UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS MONTHLY LISTING

JANUARY - MARCH 1993

NATIONAL EARTHQUAKE INFORMATION CENTER

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1993

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

JANUARY 1993

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	01	35	49.4%	39.298	N	28.733	E	10	G			0.6	5	TURKEY. MD 2.7 (ISK).
	01	02	01	25.3%	39.260	N	28.708	E	10	G			0.4	6	TURKEY. MD 2.8 (ISK).
	01	02	09	26.1*	35.712	N	4.507	W	10	G			1.2	10	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	01	02	33	07.6*	3.834	N	126.475	E	86	?	4.4		0.7	12	TALAUD ISLANDS, INDONESIA
	01	02	54	42.7	35.196	N	111.031	E	10	G	3.9		1.1	10	SOUTHEASTERN CHINA. ML 4.2 (BJI).
	01	02	56	39.9%	26.380	S	27.651	E	5	G			0.5	6	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	01	03	46	33.9*	31.926	S	178.070	W	33	N	5.1	4.8	1.3	24	KERMADEC ISLANDS REGION
	01	04	02	39.5?	31.73	S	68.42	W	100	?			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	01	04	12	28.9&	60.224	N	152.721	W	10					61	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
	01	04	18	19.5?	39.50	N	21.77	E	10	G			1.1	6	GREECE
	01	04	30	08.4*	53.226	N	157.602	E	170	?	4.2		0.4	19	KAMCHATKA
	01	04	34	55.8*	31.206	S	178.533	W	48	*	4.6	4.7	1.0	12	KERMADEC ISLANDS REGION
	01	05	00	17.2?	7.13	S	128.18	E	33	N			0.1	5	BANDA SEA
	01	05	08	05.3&	35.877	N	82.090	W	4					22	NORTH CAROLINA. <TEIC>. MD 3.0 (TEIC). Felt at Spruce Pine. Felt in parts of Mitchell and Yancey Counties.
	01	05	19	07.1	6.518	S	130.520	E	68		4.6		1.1	35	BANDA SEA
	01	05	35	27.5%	38.091	N	15.201	E	10	G			0.4	6	SICILY
	01	05	36	55.7?	30 57	N	113.99	W	10	G	3.6		0.8	9	GULF OF CALIFORNIA
	01	05	40	51.8?	43.83	N	6.46	E	10	G			0.4	4	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG).
	01	05	43	39.9%	44.083	N	7.821	E	10	G			0.2	8	NORTHERN ITALY
	01	05	48	40.6?	27 98	S	176.59	W	65	?	4.7		0.9	10	KERMADEC ISLANDS REGION
	01	06	07	42.9*	19.633	N	64.446	W	10	G	4.0		1.0	11	VIRGIN ISLANDS
	01	06	24	59.8*	6 247	S	147.484	E	74		4.7		1 2	20	EASTERN NEW GUINEA REG., P.N.G.
	01	07	30	12.7%	39.226	N	28.630	E	10	G			0.5	7	TURKEY. MD 2.8 (ISK).
	01	08	19	41.0*	38 816	N	142.797	E	37	?	4.7		1.2	17	NEAR EAST COAST OF HONSHU, JAPAN
	01	08	26	29.6?	32.51	S	175.97	W	33	N	4.7		0.9	13	SOUTH OF KERMADEC ISLANDS
	01	08	58	50.4	6.749	S	143.993	E	23	D	5.2	4.4	0.9	59	NEW GUINEA, PAPUA NEW GUINEA
	01	09	17	26.7*	32.057	S	69.469	W	120	G			0.4	9	MENDOZA PROVINCE, ARGENTINA. MD 3.5 (SAN).
a	01	09	56	27.2	31.621	S	71.608	W	27	D	5.4	4.7	1.1	99	NEAR COAST OF CENTRAL CHILE. Mw 5.3 (HRV). MD 5.2 (SAN).
	01	10	06	40.5?	35.79	S	71.73	W	100	G			0.5	10	CENTRAL CHILE. MD 4.0 (SAN).
	01	10	56	24.9?	7.33	S	131.51	E	122	?			0.7	5	TANIMBAR ISLANDS REG., INDONESIA
	01	12	35	32.4	38.906	S	177.472	E	59	*	4.4		1.3	31	NORTH ISLAND, NEW ZEALAND
	01	12	48	14.3?	37.51	S	179.33	E	182	?			0.9	31	OFF E. COAST OF N. ISLAND, N.Z.
