26 3		47.031	N	9.541	E	10	G			1.0	9	GERMANY. ML 2.2 (VIE).
	13	19	28	17.8%		32.397	S	149 142	E	10	G			1.0	7	NEW SOUTH WALES, AUSTRALIA. ML 3.5 (RIV).
	13	19	55	32 0&		65.537	N	144.695	W	41					6	ALASKA. <AGS-P>.
	13	20	05	56.5?		32.50	S	71.70	W	33	N			0.9	8	NEAR COAST OF CENTRAL CHILE
	13	21	18	18.2		47 471	N	7.247	E	10	G			0.7	11	SWITZERLAND. MD 1.8 (STR).
	13	21	44	43.5%		41.889	N	14.070	E	10	G			1.5	8	SOUTHERN ITALY
	13	21	47	03.3%		43.398	N	5.414	E	10	G			0.5	9	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	13	21	57	38.9?		16.18	N	98.59	W	33	N			0.1	4	NEAR COAST OF GUERRERO, MEXICO
	13	22	05	13.4		39 526	N	28.489	E	10	G	4.1		1.1	41	TURKEY. ML 4.2 (ATH).
	13	22	10	07.1		27.161	N	35.125	E	10	G	4.6		1.2	74	WESTERN ARABIAN PENINSULA. MD 4.2 (HLW).
	13	22	15	30.0&		58.373	N	153.655	W	60					13	KODIAK ISLAND REGION. <AGS-P>.
	13	23	28	46.6?		41.84	N	14.08	E	10	G			1.7	4	SOUTHERN ITALY
	14	00	17	27.7%		23.164	N	120.963	E	10	G			0.5	6	TAIWAN
	14	00	35	39.7?		0 88	S	78.32	W	10	G			1.3	5	ECUADOR
	14	01	18	05.1*		27.971	N	139.596	E	500	G	4.6		0.5	14	BONIN ISLANDS REGION
	14	01	18	25.4		52.140	N	168.622	W	33	N	5.1	4.0	0.8	150	FOX ISLANDS, ALEUTIAN ISLANDS
	14	01	21	32.8*		43.363	N	5 428	E	10	G			1.1	17	NEAR SOUTH COAST OF FRANCE. MD 2.7 (STR).
	14	02	01	53.6		52.372	N	168.578	W	33	N	4.8		1.1	78	FOX ISLANDS, ALEUTIAN ISLANDS
	14	02	14	42.9		48.097	N	7.615	E	11				0.6	17	FRANCE. ML 3.0 (LDG). MD 2.6 (STR).
	14	02	37	07.3%		0.626	S	78.375	W	10	G			1.7	5	ECUADOR
	14	02	52	21.8*		71.734	N	2.679	W	10	G	4.8		1.1	5	JAN MAYEN ISLAND REGION
	14	03	11	10.8?		44.41	N	7.33	E	5	G			0.0	4	NORTHERN ITALY. ML 1.9 (GEN).

	14	04	10	30	0%	36.917	N	5.900	W	10	G			1.2	6	STRAIT OF GIBRALTAR mbLg 2.0 (MDD).
	14	06	47	38.5?		1.05	S	78.37	W	10	G			0.2	5	ECUADOR
o	14	07	00	02.6		51.457	N	164.118	W	33	N	5.7	5.0	0.9	292	SOUTH OF ALASKA. Ms 5.1 (BRK)
	14	07	37	27.7*		35.795	N	23.017	E	5	G	4.6		1.5	13	CRETE
	14	07	46	55.9?		32.70	S	68.72	W	100	G			0 1	4	MENDOZA PROVINCE, ARGENTINA
	14	09	11	53.3&		63.476	N	150.924	W	12					26	CENTRAL ALASKA. <AGS-P>.
o	14	09	20	18.9		60.689	S	22.794	W	33	N	5.9	5.5	1.1	130	SOUTH SANDWICH ISLANDS REGION
	14	09	20	24.1&		58.692	N	142.933	W	10	G	3.3			5	GULF OF ALASKA. <AGS-P>.
	14	09	43	47.9		39.137	N	21.974	E	10	G			1.4	16	GREECE. ML 3.3 (ATH).
	14	09	46	17.5%		42.478	N	12.510	E	10	G			0.8	6	CENTRAL ITALY
	14	10	31	44.0&		58.876	N	136.667	W	9					2	SOUTHEASTERN ALASKA. <AGS-P>.
	14	10	43	43.8?		31.33	S	67.92	W	10	G			0.9	4	SAN JUAN PROVINCE, ARGENTINA
	14	12	24	19.5&		62.555	N	149.640	W	64					39	CENTRAL ALASKA. <AGS-P>.
	14	13	09	23.3%		41.864	N	12.613	E	10	G			0.7	5	SOUTHERN ITALY
	14	13	34	41.2?		14.84	N	147.96	E	29	*	4.3		0.9	11	MARIANA ISLANDS REGION
	14	13	37	29.9%		41.915	N	12.694	E	10	G			0.6	5	SOUTHERN ITALY
	14	13	54	57.6?		44.30	N	7.59	E	10	G			0.0	4	NORTHERN ITALY. ML 1.5 (GEN).
	14	14	01	39.0%		44.247	N	7.609	E	10	G			0.5	6	NORTHERN ITALY. ML 1.9 (GEN).
	14	14	03	20.6?		44.30	N	7.62	E	10	G			0.1	4	NORTHERN ITALY. ML 1.4 (GEN).
	14	14	11	41.2%		44.381	N	7.393	E	10	G			0.3	6	NORTHERN ITALY. ML 1.9 (GEN).
	14	14	18	06.8		44.271	N	7.612	E	10	G			0.4	11	NORTHERN ITALY. ML 2.3 (GEN), 2.3 (LDG).
	14	14	23	17.3		40.045	N	23.818	E	10	G			1.2	10	GREECE. MD 2.8 (ATH).
	14	15	07	18.8?		36.71	N	4.37	W	10	G			0.5	4	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
	14	15	22	59.1?		44.30	N	7.58	E	10	G			0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
	14	16	08	54.1?		31.10	S	179.02	W	370	?	4.4		0.9	17	KERMADEC ISLANDS REGION
	14	16	46	57.1*		38.719	N	142.378	E	66	?	4.2		0.6	10	NEAR EAST COAST OF HONSHU, JAPAN
	14	17	38	12.8*		32.749	S	71.720	W	33	N			0.9	14	NEAR COAST OF CENTRAL CHILE
	14	17	43	40.3?		20.68	S	178.63	W	541	?	4.5		1.2	13	FIJI ISLANDS REGION
	14	17	59	26.5*		22.123	S	68.644	W	109	D	4.6		1.4	26	NORTHERN CHILE
	14	17	59	28.5*		36.722	N	71.427	E	74	?	3.9		1.5	9	AFGHANISTAN-USSR BORDER REGION
	14	19	27	08.4?		21.68	S	178.93	W	600	G	4.4		0.9	8	FIJI ISLANDS REGION
	14	20	27	18.1?		21.28	S	178.22	W	580	?	4.5		0.9	12	FIJI ISLANDS REGION
o	14	20	40	18.3		13.382	N	51.456	E	10	G	5.4	4.8	1.0	206	EASTERN GULF OF ADEN
	14	21	02	23.4*		36.275	N	69.924	E	33	N	4.3		1.4	10	HINDU KUSH REGION
	14	22	33	18.5		32.352	S	72.004	W	10	G			0.5	11	OFF COAST OF CENTRAL CHILE
	14	22	57	37.2*		50.403	N	18.903	E	10	G			1.1	5	POLAND. ML 3.1 (KRA), 2.7 (VKA).
	15	00	20	33.5?		15.19	N	148.18	E	33	N	4.3		0.2	5	MARIANA ISLANDS REGION
	15	00	45	07.7*		43.741	N	12.633	E	32	*			0.4	7	CENTRAL ITALY
	15	01	22	37.4		24.851	N	122.075	E	10	G	4.5		1.1	13	TAIWAN REGION
	15	02	33	14.2		37.070	N	20.834	E	42	*	3.9		0.7	22	IONIAN SEA. MD 3.6 (ATH).
	15	02	44	49.2		25.246	N	124.084	E	132	D	4.7		0.8	49	NORTHEAST OF TAIWAN
	15	02	52	47.1*		31.413	S	68.138	W	33	N			1.2	7	SAN JUAN PROVINCE, ARGENTINA
	15	03	04	55.2*		12.073	S	167.620	E	356	*	4.6		1.0	36	SANTA CRUZ ISLANDS
	15	03	11	00.7%		38.151	N	15.891	E	23	*			0.9	7	SICILY
	15	03	11	16.5		4.421	S	144.082	E	113	D	5.3		1.0	83	NEAR N COAST OF PAPUA NEW GUINEA
	15	05	03	59.9*		42.649	N	144.382	E	65	D	4.7		1.1	31	HOKKAIDO, JAPAN REGION
	15	05	20	54.7&		59.918	N	152.128	W	70					24	SOUTHERN ALASKA. <AGS-P>.
	15	05	35	49.0?		41.19	N	15.07	E	33	N			0.8	4	SOUTHERN ITALY
	15	06	11	13.7*		30.448	N	85.460	E	33	N	4.3		1.5	8	TIBET
	15	06	49	59.1?		17.34	N	99 16	W	33	N			0.3	4	GUERRERO, MEXICO. Felt in Guerrero.
	15	07	12	48.4&		58.790	N	148.359	W	27					39	GULF OF ALASKA. <AGS-P>.
	15	07	15	52.3*		2.766	S	139.512	E	33	N	4.9		1.7	6	NEAR N. COAST OF WEST IRIAN
	15	08	15	36.9?		43.89	N	148.24	E	69	?	4.4		1.2	20	KURIL ISLANDS REGION
	15	08	45	55.0		13.764	N	90.686	W	86		4.7		1.1	34	NEAR COAST OF GUATEMALA. Felt (II) at San Salvador, El Salvador.
	15	09	42	18.5?		36.14	N	27.09	E	10	G			1.6	4	DODECANESE ISLANDS
	15	10	10	26.6		32.965	S	70.196	W	120	*			0.7	19	CHILE-ARGENTINA BORDER REGION
	15	10	59	52.0		25.672	S	179.749	E	477	*	4.6		0.9	37	SOUTH OF FIJI ISLANDS
	15	11	12	38.4*		86.397	N	71.738	E	10	G	4.6		1.0	24	NORTH OF SEVERNAYA ZEMLYA
	15	11	51	13.1?		34.06	S	71.04	W	72	?			0.3	10	NEAR COAST OF CENTRAL CHILE
	15	12	21	43.6*		24.455	S	117 578	W	10	G	5.0		1.0	51	EASTER ISLAND CORDILLERA
	15	12	23	09.0		17.063	N	93.710	W	173	D	4.2		1.0	37	CHIAPAS, MEXICO. Felt in Chiapas.
	15	12	50	58.5		19.205	N	69.332	W	83	D	4.5		1.0	50	DOMINICAN REPUBLIC REGION. Felt at Santo Domingo and throughout northern and eastern Dominican Republic.
	15	12	55	19.7		41.311	N	29.352	W	10	G	4.5	4.0	0.9	28	AZORES ISLANDS REGION
	15	13	09	07.1		19.214	N	69.361	W	77	D	4.7		1.4	36	DOMINICAN REPUBLIC REGION. Felt at Santo Domingo and throughout northern and eastern Dominican Republic.
	15	14	33	02.5*		33.158	S	72.216	W	33	N			1.5	20	OFF COAST OF CENTRAL CHILE
	15	15	36	04.2*		7.372	S	154.701	E	33	N	4.2		1.5	13	SOLOMON ISLANDS
	15	15	38	07.7?		29.55	S	108.68	E	10	G			1.4	10	WEST OF AUSTRALIA
	15	16	28	03.1*		7.158	S	154.493	E	74	?	4.5		1.6	10	SOLOMON ISLANDS
	15	17	52	03.1		63.813	N	22.494	W	10	G	4.4	3.9	1.2	44	ICELAND REGION
	15	18	29	44.4%		45.058	N	6.645	E	10	G			0.1	8	FRANCE. ML 2.0 (GEN).
	15	19	01	41.1&		34.280	N	117.050	W	2					18	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt (IV) at Lake Arrowhead. Also felt at Redlands.
o	15	19	22	52.8		5.205	S	133.816	E	30	D	5.3		1.4	41	AROE ISLANDS REGION
	15	20	21	18.4*		40.332	N	21.973	E	5	G			1.7	5	GREECE. MD 3.0 (ATH).
	15	20	21	43.2&		65.993	N	147.555	W	8					23	ALASKA. <AGS-P>.
	15	21	32	55.0?		30.60	S	68.44	W	10	G			1.0	5	SAN JUAN PROVINCE, ARGENTINA
	15	21	47	23.6?		31.45	S	69.62	W	120	G			0.5	4	SAN JUAN PROVINCE, ARGENTINA
	15	21	59	37.8&		58.536	N	142.787	W	10	G				27	GULF OF ALASKA. <AGS-P>.
	15	22	35	13.7		21.616	N	143.000	E	327	*	4.7		1.1	46	MARIANA ISLANDS REGION
	15	22	39	25.0%		42.087	N	12.885	E	10	G			0.3	6	CENTRAL ITALY
	15	22	52	04.5		15.101	S	173.493	W	33	N	5.2		0.9	78	TONGA ISLANDS
o	15	23	07	42.8		64 655	N	17.617	W	10	G	5.5	5.2	1.2	172	ICELAND. Ms 5.6 (BRK).
	16	02	33	43.4?		37.12	N	23.80	E	10	G			0.8	4	SOUTHERN GREECE. ML 2.7 (ATH).
	16	02	50	51.8*		47.928	N	2.096	W	10	G			1.0	24	FRANCE ML 3.1 (LDG).
	16	03	04	13.5?		0.15	S	122.87	E	169	?	4.6		0.6	7	MINAHASSA PENINSULA
	16	03	24	28.5?		42.55	N	140.29	E	118	?	4.0		0.5	10	HOKKAIDO, JAPAN REGION
o	16	03	42	16.7		6.161	S	146.782	E	104	D	5.6		1.0	135	EAST PAPUA NEW GUINEA REGION
	16	05	07	52.9		43.156	N	0.209	W	10	G			0.7	11	PYRENEES. ML 3.0 (LDG). Felt (IV) at Arthez d'Asson, France.
	16	05	10	25.3&		63.223	N	150.513	W	141					41	CENTRAL ALASKA. <AGS-P>.