	01	13	09	06.3	25.189	S	177.838	W	203	D	5.2		1 0	203	SOUTH OF FIJI ISLANDS
	01	14	25	02.7?	38.33	N	27.10	E	10	G			0.9	5	TURKEY. MD 3.1 (ISK).
	01	14	55	26 2&	64.042	N	148.790	W	6					48	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).
	01	15	57	41.9*	48.897	N	112.190	W	5	G			0.7	9	MONTANA. ML 3.3 (GS), 3.4 (BUT).
	01	16	11	15.1	41.748	N	19.566	E	10	G			0.9	18	ALBANIA. ML 2.7 (TIR), 2.7 (TTG).
	01	17	29	59 7%	31.377	S	68.121	W	10	G			0.3	5	SAN JUAN PROVINCE, ARGENTINA
	01	18	46	13.8	41.574	N	13.877	E	10	G			1.2	47	SOUTHERN ITALY. ML 3.8 (TTG). MD 3.7 (TRI), 3.5 (LJU).
	01	19	16	16 3%	44 563	N	7.408	E	10	G			0.3	5	NORTHERN ITALY. ML 2.0 (GEN).
	01	20	49	41.1?	38.22	N	26.84	E	10	G			0.6	4	AEGEAN SEA. MD 3.1 (ISK).
	01	21	00	08 5	43.490	N	4.500	E	10	G			1.3	40	NEAR SOUTH COAST OF FRANCE. ML 3.6 (LDG).
	01	21	26	51 0?	2.65	N	122.21	E	536	?	4.4		1.1	9	CELEBES SEA
a	01	21	36	38.8	61.011	S	154.003	E	10	G	5.2	5.1	1.0	57	BALLENY ISLANDS REGION. Mw 5.6 (HRV).
	01	21	46	21.2	35.024	N	33.213	E	13		3.2		0.6	13	CYPRUS REGION. ML 3.4 (CSS). Felt (II) at Limassol.
	01	23	49	47.3	23.157	N	94.778	E	96		4.3		0.5	27	MYANMAR-INDIA BORDER REGION
	02	01	07	28.4?	37.56	S	176.18	E	253	?			0.3	16	NORTH ISLAND, NEW ZEALAND
	02	01	48	40 6%	39 281	N	28.712	E	10	G			0.8	10	TURKEY. MD 3.1 (ISK).
	02	01	57	12 6*	6 918	N	75.829	W	24	*	4.4		1.2	9	NORTHERN COLOMBIA. MD 4.5 (UPA).
	02	02	32	38.0?	39 25	N	28.72	E	10	G			0.6	4	TURKEY. MD 2.6 (ISK).
	02	02	39	47.7*	6 858	N	80.062	W	10	G	4.0		1.3	8	SOUTH OF PANAMA. MD 4.3 (UPA).
	02	03	09	19.4%	30 888	S	69.127	W	132	?			0.5	8	CHILE-ARGENTINA BORDER REGION
	02	03	42	39 3	31 624	N	49.901	E	33	N	4.3		0.8	28	WESTERN IRAN. Felt at Izeh.
	02	04	04	58.3*	30 173	S	177.232	W	10	G	4.9		1.4	15	KERMADEC ISLANDS, NEW ZEALAND
	02	04	55	06.0*	9.381	S	121.293	E	84	?	4.5		1.0	15	SAVU SEA
	02	05	45	38.5?	19.31	N	67.47	W	10	G			0 5	6	MONA PASSAGE

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	02	06	03	39	8?	18.51	N	65.50	W	70	G			0.3	7	PUERTO RICO REGION
	02	06	15	29	1	33.378	S	70.788	W	80	G			0 2	11	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
a	02	06	29	18.	1?	39.81	S	86.45	E	10	G		5.2	1.4	14	SOUTHEAST INDIAN RIDGE. Mw 5.5 (HRV).
	02	06	39	16.4		44.902	N	110.960	W	5	G			0 8	16	YELLOWSTONE REGION, WYOMING. ML 3.1 (GS), 3.5 (BUT).
	02	06	44	29	4*	9.504	N	82.659	W	10	G	3.4		0.9	5	PANAMA-COSTA RICA BORDER REGION. MD 3.8 (UPA). Felt at Bocas del Tara, Panama.
	02	07	09	04.0	8&	60.635	N	150.414	W	41					39	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	02	07	55	57	5?	43.81	N	6.46	E	10	G			0.1	4	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
	02	08	39	00.9		30.223	N	50.860	E	36	*	4.7	3.9	1.4	75	NORTHERN IRAN. Felt in the Mamasani area.
	02	08	54	41	1&	62.256	N	150.943	W	72					60	CENTRAL ALASKA. <AEIC>.
	02	09	30	01.7	*	7.028	S	129.342	E	173	?	3.8		0.5	6	BANDA SEA
	02	09	49	38.5	8&	59.896	N	153.377	W	122					44	SOUTHERN ALASKA. <AEIC>.
	02	09	49	58.0	0?	8.75	S	122.66	E	150	G	4.3		0 3	7	FLORES REGION, INDONESIA
	02	11	12	02.4	%	38.861	S	175.778	E	142	*			0 5	27	NORTH ISLAND, NEW ZEALAND
	02	11	35	50.2		33.659	S	71.387	W	33	N			0.7	18	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	02	12	32	28.5		37.986	S	176.221	E	224		5.0		1.3	74	NORTH ISLAND, NEW ZEALAND
	02	13	40	11.3	%	34.055	S	71.266	W	60	G			0.2	10	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	02	14	31	14.9	?	32.69	S	71.59	W	25				0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	02	14	32	13.6	&	39.191	N	123.540	W	3					8	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM).
	02	14	53	38.3		29.145	N	81.119	E	15	D	4.9		0.9	68	NEPAL
	02	15	00	59.6	%	32.707	S	71.600	W	10	G			0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	02	15	10	46.6		34.003	N	141.547	E	44	*	4.6		1.1	60	OFF EAST COAST OF HONSHU, JAPAN
	02	16	24	13.3	%	33.186	S	71.436	W	33	N			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	02	17	45	47.5	?	37.47	N	23.84	E	33	N			1.2	4	SOUTHERN GREECE. ML 3.3 (ATH).
	02	17	48	11.3	%	28.532	S	67.406	W	161	?			0.6	10	LA RIOJA PROVINCE, ARGENTINA
	02	17	56	44.1	?	6.18	S	150.51	E	54	?	4.1		1.2	6	NEW BRITAIN REGION, P.N.G.
	02	19	01	07.4		6.570	S	130.111	E	33	N			1.1	10	BANDA SEA
	02	19	29	28.7	%	38.730	S	175.202	E	249	*			0.5	27	NORTH ISLAND, NEW ZEALAND
	02	22	09	26.5	%	46.008	N	2.787	E	10	G			0.4	11	FRANCE. ML 1.9 (LDG).
	02	22	38	19	9	40 682	N	23.417	E	10	G			0.5	11	GREECE
	03	00	01	54.0		33 881	N	100.667	E	10	G	4.0		0.9	16	QINGHAI, CHINA. ML 4.4 (BJI).
	03	00	56	54	8%	17.235	N	99.831	W	10	G			0.9	5	GUERRERO, MEXICO
	03	01	33	07.1	%	26.416	S	27.384	E	5	G			0.8	5	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
	03	01	49	53.4	%	26.900	S	26.709	E	5	G			0.8	7	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	03	01	53	28	5	31.181	S	68.471	W	116	*			0.9	18	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
	03	03	46	53	4&	34.279	N	116.445	W	1					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt.
a	03	04	23	34	5	1 513	S	119.679	E	37	D	5.6	5.2	1.1	143	SULAWESI, INDONESIA. Mw 5.7 (HRV).
	03	05	20	15	1*	8 492	S	122.265	E	33	N	4.3		1.4	7	FLORES REGION, INDONESIA
	03	05	55	39.4		57.970	N	32.495	W	10	G	4.7	4.0	1.3	33	NORTH ATLANTIC OCEAN
	03	07	15	49.3		39.264	N	20.796	E	5	G	4.0		1.3	42	GREECE-ALBANIA BORDER REGION. ML 4.3 (ATH), 3.9 (TIR).
	03	07	19	52.0		58.099	N	32 293	W	10	G	4 9	4.5	0.9	63	NORTH ATLANTIC OCEAN
	03	08	09	50.2		49.150	N	6.868	E	10	G			1.2	9	GERMANY
	03	08	15	13	5%	33 804	S	71.916	W	33	N			1.1	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	03	08	32	00.5	?	5.29	S	149.09	E	33	N	5.0		0.9	7	NEW BRITAIN REGION, P.N.G.