	16	05 14 31.9	22.924	S	66.157	W	257	D	4.6		1.3	61	JUJUY PROVINCE, ARGENTINA
	16	07 08 51.6?	33.23	S	71.97	W	33	N			1.4	14	NEAR COAST OF CENTRAL CHILE
	16	07 25 13.8	38.733	N	20.431	E	16		3.8		1.5	30	GREECE. ML 3.7 (ATH), 3.5 (TTG).
	16	08 06 27.7?	16.36	N	122.22	E	33	N	4.1		1.6	6	LUZON, PHILIPPINE ISLANDS
	16	08 43 46.3?	43.35	N	3.09	E	10	G			0.6	4	NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG).
	16	09 21 57.0?	31.29	S	68.85	W	110	G			0.6	6	SAN JUAN PROVINCE, ARGENTINA
	16	09 35 45.4?	32.29	S	68.88	W	100	G			0.2	5	MENDOZA PROVINCE, ARGENTINA
	16	09 42 32.3*	5.348	S	133.720	E	33	N	4.5		1.4	13	AROE ISLANDS REGION
	16	10 16 22.7?	32.11	S	68.43	W	100	G			0.4	6	MENDOZA PROVINCE, ARGENTINA
	16	10 40 09.3?	31.65	S	69.58	W	120	G			0.3	6	SAN JUAN PROVINCE, ARGENTINA
	16	10 49 29.6&	60.203	N	153.331	W	143					27	SOUTHERN ALASKA. <AGS-P>.
	16	10 54 58.5	7.015	S	124.913	E	547	*	5.0		0.8	28	BANDA SEA
	16	13 43 11.2*	21.329	S	69.558	W	129	?			1.6	7	NORTHERN CHILE
	16	14 30 16.3&	62.159	N	149.539	W	60					22	CENTRAL ALASKA. <AGS-P>.
	16	14 45 22.9*	17.050	S	71.289	W	33	N			0.8	6	NEAR COAST OF PERU
	16	15 33 46.6	80.100	N	0.831	E	10	G	4.4		1.2	29	NORTH OF SVALBARD
	16	15 44 08.3%	37.990	N	1.853	W	10	G			1.2	7	SPAIN. mbLg 2.5 (MDD).
	16	15 51 16.3?	42.18	N	79.33	E	33	N	4.6		0.4	13	ALMA-ATA REGION
	16	15 57 22.8	41.832	N	139.486	E	194		4.5		0.7	79	HOKKAIDO, JAPAN REGION
	16	15 58 07.4&	63.173	N	150.882	W	21					19	CENTRAL ALASKA. <AGS-P>.
	16	16 11 18.7	41.482	N	79.510	E	14	D	4.9		0.8	56	KIRGHIZ-XINJIANG BORDER REGION
	16	16 15 47.8%	0.571	S	78.219	W	33	N			0.3	6	ECUADOR
	16	17 26 44.8*	51.589	N	6.848	E	10	G			0.7	6	GERMANY. MD 2.6 (UCC).
	16	17 29 35.1	34.871	N	26.537	E	33	N	3.9		1.3	19	CRETE. ML 4.0 (ATH).
	16	17 44 09.4?	43.97	N	8.39	E	10	G			0.1	4	CORSICA. ML 1.6 (GEN).
	16	18 42 56.6*	38.373	N	73.210	E	45	?	4.4		0.8	26	TAJIK-XINJIANG BORDER REGION
	16	19 31 12.6?	37.71	N	21.37	E	5	G			1.7	4	SOUTHERN GREECE. ML 3.1 (ATH).
	16	21 13 32.4&	34.800	N	95.530	W	5					8	OKLAHOMA. <TUL>. mbLg 2.5 (TUL). Felt (IV) at Daw and Hartsharne; (III) at Alderson and Haileyville.
	16	21 30 20.4?	51.51	N	6.87	E	10	G			0.5	4	GERMANY. ML 1.8 (BNS).
	17	00 05 24.5?	18.34	S	169.12	E	42	?	5.1		1.1	16	VANUATU ISLANDS
	17	00 44 56.2*	20.749	S	68.841	W	120	G			1.3	5	CHILE-BOLIVIA BORDER REGION
	17	00 55 08.7	38.107	N	1.799	W	10	G			1.2	32	SPAIN. mbLg 3.9 (MDD). ML 3.7 (LDG). Felt (IV) at Bullas, Caravaca and Moratalla.
	17	02 07 56.4	38.327	N	21.921	E	5	G			0.5	6	GREECE. ML 3.1 (ATH).
	17	02 09 14.0*	18.385	S	169.383	E	33	N	5.4		1.3	24	VANUATU ISLANDS
	17	03 04 24.7*	30.535	N	141.003	E	64	*	4.8		1.1	51	SOUTH OF HONSHU, JAPAN
	17	04 42 52.2*	16.318	S	173.801	W	129	D	4.5		1.4	41	TONGA ISLANDS
	17	05 56 04.5	44.347	N	10.059	E	33	N			1.1	48	NORTHERN ITALY. ML 3.3 (LDG). MD 2.8 (STR).
	17	06 57 16.6?	15.17	S	72.11	W	130	G			0.9	6	SOUTHERN PERU
	17	07 03 32.0*	37.384	N	48.929	E	61	*	4.5		1.1	27	NORTHWESTERN IRAN. Felt at Rudbar.
	17	07 57 08.6*	24.667	S	66.283	W	200	G			1.0	6	SALTA PROVINCE, ARGENTINA
	17	08 07 25.2*	32.345	S	72.619	W	33	N			1.5	18	OFF COAST OF CENTRAL CHILE
	17	08 19 51.6*	27.833	N	139.231	E	526	?	4.3		1.2	19	BONIN ISLANDS REGION
	17	08 52 56.7	9.445	N	83.852	W	33	N	4.8		1.1	52	COSTA RICA MD 4.7 (UPA).
	17	09 22 53.3	35.961	N	100.084	E	17	D	4.8		1.0	32	QINGHAI PROVINCE, CHINA. ML 4.9 (BJI).
	17	09 59 44.0%	16.951	N	99.733	W	33	N			1.6	5	NEAR COAST OF GUERRERO, MEXICO
	17	10 06 29.5?	2.43	S	127.77	E	33	N	4.7		0.9	6	CERAM SEA
	17	10 19 31.6	13.701	N	146.273	E	62	*	5.0		1.0	43	SOUTH OF MARIANA ISLANDS
	17	10 26 59.6&	61.235	N	151.470	W	68					26	SOUTHERN ALASKA. <AGS-P>.
	17	10 58 23.4?	13.70	N	145.96	E	79	*			1.2	15	MARIANA ISLANDS
a	17	11 57 24.1	5.917	S	103.796	E	59	D	5.7		1.0	279	SOUTHERN SUMATERA
	17	13 04 29.2&	36.630	N	121.313	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	17	13 04 52.6	18.293	N	68.154	W	148	D	4.9		1.0	115	MONA PASSAGE. Felt throughout much of Puerto Rico. Also felt at Santa Domingo and in eastern Dominican Republic.
	17	13 18 32.0?	41.45	N	1.77	W	10	G			0.5	4	SPAIN. mbLg 2.6 (MDD).
	17	13 23 39.0	18.846	N	62.733	W	54	D	4.7		1.2	62	LEEWARD ISLANDS. MD 5.2 (TRN).
a	17	13 47 26.6	53.155	S	159.632	E	10	G	6.0 6.0		1.3	140	MACQUARIE ISLANDS REGION. Ms 6.0 (BRK). Mo=1.0*10**19 Nm (PPT). Felt (V) on Macquarie Island. Complex event, observed on broadband displacement seismograms.
	17	15 26 29.8&	61.124	N	150.783	W	51					22	SOUTHERN ALASKA. <AGS-P>.
	17	16 00 48.6&	36.647	N	121.305	W	6					16	CENTRAL CALIFORNIA. <BRK> ML 2.5 (BRK).
	17	18 05 47.3&	60.080	N	152.686	W	102					25	SOUTHERN ALASKA. <AGS-P>.
	17	18 33 49.7*	44.098	N	8.636	E	10	G			0.6	9	NORTHERN ITALY. ML 2.5 (LDG), 2.1 (GEN).
	17	18 41 54.7	5.648	N	124.729	E	42	*	5.2		0.8	41	MINDANAO, PHILIPPINE ISLANDS
	17	19 05 09.9&	40.443	N	126.660	W	37					9	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	17	19 53 12.0?	33.20	S	69.70	W	33	N			0.9	6	CHILE-ARGENTINA BORDER REGION
	17	20 08 28.0%	38.705	N	15.162	E	10	G			0.1	8	SICILY
	17	20 14 21.4&	60.587	N	152.888	W	160					14	SOUTHERN ALASKA. <AGS-P>.
	17	21 26 18.9*	25.386	N	124.798	E	72	*	4.4		1.2	13	NORTHEAST OF TAIWAN
	17	21 29 53.6&	60.003	N	152.782	W	93					28	SOUTHERN ALASKA. <AGS-P>.
	17	21 57 39.6?	20.88	S	69.14	W	33	N			1.5	6	NORTHERN CHILE
	18	02 47 37.8*	4.615	S	143.611	E	115	*	4.9		1.0	24	PAPUA NEW GUINEA
a	18	03 18 39.7	51.453	N	177.899	E	41	D	5.6 5.4		1.1	379	RAT ISLANDS, ALEUTIAN ISLANDS. Ms 5.1 (BRK). Felt strongly on Amchitka. Felt (III) on Adak.
	18	04 04 42.0&	58.990	N	152.087	W	56					15	KODIAK ISLAND REGION. <AGS-P>.
	18	04 36 05.0*	31.679	S	68.958	W	102	?			0.5	8	SAN JUAN PROVINCE, ARGENTINA
	18	04 49 15.3	35.074	N	27.160	E	10	G			1.3	11	DODECANESE ISLANDS. ML 4.1 (CSS). MD 4.0 (ATH).
	18	04 55 42.0	4.061	S	29.483	E	10	G	5.0 4.3		1.0	60	LAKE TANGANYIKA REGION
	18	05 37 35.1?	0.13	N	123.11	E	123	?	4.6		0.6	8	MINAHASSA PENINSULA
	18	05 58 03.8%	42.050	N	23.066	E	10	G			0.3	5	BULGARIA
	18	10 05 50.9?	40.25	N	20.29	E	10	G			1.3	4	GREECE-ALBANIA BORDER REGION
	18	10 33 06.8*	35.559	N	142.785	E	33	N			1.2	12	OFF EAST COAST OF HONSHU, JAPAN
	18	12 31 03.3*	0.453	N	126.101	E	63	?	4.6		1.0	10	MOLUCCA PASSAGE
	18	13 06 15.3	11.546	N	61.285	W	33	N			0.6	17	WINDWARD ISLANDS. ML 4.5 (FDF).
	18	15 48 51.9*	6.853	S	129.015	E	200	*	5.0		0.9	13	BANDA SEA
	18	16 58 50.4&	59.449	N	152.927	W	83					42	SOUTHERN ALASKA. <AGS-P>.
	18	17 26 04.6*	42.229	N	7.140	E	33	N			0.2	11	WESTERN MEDITERRANEAN SEA. ML 2.9 (LDG). MD 2.3 (STR).
	18	19 06 13.0*	24.907	N	122.192	E	25	*	4.7		1.2	9	TAIWAN REGION
	18	19 52 59.8%	43.436	N	5.450	E	5	G			0.3	15	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	18	19 57 41.1%	44.807	N	7.277	E	10	G			0.5	6	NORTHERN ITALY. ML 1.7 (GEN).
	18	20 07 23.3?	41.89	N	13.67	E	5	G			1.5	4	SOUTHERN ITALY

	18	20 45	59.0%	41.938	N	23.055	E	5	G			0.4	7	GREECE-BULGARIA BORDER REGION
	18	20 58	46.9*	8.205	S	121.854	E	53	?	4.9		1.3	15	FLORES ISLAND REGION
	18	21 57	13.5	44.103	N	6.956	E	10	G			0.4	24	FRANCE. ML 2.7 (LDG), 2.4 (GEN).
	18	22 59	05.1	41.963	N	23.103	E	10	G			1.2	24	GREECE-BULGARIA BORDER REGION. MD 3.2 (ATH). ML 2.9 (SKO). Felt (IV) at Blagoevgrod, Bulgorio.
	18	23 16	30.2*	13.658	N	143.371	E	33	N			0.2	9	SOUTH OF MARIANA ISLANDS
	19	00 27	33.3%	38.710	N	15.229	E	10	G			0.2	5	SICILY
	19	00 57	18.7	5.675	S	146.157	E	55	*	5.1		1.0	44	EAST PAPUA NEW GUINEA REGION
	19	04 12	11.0	23.656	S	179.988	E	550	G	4.8		0.9	69	SOUTH OF FIJI ISLANDS
	19	05 15	36.8?	14.95	N	60.81	W	80	G			0.1	4	WINDWARD ISLANDS
	19	06 41	01.6?	32.58	S	71.61	W	33	N			0.4	6	NEAR COAST OF CENTRAL CHILE
	19	07 04	19.6&	62.125	N	149.734	W	51					39	CENTRAL ALASKA. <AGS-P>.
	19	08 05	57.3?	38.00	N	88.94	E	33	N	4.4		0.5	4	SOUTHERN XINJIANG, CHINA
	19	09 02	14.8&	38.807	N	122.830	W	5					13	NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=5.0*10**14 Nm (BRK).
	19	10 18	26.5&	62.861	N	149.735	W	79					32	CENTRAL ALASKA. <AGS-P>.
	19	12 19	11.3?	37.83	N	6.72	W	10	G			0.3	4	SPAIN. mbLg 2.5 (MDD).
	19	13 44	57.9?	19.38	S	67.31	W	230	G			1.5	5	SOUTHERN BOLIVIA
	19	14 44	21.8*	44.813	N	2.834	E	10	G			1.4	12	FRANCE. ML 2.8 (LDG).
	19	15 48	31.3	43.286	N	17.357	E	5	G			0.8	10	YUGOSLAVIA. MD 3.4 (TRI). ML 3.0 (LJU).
	19	16 09	03.5	37.134	N	21.266	E	10	G			1.1	13	SOUTHERN GREECE. ML 3.5 (ATH).
	19	16 14	22.0&	39.542	N	120.407	W	9					9	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	19	17 01	31.2	35.894	N	31.016	E	33	N			1.4	13	CYPRUS
	19	17 49	51.3	31.002	N	131.554	E	47	*	4.7		0.5	16	KYUSHU, JAPAN
	19	18 07	38.3?	35.19	N	26.32	E	10	G			1.2	5	CRETE. MD 3.9 (ATH).
	19	18 43	10.4*	12.405	N	144.641	E	33	N	4.4		0.7	9	SOUTH OF MARIANA ISLANDS
	19	19 01	02.2*	37.224	N	71.964	E	114	?	4.1		1.2	11	AFGHANISTAN-USSR BORDER REGION
	19	19 04	16.7	44.860	N	7.619	E	12				1.1	15	NORTHERN ITALY. ML 2.3 (GEN), 2.0 (LDG).
	19	19 23	24.1?	5.87	S	146.71	E	218	*	4.8		1.1	7	EAST PAPUA NEW GUINEA REGION
	19	19 46	00.6%	45.995	N	2.961	E	10	G			0.4	6	FRANCE. ML 1.9 (LDG).
	19	19 57	28.4?	45.99	N	3.02	E	10	G			0.4	4	FRANCE. ML 1.8 (LDG).
	19	20 13	44.3?	31.15	S	68.28	W	100	G			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	19	23 31	41.4?	63.05	N	156.85	W	10	G			0.7	4	CENTRAL ALASKA. ML 3.4 (PMR).
	20	00 27	37.5?	31.20	S	68.67	W	110	G			0.6	6	SAN JUAN PROVINCE, ARGENTINA
	20	01 01	49.5?	33.58	S	70.56	W	90	?			0.2	8	CHILE-ARGENTINA BORDER REGION
	20	01 19	32.0%	43.066	N	0.674	W	10	G			0.4	6	PYRENEES. MD 1.0 (STR).
	20	01 25	27.0*	22.494	S	65.819	W	298	?			1.1	10	JUJUY PROVINCE, ARGENTINA
	20	02 43	40.6*	3.234	S	138.525	E	41	*	5.0	4.7	1.4	23	WEST IRIAN
	20	02 55	20.3*	37.381	N	71.999	E	108	?	4.8		0.9	14	AFGHANISTAN-USSR BORDER REGION
	20	03 20	22.1*	9.189	N	83.794	W	33	N	4.6	4.1	1.6	52	COSTA RICA. MD 4.5 (UPA).
	20	03 27	43.9	38.090	N	22.899	E	10	G	4.1		1.4	36	GREECE. MD 3.7 (ATH).
	20	05 43	46.2	43.409	N	5.466	E	5	G			0.4	16	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	20	07 36	47.2?	16.80	S	178.81	W	320	?	4.9		1.4	16	FIJI ISLANDS REGION
	20	08 09	59.6*	16.928	N	61.210	W	33	N			0.6	9	LEEWARD ISLANDS. MD 3.2 (TRN). ML 2.9 (FDF).
	20	08 15	19.6*	36.356	N	27.288	E	33	N			1.5	9	DODECANESE ISLANDS. ML 4.2 (ATH), 4.0 (CSS).
	20	08 16	48.7	27.716	N	44.084	W	10	G	4.9	4.3	0.9	61	NORTH ATLANTIC RIDGE
	20	09 03	13.1?	38.16	N	15.33	E	33	N			0.2	4	SICILY
	20	09 33	23.9?	16.13	N	100.11	W	33	N			1.2	5	NEAR COAST OF GUERRERO, MEXICO
	20	09 45	51.5*	53.895	N	165.668	W	80	*	4.7		1.4	16	FOX ISLANDS, ALEUTIAN ISLANDS
	20	09 49	36.2&	60.516	N	150.882	W	47					36	KENAI PENINSULA, ALASKA. <AGS-P>.
	20	09 53	28.0?	31.67	S	69.63	W	120	G			0.1	4	SAN JUAN PROVINCE, ARGENTINA
	20	10 01	26.3%	0.042	S	78.387	W	10	G			0.6	9	ECUADOR
	20	10 35	22.8?	12.52	N	90.95	W	33	N	4.3		1.1	14	OFF COAST OF CENTRAL AMERICA
	20	11 40	56.9*	55.941	N	135.626	W	10	G	3.9		0.7	9	OFF COAST OF SOUTHEASTERN ALASKA
	20	11 55	15.3*	16.293	N	98.082	W	69	?	3.9		0.6	8	NEAR COAST OF GUERRERO, MEXICO
	20	12 13	25.4?	4.21	N	9.06	E	10	G	4.7		1.1	7	NORTHWEST AFRICA
	20	12 22	47.9?	48 62	N	155.68	E	33	N	4.9		1.7	30	KURIL ISLANDS
	20	15 22	45.2&	36.535	N	120.983	W	9					14	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	20	15 36	15.1	43.919	N	16.593	E	10	G			1.5	14	YUGOSLAVIA. ML 2.7 (TTG), 2.5 (LJU). Felt at Sinj.
	20	16 00	01.7?	32.56	S	71.60	W	25				0.4	9	NEAR COAST OF CENTRAL CHILE
	20	17 02	03.0*	28.513	S	71.888	W	70	?	4.7		1.2	15	NEAR COAST OF CENTRAL CHILE
	20	17 52	03.0	43.898	N	16.461	E	10	G			1.3	34	YUGOSLAVIA. MD 3.6 (TRI). ML 3.0 (TTG). Felt at Drnis and Sinj.
	20	18 27	20.8?	35.56	N	27.62	E	5	G			1.1	8	DODECANESE ISLANDS. MD 3.8 (ATH).
	20	18 47	08.2?	15.02	N	93.45	W	82	*	4.4		1.3	7	NEAR COAST OF CHIAPAS, MEXICO
	20	18 56	52.4&	64.656	N	150.305	W	46					8	CENTRAL ALASKA. <AGS-P>.
	20	19 59	29.3*	31.966	S	67.069	W	130	*			0.7	17	SAN JUAN PROVINCE, ARGENTINA
	20	20 06	06.7	40.720	N	15.793	E	10	G			1.2	34	SOUTHERN ITALY
	20	21 21	24.9?	51.19	N	15.93	E	5	G			1.6	4	POLAND
	20	22 37	34.3*	32.808	S	71.531	W	29				1.1	12	NEAR COAST OF CENTRAL CHILE
o	20	23 13	40.6	41.690	N	126.946	W	10	G	5.2	4.9	1.0	141	OFF COAST OF NORTHERN CALIFORNIA. ML 4.9 (BRK).
	20	23 19	40.2	41.622	N	127.143	W	10	G	3.8		0.6	43	OFF COAST OF NORTHERN CALIFORNIA
	21	00 31	35.3	37.018	N	21.421	E	10	G	4.0		1.1	37	SOUTHERN GREECE. ML 3.7 (ATH).
	21	01 22	11.5?	23.77	S	66.61	W	206	?			1.2	7	JUJUY PROVINCE, ARGENTINA
	21	01 47	27.6	44.716	N	111.056	W	5	G			0.8	12	HEBGEN LAKE REGION. ML 3.0 (BUT).
	21	02 59	34.8*	37.250	N	69.006	E	102	?	4.3		0.7	9	AFGHANISTAN-USSR BORDER REGION
o	21	03 19	00.3	12.995	S	165.984	E	33	N	5.2	5.3	1.3	76	SANTA CRUZ ISLANDS
	21	03 21	38.1	13.465	N	90.397	W	68		4.3		1.1	33	NEAR COAST OF GUATEMALA. Felt (II) at San Salvador, El Salvador.
o	21	03 48	25.4	10.260	S	161.160	E	55	*	5.4		0.9	108	SOLOMON ISLANDS
	21	05 06	21.5?	31.08	S	68.61	W	110	G			0.6	6	SAN JUAN PROVINCE, ARGENTINA
	21	05 35	40.8%	46.563	N	8.503	E	10	G			0.9	5	SWITZERLAND
	21	05 39	37.4	18.992	N	62.899	W	45	*	3.9		0.5	18	LEEWARD ISLANDS. MD 4.3 (TRN).
	21	06 15	46.3	14.065	N	93.743	W	33	N	4.3		0.9	16	NEAR COAST OF CHIAPAS, MEXICO
	21	07 46	45.4?	31.38	S	68.61	W	110	G			0.5	5	SAN JUAN PROVINCE, ARGENTINA
	21	07 55	11.9*	42.910	N	0.250	W	10	G			1.2	10	PYRENEES. ML 3.0 (LDG).
	21	08 22	13.4&	60 125	N	151.715	W	76		3.6			48	KENAI PENINSULA, ALASKA. <AGS-P>.
	21	08 58	00.1?	0.64	S	119.67	E	78	?	4.7		1.2	10	MINAHASSA PENINSULA
	21	10 51	07.7*	16.509	S	176.639	E	33	N	4.7		1.2	10	FIJI ISLANDS REGION
	21	11 31	50.5?	30.58	S	69.06	W	33	N			0.9	6	CHILE-ARGENTINA BORDER REGION
	21	12 02	28.5	61.849	N	148.498	W	56		4.6		0.9	113	SOUTHERN ALASKA. Felt (IV) at Anchorage, Chickaloon, Palmer and Sutton; (III) at Fort Richardson and Wasilla; (II) at Willow.