	03	09	34	29	5	51.920	N	153.143	E	410		4.4		0.9	41	NORTHWEST OF KURIL ISLANDS
	03	10	10	14.8		44.159	N	128.847	W	10	G	3.8		0.9	59	OFF COAST OF OREGON
	03	10	33	13.2	?	22.99	S	67.08	W	196	?	3.4		1.3	5	CHILE-BOLIVIA BORDER REGION
	03	10	57	08.0	%	38.633	S	174.498	E	33	N			0.7	20	NORTH ISLAND, NEW ZEALAND. ML 3.8 (WEL).
	03	11	31	33.5	&	34.331	N	116.918	W	5					8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	03	11	46	41.1	&	34.610	N	116.636	W	3					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	03	12	02	06.6	*	28.041	S	66.542	W	187	*			0.6	8	CATAMARCA PROVINCE, ARGENTINA
	03	12	21	22.2	&	63.047	N	149.715	W	93					38	CENTRAL ALASKA. <AEIC>.
	03	16	48	12.4	*	28.871	N	52.084	E	33	N	4.0		1.1	11	SOUTHERN IRAN
a	03	17	08	13.8		4.064	S	129.512	E	54	D	5.8		1.1	196	BANDA SEA. Mw 5.8 (HRV).
	03	17	21	59.2		4.139	S	129.562	E	60		5.2		1.1	57	BANDA SEA
	03	17	33	26.7		4.146	S	129.413	E	28	D	5.2		1.1	29	BANDA SEA
	03	18	50	55.1	?	33.01	S	72.29	W	10	G			0.3	9	OFF COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	03	18	58	42.3	*	0.114	N	125.696	E	58	*	4.7		1.1	13	NORTHERN MOLUCCA SEA
	03	20	01	09.3		4.103	S	129.632	E	63	*	5.2		1.3	47	BANDA SEA
	03	20	41	31.0	*	22.515	S	66.397	W	259	?			0.6	8	JUJUY PROVINCE, ARGENTINA
	03	21	59	06.5	?	28.61	S	67.69	W	154	?			0.3	9	LA RIOJA PROVINCE, ARGENTINA
	04	00	32	23.0	&	34.288	N	116.772	W	6					21	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS), 3.5 (GS). Felt in the epicentral area.
	04	01	18	18.7	*	34.227	N	141.827	E	33	N	4.3		1.1	19	OFF EAST COAST OF HONSHU, JAPAN
a	04	01	26	17.9		3.266	N	128.094	E	72		5.9		1.2	309	NORTH OF HALMAHERA, INDONESIA. Mw 5.9 (HRV).
	04	01	26	28.9		45.571	N	151.348	E	38	*	5.0	5.1	0.8	65	KURIL ISLANDS
	04	01	26	29.8		31.161	S	68.605	W	116	*			0 8	21	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
	04	01	52	57	7*	30.652	S	71.404	W	143	?			0.9	21	NEAR COAST OF CENTRAL CHILE
	04	01	58	17	2*	19.257	N	64.594	W	33	N	3.6		1.2	9	VIRGIN ISLANDS
	04	02	45	40.7		9.365	N	83.927	W	27		4.6		1.1	56	COSTA RICA. MD 4.5 (UPA). Felt at David, Panama.
	04	02	57	25.4	&	34.290	N	116.769	W	7					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
	04	02	59	10.0		9 058	N	83.993	W	41		4.7	4.7	0.9	72	COSTA RICA. MD 4.6 (UPA). Felt at David, Panama.
	04	04	30	30.1	*	19.334	N	64.637	W	33	N	3.8		1.3	9	VIRGIN ISLANDS
	04	05	38	08.6	?	40 00	N	20.66	E	10	G			1.1	6	GREECE-ALBANIA BORDER REGION
	04	05	41	16.7	%	44.778	N	7.130	E	10	G			0.6	8	NORTHERN ITALY. ML 1.8 (GEN).
	04	06	05	25.5		19.326	S	177.515	W	562	?	4.9		1.0	44	FIJI ISLANDS REGION
	04	06	10	04.5	&	63.119	N	150.525	W	111					46	CENTRAL ALASKA. <AEIC>.