	21	12	35	09	4*	51	226	N	15.686	E	10	G	1.4	11	POLAND. ML 3.6 (GRF).
	21	12	59	09.0*		8.075		N	37.816	W	10	G	4.4	0.3	7	CENTRAL MID-ATLANTIC RIDGE
	21	13	03	13	3&	63.043		N	150.915	W	128				26	CENTRAL ALASKA. <AGS-P>.
	21	14	51	52.0*		6	282	S	103.436	E	33	N	4.9 3.6	1.4	13	SOUTHWEST OF SUMATERA
	21	15	30	43.0?		31.30		S	68.19	W	110	G		1.0	5	SAN JUAN PROVINCE, ARGENTINA
	21	16	08	20.7		29.741		N	79.791	E	33	N	5.1	1.0	57	NORTHERN INDIA
	21	16	52	33.0&		38.802		N	122.937	W	5	G			9	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK).
	21	16	56	18.8?		51.36		N	16.06	E	10	G		0.4	5	POLAND
	21	16	57	25.7&		60.797		N	150.725	W	51				24	KENAI PENINSULA, ALASKA. <AGS-P>.
	21	20	13	16.2		13.291		N	123.816	E	33	N	4.8 3.6	0.9	26	LUZON, PHILIPPINE ISLANDS
	21	21	48	58.8%		38.105		N	20.656	E	5	G		1.2	5	GREECE. MD 2.9 (ATH).
	21	22	46	26.8		32.285		S	71.336	W	21			0.4	11	NEAR COAST OF CENTRAL CHILE
	21	23	17	22.0?		31.20		S	68.49	W	110	G		0.8	5	SAN JUAN PROVINCE, ARGENTINA
	21	23	50	02.0*		19.139		N	62.845	W	13			0.6	14	LEEWARD ISLANDS. ML 4.2 (FDF). MD 4.1 (TRN).
	22	00	00	09.2*		21.695		S	169.671	E	50	*	4.8 4.6	1.0	17	LOYALTY ISLANDS REGION
	22	00	21	12.8*		19.212		N	62.815	W	33	N		0.4	8	LEEWARD ISLANDS
	22	01	44	59.1?		43.97		N	115.35	W	10	G		0.5	9	WESTERN IDAHO. ML 3.0 (BUT).
	22	02	00	16.5*		4.507		S	149.388	E	72	?	4.7	1.4	8	BISMARCK SEA
	22	02	09	27.7*		33.022		S	70.972	W	97	*		1.4	19	CHILE-ARGENTINA BORDER REGION
	22	02	46	01.2*		42.538		N	46.449	E	33	N	4.3	1.3	7	EASTERN CAUCASUS
	22	02	49	54.3*		13.706		N	90.778	W	94	*	4.1	0.9	16	NEAR COAST OF GUATEMALA
	22	04	12	20.0?		40.15		N	20.37	E	10	G		1.3	6	GREECE-ALBANIA BORDER REGION
	22	05	47	47.4?		17.00		N	121.11	E	33	N	4.7	1.1	5	LUZON, PHILIPPINE ISLANDS
	22	07	13	01.4		6.223		S	124.287	E	36	*	5.2 4.1	1.1	39	BANDA SEA
	22	07	51	23.6&		61.930		N	149.137	W	45				32	SOUTHERN ALASKA. <AGS-P>.
	22	08	18	15.5*		21.506		S	70.724	W	33	N		0.9	5	NEAR COAST OF NORTHERN CHILE
	22	08	52	36.9		50.008		N	178.051	W	26	D	4.7	0.9	45	ANDREANOF ISLANDS, ALEUTIAN IS.
	22	10	05	25.3%		38.709		N	15.249	E	10	G		0.1	5	SICILY
	22	11	24	43.3*		19.210		N	62.757	W	33	N		0.8	14	LEEWARD ISLANDS. ML 4.2 (FDF).
	22	11	46	07.5*		5.299		S	151.637	E	118	*	4.4	0.8	9	NEW BRITAIN REGION
	22	13	36	09.9*		2.563		S	121.860	E	33	N	4.2	0.4	5	SULAWESI
	22	14	02	24.8		32.836		S	70.168	W	117	?		0.5	13	CHILE-ARGENTINA BORDER REGION
	22	14	13	27.1&		60.700		N	151.870	W	77				25	KENAI PENINSULA, ALASKA. <AGS-P>.
	22	15	55	04.7?		5.15		S	152.13	E	92	?	4.7	0.6	7	NEW BRITAIN REGION
	22	18	21	49.8?		13.41		N	144.06	E	133	?	4.6	0.6	14	MARIANA ISLANDS
	22	18	44	12.3&		57.490		N	152.173	W	43				26	KODIAK ISLAND REGION. <AGS-P>.
	22	19	42	57.9%		46.603		N	1.100	E	10	G		0.5	5	FRANCE. ML 2.1 (LDG).
	22	20	47	25.1*		43.792		N	126.325	W	10	G	3.3	0.8	58	OFF COAST OF OREGON
a	22	20	53	57.5*		15.469		N	119.327	E	33	N	4.7 5.3	1.4	20	LUZON, PHILIPPINE ISLANDS
	22	21	12	25.1&		36.652		N	121.315	W	6				17	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	22	21	14	11.5&		36.650		N	121.315	W	6				16	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	22	22	11	49.5&		36.645		N	121.317	W	6				17	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	22	22	57	16.3*		15.428		N	119.212	E	33	N	4.5	1.2	9	LUZON, PHILIPPINE ISLANDS
	22	23	28	27.3		35.919		N	141.897	E	13		4.7	0.9	20	NEAR EAST COAST OF HONSHU, JAPAN
	23	00	01	12.7		53.295		N	159.189	E	33	N	4.6	1.0	42	NEAR EAST COAST OF KAMCHATKA
	23	00	35	56.3%		59.435		N	5.416	E	10	G		1.0	8	SOUTHERN NORWAY. MD 2.8 (BER).
	23	02	38	43.7?		45.35		N	14.39	E	10	G		1.0	4	YUGOSLAVIA. MD 1.5 (TRI), 1.4 (LJU).
	23	02	46	35.0*		0.860		S	98.265	E	33	N		0.3	7	SOUTHERN SUMATERA
	23	02	59	53.0&		36.795		N	121.560	W	7				19	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=2.4*10**15 Nm (BRK). Double event, second event about 45 seconds later, ML 3.5 (BRK). Felt (IV) at San Carlos and San Juan Bautista.
	23	04	06	37.6&		36.788		N	121.573	W	9				14	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	23	06	28	59.5%		38.684		N	15.260	E	10	G		0.5	7	SICILY
	23	06	43	36.5?		13.05		N	49.87	E	10	G	4.9	1.0	8	EASTERN GULF OF ADEN
a	23	06	50	33.0		14.989		S	173.632	W	33	N	5.6 5.8	1.3	163	SAMOA ISLANDS REGION. Ms 5.8 (BRK), 5.6 (PAS). Mo=1.0*10**18 Nm (PPT).
	23	07	19	37.1		44.604		N	6.824	E	10			0.3	18	FRANCE. ML 2.3 (GEN), 2.1 (LDG).
	23	07	24	40.6?		32.97		S	179.35	W	492	?		1.2	23	SOUTH OF KERMADEC ISLANDS
	23	08	02	55.8?		15.95		N	60.95	W	10	G		0.7	5	LEEWARD ISLANDS. ML 2.3 (FDF).
	23	08	26	39.5*		16.379		N	121.037	E	33	N	5.1	1.4	22	LUZON, PHILIPPINE ISLANDS
	23	08	29	45.4?		14.27		S	173.86	W	33	N	5.2	1.0	17	SAMOA ISLANDS REGION
	23	10	06	02.0		39.444		N	143.005	E	53	*	4.5 4.2	0.8	31	OFF EAST COAST OF HONSHU, JAPAN
	23	11	01	32.6		15.911		S	72.791	W	117	*	4.7	1.1	29	SOUTHERN PERU. Felt (III) at Arequipa.
	23	12	54	37.8&		60.008		N	152.754	W	91				35	SOUTHERN ALASKA. <AGS-P>.
	23	12	57	54.0?		33.00		S	72.38	W	10	G		0.4	9	OFF COAST OF CENTRAL CHILE
	23	13	35	47.6&		37.395		N	122.163	W	4				19	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=1.4*10**14 Nm (BRK). Felt (IV) at Lomo Mar and (III) at Half Moon Bay and San Gregorio. Also felt at Palo Alto.
	23	14	22	29.3%		44.621		N	7.227	E	10	G		0.5	5	NORTHERN ITALY. ML 1.9 (GEN).
	23	15	26	30.9&		39.808		N	123.302	W	2	G			7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.5 (BRK).
	23	17	37	17.8?		23.00		S	66.04	W	226	?		1.0	7	JUJUY PROVINCE, ARGENTINA
	23	17	45	43.5*		55.945		S	27.068	W	33	N	5.4	1.0	27	SOUTH SANDWICH ISLANDS REGION
a	23	17	54	02.9		17.732		S	167.612	E	10	G	5.4 6.2	1.3	214	VANUATU ISLANDS. Ms 6.2 (BRK). Mo=6.0*10**18 Nm (PPT).
	23	18	07	46.5?		18.07		S	167.81	E	33	N		1.5	14	VANUATU ISLANDS
	23	18	44	03.4*		38.972		N	23.644	E	10	G		0.9	5	GREECE. ML 3.0 (ATH).
	23	19	12	48.0*		41.158		N	25.040	E	33	N		1.2	9	GREECE-BULGARIA BORDER REGION. MD 2.6 (ATH).
	23	20	33	49.7		6.726		S	130.373	E	33	N	4.9 6.5	1.1	35	BANDA SEA
f	23	21	13	07.4		33.267		N	138.643	E	10	G	6.0 6.5	1.3	286	SOUTH OF HONSHU, JAPAN. Ms 6.3 (BRK), 5.9 (PAS). Mo=6.0*10**18 Nm (PPT). Felt (III JMA) on Hachijo-jima and Miyake-jima and in the Osaka-Owase-Yokkaichi area, Honshu. A slight tsunami was reported on Hachijo-jima and Oshima. Complex event, observed on broadband displacement seismograms.
	23	21	53	02.7*		33.056		N	138.775	E	10	G	4.2	1.3	12	SOUTH OF HONSHU, JAPAN
	23	22	09	04.2		33.189		N	138.685	E	10	G	5.6 6.2	1.1	186	SOUTH OF HONSHU, JAPAN. Felt (III JMA) on Hachijo-jima.
	23	22	09	11.5?		16.43		S	168.11	E	33	N	4.7	1.3	11	VANUATU ISLANDS
	23	22	52	37.6		17.834		S	167.678	E	28	*	4.9	1.2	65	VANUATU ISLANDS
	23	22	56	26.0?		32.94		N	138.50	E	33	N		1.2	5	SOUTH OF HONSHU, JAPAN
	23	23	14	38.1*		17.640		S	167.675	E	33	N	4.8	1.3	8	VANUATU ISLANDS
	23	23	47	58.8*		33.228		N	138.470	E	10	G	4.3	1.3	16	SOUTH OF HONSHU, JAPAN
	24	00	47	58.4*		17.619		S	167.732	E	32	?	4.8	1.2	27	VANUATU ISLANDS
	24	00	59	21.8		35.660		N	140.597	E	71		4.5	0.6	21	NEAR EAST COAST OF HONSHU, JAPAN

	24	01	00	38.7*	17.732	S	167.598	E	33	N	4.8 4.4	1.4	26	VANUATU ISLANDS
	24	01	26	17.2*	58.820	S	23.438	W	33	N	5.0	1.0	18	SOUTH SANDWICH ISLANDS REGION
	24	01	37	29.4?	17.94	N	66.95	W	33	N		1.0	5	PUERTO RICO REGION
	24	01	44	20.2	17.609	S	167.696	E	21	*	5.1 4.8	1.1	37	VANUATU ISLANDS
o	24	01	58	01.9	17.590	S	167.833	E	26	*	5.2 5.5	1.3	146	VANUATU ISLANDS. Mo=1.6*10**18 Nm (PPT).
	24	02	39	27.7?	46.92	N	1.84	E	10	G		0.4	6	FRANCE. ML 1.8 (LDG).
	24	02	53	54.5*	33.368	N	138.525	E	10	G	4.3	0.9	14	SOUTH OF HONSHU, JAPAN
	24	03	03	39.5*	17.916	S	167.661	E	33	N	4.6	1.6	13	VANUATU ISLANDS
	24	03	04	17.7&	61.383	N	147.368	W	12				32	SOUTHERN ALASKA. <AGS-P>. ML 2.6 (PMR).
	24	03	46	23.4*	17.650	S	167.870	E	33	N	4.6 4.5	1.3	18	VANUATU ISLANDS
	24	03	48	46.7?	10.53	N	62.13	W	10	G		0.8	6	NEAR COAST OF VENEZUELA. MD 3.6 (TRN).
	24	04	14	28.0&	61.633	N	151.417	W	68				28	SOUTHERN ALASKA. <AGS-P>.
	24	04	16	12.8*	18.088	S	167.619	E	33	N	4.7	1.3	22	VANUATU ISLANDS
	24	05	03	56.2	3.578	S	127.191	E	33	N	5.3	0.6	13	CERAM
	24	06	35	13.9*	38.253	N	47.951	E	10	G	4.6	1.4	14	NORTHWESTERN IRAN. Felt at Rudbar and Ardabil.
	24	06	36	44.1*	23.665	N	122.401	E	10	G		0.9	6	TAIWAN REGION
	24	07	04	12.0	2.432	N	128.576	E	232	*	4.9	1.1	31	HALMAHERA
	24	08	19	15.8*	8.374	S	148.774	E	63	?	4.3	0.6	9	EAST PAPUA NEW GUINEA REGION
	24	08	49	37.4	0.013	N	78.006	W	10	G	4.2	1.2	17	COLOMBIA-ECUADOR BORDER REGION
	24	09	23	29.3	19.167	N	108.117	W	10	G	3.9	0.9	33	REVILLA GIGEDO ISLANDS REGION
	24	09	47	03.2&	41.240	N	124.340	W	5	G			5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.5 (BRK). Felt (IV) at Arcata and (III) at Bayside, Eureka and Ferndale.
	24	10	39	52.5*	17.963	S	167.871	E	33	N	4.4 4.2	1.3	12	VANUATU ISLANDS
	24	14	19	41.8?	13.08	N	144.00	E	33	N	4.1	1.3	6	SOUTH OF MARIANA ISLANDS
	24	15	33	15.6	10.618	S	73.444	W	135	D	4.8	0.9	86	PERU
	24	17	25	23.7?	32.49	S	71.74	W	15	*		0.4	8	NEAR COAST OF CENTRAL CHILE
	24	18	17	28.1	32.830	S	71.481	W	12			1.1	15	NEAR COAST OF CENTRAL CHILE
	24	18	22	11.6	32.844	S	71.573	W	18			0.8	16	NEAR COAST OF CENTRAL CHILE
	24	18	39	22.6	32.846	S	71.562	W	17	*		1.1	16	NEAR COAST OF CENTRAL CHILE
	24	19	01	45.8&	63.009	N	150.895	W	127				29	CENTRAL ALASKA. <AGS-P>.
	24	19	51	51.2	28.283	N	56.918	E	33	N	4.7	0.9	36	SOUTHERN IRAN
	24	21	37	59.2?	36.29	S	97.53	W	10	G	4.8 5.0	1.6	12	WEST CHILE RISE
	24	21	39	38.8*	17.645	S	167.647	E	10	G	4.7	1.5	18	VANUATU ISLANDS
	24	21	45	30.6	37.413	N	30.600	E	38		4.2 4.0	1.1	54	TURKEY. ML 4.3 (CSS). MD 4.3 (ATH). Felt in the Burdur-Isparta area.
	24	23	50	23.2%	45.594	N	2.803	E	10	G		0.4	5	FRANCE. ML 1.9 (LDG).
	24	23	55	51.1	15.393	N	119.605	E	48	*	5.0 3.9	0.9	34	LUZON, PHILIPPINE ISLANDS
	25	00	32	04.6*	39.132	N	20.659	E	10	G		0.9	5	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	25	01	07	12.8?	32.05	S	68.36	W	100	G		0.5	5	MENDOZA PROVINCE, ARGENTINA
	25	02	36	27.3*	7.615	S	119.463	E	284	?	5.0	1.2	11	FLORES SEA
	25	04	49	13.4%	40.792	N	15.238	E	10	G		1.2	7	SOUTHERN ITALY
	25	04	51	30.0?	42.88	N	13.05	E	10	G		0.4	4	CENTRAL ITALY
	25	05	04	42.8*	0.460	N	100.653	E	241	*		0.4	6	NORTHERN SUMATERA
	25	05	19	01.7	46.162	N	7.575	E	10	G		0.9	67	SWITZERLAND. ML 3.3 (LDG), 3.0 (VIE).
	25	05	51	10.3	27.593	S	178.888	W	371	D	4.9	1.1	100	KERMADEC ISLANDS REGION
	25	06	41	41.7&	62.317	N	150.710	W	65				32	CENTRAL ALASKA. <AGS-P>.
	25	07	17	26.3?	7.78	S	128.96	E	140	?	4.3	0.5	5	BANDA SEA
	25	07	24	35.2	33.298	N	138.539	E	7		4.5	1.1	24	SOUTH OF HONSHU, JAPAN
	25	07	44	59.1%	61.407	N	4.488	E	10	G		1.0	9	SOUTHERN NORWAY. MD 2.2 (BER).
	25	07	49	10.0?	62.66	N	7.51	E	10	G		0.7	4	SOUTHERN NORWAY. MD 2.0 (BER).
	25	08	39	15.4?	62.71	N	7.60	E	10	G		0.2	4	SOUTHERN NORWAY. MD 2.0 (BER).
	25	08	42	24.5?	62.70	N	7.59	E	10	G		0.1	4	SOUTHERN NORWAY. MD 1.9 (BER).
	25	09	17	19.9*	37.760	N	20.518	E	10	G		1.4	8	IONIAN SEA. ML 3.8 (ATH).
	25	09	54	51.5*	23.155	S	67.006	W	260	?		0.7	8	CHILE-ARGENTINA BORDER REGION
	25	09	57	17.2*	0.527	S	125.640	E	33	N	4.8	1.2	14	MOLUCCA SEA
	25	10	51	07.9%	35.854	N	21.940	E	10	G		0.6	5	MEDITERRANEAN SEA
	25	11	54	42.7	51.679	N	16.049	E	6			1.1	21	POLAND. ML 4.3 (GRF), 4.0 (VKA).
	25	12	12	15.3	36.790	N	49.855	E	10	G	4.8 4.0	1.4	77	WESTERN IRAN. Felt at Rudbar.
	25	12	16	26.2	17.963	S	167.747	E	26	*	4.9 4.4	0.9	34	VANUATU ISLANDS
	25	13	17	37.8*	33.318	S	71.727	W	35	?		0.4	10	NEAR COAST OF CENTRAL CHILE. Felt (III) at Valparaiso.
	25	14	53	08.8%	45.342	N	25.110	E	5	G		1.4	5	ROMANIA
	25	15	00	39.5?	37.42	N	21.89	E	10	G		1.0	4	SOUTHERN GREECE. MD 2.7 (ATH).
	25	16	20	18.2%	24.297	N	122.130	E	10	G		0.5	6	TAIWAN REGION
	25	16	23	04.0*	3.727	N	128.773	E	33	N	4.5	0.4	12	NORTH OF HALMAHERA
	25	16	49	17.4*	48.157	N	18.066	E	10	G		1.2	5	CZECHOSLOVAKIA. mbLg 1.6 (SRO).
	25	19	11	09.2%	48.084	N	1.581	W	10	G		0.5	5	FRANCE. ML 1.8 (LDG).
	25	20	14	18.8?	44.74	N	2.74	E	10	G		0.1	4	FRANCE. ML 1.9 (LDG).
	25	20	35	17.2?	43.17	N	138.16	E	267	?		0.7	6	EASTERN SEA OF JAPAN
	25	20	56	34.6*	13.709	S	165.749	E	33	N	4.9	1.1	11	VANUATU ISLANDS
	25	21	18	30.8&	59.957	N	153.411	W	128				28	SOUTHERN ALASKA. <AGS-P>.
	25	23	19	48.3?	37.55	N	21.78	E	10	G		1.3	4	SOUTHERN GREECE. ML 3.1 (ATH).
	26	00	12	04.3	45.497	N	7.213	E	10	G		0.9	9	NORTHERN ITALY. ML 2.4 (GEN), 2.4 (LDG).
	26	01	17	49.5*	10.486	S	161.858	E	106	*	4.4	0.5	10	SOLOMON ISLANDS
	26	02	09	43.0?	46.68	N	4.48	E	10	G		0.2	6	FRANCE. ML 1.6 (LDG).
	26	02	53	55.8&	37.380	N	122.182	W	8				17	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=3.9*10**14 Nm (BRK). Felt (IV) at Lama Mar, Mass Beach, Mountain View and Redwood City, (III) at Half Moon Bay and (II) at San Gregorio. Also felt at Palo Alto.
	26	03	52	05.7&	58.882	N	152.042	W	59				18	KODIAK ISLAND REGION. <AGS-P>.
	26	04	14	07.1&	40.450	N	125.797	W	5		4.5 4.1		150	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.4 (BRK). Felt (III) at Ferndale.
	26	04	33	49.3&	40.417	N	125.402	W	5				7	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK).
	26	04	37	02.0*	6.414	N	93.978	E	80	*	4.8	1.1	12	NICOBAR ISLANDS REGION
	26	06	47	24.6	43.505	N	0.560	W	10	G		0.6	20	PYRENEES. ML 3.2 (LDG). mbLg 3.0 (MDD). Felt (IV) at Pardies, France. Felt also in the Lacq oilfield area, France.
	26	07	44	31.4	6.278	S	124.294	E	33	N	5.2	0.9	16	BANDA SEA
	26	07	55	47.4*	1.935	S	77.240	W	175		4.2	1.1	19	ECUADOR
	26	10	08	01.3&	60.302	N	147.766	W	6				23	SOUTHERN ALASKA. <AGS-P>.
	26	10	29	50.4&	60.292	N	153.531	W	166				30	SOUTHERN ALASKA. <AGS-P>.
	26	12	27	56.0?	46.12	N	2.93	E	10	G		0.4	4	FRANCE. ML 2.1 (LDG).
	26	12	47	14.6?	5.46	S	102.27	E	46	?	5.3	1.0	10	SOUTHERN SUMATERA

	26	13	18	51.3&	37.165	N	89.577	W	12		4.7			87	CAPE GIRARDEAU, MISSOURI REGION. <SLM>. mbLg 5.0 (TUL), 4.8 (BLA). MD 4.7 (SLM). Slight damage (VI) at Benton, Chaffee, Kelso, Kewanee, Marble Hill, Scott City, Sikeston and Vanduser. Also slight damage (VI) at Alto Pass, Anna, Cave In Rock, Jonesboro, Murphysboro, Olive Branch and Pulaski, Illinois and at Piggott, Arkansas and Fancy Farm, Kentucky. Felt (V) in many areas of southeastern Missouri, southern Illinois and western Kentucky including Cape Girardeau, Missouri and Paducah, Kentucky. Also felt in parts of Arkansas, Indiana, Tennessee and at Cincinnati, Ohio.
a	26	13	24	18.9	3.989	S	102.385	E	59	D	5.6		1.0	109	SOUTHERN SUMATERA
	26	13	35	47.1%	37.854	N	26.755	E	10	G			0.5	6	DODECANESE ISLANDS. MD 3.4 (ATH).
	26	13	42	19.1*	33.655	S	70.601	W	84	*	4.7		0.4	8	CHILE-ARGENTINA BORDER REGION
a	26	15	32	40.2	29.147	N	60.906	E	33	N	5.4	5.4	1.1	210	SOUTHERN IRAN. Felt in the Zahedan area. Also felt in southwestern Pakistan.
a	26	15	40	42.4*	36.190	S	100.795	W	10	G	5.2	4.9	1.4	26	SOUTHERN PACIFIC OCEAN
	26	16	01	55.1*	47.741	N	6.995	E	10	G			0.3	5	FRANCE. MD 1.0 (STR).
	26	17	01	06.6*	17.480	N	61.149	W	10	G			0.4	9	LEEWARD ISLANDS. ML 3.3 (FDF).
	26	17	28	15.3?	48.82	N	9.13	E	10	G			0.4	5	GERMANY. MD 1.0 (STR).
	26	17	58	59.5?	31.29	S	68.37	W	110	G			0.4	5	SAN JUAN PROVINCE, ARGENTINA
	26	18	28	03.1?	15.75	N	60.73	W	10	G			0.3	6	LEEWARD ISLANDS. ML 2.9 (FDF).
	26	18	54	51.2*	10.497	S	124.407	E	52	?	4.8		1.1	17	TIMOR
	26	19	54	37.6*	16.166	S	172.887	W	33	N	5.0	4.8	1.1	41	SAMOA ISLANDS REGION
	26	20	10	41.9?	14.74	S	173.37	W	33	N	5.0	4.7	0.9	44	SAMOA ISLANDS REGION
	26	20	16	24.2*	26.804	N	57.453	E	33	N	4.6		1.0	16	SOUTHERN IRAN
	26	20	21	48.9?	32.95	S	72.22	W	11				0.5	8	OFF COAST OF CENTRAL CHILE
	26	20	23	07.3	41.063	N	20.091	E	10	G			1.3	23	ALBANIA. ML 3.3 (TTG). Felt at Kraljev Vrh, Bistra, Zagreb and Varazdin, Yugoslavia.
	26	20	39	36.1&	63.564	N	149.878	W	126					28	CENTRAL ALASKA. <AGS-P>.
	26	20	41	47.7&	64.024	N	148.135	W	104					42	CENTRAL ALASKA. <AGS-P>.
	26	22	34	36.2%	47.191	N	0.049	W	10	G			0.7	9	FRANCE
a	26	23	08	23.9	28.014	S	26.727	E	5	G	5.4	4.2	0.9	157	REPUBLIC OF SOUTH AFRICA. Two people killed and five injured in a mine in the Welkom area. Slight damage in the Welkom area.
	26	23	41	08.4*	23.139	S	68.088	W	120	G			0.5	5	NORTHERN CHILE
	27	00	53	44.0	31.870	N	115.797	W	10	G			0.5	10	BAJA CALIFORNIA
	27	00	54	26.0&	58.457	N	142.699	W	10	G	4.5			62	GULF OF ALASKA. <AGS-P>. ML 4.3 (PMR).
	27	01	12	46.4*	37.092	N	21.448	E	5	G	3.8		1.4	6	SOUTHERN GREECE. ML 3.4 (ATH).
	27	01	16	38.9&	58.250	N	142.696	W	10	G				7	GULF OF ALASKA. <AGS-P>.
	27	01	22	01.9	51.656	N	16.201	E	10	G			0.6	10	POLAND. ML 3.4 (GRF).
	27	01	47	53.1&	37.170	N	89.620	W	7					19	CAPE GIRARDEAU, MISSOURI REGION. <SLM>. mbLg 3.0 (NEIS), 3.2 (TUL). MD 3.3 (SLM). Felt (V) at Chaffee and Morley; (IV) at Benton and Scott City; (III) at Altenville, Dutchtown and Oran; (II) at Cape Girardeau. Felt (III) at Thebes, Illinois. Also felt at Paducah, Kentucky.
	27	02	27	13.0	38.117	N	20.744	E	10	G	3.8		1.4	13	GREECE. ML 3.6 (ATH).
	27	04	51	42.6%	44.774	N	7.196	E	10	G			0.2	6	NORTHERN ITALY. ML 2.2 (GEN).
	27	05	10	31.6	45.973	N	16.022	E	5	G			0.3	4	YUGOSLAVIA. ML 2.7 (VIE). Felt at Kraljev Vrh.
	27	05	30	44.1*	32.783	S	68.452	W	10	G			0.8	11	MENDOZA PROVINCE, ARGENTINA
	27	06	08	03.5*	32.807	S	68.514	W	10	G			0.4	10	MENDOZA PROVINCE, ARGENTINA
	27	06	22	59.4?	15.46	N	146.45	E	33	N	4.7		1.0	11	MARIANA ISLANDS
	27	06	26	26.4?	42.61	S	83.84	E	10	G	5.1		1.4	11	MID-INDIAN RISE
	27	08	04	06.0%	59.020	N	5.827	E	10	G			0.5	9	SOUTHERN NORWAY. MD 2.4 (BER).
	27	09	00	48.1%	46.625	N	23.220	E	10	G			1.1	5	ROMANIA
	27	09	29	57.9&	63.464	N	149.166	W	98					38	CENTRAL ALASKA. <AGS-P>.
	27	12	07	09.3?	43.81	N	13.21	E	10	G			0.5	5	CENTRAL ITALY
	27	12	34	52.9	28.975	N	60.760	E	33	N	4.8		1.2	43	SOUTHERN IRAN
	27	12	41	51.3	25.919	S	137.556	E	10	G			1.5	10	NORTHERN TERRITORY, AUSTRALIA. ML 3.2 (QIS).
	27	12	51	39.4*	21.258	S	68 034	W	213	?			1.3	7	CHILE-BOLIVIA BORDER REGION
	27	12	59	28.6?	6.10	S	127.93	E	101	?	4.4		1.4	10	BANDA SEA
	27	13	01	55.2%	59.039	N	5 254	E	10	G			0.4	9	SOUTHERN NORWAY. MD 2.5 (BER).
	27	13	08	45.5%	38.729	N	15.211	E	10	G			0.4	7	SICILY
	27	13	34	08.1?	31.45	S	68.63	W	110	G			0.0	5	SAN JUAN PROVINCE, ARGENTINA
	27	14	37	36.6%	59.365	N	6.068	E	10	G			0.3	6	SOUTHERN NORWAY. MD 1.4 (BER).
	27	15	05	55.4&	39.500	N	111 031	W	15					5	UTAH. <SLC-P>. CL 3.2 (SLC).
	27	15	38	56.0	7.335	N	126.869	E	55	?	4.8	4.4	1.1	31	MINDANAO, PHILIPPINE ISLANDS
	27	16	32	07.6&	64.288	N	146.986	W	7					14	CENTRAL ALASKA. <AGS-P>.
	27	16	34	43.5%	44.558	N	7.243	E	10	G			0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
	27	16	50	05.9	6.214	S	154.088	E	63	*	5.2		0.9	22	SOLOMON ISLANDS
	27	17	50	17.6?	24.35	S	67.19	W	186	?			0.7	6	CHILE-ARGENTINA BORDER REGION
	27	18	18	33.6	33.036	S	71.048	W	54	*			0.7	12	NEAR COAST OF CENTRAL CHILE
	27	20	07	11.2	51.567	N	6.748	E	10	G			0.4	7	GERMANY. ML 1.7 (BNS).
	27	20	30	39.9*	27.613	S	70.690	W	110	*	4.6		1.3	18	NEAR COAST OF NORTHERN CHILE
	27	20	50	07.5&	47.732	N	123.711	W	0					47	WASHINGTON. <SEA>. CL 2.8 (SEA).
a	27	21	07	38.4	51.689	N	176.307	E	34	D	5.1	4.7	1.0	206	RAT ISLANDS, ALEUTIAN ISLANDS
	27	21	10	07.6	38.007	N	23.512	E	172		3.9		0.8	25	GREECE
	27	21	12	32.5	47.903	N	84.961	E	33	D	5.0	4.5	0.9	74	KAZAKH-XINJIANG BORDER REGION. Some damage (VI) to buildings in the Zaysan area, USSR which had been weakened by previous earthquakes. Felt (IV) at Ust-Kamenogorsk and (II) at Semipalatinsk, USSR.
	27	23	43	48.1*	10.883	N	62.024	W	10	G			0.9	6	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
	28	02	07	58.5	35.932	N	4.478	W	111		4.0		0.7	45	STRAIT OF GIBRALTAR
	28	02	13	32.8*	27.508	N	54.528	E	33	N	3.9		1.4	12	SOUTHERN IRAN
	28	03	51	00.0	2.559	S	118.992	E	33	N	4.8	3.7	0.8	17	SULAWESI
	28	03	51	41.5%	37.137	N	4.227	W	10	G			1.0	11	SPAIN. mbLg 2.7 (MDD).
	28	04	46	44.5*	40.232	N	25.460	E	10	G	3.6		1.3	8	AEGEAN SEA. MD 3.1 (ATH).
	28	05	32	07.0*	5.664	S	146.093	E	73	*	4.1		1.2	11	EAST PAPUA NEW GUINEA REGION
	28	05	56	58.4*	28.920	S	176.291	W	16	D	4.9	4.6	1.2	28	KERMADEC ISLANDS REGION
	28	07	46	13.6?	25.27	S	179.52	E	532	?	5.3		1.2	13	SOUTH OF FIJI ISLANDS
	28	08	05	17.3%	43.088	N	0.629	W	10	G			0.1	9	PYRENEES. MD 1.1 (STR).
	28	11	57	50.3?	20.51	S	178.08	W	618	?	4.6		1.5	11	FIJI ISLANDS REGION

	28	12	33	34.9*	16.692	S	178.160	E	33	N	5.3	1.6	9	FIJI ISLANDS
	28	14	09	46.6&	64.916	N	151.341	W	21				17	CENTRAL ALASKA. <AGS-P>. ML 3.0 (PMR).
	28	14	17	10.2	26.348	S	66.602	W	225	*	4.8	1.1	29	CATAMARCA PROVINCE, ARGENTINA
	28	15	05	43.3*	36.110	N	27.122	E	10	G		1.1	7	DODECANESE ISLANDS. MD 3.7 (ATH).
	28	16	22	31.2*	40.141	N	20.549	E	10	G		1.3	5	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	28	16	38	06.7	46.992	N	113.895	W	5	G		0.5	9	MONTANA. ML 3.2 (NEIS), 2.9 (BUT).
a	28	16	50	59.2*	41.243	S	85.491	E	10	G	5.3 4.9	1.1	25	SOUTHEAST INDIAN RISE
	28	17	20	33.9?	24.59	N	123.42	E	33	N		0.5	6	SOUTHWESTERN RYUKYU ISLANDS
	28	17	29	20.4*	66.974	N	20.954	E	10	G		1.2	6	SWEDEN. MD 3.2 (BER).
	28	18	35	41.8%	43.226	N	11.313	E	10	G		0.2	7	CENTRAL ITALY
	28	19	19	30.6	45.035	N	14.524	E	10	G		0.8	18	YUGOSLAVIA. ML 2.9 (VIE), 2.8 (ZAG). Felt (V) at Punat and on Krk.
f	28	19	44	47.1	13.559	S	167.079	E	176	G	6.0	1.1	349	VANUATU ISLANDS. mb 6.0 (PAS). Mo=1.6*10**19 Nm (PPT). Depth from broadband displacement seismograms.
	28	20	43	40.8	51.284	N	176.760	W	33	N	5.0	0.9	61	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR). Felt (IV) on Adak.
	28	22	09	48.8?	0.00	S	79.12	W	10	G		0.1	6	ECUADOR
	28	22	57	13.9	34.942	N	134.256	E	26		4.9	1.0	52	NEAR S. COAST OF SOUTHERN HONSHU
	29	00	22	44.7	46.152	N	14.241	E	10	G		0.4	7	YUGOSLAVIA. MD 2.3 (TRI), 2.2 (LJU). Felt at Skofja Loka.
	29	00	55	54.7*	33.012	S	68.146	W	172	*	4.4	1.1	19	MENDOZA PROVINCE, ARGENTINA
	29	01	23	44.6	5.092	N	31.973	E	10	G	4.5	1.1	20	SUDAN
	29	02	17	01.2&	60.346	N	147.652	W	9				31	SOUTHERN ALASKA. <AGS-P>.
	29	02	55	14.7&	59.687	N	151.101	W	15				21	KENAI PENINSULA, ALASKA. <AGS-P>.
	29	03	33	15.7*	28.894	N	60.970	E	33	N	4.7	0.9	17	SOUTHERN IRAN
	29	04	46	01.8?	32.90	S	72.70	W	33	N		0.5	7	OFF COAST OF CENTRAL CHILE
	29	05	01	23.7*	23.170	S	66.925	W	256	?		1.2	8	JUJUY PROVINCE, ARGENTINA
	29	05	06	08.7	45.255	N	26.985	E	10	G		1.4	12	ROMANIA
	29	07	49	45.1?	3.86	N	77.71	W	33	N		0.5	7	NEAR WEST COAST OF COLOMBIA
	29	08	03	17.1&	46.158	N	122.864	W	23				62	WASHINGTON. <SEA>. CL 2.9 (SEA).
	29	08	19	19.2&	46.164	N	122.865	W	22				49	WASHINGTON. <SEA>. CL 2.6 (SEA).
	29	10	22	26.8*	6.911	S	143.703	E	33	N	4.8	1.3	10	PAPUA NEW GUINEA
	29	11	16	10.9	8.701	S	122.385	E	33	N	5.0	1.2	29	FLORES ISLAND REGION
	29	11	43	59.2?	4.71	S	143.97	E	143	?	4.3	0.0	5	PAPUA NEW GUINEA
a	29	12	01	55.4*	33.394	S	77.580	E	10	G	5.1 4.8	1.2	26	MID-INDIAN RISE
	29	12	16	16.3?	44.03	N	11.98	E	10	G		0.8	4	NORTHERN ITALY
	29	12	32	33.3	5.579	S	141.876	E	22	D	5.0 4.5	1.1	63	PAPUA NEW GUINEA
	29	12	58	54.0	37.768	N	72.488	E	92	?	4.8	0.9	39	TAJIK SSR
	29	13	08	25.2*	47.360	N	153.201	E	33	N	4.6 4.3	0.8	28	KURIL ISLANDS
	29	13	43	50.3	48.354	N	7.520	E	10	G		0.3	9	FRANCE. ML 2.4 (LDG).
	29	14	22	34.4?	3.45	S	149.06	E	33	N	4.4	0.7	5	BISMARCK SEA
	29	14	59	49.7?	18.06	S	167.72	E	10	G	4.4 3.9	1.5	8	VANUATU ISLANDS
	29	15	54	53.4&	61.085	N	150.149	W	31				35	SOUTHERN ALASKA. <AGS-P>.
	29	16	11	30.4	51.426	N	178.266	W	57		5.1	0.8	189	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (IV) on Adak.
	29	16	28	51.0	36.449	N	28.279	E	33	N		1.0	16	DODECANESE ISLANDS. ML 4.1 (ATH).
	29	17	53	09.4	28.896	N	60.849	E	33	N	4.8 3.9	1.2	35	SOUTHERN IRAN
	29	18	39	33.1*	12.180	N	142.465	E	33	N	5.0 4.7	0.8	10	SOUTH OF MARIANA ISLANDS
	29	19	21	45.2&	37.777	N	118.895	W	5	G			4	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.5 (BRK).
	29	19	56	27.1*	44.162	N	8.548	E	10	G		0.5	9	NORTHERN ITALY. ML 2.3 (LDG), 2.1 (GEN).
	29	20	58	20.7&	33.810	N	118.110	W	13				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.3 (PAS). Felt at Long Beach.
	29	21	39	10.7%	38.420	N	16.129	E	18	*		0.7	9	SOUTHERN ITALY
a	29	21	39	43.7	13.100	N	145.232	E	53		5.3 4.9	1.2	110	MARIANA ISLANDS. Felt in central Guam.
	29	22	13	02.0&	60.081	N	152.514	W	92				32	SOUTHERN ALASKA. <AGS-P>.
	29	23	10	33.9*	20.788	S	68.287	W	102	*	5.0	1.0	12	CHILE-BOLIVIA BORDER REGION
	30	00	06	24.0*	41.815	N	101.505	W	5	G		0.7	5	NEBRASKA. mbLg 3.0 (NEIS).
	30	01	08	12.6	44.388	N	114.250	W	5	G	3.7	0.6	80	WESTERN IDAHO. ML 3.9 (NEIS). Felt (III) at Challis, Clayton and Ellis.
	30	01	32	10.9*	36.770	N	71.727	E	33	N	3.9	0.2	6	AFGHANISTAN-USSR BORDER REGION
	30	02	40	29.7	48.324	N	7.378	E	17			1.2	30	FRANCE. ML 3.2 (LDG), 3.2 (VIE), 2.7 (GRF).
o	30	03	15	03.0	13.038	N	145.390	E	49		5.1 5.3	1.1	114	MARIANA ISLANDS
	30	03	42	15.3%	18.015	N	67.039	W	10	G		0.7	7	MONA PASSAGE
	30	03	59	35.6?	46.00	N	26.74	E	110	?		0.3	6	ROMANIA
	30	04	34	31.4*	5.957	S	149.427	E	74	*	4.3	1.0	13	NEW BRITAIN REGION
o	30	06	13	17.5	13.088	N	145.277	E	56		5.1	1.1	104	MARIANA ISLANDS
	30	06	24	03.9	29.028	N	60.855	E	33	N	4.9	0.9	52	SOUTHERN IRAN
	30	06	49	22.7	52.705	N	160.570	E	33	N	4.9 5.5	1.1	52	OFF EAST COAST OF KAMCHATKA
	30	07	14	44.8?	28.45	N	131.72	E	33	N	4.8	1.5	9	RYUKYU ISLANDS REGION
	30	07	48	57.9	52.780	N	160.647	E	33	N	4.7	0.9	36	OFF EAST COAST OF KAMCHATKA
	30	08	26	56.4?	15.86	N	119.32	E	33	N	4.4	0.5	6	LUZON, PHILIPPINE ISLANDS
o	30	09	13	15.9	41.781	N	126.907	W	10	G	4.7 4.3	0.9	150	OFF COAST OF NORTHERN CALIFORNIA
	30	10	09	41.9&	36.623	N	117.267	W	5	G			10	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.1 (BRK).
	30	10	23	36.3?	33.30	N	140.20	E	204	?	4.3	0.8	13	SOUTH OF HONSHU, JAPAN
	30	10	43	38.9?	34.83	N	26.70	E	10	G		0.2	5	CRETE. MD 3.9 (ATH).
	30	10	50	03.0*	41.718	N	126.916	W	10	G	3.9	0.6	36	OFF COAST OF NORTHERN CALIFORNIA
	30	11	21	38.0*	23.572	S	179.367	W	578	*	5.0	0.5	14	SOUTH OF FIJI ISLANDS
	30	12	20	38.2?	16.18	S	178.41	W	341	?	4.4	1.5	10	FIJI ISLANDS REGION
	30	12	45	24.8*	12.964	N	145.380	E	56	*	4.6	0.9	17	SOUTH OF MARIANA ISLANDS
	30	13	08	39.1	30.762	S	71.501	W	70	*	4.9	1.2	42	NEAR COAST OF CENTRAL CHILE
	30	14	12	15.5&	36.652	N	121.320	W	4				11	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	30	14	21	38.3*	6.680	S	147.547	E	62		5.0	0.6	18	EAST PAPUA NEW GUINEA REGION
	30	16	11	50.7&	37.092	N	121.963	W	17				7	CENTRAL CALIFORNIA. <BRK>. ML 2.1 (BRK). Felt in the Santa Cruz area.
	30	16	26	25.4%	38.138	N	15.832	E	19			0.4	9	SICILY
	30	18	08	34.0	43.334	N	0.602	W	10	G		0.9	14	PYRENEES. ML 2.5 (LDG). MD 2.4 (STR).
	30	18	32	29.6?	7.92	S	128.05	E	159	?		1.1	6	BANDA SEA
	30	18	54	25.0	45.641	N	26.430	E	77		4.4	1.3	109	ROMANIA. Felt (V) in the Vroncea region.
f	30	19	05	02.4	24.248	N	125.215	E	35	G	5.9 6.2	1.0	327	SOUTHWESTERN RYUKYU ISLANDS. Ms 5.8 (BRK). Depth from broadband displacement seismograms.
	30	19	29	53.5?	31.21	N	90.24	E	33	N	4.0	0.5	7	TIBET
	30	20	37	54.9?	39.88	N	62.69	E	33	N	4.4	0.1	6	TURKMEN SSR
	30	21	03	47.8*	24.606	N	125.040	E	33	N	3.9	1.1	11	SOUTHWESTERN RYUKYU ISLANDS
	30	21	23	00.8	38.795	N	70.829	E	33	N	5.0	1.0	78	AFGHANISTAN-USSR BORDER REGION