	04	06	11	29.9		32 686	S	71.550	W	17				0.8	15	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	04	06	47	26.9	*	22.871	S	175.957	W	93	?	4.9		1.3	25	TONGA ISLANDS REGION
	04	07	17	37	2&	56.879	N	150.145	W	10	G	3.1			55	GULF OF ALASKA. <AEIC>. ML 3.5 (AEIC).
	04	07	57	44.7	%	33.521	S	71.257	W	33	N			0.7	9	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
	04	08	14	50.6	*	15.349	S	173.471	W	33	N	4.6		1.4	30	TONGA ISLANDS
	04	08	40	25.2		40.028	N	143.611	E	33	N			0.7	12	OFF EAST COAST OF HONSHU, JAPAN
	04	09	19	24	8	36.635	N	2 532	W	5	G			1.3	23	STRAIT OF GIBRALTAR. mbLg 3.5 (MDD). Felt (IV) in the Almeria area, Spain.
	04	10	03	04.4		4.048	S	102.447	E	84		5.2		1.1	105	SOUTHERN SUMATERA, INDONESIA. Felt (III) at Kapahiang.
	04	10	16	20.5	*	35 001	S	70 138	W	110	G			0.7	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
a	04	10	28	07.6		4.126	S	129.548	E	30	D	5.6	4.8	1.0	161	BANDA SEA. Mw 5.2 (HRV).
	04	11	00	17.3	*	17.179	N	100.813	W	33	N			0.7	6	GUERRERO, MEXICO
	04	11	03	34.1		4.096	S	129.546	E	34		5.1		1.0	50	BANDA SEA
	04	12	05	09.1		19.470	N	64.577	W	25		4.6		1 3	67	VIRGIN ISLANDS
	04	12	17	51	6%	40.879	N	22.992	E	10	G			0 3	5	GREECE
	04	13	49	22.0	*	21.335	S	68.752	W	33	N			0.9	6	CHILE-BOLIVIA BORDER REGION

	04	15	06	12	4?	20.08	S	177.58	W	424	?	4.5		1.0	18	FIJI ISLANDS REGION
	04	15	06	48	5%	26 391	S	27.422	E	5	G			0 8	7	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
	04	15	54	28.4&		58 625	N	153.398	W	63		3.1			78	KODIAK ISLAND REGION. <AEIC>. ML 3.8 (PMR), 3.4 (AEIC).
	04	17	14	52.4?		36.33	N	2.59	W	10	G			0.6	5	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD). Felt (III) in the Almeria area, Spain.
	04	17	26	09.1*		16.692	S	177.840	E	10	G	4.7	4.6	0.8	11	FIJI ISLANDS. ML 4.6 (SVA). Felt at Lekutulevu and Ndreketi, Vanua Levu. Also felt an Ngaloo and Yandua.
	04	18	28	13.2%		26.327	S	27.715	E	5	G			0.1	5	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
o	04	20	41	11.2		22.055	S	174.866	W	33	N	5.9	6.2	1.1	267	TONGA ISLANDS REGION Mw 6.0 (HRV). Ms 6.3 (BRK). Mo=1.3*10**18 Nm (PPT).
	04	22	38	45.1?		4.56	S	129.23	E	71	?	4.1	4.7	1.4	9	BANDA SEA
	04	23	20	45.4&		63.106	N	150.716	W	118					52	CENTRAL ALASKA. <AEIC>.
	04	23	29	49.6?		34.62	S	70.97	W	90	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	04	23	31	21.5		21.234	S	68.641	W	144	*	4.2		1.1	12	CHILE-BOLIVIA BORDER REGION
	05	00	32	25.0?		31.36	S	68.61	W	112	?			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	05	00	41	00.2&		35.988	N	120.116	W	14					11	CENTRAL CALIFORNIA <GM-P>. MD 3 0 (GM). ML 3.0 (GS). 2.8 (PAS).
	05	00	52	17.4?		19.66	N	64.54	W	33	N	4.0		0.3	8	VIRGIN ISLANDS
	05	01	31	58.6		38.922	N	142.599	E	28	D	4.8		1.2	71	NEAR EAST COAST OF HONSHU, JAPAN
	05	02	07	16.8&		32.012	N	115.556	W	6	G				6	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.8 (PAS).