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30   21 48 48 2? 51.69  N   16.42  E   10 G            0 6    8  POLAND  ML 3.6 (GRF), 3.4 (VKA).
30   21 56 59 4& 62.092 N  149.101 W    5                     27  CENTRAL ALASKA. <AGS-P>.
30   22 08 44.0* 16.087 N  120.512 E   37 *  4.9 4.2   0 9   29  LUZON, PHILIPPINE ISLANDS
30   22 57 18.7  41.439 N   22.743 E   10 G            0.8    9  YUGOSLAVIA. MD 3.0 (ATH).
30   23 21 17.3* 13.142 N  145.064 E   68    4.4       0.7   15  MARIANA ISLANDS
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A D D I T I O N A L S O U R C E P A R A M E T E R S

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02 04 26 48.07   0.143S  80.283W  14km
   5.8mb ( 77 obs.)  6.1Msz ( 36 obs.)
   NEAR COAST OF ECUADOR
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=160 Dip=82 Slip=  90
    NP2:        340      8        90
   Principal Axes:
     T                 Plg=53  Azm= 70
     P                   37       250
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting. The preferred fault
     plane is NP2.
   RADIATED ENERGY
    No. of sta:   7  Focal mech.  F
    Energy        2.6±0.9*10**13 Nm
   MOMENT TENSOR SOLUTION
   Dep   7            No. of sta: 11
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  9.21  Plg=36  Azm= 94
     N        0.16      40      326
     P       -9.36      29      208
   Best Double Couple:Mo=9.3*10**18
    NP1:Strike=244 Dip=40 Slip=   7
    NP2:        149      86      130
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 36C  M.W.: 11S, 22C
   Centroid Location:
   Origin Time        04:26:58.0 0.2
   Lat  0.15S 0.02 Lon  80.58W 0.02
   Dep  21.2 BDY Half-duration  5.0
   Principal Axes.
     Scale 10**18 Nm
     T  Val=  2.55  Plg=67  Azm= 62
     N        0.04      11      180
     P       -2.59      20      273
   Best Double Couple:Mo=2.6*10**18
    NP1:Strike= 22 Dip=27 Slip= 115
    NP2:        174      65       78

02 10 06 52.08  41.210S  90.129W  10km
   5.0mb (  8 obs.)  5.0Msz (  2 obs.)
   SOUTHERN PACIFIC OCEAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.. 17S, 38C
   Centroid Location:
   Origin Time        10:06:59.8 0.3
   Lat 40 86S 0.04 Lon  90.37W 0.06
   Dep  15.0 FIX Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.68  Plg= 9  Azm=243
     N       -0.29      39      340
     P       -2.39      50      143
   Best Double Couple:Mo=2.5*10**17
    NP1:Strike=297 Dip=49 Slip=-145
    NP2:        183      64      -46

02 12 51 17.67   3.134S 148.134E  41km
   5.3mb ( 21 obs.)  5.4Msz (  4 abs.)
   BISMARCK SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.  13S, 32C
   Centroid Location:
   Origin Time        12:51:13.7 0.4
   Lat  3.44S 0.04 Lon 148.35E 0.04
   Dep  15.0 BDY Half-duration  3.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  5.20  Plg= 3  Azm=336
     N        0.43      81      228
     P       -5.63       8       66
   Best Double Couple:Mo=5.4*10**17
    NP1:Strike=111 Dip=82 Slip=  -4
    NP2:        201      86     -172

02 13 05 07.30   3.197S 148.225E  23km
   5.4mb ( 30 obs.)  5.8Msz ( 16 obs.)
   BISMARCK SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 28C
   Centroid Location:
   Origin Time        13:05:12.6 0.6
   Lat  2.96S 0.05 Lon 147.97E 0.05
   Dep  15.0 FIX Half-duration  3.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val= 10.23  Plg= 0  Azm=333
     N        0.62      77      241
     P      -10.84      13       63
   Best Double Couple:Mo=1.1*10**18
    NP1:Strike=107 Dip=80 Slip=  -9
    NP2:        198      81     -170

03 00 39 01.57   3.140S 148.174E  52km
   5.4mb ( 17 obs.)  5.1Msz (  4 abs.)
   BISMARCK SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 23C
   Centroid Location:
   Origin Time        00:39: 8.3 1.1
   Lat  2.38S 0.11 Lon 148.45E 0.05
   Dep  15.0 BDY Half-duration  1.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.99  Plg=57  Azm=167
     N       -0.07      19      288
     P       -1.92      26       28
   Best Double Couple:Mo=2.0*10**17
    NP1:Strike=155 Dip=25 Slip= 140
    NP2:        283      74       70

03 02 40 59.11  36.409N  70.671E 202km
   4.9mb ( 76 obs.)
   HINDU KUSH REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 14C
   Centroid Location:
   Origin Time        02:41: 3.3 1.3
   Lat 36.38N 0.09 Lon  70.45E 0.13
   Dep 208.2 5.1 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  8.79  Plg=57  Azm= 10
     N        0.74       3      105
     P       -9.53      33      196
   Best Double Couple:Mo=9.2*10**16
    NP1:Strike=298 Dip=12 Slip= 103
    NP2:        104      78       87

04 01 48 00.76   0.479S  29.085E  10km
   5.0mb ( 41 abs.)  5.0Msz (  8 obs.)
   ZAIRE REPUBLIC
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 23C
   Centroid Location:
   Origin Time        01:48: 8.1 1.4
   Lat  0.12S 0.13 Lon  29 42E 0.08
   Dep  15.0 FIX Half-duration  1.9
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.23  Plg=13  Azm= 92
     N       -0.14      76      295
     P       -1.09       5      184
   Best Double Couple:Mo=1.2*10**17
    NP1:Strike=229 Dip=77 Slip=   6
    NP2:        137      84      167

04 04 22 11.00   5.213S 152.536E  55km
   5.2mb ( 14 obs.)  5.1Msz (  3 obs.)
   NEW BRITAIN REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 20C
   Centroid Location:
   Origin Time        04:22:24.1 1.8
   Lat  4.45S 0.12 Lon 152.68E 0.09
   Dep  15.0 FIX Half-duration  2.0
   Principal Axes:
     Scale 10**16 Nm
     T  Val= 10.36  Plg=69  Azm=340
     N        1.25       0       71
     P      -11.61      21      161
   Best Double Couple:Mo=1.1*10**17
    NP1:Strike=251 Dip=24 Slip=  91
    NP2:         70      66       90

04 08 03 04.26  19.803N  75.690W  33km
   5.2mb ( 48 abs.)  4.5Msz (  8 abs.)
   CUBA REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 15C
   Centroid Location:
   Origin Time        08:03: 5.7 3.5
   Lat 19.86N 0.32 Lon  75.58W 0.26
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  8.31  Plg=49  Azm=123
     N       -2.01      19       10
     P       -6.30      35      265
   Best Double Couple:Mo=7.3*10**16
    NP1:Strike=302 Dip=21 Slip=  21
    NP2:        192      83      109

04 13 27 18.28  51.583N 173.847W  53km
   5.0mb ( 44 obs.)
   ANDREANOF ISLANDS, ALEUTIAN IS.
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 20C
   Centroid Location:
   Origin Time        13:27:18.6 0.9
   Lat 51.92N 0.10 Lon 173.91W 0.11
   Dep  33.0 FIX Half-duration  1.7
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  5.70  Plg=63  Azm=351
     N        1.97      10      240
     P       -7.67      25      146
   Best Double Couple:Mo=6.7*10**16
    NP1:Strike=215 Dip=22 Slip=  63
    NP2:         64      70      101

04 19 57 12.26   7.177S 146.036E 161km
   5.1mb ( 28 obs.)
   EAST PAPUA NEW GUINEA REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 23C
   Centroid Location:
   Origin Time        19:57:24.7 1.4
   Lat  6.33S 0.15 Lon 145.93E 0.09
   Dep 170.1 3.0 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  7.47  Plg=29  Azm=243
     N       -0.34      21      141
     P       -7.13      53       20
   Best Double Couple:Mo=7.3*10**16
    NP1:Strike= 17 Dip=25 Slip= -31
    NP2:        136      77     -112

04 23 15 11.35  31.262S  69.063W 112km
   5.5mb ( 42 abs.)
   SAN JUAN PROVINCE, ARGENTINA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 31C
   Centroid Location:
   Origin Time        23:15:18.4 0.2
   Lat 30.92S 0.04 Lon  68.66W 0.04
   Dep 118.4 1.1 Half-duration  2.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.73  Plg= 1  Azm=126
     N       -0.54       1      216
     P       -4.19      88      356
   Best Double Couple:Mo=4.5*10**17
    NP1:Strike=215 Dip=44 Slip= -92
    NP2:         37      46      -88
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05 07 11 05 00   8.461N 126.506E  84km
   5.5mb ( 44 obs.)
   MINDANAO, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 30C
   Centroid Location:
   Origin Time        07:11:10.0 1.1
   Lat  8.87N 0.08 Lon 126.90E 0.05
   Dep  50.8 4.0 Half-duration  3.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.67  Plg=82  Azm=242
     N        0.56       6       17
     P       -5.22       6      107
   Best Double Couple:Mo=4.9*10**17
    NP1:Strike=204 Dip=40 Slip=  99
    NP2:        12      51       82

07 00 12 26.21   5.443N  31.686E  10km
   5.2mb ( 58 obs.)  5.2Msz (  9 obs.)
   SUDAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 30C
   Centroid Location:
   Origin Time        00:12:23.5 1.4
   Lat  5.10N 0.09 Lon  31.56E 0.05
   Dep  15.0 BDY Half-duration  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.24  Plg=15  Azm=352
     N        0.25      35       93
     P       -2.49      51      243
   Best Double Couple:Mo=2.4*10**17
    NP1:Strike= 44 Dip=43 Slip=-147
    NP2:       289      68      -52

07 11 34 35.53  31.071S 178.397W  10km
   5.5mb ( 25 obs.)  5.3Msz (  2 obs.)
   KERMADEC ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 26C
   Centroid Location:
   Origin Time        11:34:52.6 1.6
   Lat 30.88S 0.13 Lon 179.02W 0.12
   Dep  51.2 5.5 Half-duration  1.7
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  9.56  Plg=51  Azm=220
     N        0.08      37       19
     P       -9.63      10      117
   Best Double Couple:Mo=9.6*10**16
    NP1:Strike=243 Dip=48 Slip= 145
    NP2:       358      65       48

07 16 09 19.62  24.260S  66.957W 161km
   5.5mb ( 41 obs.)
   SALTA PROVINCE, ARGENTINA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 25C
   Centroid Location:
   Origin Time        16:09:29.7 0.4
   Lat 24.29S 0.07 Lon  66.74W 0.05
   Dep 191.4 2.2 Half-duration  1.9
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.72  Plg=18  Azm=  88
     N       -0.59      20      351
     P       -1.13      62      217
   Best Double Couple:Mo=1.4*10**17
    NP1:Strike=207 Dip=32 Slip= -50
    NP2:       342      66     -112

07 18 05 26.02   1.078S 124.582E  59km
   5.5mb ( 32 obs.)
   MOLUCCA SEA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 25C
   Centroid Location:
   Origin Time        18:05:31.2 0.7
   Lat  1.02S 0.06 Lon 124.71E 0.04
   Dep  56.7 3.6 Half-duration  1.9
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.33  Plg=74  Azm=333
     N        0.16      14      180
     P       -1.50       7       89
   Best Double Couple:Mo=1.4*10**17
    NP1:Strike=162 Dip=40 Slip=  67
    NP2:        11      54      108

08 18 46 29.83   7.338S 155.892E  30km
   5.4mb ( 21 obs.)  5.0Msz (  3 obs.)
   SOLOMON ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 23C
   Centroid Location:
   Origin Time        18:46:27.8 1.3
   Lat  7.98S 0.12 Lon 156.06E 0.06
   Dep  15.0 FIX Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.53  Plg=68  Azm=  30
     N        0.14       1      124
     P       -2.67      22      214
   Best Double Couple:Mo=2.6*10**17
    NP1:Strike=307 Dip=23 Slip=  94
    NP2:       123      67       89

08 18 51 45.24  24.449S 177.227W 132km
   5.4mb ( 15 obs.)
   SOUTH OF FIJI ISLANDS
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 17C
   Centroid Location:
   Origin Time        18:51:51.4 0.8
   Lat 24.31S 0.10 Lon 177.19W 0.06
   Dep 133.4 2.7 Half-duration  2.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.74  Plg=23  Azm=  84
     N       -0.27      15      180
     P       -4.46      62      301
   Best Double Couple:Mo=4.6*10**17
    NP1:Strike=147 Dip=26 Slip=-126
    NP2:         6      69      -74

08 19 33 18.85  27.500N  66.092E  28km
   5.5mb ( 70 obs.)  5.1Msz ( 14 obs.)
   PAKISTAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 23C
   Centroid Location:
   Origin Time        19:33:20.8 0.9
   Lat 27.55N 0.09 Lon  66.23E 0.10
   Dep  15.0 FIX Half-duration  2.4
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.91  Plg=19  Azm=  60
     N        0.44      71      247
     P       -2.35       2      151
   Best Double Couple:Mo=2.1*10**17
    NP1:Strike=197 Dip=75 Slip=  12
    NP2:       104      78      165

08 20 31 57.75  20.548S 174.173W  33km
   5.6mb ( 51 obs.)  5.7Msz ( 17 obs.)
   TONGA ISLANDS
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=340 Dip=76 Slip=  90
    NP2:       160      14       90
   Principal Axes:
     T                Plg=59  Azm=250
     P                   31       70
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting. The preferred fault
     plane is NP2.
   RADIATED ENERGY
    No. of sta:   7  Focal mech.  F
    Energy        3.4±1.2*10**12 Nm
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 30C
   Centroid Location:
   Origin Time        20:32: 6.5 0.4
   Lat 20.39S 0.03 Lon 173.96W 0.03
   Dep  21.2 1.3 Half-duration  4.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val= 11.43  Plg=71  Azm=295
     N        2.01       3      197
     P      -13.43      19      106
   Best Double Couple:Mo=1.2*10**18
    NP1:Strike=191 Dip=26 Slip=  83
    NP2:        18      64       93

09 02 14 51.08  56.654N  34.395W  10km
   5.4mb ( 56 obs.)  5.2Msz ( 14 obs.)
   NORTH ATLANTIC OCEAN
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 29C
   Centroid Location:
   Origin Time        02:14:56.4 0.4
   Lat 56.40N 0.07 Lon  34.43W 0.05
   Dep  15.0 FIX Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.51  Plg=11  Azm=278
     N        0.07       8        9
     P       -1.58      77      135
   Best Double Couple:Mo=1.5*10**17
    NP1:Strike=358 Dip=35 Slip=-104
    NP2:       194      56      -81

09 02 50 26.62  28.032N 139.316E 533km
   5.0mb ( 44 obs.)
   BONIN ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 10S, 18C
   Centroid Location:
   Origin Time        02:50:22.7 2.3
   Lat 27.34N 0.22 Lon 139.26E 0.10
   Dep 531.2 4.7 Half-duration  2.0
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.70  Plg=  1  Azm=169
     N       -0.07      26       79
     P       -1.63      64      261
   Best Double Couple:Mo=1.7*10**17
    NP1:Strike=283 Dip=50 Slip= -55
    NP2:        56      51     -124

09 05 35 45.91   5.178S 151.729E  74km
   5.8mb ( 45 obs.)
   NEW BRITAIN REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 31C
   Centroid Location:
   Origin Time        05:35:56.0 0.7
   Lat  4.76S 0.06 Lon 152.03E 0.04
   Dep  38.4 2.3 Half-duration  3.8
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  1.30  Plg=70  Azm=  24
     N       -0.12      12      260
     P       -1.17      16      166
   Best Double Couple:Mo=1.2*10**18
    NP1:Strike=239 Dip=31 Slip=  67
    NP2:        86      62      103

09 22 29 27.40   1.126N 123.006E  34km
   5.5mb ( 36 obs.)  5.1Msz (  9 obs.)
   MINAHASSA PENINSULA
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 28C
   Centroid Location:
   Origin Time        22:29:31.0 0.5
   Lat  1.46N 0.04 Lon 123.17E 0.03
   Dep  41.5 2.9 Half-duration  2.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  4.20  Plg=64  Azm=188
     N       -0.22       2       94
     P       -3.98      26        4
   Best Double Couple:Mo=4.1*10**17
    NP1:Strike= 89 Dip=19 Slip=  85
    NP2:       275      71       92

10 03 51 24.06  46.577N 155.467E  23km
   5.3mb ( 53 obs.)  4.6Msz (  6 obs.)
   KURIL ISLANDS REGION
   CENTROID, MOMENT TENSOR     (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 24C
   Centroid Location:
   Origin Time        03:51:27.9 0.4
   Lat 46.63N 0.07 Lon 155.65E 0.06
   Dep  37.7 4.6 Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  8.33  Plg=62  Azm=133
     N        2.99      11       22
     P      -11.32      25      287
   Best Double Couple:Mo=9.8*10**16
    NP1:Strike=354 Dip=22 Slip=  60
    NP2:       206      71      101
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```
10 07 30 07.60  52.301N 178.692W 143km
   5.2mb ( 28 obs.)
   ANDREANOF ISLANDS, ALEUTIAN IS.
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 20C
   Centroid Location:
   Origin Time        07:30: 8.4 1.1
   Lat 52.36N 0.15 Lon 178.62W 0.12
   Dep 142.1 3.7 Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  6.04  Plg=22  Azm= 92
     N        1.32       46      337
     P       -7.36       36      199
   Best Double Couple:Mo=6.7*10**16
    NP1:Strike=230 Dip=47 Slip= -12
    NP2:        328      81     -136

11 14 09 02.53  22.692N 120.909E  33km
   5.8mb ( 95 obs.)  5.6Msz ( 13 obs.)
   TAIWAN
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike=195 Dip=70 Slip=  90
    NP2:         15      20      90
   Principal Axes:
     T                Plg=65  Azm=105
     P                    25      285
   Comment: The focal mechanism is
     poorly controlled and
     corresponds to reverse
     faulting. The preferred fault
     plane is NP2.
   RADIATED ENERGY
    No. of sta:   6  Focal mech.  C
    Energy        9.9±2.0*10**12 Nm
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 19C
   Centroid Location:
   Origin Time        14:08:59.0 1.2
   Lat 22.24N 0.12 Lon 120.42E 0.05
   Dep  39.4 4.2 Half-duration  3.7
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  5.70  Plg=64  Azm=136
     N       -0.57       14       15
     P       -5.13       21      279
   Best Double Couple:Mo=5.4*10**17
    NP1:Strike=345 Dip=27 Slip=  57
    NP2:        201      68      105

12 00 39 24.26   0.478S  98.315E  33km
   5.1mb ( 19 obs.)  5.0Msz (  3 obs.)
   SOUTHERN SUMATERA
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 18C
   Centroid Location:
   Origin Time        00:39:26.0 0.8
   Lat  0.86S 0.10 Lon  98.01E 0.10
   Dep  15.0 FIX Half-duration  1.8
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  7.17  Plg=56  Azm=346
     N        1.36       17      103
     P       -8.53       28      203
   Best Double Couple:Mo=7.8*10**16
    NP1:Strike=330 Dip=23 Slip= 139
    NP2:         99      75       72

12 10 21 49.30   6.355N 126.379E  90km
   5.6mb ( 36 obs.)
   MINDANAO, PHILIPPINE ISLANDS
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 18C
   Centroid Location:
   Origin Time        10:21:53.2 1.0
   Lat  6.62N 0.10 Lon 126.39E 0.06
   Dep  58.7 6.6 Half-duration  1.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.28  Plg=54  Azm=247
     N        0.18       13      356
     P       -1.46       33       94
   Best Double Couple:Mo=1.4*10**17
    NP1:Strike=224 Dip=17 Slip= 139
    NP2:        353      79       77

12 15 28 35.53  15.120N  59.267E  10km
   5.5mb ( 75 obs.)  4.7Msz ( 10 obs.)
   ARABIAN SEA
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 20C
   Centroid Location:
   Origin Time        15:28:27.7 1.4
   Lat 14.53N 0.10 Lon  59.11E 0.05
   Dep  15.0 FIX Half-duration  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.72  Plg=20  Azm=178
     N        0.10       5      270
     P       -1.83      69       12
   Best Double Couple:Mo=1.8*10**17
    NP1:Strike=260 Dip=25 Slip=-101
    NP2:         92      65      -85

12 20 16 18.96  60.447S  65.029W  10km
   5.5mb ( 19 obs.)  5.2Msz (  9 obs.)
   DRAKE PASSAGE
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 17C
   Centroid Location:
   Origin Time        20:16:24.7 0.2
   Lat 60.47S 0.03 Lon  65.29W 0.09
   Dep  15.0 FIX Half-duration  3.1
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  6.07  Plg=17  Azm=148
     N        0.06      72      314
     P       -6.12       4       57
   Best Double Couple:Mo=6.1*10**17
    NP1:Strike=191 Dip=75 Slip= 170
    NP2:        284      81       15

13 02 58 46.55  33.495N 140.992E  51km
   5.4mb ( 74 obs.)
   SOUTH OF HONSHU, JAPAN
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  9S, 18C
   Centroid Location:
   Origin Time        02:58:45.8 0.6
   Lat 33.43N 0.06 Lon 141.04E 0.05
   Dep  35.8 3.7 Half-duration  2.1
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.60  Plg=74  Azm=126
     N        0.04       3       25
     P       -1.64      15      294
   Best Double Couple:Mo=1.6*10**17
    NP1:Strike= 19 Dip=30 Slip=  84
    NP2:        206      60       93

14 07 00 02.69  51.457N 164.118W  33km
   5.7mb (100 obs.)  5.0Msz ( 14 obs.)
   SOUTH OF ALASKA
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.:  8S, 18C
   Centroid Location:
   Origin Time        07:00: 3.4 0.4
   Lat 51.86N 0.04 Lon 164.02W 0.05
   Dep  21.8 BDY Half-duration  2.8
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.32  Plg= 8  Azm=335
     N       -0.86      71       90
     P       -2.46      17      243
   Best Double Couple:Mo=2.9*10**17
    NP1:Strike= 20 Dip=72 Slip=-174
    NP2:        288      84      -18

14 09 20 18.91  60.689S  22.794W  33km
   5.9mb ( 28 obs.)  5.5Msz ( 12 obs.)
   SOUTH SANDWICH ISLANDS REGION
   FAULT PLANE SOLUTION: P-Waves
    NP1:Strike= 30 Dip=80 Slip=   5
    NP2:        299      85      170
   Principal Axes:
     T                Plg=11  Azm=254
     P                     4      345
   Comment: The focal mechanism is
     moderately well controlled and
     corresponds to strike-slip
     faulting with a small reverse
     component. The preferred fault
     plane is not determined.
   MOMENT TENSOR SOLUTION
   Dep  13            No. of sta:  3
   Principal Axes:
     Scale 10**18 Nm
     T  Val=  2.05  Plg=10  Azm=259
     N       -0.37      80       58
     P       -1.68       4      168
   Best Double Couple:Mo=1.9*10**18
    NP1:Strike=303 Dip=81 Slip= 176
    NP2:         34      86        9
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 29C
   Centroid Location:
   Origin Time        09:20:20.6 0.2
   Lat 61.38S 0.04 Lon  22.38W 0.08
   Dep  15.0 BDY Half-duration  3.6
   Principal Axes:
     Scale 10**17 Nm
     T  Val= 13.15  Plg=24  Azm=329
     N       -2.54       9       64
     P      -10.61      64      172
   Best Double Couple:Mo=1.2*10**18
    NP1:Strike= 41 Dip=22 Slip=-114
    NP2:        247      70      -80

14 20 40 18.35  13.382N  51.456E  10km
   5.4mb ( 67 obs.)  4.8Msz ( 13 obs.)
   EASTERN GULF OF ADEN
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 28C
   Centroid Location:
   Origin Time        20:40:22.4 0.6
   Lat 13.66N 0.05 Lon  51.06E 0.03
   Dep  15.0 FIX Half-duration  2.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.00  Plg= 0  Azm=162
     N       -0.04      90      180
     P       -1.96       0       72
   Best Double Couple:Mo=2.0*10**17
    NP1:Strike=207 Dip=90 Slip=-180
    NP2:        297      90        0

15 19 22 52.84   5.205S 133.816E  30km
   5.3mb ( 15 obs.)
   AROE ISLANDS REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 20C
   Centroid Location:
   Origin Time        19:22:55.7 0.7
   Lat  4.98S 0.10 Lon 133.80E 0.08
   Dep  15.0 FIX Half-duration  1.6
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  7.61  Plg=18  Azm=279
     N        1.70      23      181
     P       -9.31      60       44
   Best Double Couple:Mo=8.5*10**16
    NP1:Strike= 41 Dip=34 Slip= -45
    NP2:        171      67     -115

15 23 07 42.86  64.655N  17.617W  10km
   5.5mb ( 58 obs.)  5.2Msz ( 13 obs.)
   ICELAND
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 11S, 29C
   Centroid Location:
   Origin Time        23:07:49.8 0.4
   Lat 64.48N 0.06 Lon  17.35W 0.13
   Dep  15.0 FIX Half-duration  2.3
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  3.44  Plg=75  Azm=328
     N       -1.24       6       80
     P       -2.20      14      172
   Best Double Couple:Mo=2.8*10**17
    NP1:Strike=270 Dip=32 Slip= 101
    NP2:         77      59       83

16 03 42 16.71   6.161S 146.782E 104km
   5.6mb ( 33 obs.)
   EAST PAPUA NEW GUINEA REGION
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 14S, 26C
   Centroid Location:
   Origin Time        03:42:21.5 0.3
   Lat  6.01S 0.03 Lon 146.75E 0.03
   Dep  99.6 2.2 Half-duration  2.2
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  2.45  Plg= 2  Azm=213
     N       -0.24      65      120
     P       -2.21      25      304
```

Best Double Couple:Mo=2.3*10**17
NP1:Strike=346 Dip=71 Slip= -17
NP2: 81 74 -161

17 11 57 24.11 5.917S 103.796E 59km
5.7mb (55 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 11:57:25.8 0.3
Lat 6.39S 0.03 Lon 103.83E 0.04
Dep 53.6 2.8 Half-duration 3.8
Principal Axes:
Scale 10**17 Nm
T Val= 6.09 Plg=16 Azm= 23
N 0.69 33 124
P -6.77 52 271
Best Double Couple:Mo=6.4*10**17
NP1:Strike= 75 Dip=41 Slip=-147
NP2: 319 69 -54

17 13 47 26.64 53.155S 159.632E 10km
6.0mb (40 obs.) 6.0Msz (21 obs.)
MACQUARIE ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=115 Dip=87 Slip= 10
NP2: 24 80 177
Principal Axes:
T Plg= 9 Azm=340
P 5 249
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 3 Focal mech. F
Energy 2.0±1.0*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 4
Principal Axes:
Scale 10**18 Nm
T Val= 3.80 Plg=14 Azm=343
N 0.03 76 178
P -3.83 4 73
Best Double Couple:Mo=3.8*10**18
NP1:Strike=119 Dip=78 Slip= 7
NP2: 27 83 168
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 35C M.W.: 13S, 33C
Centroid Location:
Origin Time 13:47:35.4 0.2
Lat 53.22S 0.01 Lon 159.16E 0.02
Dep 18.5 1.1 Half-duration 5.6
Principal Axes:
Scale 10**18 Nm
T Val= 4.76 Plg=12 Azm=345
N -0.60 77 139
P -4.16 6 254
Best Double Couple:Mo=4.5*10**18
NP1:Strike= 29 Dip=77 Slip= 175
NP2: 120 86 13

18 03 18 39.73 51.453N 177.899E 41km
5.6mb (106 obs.) 5.4Msz (23 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 30C
Centroid Location:
Origin Time 03:18:42.1 0.3
Lat 51.76N 0.04 Lon 177.85E 0.04
Dep 43.2 4.2 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.34 Plg=49 Azm= 32
N 0.70 17 281
P -5.04 36 178
Best Double Couple:Mo=4.7*10**17
NP1:Strike=215 Dip=19 Slip= 22
NP2: 103 83 107

20 23 13 40.67 41.690N 126.946W 10km
5.2mb (38 obs.) 4.9Msz (9 obs.)
OFF COAST OF NORTHERN CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 23:13:47.2 0.6
Lat 42.08N 0.06 Lon 127.44W 0.07
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 9.98 Plg= 0 Azm= 96
N -0.76 0 6
P -9.22 90 180
Best Double Couple:Mo=9.6*10**16
NP1:Strike=186 Dip=45 Slip= -90
NP2: 6 45 -90

21 03 19 00.37 12.995S 165.984E 33km
5.2mb (22 obs.) 5.3Msz (11 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 36C
Centroid Location:
Origin Time 03:19: 2.9 0.3
Lat 13.06S 0.05 Lon 166.09E 0.05
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.91 Plg=64 Azm= 59
N 0.04 7 163
P -2.95 25 257
Best Double Couple:Mo=2.9*10**17
NP1:Strike= 2 Dip=21 Slip= 110
NP2: 161 71 83

21 03 48 25.49 10.260S 161.160E 55km
5.4mb (21 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 03:48:34.5 1.0
Lat 10.38S 0.09 Lon 161.08E 0.08
Dep 97.2 4.5 Half-duration 1.9
Principal Axes:
Scale 10**16 Nm
T Val= 12.94 Plg=17 Azm=132
N -0.92 54 247
P -12.02 31 32
Best Double Couple:Mo=1.2*10**17
NP1:Strike=176 Dip=55 Slip=-169
NP2: 80 81 -35

22 20 53 57.58 15.469N 119.327E 33km
4.7mb (1 obs.) 5.3Msz (5 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 20:53:58.0 0.5
Lat 15.17N 0.06 Lon 119.06E 0.09
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 3.29 Plg=53 Azm=120
N 0.06 8 19
P -3.35 36 283
Best Double Couple:Mo=3.3*10**17
NP1:Strike=335 Dip=12 Slip= 45
NP2: 200 82 98

23 06 50 33.09 14.989S 173.632W 33km
5.6mb (31 obs.) 5.8Msz (18 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 44C
Centroid Location:
Origin Time 06:50:37.5 0.2
Lat 14.89S 0.03 Lon 173.55W 0.02
Dep 15.0 FIX Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 9.44 Plg=38 Azm=315
N 0.76 35 192
P -10.20 33 75
Best Double Couple:Mo=9.8*10**17
NP1:Strike=109 Dip=35 Slip= 5
NP2: 14 87 125

23 17 54 02.96 17.732S 167.612E 10km
5.4mb (18 obs.) 6.2Msz (26 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 41C M.W.: 12S, 24C
Centroid Location:
Origin Time 17:54:12.6 0.1
Lat 17.75S 0.02 Lon 167.59E 0.02
Dep 15.0 FIX Half-duration 5.2
Principal Axes:
Scale 10**18 Nm
T Val= 3.79 Plg=59 Azm= 66
N 0.06 6 167
P -3.85 30 260
Best Double Couple:Mo=3.8*10**18
NP1:Strike= 8 Dip=16 Slip= 113
NP2: 165 75 84

23 21 13 07.46 33.267N 138.643E 10km
6.0mb (75 obs.) 6.5Msz (22 obs.)
SOUTH OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=152 Dip=84 Slip=-176
NP2: 62 86 -6
Principal Axes:
T Plg= 1 Azm=107
P 7 17
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 12 Focal mech. F
Energy 1.7±0.5*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 16 No. of sta: 20
Principal Axes:
Scale 10**18 Nm
T Val= 7.76 Plg=10 Azm=266
N -1.01 77 130
P -6.74 9 358
Best Double Couple:Mo=7.2*10**18
NP1:Strike= 42 Dip=77 Slip= 0
NP2: 312 90 167
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C M.W.: 12S, 26C
Centroid Location:
Origin Time 21:13:15.3 0.2
Lat 33.19N 0.02 Lon 138.34E 0.02
Dep 16.9 1.8 Half-duration 7.4
Principal Axes:
Scale 10**18 Nm
T Val= 6.83 Plg= 2 Azm=260
N 0.51 86 134
P -7.34 3 351
Best Double Couple:Mo=7.1*10**18
NP1:Strike= 36 Dip=86 Slip= -1
NP2: 126 89 -176

24 01 58 01.92 17.590S 167.833E 26km
5.2mb (15 obs.) 5.5Msz (13 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 34C
Centroid Location:
Origin Time 01:58:10.1 0.3
Lat 17.66S 0.04 Lon 167.62E 0.04
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**17 Nm
T Val= 7.86 Plg=63 Azm= 62
N 0.71 9 170
P -8.58 25 265
Best Double Couple:Mo=8.2*10**17
NP1:Strike= 14 Dip=22 Slip= 115
NP2: 167 70 80

26 13 24 18.92 3.989S 102.385E 59km
5.6mb (26 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 13:24:27.0 0.8
Lat 4.23S 0.08 Lon 102.56E 0.09
Dep 54.2 7.8 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.46 Plg=67 Azm= 16
N -0.49 0 286
P -3.97 23 196
Best Double Couple:Mo=4.2*10**16

```
  NP1:Strike=285 Dip=22 Slip=  89
  NP2:        106     68        90

26 15 32 40.26  29.147N  60.906E  33km
  5.4mb ( 63 abs.)  5 4Msz ( 22 obs )
  SOUTHERN IRAN
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used· GDSN
  L.P.B.: 15S, 31C
  Centroid Location:
  Origin Time        15:32:39.6 0.4
  Lat 29.06N 0.03 Lon  60.51E 0.04
  Dep  15.0 FIX Half-duroticn  2.6
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  3.06  Plg= 0  Azm=144
    N       -0.25      90       180
    P       -2.81       0        54
  Best Double Couple:Mo=2.9*10**17
   NP1:Strike=189 Dip=90 Slip=-180
   NP2:        279     90         0

26 15 40 42.43  36.190S 100.795W  10km
  5.2mb (  5 obs.)  4.9Msz (  3 obs.)
  SOUTHERN PACIFIC OCEAN
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 17S, 38C
  Centroid Location:
  Origin Time        15:40:46.7 0.2
  Lat 36.38S 0.03 Lon 100.41W 0.03
  Dep  15.0 FIX Half-duration  2.6
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  3.44  Plg= 4  Azm= 52
    N       -0.32      82       176
    P       -3.12       6       321
  Best Double Couple:Mo=3.3*10**17
   NP1:Strike= 96 Dip=82 Slip=-179
   NP2:          6     89        -8

26 23 08 23.96  28.014S  26.727E   5km
  5.4mb ( 58 obs.)  4.2Msz (  9 obs.)
  REPUBLIC OF SOUTH AFRICA
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 14S, 20C
  Centraid Location:
  Origin Time        23:08:29.4 1.0
  Lat 27.92S 0.18 Lon  26.88E 0.11
  Dep  28.3 8.8 Half-duration  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  4.11  Plg= 4  Azm=261
    N       -1.05      20       169
    P       -3.06      70         1
  Best Dauble Couple:Mo=3.6*10**16
   NP1:Strike= 11 Dip=45 Slip= -61
   NP2:        153     52      -115

27 21 07 38.42  51.689N 176.307E  34km
  5.1mb ( 62 obs.)  4.7Msz (  3 obs.)
  RAT ISLANDS, ALEUTIAN ISLANDS
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 15S, 30C
  Centraid Location:
  Origin Time        21:07.40.2 1.0
  Lat 52.19N 0.12 Lon 176.18E 0.17
  Dep  15.0 FIX Half-duration  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Val= 10.54  Plg=53  Azm=315
    N       -0.31       2        48
    P      -10.23      37       139
  Best Double Cauple:Ma=1.0*10**17
   NP1:Strike=242 Dip= 8 Slip= 104
   NP2:         47     82        88

28 16 50 59.29  41.243S  85.491E  10km
  5.3mb ( 11 obs.)  4.9Msz (  2 obs.)
  SOUTHEAST INDIAN RISE
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 13S, 27C
  Centroid Location:
  Origin Time        16:51: 2.3 0.8
  Lat 41.29S 0.07 Lon  84.82E 0.08
  Dep  15.0 FIX Half-duration  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  6.96  Plg= 0  Azm=178
    N       -0.78      90       180
    P       -6.18       0        88
  Best Double Couple:Mo=6.6*10**16
   NP1:Strike=223 Dip=90 Slip=-180
   NP2:        313     90         0

28 19 44 47.12  13.559S 167.079E 176km
  6.0mb ( 45 obs.)
  VANUATU ISLANDS
  FAULT PLANE SOLUTION: P-Waves
   NP1:Strike=  5 Dip=41 Slip= 100
   NP2:        172     50        81
  Principol Axes:
    T                Plg=82  Azm= 32
    P                     4       268
  Camment: The focal mechanism is
    poorly controlled and
    corresponds to reverse
    faulting with a small strike-
    slip component. The preferred
    fault plane is not determined.
  RADIATED ENERGY
   No. of sto:  12  Focal mech.  M
   Energy        3.0±0.8*10**13 Nm
  MOMENT TENSOR SOLUTION
  Dep 182            No. of sta: 18
  Principal Axes:
    Scale 10**19 Nm
    T  Val=  1.32  Plg=85  Azm=155
    N       -0.03       4         7
    P       -1.29       3       277
  Best Double Couple:Mo=1.3*10**19
   NP1:Strike=  2 Dip=42 Slip=  83
   NP2:        191     48        96
  CENTROID, MOMENT TENSOR     (HRV)
  Dato Used: GDSN
  L.P.B.: 17S, 44C  M.W.: 13S, 28C
  Centroid Location.
  Origin Time        19:44:55.3 0.1
  Lot 13.47S 0.01 Lon 166.84E 0.01
  Dep 185.3 0.4 Half-duration  8.0
  Principal Axes:
    Scole 10**19 Nm
    T  Val=  1.23  Plg=80  Azm= 52
    N       -0.07       6       177
    P       -1.17       8       268
  Best Double Cauple:Ma=1.2*10**19
   NP1:Strike=  5 Dip=37 Slip= 100
   NP2:        173     53        83