	05	02	35	22.7%		33.810	S	71.057	W	33	N			0.8	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	05	02	35	33.4		19.704	S	69.025	W	144		4.8		0.9	16	NORTHERN CHILE
	05	03	41	57.4%		33.578	S	70.333	W	33	N			0.7	7	CHILE-ARGENTINA BORDER REGION
	05	03	44	12.3*		9.684	N	126.267	E	80	*	4.7		0.3	12	MINDANAO, PHILIPPINE ISLANDS
	05	04	53	40.7*		4.100	S	129.551	E	33	N	4.8		1.0	20	BANDA SEA
	05	05	03	20.7?		35.04	S	71.08	W	100	G			0.5	10	CENTRAL CHILE. MD 3.6 (SAN).
	05	06	16	37.4&		37.748	N	122.142	W	3					13	CENTRAL CALIFORNIA. <BRK>. ML 2.1 (BRK), 2.0 (GS). Felt at San Leandra.
	05	07	00	14.4		7.216	N	76.709	W	68	*	4.4		1.2	16	NORTHERN COLOMBIA. MD 4.4 (UPA).
	05	08	13	47.3%		39.260	N	28.691	E	10	G			0.4	9	TURKEY. MD 3.0 (ISK).
	05	10	19	36.4		64.740	N	16.894	E	33	N	4.2		1.2	12	SWEDEN. ML 4.1 (NAO), 4.1 (UPP). Slight damage in central Vasterbatten County.
	05	10	43	06.1%		39.044	N	27.603	E	10	G			0.9	5	TURKEY. MD 2.8 (ISK).
	05	11	10	57.2?		16.16	S	174.84	W	33	N	5.1		1.2	22	TONGA ISLANDS
	05	11	22	30.2		39.251	N	28.813	E	10	G			0.6	12	TURKEY. MD 3.3 (ISK).
	05	11	23	04.7		19.116	N	121.103	E	10	G	4.8	4.4	1 3	46	PHILIPPINE ISLANDS REGION
	05	12	28	58.3		4.043	S	129.523	E	28	D	4.6		0 9	17	BANDA SEA
	05	12	31	20.3*		29.467	N	128.744	E	33	N	4.5		1.5	19	NORTHWEST OF RYUKYU ISLANDS
	05	13	26	10.3%		26.315	S	27.203	E	5	G			1.0	11	REPUBLIC OF SOUTH AFRICA. ML 3.6 (PRE).
	05	14	24	31.1%		38 052	N	15.083	E	10	G			0.2	5	SICILY
	05	14	27	55.2*		31.783	S	70.045	W	130	G			0 5	12	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	05	15	06	12.3		39.463	N	28.405	E	10	G			1 0	9	TURKEY. MD 3.1 (ISK).
	05	16	15	41.4%		38.810	S	175.002	E	237	*			0.4	29	NORTH ISLAND, NEW ZEALAND
	05	16	23	16.9		9.191	S	123.923	E	33	N	4 6		1.1	22	TIMOR REGION, INDONESIA
	05	16	36	57.8		41.244	N	22.838	E	10	G			1 0	28	NORTHWESTERN BALKAN REGION. ML 3.0 (TIR).
	05	16	41	09.8%		43.978	N	10.918	E	10	G			0 8	7	CENTRAL ITALY. MD 2.7 (FIR).
	05	16	57	54.7%		37.974	N	15.099	E	10	G			0 5	5	SICILY
	05	17	15	11.3&		63 210	N	150.698	W	131		3.4			82	CENTRAL ALASKA. <AEIC>.
	05	17	28	13.5%		26.372	S	27.410	E	10	G			0.8	8	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	05	18	20	58.3		32.584	S	66.888	W	33	N			1.0	18	SAN LUIS PROVINCE, ARGENTINA
	05	18	57	42 5?		40.39	N	23.61	E	10	G			0.3	4	GREECE
	05	19	17	38.6*		23.143	S	66.695	W	242	*			1.3	9	JUJUY PROVINCE, ARGENTINA
	05	19	26	34.5%		45.342	N	5.702	E	10	G			0.9	9	FRANCE. ML 2.4 (LDG).
	05	19	26	42.5%		45 507	N	5 838	E	10	G			0 6	7	FRANCE. ML 2.4 (LDG).
	05	20	04	41.7&		34.983	N	116.973	W	6					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.9 (GS). Felt.
	05	20	37	21 8		39.582	N	25.371	E	10	G			0.8	31	AEGEAN SEA. MD 3.7 (ISK).
	05	21	00	30.7&		63.632	N	149.714	W	126					67	CENTRAL ALASKA. <AEIC>.
	05	21	20	45.8		36.597	N	141 426	E	46	*	4.2	4.2	1.2	27	NEAR EAST COAST OF HONSHU, JAPAN
	05	22	26	21.9*		36.451	N	2.328	W	10	G			1 1	5	STRAIT OF GIBRALTAR mbLg 2.5 (MDD).
	05	22	53	37.8		44.017	N	20.639	E	10	G			0 9	20	NORTHWESTERN BALKAN REGION. ML 3.1 (TTG).
	05	22	58	28.5%		39.239	N	28 658	E	10	G			0.2	7	TURKEY. MD 3.1 (ISK).
	05	23	13	09.9*		19.808	N	64.715	W	10	G	4.1		0 8	9	VIRGIN ISLANDS
	05	23	22	01.9		6.769	S	147.706	E	10	G	4.5		0.2	6	EASTERN NEW GUINEA REG., P.N.G.
	05	23	25	28.6		6.412	S	130.402	E	63	D	5.1		0 9	62	BANDA SEA
	06	00	19	43.1%		45.808	N	27.532	E	10	G			0.5	7	ROMANIA
	06	00	44	21.9*		17.952	N	98.826	W	84	*	3.9		1.4	11	GUERRERO, MEXICO
	06	01	01	52.2		32.704	S	68.758	W	33	N			0.9	14	MENDOZA PROVINCE, ARGENTINA. MD 3.7 (SAN).
	06	01	02	22.9?		48.34	N	2.13	W	10	G			0.7	5	FRANCE. ML 2.7 (LDG).
	06	01	14	10.8%		41.231	N	19.858	E	21	*			1.0	7	ALBANIA. ML 3.4 (TIR).
	06	01	15	48.7*		21.995	S	170.803	E	33	N	4.6		1.1	10	LOYALTY ISLANDS REGION
	06	02	04	27.4%		39.208	N	28.545	E	10	G			0.8	6	TURKEY. MD 2.8 (ISK).
	06	02	15	53.7*		19.259	N	64.707	W	33	N	4.1		1.1	16	VIRGIN ISLANDS
	06	02	36	58.0?		39.32	N	28.71	E	10	G			1.0	4	TURKEY. MD 2.5 (ISK).
	06	02	41	53.9		36.432	N	23.193	E	89	*			1.1	26	SOUTHERN GREECE
	06	02	44	37.8?		39.76	N	19.88	E	10	G			1.2	8	GREECE-ALBANIA BORDER REGION. ML 3.5 (TIR).
	06	02	46	52.1%		38.532	S	178.465	E	63	?			1.2	10	OFF E. COAST OF N. ISLAND, N.Z.
	06	02	59	40.2%		44.169	N	7.195	E	10	G			0.7	5	NORTHERN ITALY. ML 1.4 (GEN).
	06	03	11	08.3?		35.33	N	28.28	E	33	N			1.3	5	EASTERN MEDITERRANEAN SEA. ML 3.4 (CSS).
a	06	03	42	44.8		14.910	N	93.798	W	29		4.8	4.6	1.1	76	NEAR COAST OF CHIAPAS, MEXICO. Mw 5.4 (HRV).
	06	03	58	21 5%		39.329	N	28.682	E	10	G			0.2	5	TURKEY. MD 2.7 (ISK).
	06	04	09	44.1		44.807	N	7.186	E	10	G			0.9	19	NORTHERN ITALY. ML 2.2 (GEN), 2.1 (LDG).
	06	04	10	27.9		43.216	N	0.669	W	10	G			0.7	20	PYRENEES. mbLg 3.4 (MDD). Felt (IV) in the Arette-Feas area, France.
	06	04	56	17.0		44.363	N	7.375	E	10	G			0.7	11	NORTHERN ITALY. ML 1.9 (GEN), 1.7 (LDG).
	06	05	02	53 8		44 594	N	129.805	W	10	G	3.9		0.8	95	OFF COAST OF OREGON
	06	06	43	20.2*		7.931	N	76.306	W	65	*	3.8		1.2	7	NORTHERN COLOMBIA
	06	08	30	24.0%		44.044	N	10.598	E	10	G			0 9	5	NORTHERN ITALY
	06	08	45	40 6&		59.057	N	153.967	W	99					41	SOUTHERN ALASKA. <AEIC>.