29 12 01 55.43  33.394S  77.580E  10km
  5.1mb ( 13 obs.)  4.8Msz (  1 obs.)
  MID-INDIAN RISE
  CENTROID, MOMENT TENSOR     (HRV)
  Dato Used: GDSN
  L.P.B.: 18S, 31C
  Centroid Location:
  Origin Time        12:02: 6.7 0.4
  Lat 33.36S 0.06 Lon  77.85E 0.04
  Dep  15.0 FIX Half-duration  1.6
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  8.43  Plg= 0  Azm=269
    N       -0.08      90       180
    P       -8.36       0       179
  Best Double Couple:Mo=8.4*10**16
   NP1:Strike=314 Dip=90 Slip=-180
   NP2:         44     90         0

29 21 39 43.71  13.100N 145.232E  53km
  5.3mb ( 29 obs.)  4.9Msz (  8 obs.)
  MARIANA ISLANDS
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 15S, 31C
  Centroid Locotion:
  Origin Time        21:39:43.4 0.5
  Lot 13.02N 0.04 Lon 145.78E 0.06
  Dep  15.0 BDY Half-duration  1.9
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  1.42  Plg=67  Azm=274
    N        0.16      10        29
    P       -1.58      20       123
  Best Dauble Cauple:Mo=1.5*10**17
   NP1:Strike=230 Dip=26 Slip= 114
   NP2:         24     66        79

30 03 15 03.05  13.038N 145 390E  49km
  5.1mb ( 28 obs.)  5.3Msz ( 13 obs.)
  MARIANA ISLANDS
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 18S, 35C
  Centroid Location:
  Origin Time        03:15: 5.1 0.4
  Lat 13.14N 0.03 Lon 145.75E 0.03
  Dep  15.0 FIX Half-duration  2.3
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  2.77  Plg=64  Azm=260
    N        0.19      12        17
    P       -2.96      22       112
  Best Double Couple:Mo=2.9*10**17
   NP1:Strike=225 Dip=25 Slip= 120
   NP2:         12     68        77

30 06 13 17.57  13.088N 145.277E  56km
  5.1mb ( 24 abs.)
  MARIANA ISLANDS
  CENTROID, MOMENT TENSOR     (HRV)
  Dota Used: GDSN
  L.P.B.: 16S, 33C
  Centraid Locatian:
  Origin Time        06:13:17.4 0.5
  Lat 13.12N 0.05 Lon 145.79E 0.05
  Dep  15.0 FIX Half-durotion  2.2
  Principal Axes:
    Scale 10**17 Nm
    T  Val=  2.01  Plg=61  Azm=269
    N        0.06      12        21
    P       -2.07      26       117
  Best Double Couple:Mo=2.0*10**17
   NP1.Strike=233 Dip=22 Slip= 123
   NP2:         17     72        77

30 09 13 15.95  41.781N 126.907W  10km
  4.7mb ( 26 obs.)  4.3Msz (  4 obs.)
  OFF COAST OF NORTHERN CALIFORNIA
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 10S, 20C
  Centroid Location:
  Origin Time        09:13:17.3 1.2
  Lat 41.85N 0.16 Lon 127.62W 0.15
  Dep  15.0 FIX Half-durotion  1.5
  Principal Axes:
    Scale 10**16 Nm
    T  Val=  3.22  Plg=10  Azm= 96
    N        0.41       5         5
    P       -3.63      79       247
  Best Double Couple:Mo=3.4*10**16
   NP1:Strike=192 Dip=35 Slip= -81
   NP2:          1     55       -96

30 19 05 02.46  24.248N 125.215E  35km
  5.9mb ( 71 obs.)  6.2Msz ( 26 obs.)
  SOUTHWESTERN RYUKYU ISLANDS
  FAULT PLANE SOLUTION: P-Waves
   NP1:Strike= 36 Dip=85 Slip=  80
   NP2:        280     11       153
  Principal Axes:
    T                Plg=49  Azm=295
    P                    39       135
  Comment: The focal mechanism is
    poorly cantrolled and
    corresponds ta reverse
    faulting with a smoll right-
    lateral strike-slip component.
    The preferred fault plane is
    NP2.
  RADIATED ENERGY
   No. of sta:   6  Focal mech.  F
   Energy        8.9±3.4*10**12 Nm
  MOMENT TENSOR SOLUTION
  Dep  12            Na. of sta: 11
  Principal Axes:
    Scale 10**18 Nm
    T  Val=  1.52  Plg=51  Azm=304
    N        0.08       1        35
    P       -1.60      39       126
  Best Dauble Couple:Mo=1.6*10**18
   NP1:Strike=222 Dip= 6 Slip=  97
   NP2:         35     84        89
  CENTROID, MOMENT TENSOR     (HRV)
  Data Used: GDSN
  L.P.B.: 14S, 33C
  Centroid Location:
  Origin Time        19:05: 4.9 0.2
  Lat 24.15N 0.03 Lon 125.02E 0.04
  Dep  20.7 2.0 Half-durotion  4.9
  Principal Axes:
    Scale 10**18 Nm
    T  Val=  1.66  Plg=62  Azm=294
    N        0.33       7        37
    P       -1.99      27       131
  Best Double Couple:Mo=1.8*10**18
```

NP1:Strike=238 Dip=19 Slip= 112 | |
NP2: 35 72 83 | |

Corrections to Previous Monthly Listings

1. Delete event of 18:58:15.1 UTC on July 16, 1987. Data belong to an event in southern Iran at 18:59:46 UTC, located by ISC.

2. Delete event of 23:37:03.6 UTC on September 02, 1987. Data belong to an event south of Sumbowa Island at 23.34:03 UTC, located by ISC.

3. Delete event of 20:02:34.0 UTC on September 16, 1987. Data belong to event of 19:43:48.4 UTC.

4. Delete event of 07:36:49.0 UTC on December 26, 1987. Data belong to event of 07:45:14.4 UTC.

5. Delete event of 04:43:57.7 UTC on February 28, 1988. Data belong to event of 05:31:41.4 UTC on February 29.

6. Delete event of 04:44:36.8 UTC on February 28, 1988. Data belong to event of 15:32:20.1 UTC on February 29.

7. Delete event of 09:35:04.8 UTC on March 02, 1988. Data belong to event of 09:28:30.1 UTC.

8. Delete event of 04:19:32.6 UTC on March 04, 1988. Data belong to an event in the Jordan-Syria region at 19.41:09 UTC, located by ISC.

9. Delete event of 06:01:04.6 UTC on March 04, 1988. Data belong to an event in Albania at 16:00:58 UTC, located by ISC.

10. Delete event of 01:18:37.9 UTC on March 21, 1988. Data belong to an event at same time/location on March 23, located by ISC.

11. Delete event of 14:30:12.0 UTC on March 21, 1988. Data belong to an event at same time/location on March 22, located by ISC.

12. Delete event of 05:40:15.5 UTC on March 24, 1988. Data belong to event of 05:21:44.5 UTC on March 25.

13. Delete event of 18:57:42.6 UTC on April 28, 1988. Data belong to an event at same time/location on April 29, located by ISC.

14. Delete event of 04:43:45.4 UTC on May 10, 1988. Data belong to an event at same time/location on May 11, located by ISC.

15. Delete event of 07:18:47.7 UTC on June 12, 1988. Data belong to event of 07:17:07.1 UTC.

16. Delete event of 06:59:40.2 UTC on July 07, 1988. Data belong to event of 06:59:41.8 UTC on July 06.

17. Delete event of 15:54:39.0 UTC on August 12, 1988. Data belong to event of 15:54:49.0 UTC on August 11.

18. Delete event of 23:36:54.9 UTC on August 20, 1988. Data belong to an event in the Nepal-India border region at 23:38:56 UTC, located by ISC.

19. Delete event of 23:09:08.0 UTC on August 21, 1988. Data belong to event of 23:09:09.5 UTC on August 20.

20. Delete event of 02:12:39.4 UTC on November 5, 1988. Data belong to an unlocated teleseism.

21. Delete event of 16:11:54.7 UTC on November 18, 1988. Data belong to event of 16:11:55.4 UTC on November 19.

22. Delete event of 17:09:28.0 UTC on December 12, 1988.

23. Delete event of 03:07:18.0 UTC on January 01, 1989. Data belong to event of 02:55:35.9 UTC on January 12.

24. Delete event of 21:04:31.5 UTC on January 05, 1989. Data belong to an unlocated teleseism, most likely in southern Greece on a different date or time.

25. Delete event of 19:54:01.3 UTC on January 12, 1989. Data belong to event of 19:47:41.0 UTC.

26. Delete event of 20:17:38.8 UTC on January 17, 1989. Data belong to an event in the Dead Sea region at 20:27:41 UTC, located by ISC.

27. Delete event of 21:19:10.0 UTC on January 18, 1989. Data belong to an unlocated event somewhere in the Sunda Arc.

28. Delete event of 15:05:53.8 UTC on February 01, 1989. Data belong to an event in the same location at 15:06:54 UTC, located by ISC.

29. Delete event of 23:08:06.5 UTC on February 02, 1989. Data belong to event of 23:07:29.7 UTC on February 03.

30. Delete event of 21:35:57.9 UTC on February 04, 1989. Data belong to event of 21:37:59.3 UTC.

31. Delete event of 01:24:14.7 UTC on February 05, 1989. Data belong to event of 01:25:16.3 UTC.

32. Delete event of 02:06:05.5 UTC on February 05, 1989. Data belong to event of 02:08:02.9 UTC.

33. Delete event of 05:30:56.7 UTC on February 06, 1989. Data belong to event of 05:10:48.3 UTC.

34. Delete event of 10:19:09.8 UTC on February 13, 1989.

35. Delete event of 21:19:01.6 UTC on February 25, 1989. Data belong to an unlocated teleseism.

36. Delete event of 00:04:11.7 UTC on February 28, 1989. Data belong to a teleseism, possibly secondary phases for the Halmahera event of 23:39:10.8 on February 27.

37. Delete event of 02:47:07.9 UTC on March 06, 1989. Data belong to an unlocated teleseism

38. Delete event of 17:46.22.6 UTC on March 06, 1989. Data belong to event of 17:46:21.5 UTC on March 05.

39. Delete event of 23:51:44.1 UTC on March 25, 1989. Data belong to event of 00:51:47.7 UTC on March 26.

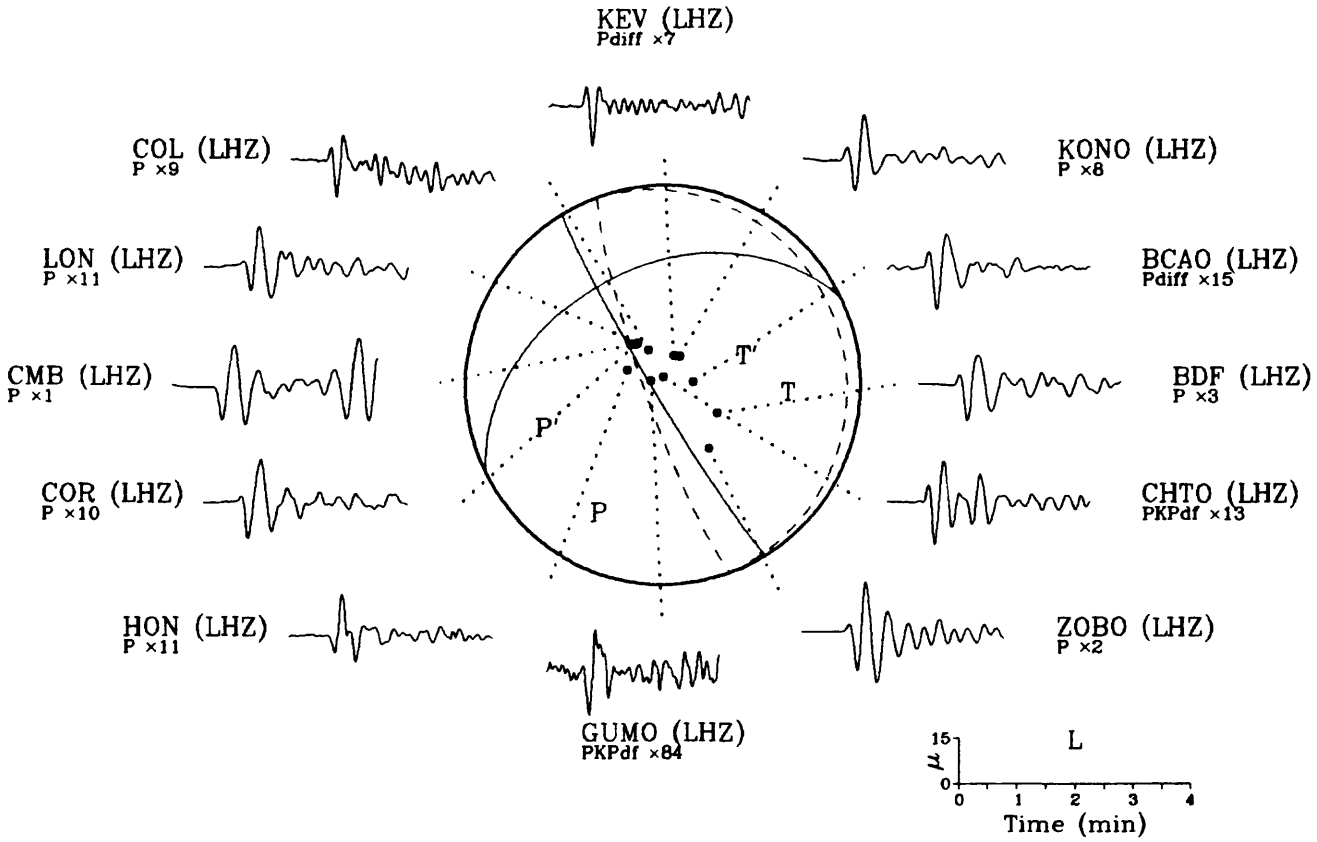
40. Delete event of 21:21:58.3 UTC on March 27, 1989. Data are in error by one day.

41. Delete event of 04:02:10.0 UTC on March 28, 1989. Data belong to event of 04:02:37.9 UTC on April 28.

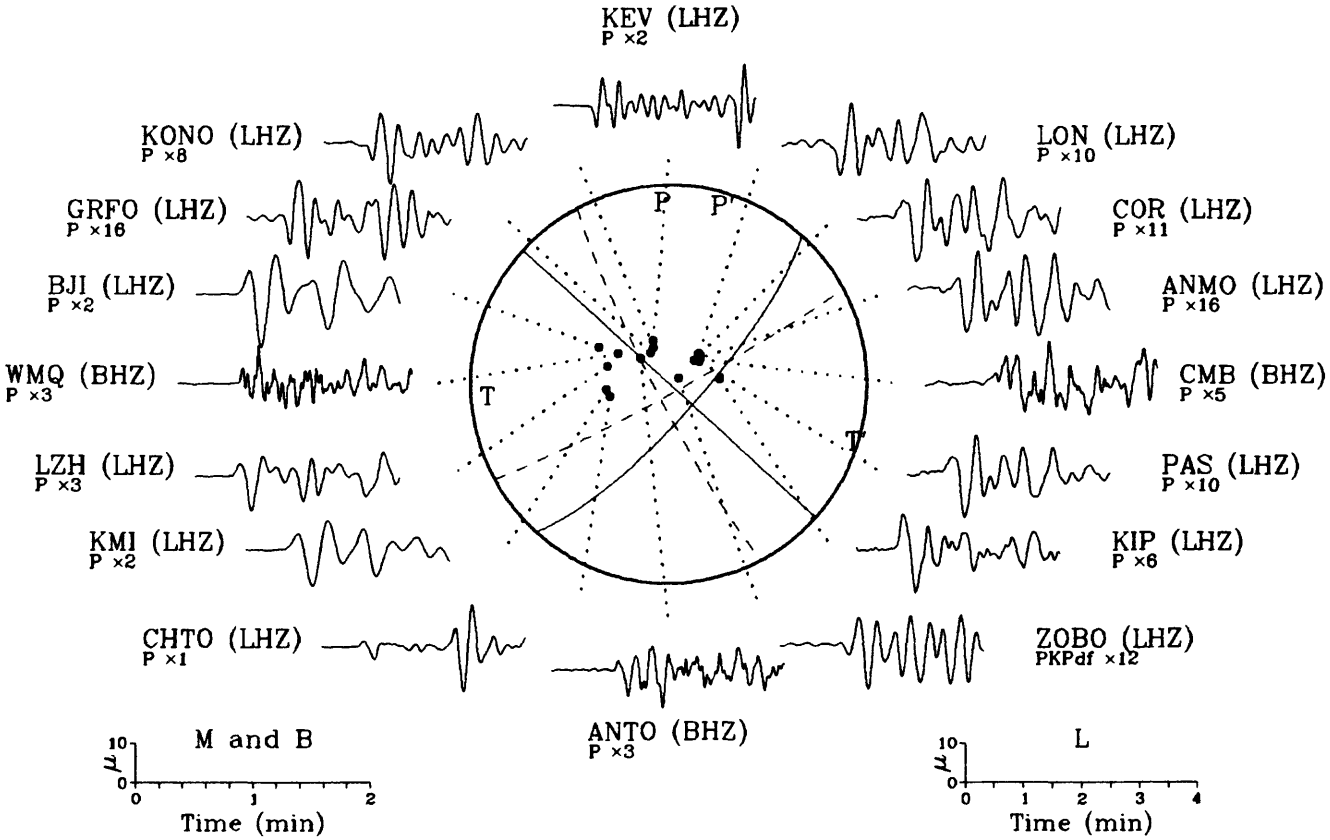
The corrections shown above are based on information supplied by R.D. Adams and J. Latchman from the International Seismological Centre.

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

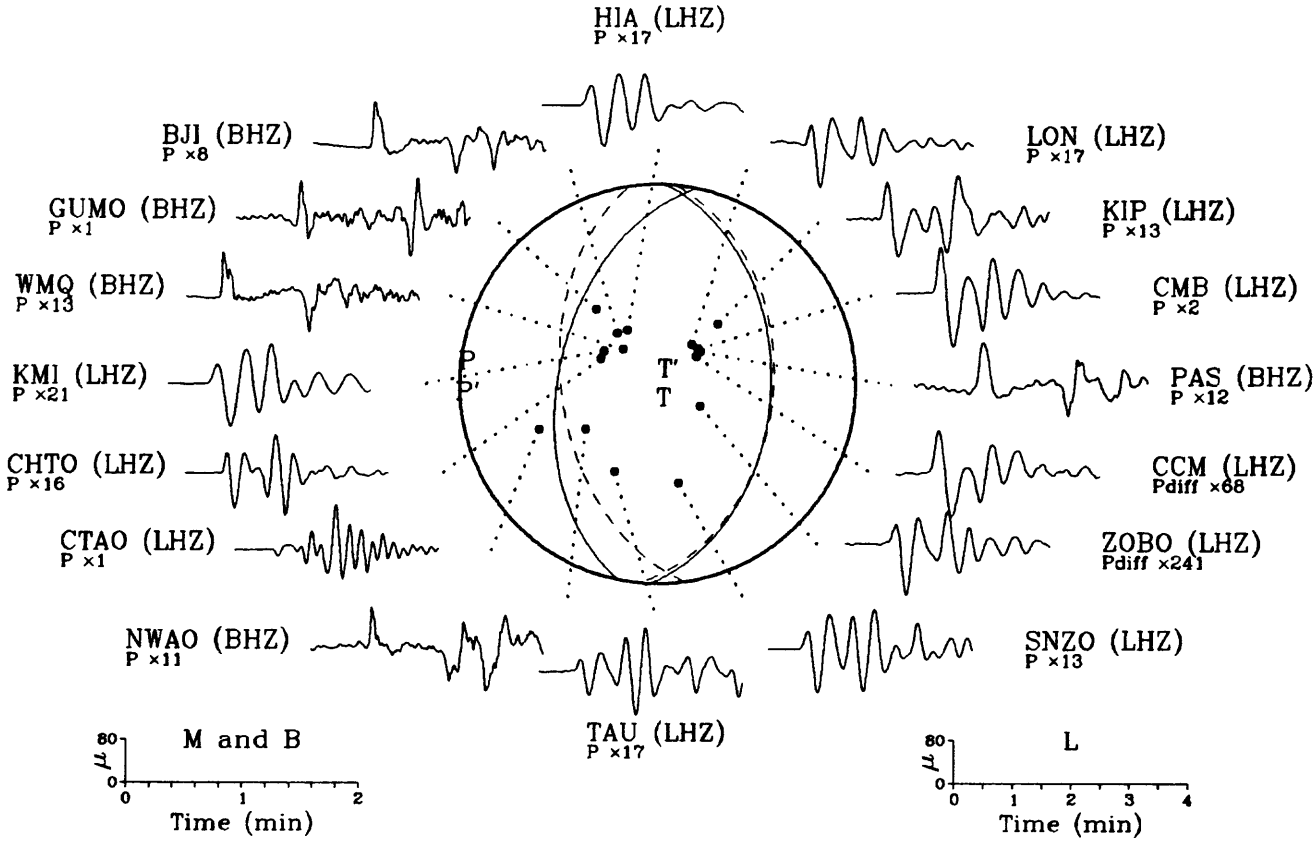
02 September 1990 04:26:48.07
Near Coast of Ecuador



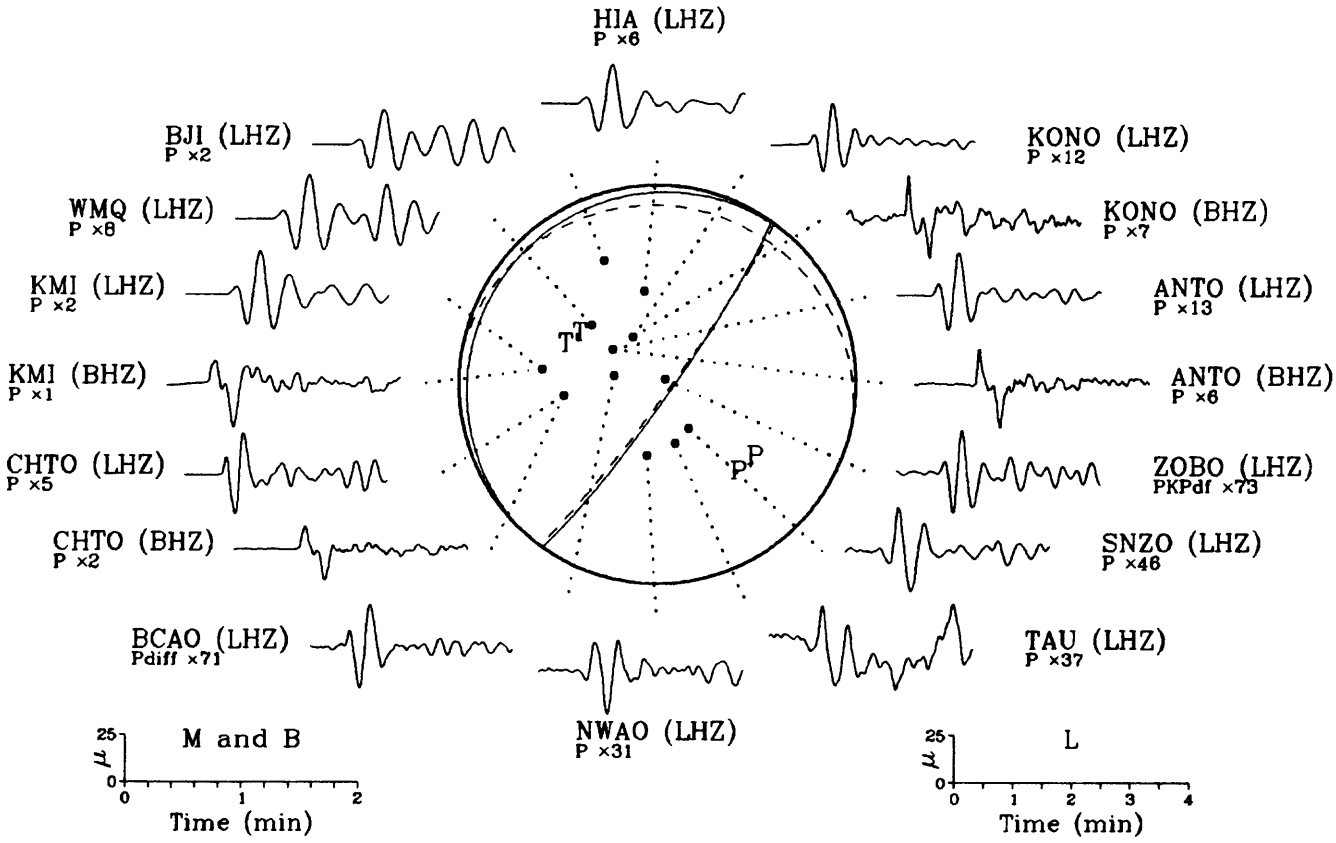
23 September 1990 21:13:07.46
South of Honshu, Japan



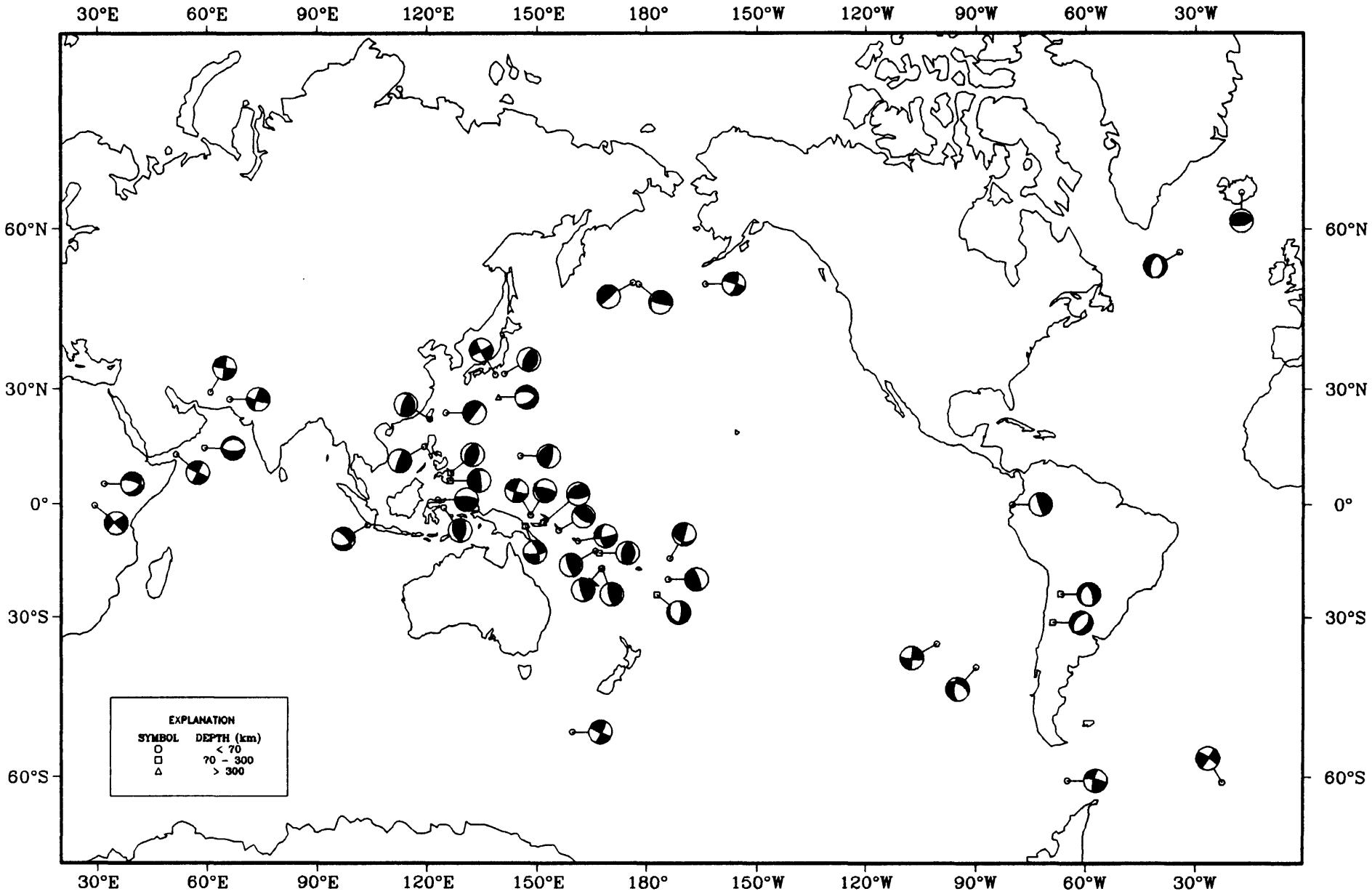
28 September 1990 19:44:47.12
Vanuatu Islands

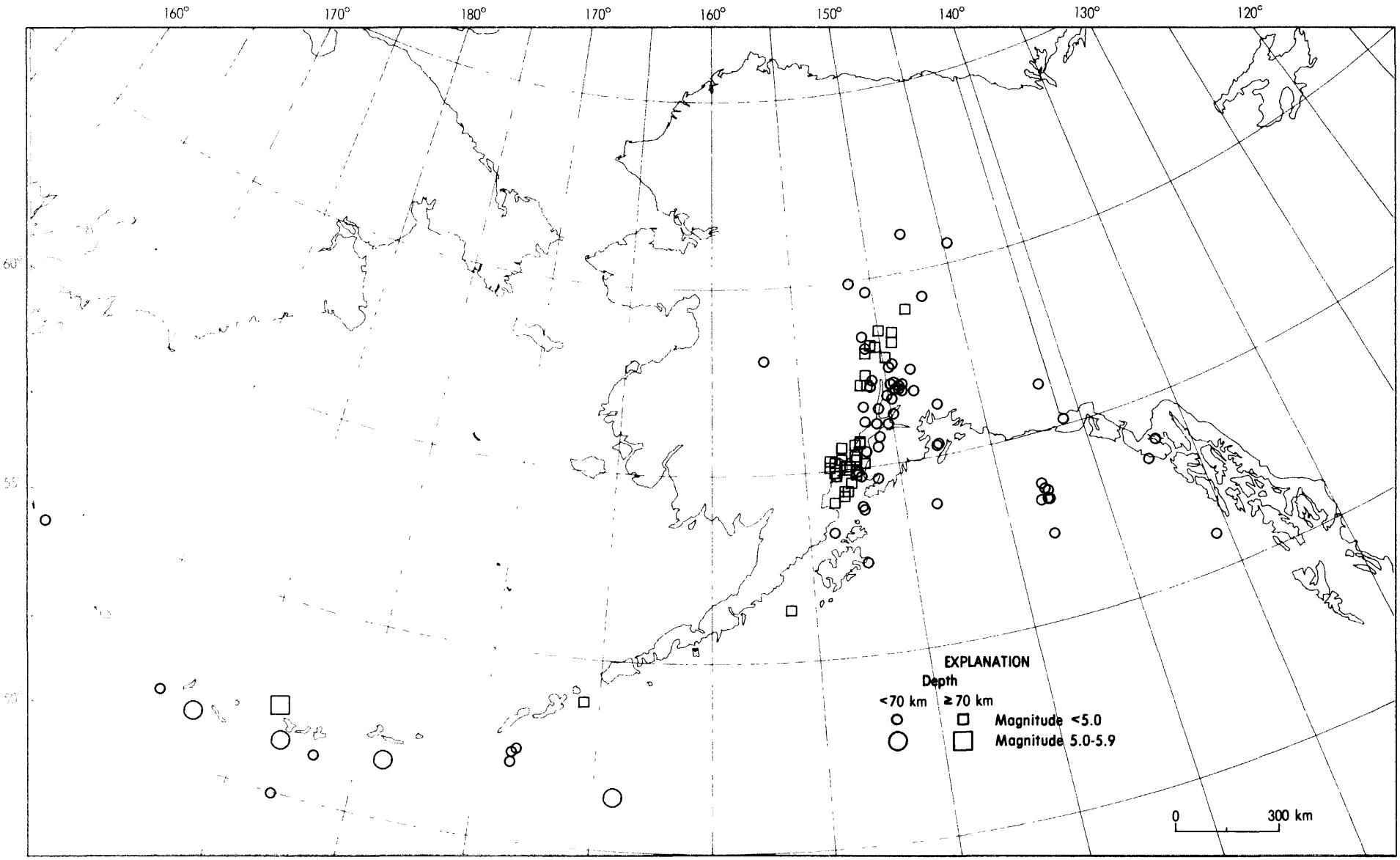


30 September 1990 19:05:02.46
Southwestern Ryukyu Islands

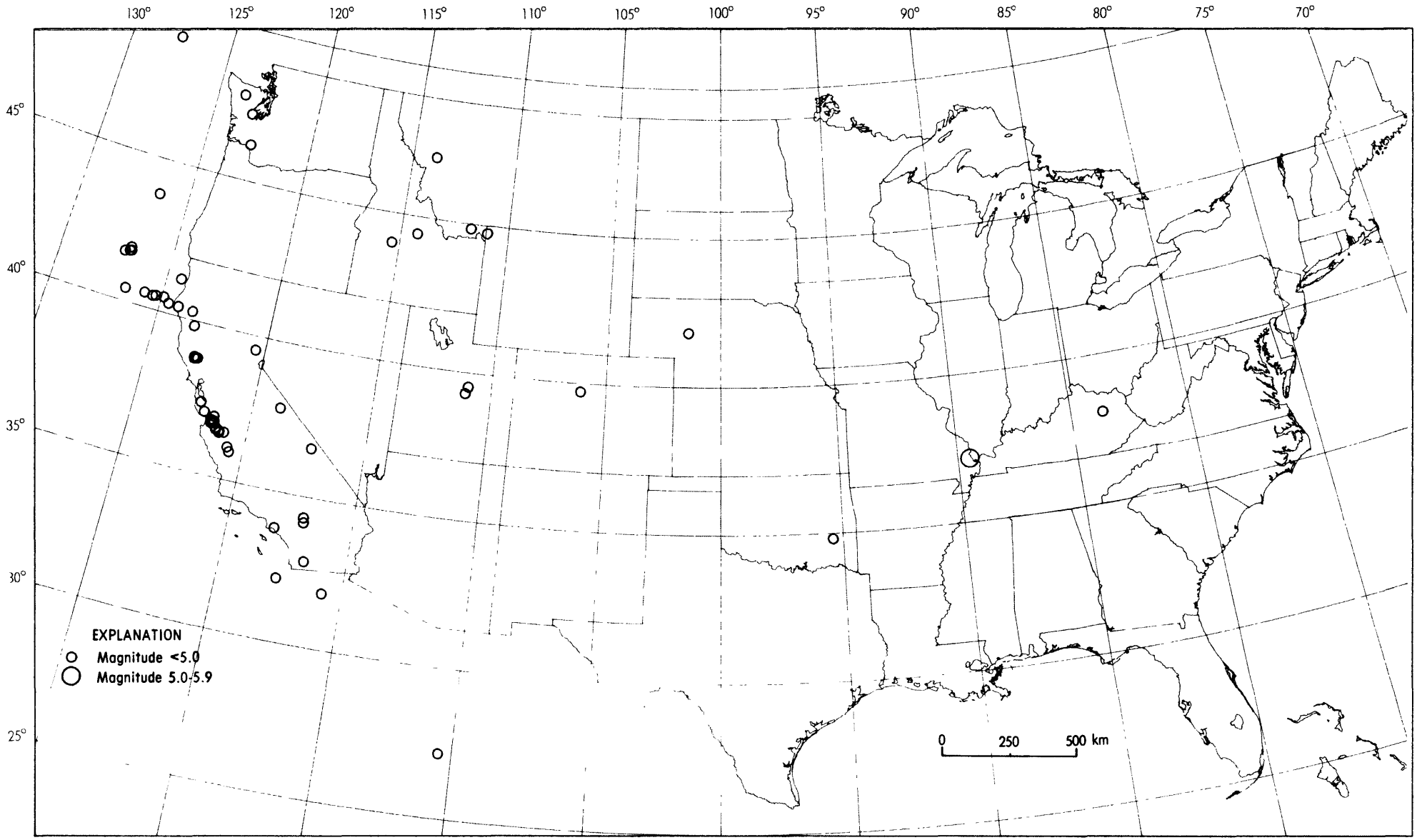


Earthquake Focal Mechanisms for September 1990

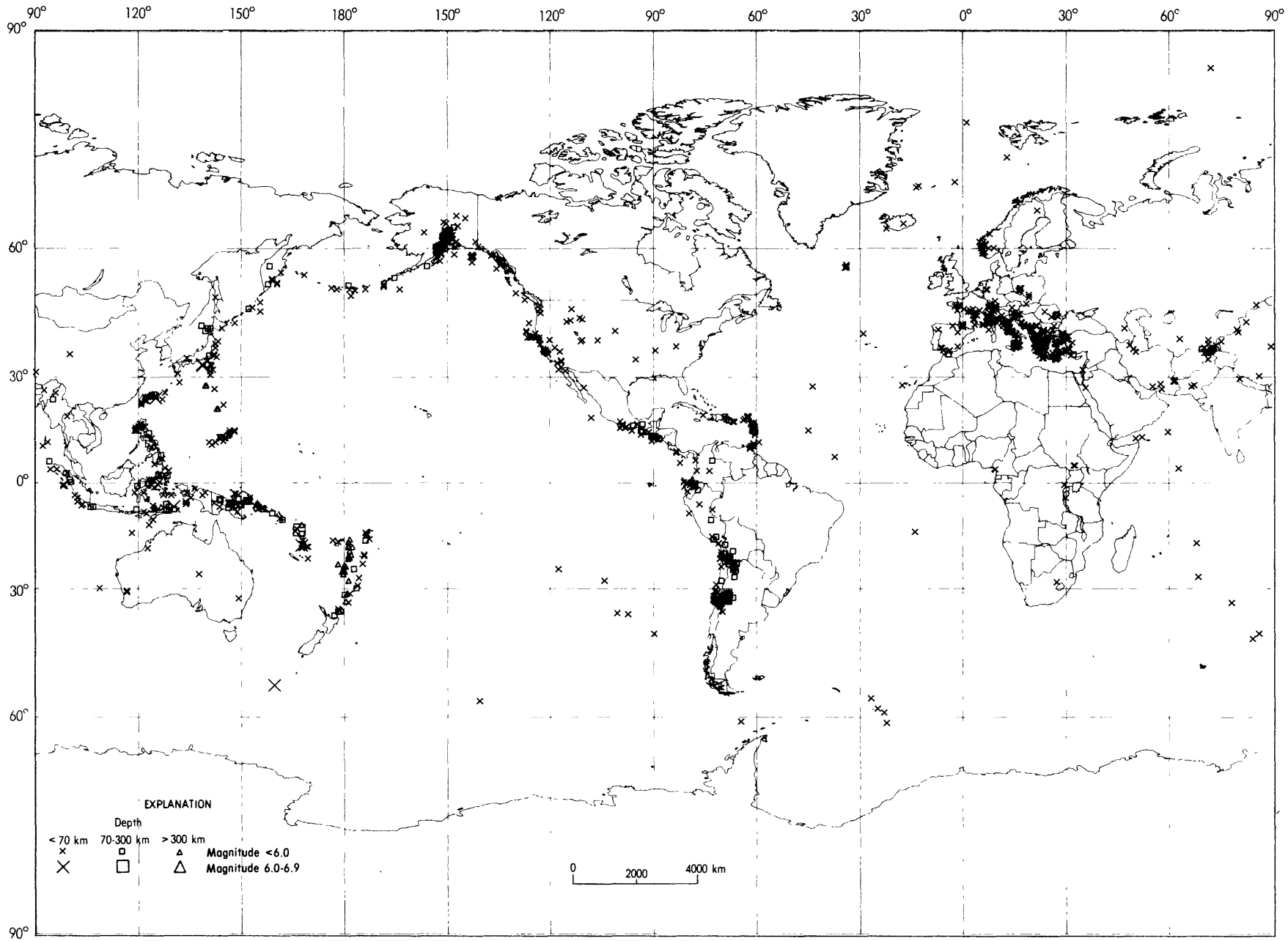




Earthquake epicenters in Alaska and adjacent regions for September, 1990 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for September, 1990 (C. Stover).



Earthquakes located in September, 1990 (C. Stover).

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