	06	10	47	48 8?		32.27	S	177.49	W	33	N	4.4		1.5	5	SOUTH OF KERMADEC ISLANDS
	06	11	43	02.8&		62.095	N	150.876	W	66					67	CENTRAL ALASKA. <AEIC>. ML 3.2 (PMR), 3.1 (AEIC). Felt (III) at Skwentna.

	06	11	57	50.6?	40.88	N	24.19	E	10	G			0.8	5	AEGEAN SEA
	06	12	52	19.7	26.379	S	27.618	E	5	G			0.8	9	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
	06	12	54	32.2*	51.100	N	15.814	E	10	G			0.8	8	POLAND. ML 3.2 (VIE).
	06	13	11	25.0&	60.039	N	151.284	W	47					37	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	06	13	25	04.9%	40.048	N	28.594	E	10	G			1.3	7	TURKEY. MD 3.0 (ISK).
	06	14	00	59.1?	19.37	N	66.46	W	10	G			0.6	7	PUERTO RICO REGION
	06	14	27	55.6?	19.40	N	66.46	W	10	G			0.5	7	PUERTO RICO REGION
	06	14	51	36.8*	31.703	S	68.773	W	112	?			0.5	8	SAN JUAN PROVINCE, ARGENTINA
	06	14	55	08.5%	39.064	N	27.609	E	10	G			0.8	5	TURKEY. MD 2.7 (ISK).
	06	16	44	58.2*	14.756	N	93.838	W	39	*	4.7		1.2	46	NEAR COAST OF CHIAPAS, MEXICO
	06	17	16	53.2	37.450	N	57.522	E	8		4.7	4.1	1.1	82	TURKMENISTAN-IRAN BORDER REGION. Felt at Bojnurd and Shirvan, Iran.
	06	18	21	49.0*	17.768	N	93.518	W	92	?	4.1		0.8	6	CHIAPAS, MEXICO
	06	18	24	01.5*	10.434	N	62.888	W	5	G			1.2	9	NEAR COAST OF VENEZUELA. MD 3.3 (TRN).
	06	18	30	30.0%	39.907	N	23.226	E	10	G			0.6	7	AEGEAN SEA
	06	19	29	31.5%	26.361	S	27.395	E	5	G			0.8	8	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	06	20	46	33.7%	47.626	N	1.609	W	10	G			0.9	10	FRANCE. ML 2.7 (LDG).
	06	21	39	59.1%	36.666	N	1.748	W	10	G			0.4	6	WESTERN MEDITERRANEAN SEA. mbLg 3.0 (MDD).
	06	22	10	00.2?	21.64	S	169.95	E	169	*	4.7		0.9	18	LOYALTY ISLANDS REGION
	06	22	10	40.8%	43.911	N	10.854	E	10	G			0.5	5	CENTRAL ITALY
	06	22	19	17.7?	36.47	S	176.65	E	307	?			0.4	14	OFF E. COAST OF N. ISLAND, N.Z.
	06	22	31	52.8*	27.975	S	71.213	W	211	?			1.1	11	NEAR COAST OF NORTHERN CHILE
a	06	22	51	44.6	28.997	N	52.137	E	24	D	5.4	5.3	1.0	364	SOUTHERN IRAN. Mw 5.4 (HRV). Severe damage in the Firuzabad-Dadenjan area.
	06	23	18	55.4*	11.532	N	87.182	W	33	N	4.9	4.1	1.3	32	NEAR COAST OF NICARAGUA
	06	23	44	00.3%	39.261	N	28.721	E	10	G			0.4	5	TURKEY. MD 2.7 (ISK).
	07	00	45	28.6*	19.515	N	64.400	W	10	G	4.6		1.4	20	VIRGIN ISLANDS
	07	02	32	18.8	39.455	N	25.477	E	10	G			0.8	10	AEGEAN SEA
	07	03	19	46.0%	38.479	S	175.795	E	201	*			0.5	36	NORTH ISLAND, NEW ZEALAND
	07	03	53	38.8&	59.523	N	151.360	W	5					42	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (PMR), 2.8 (AEIC).
	07	04	06	17.2	26.892	S	26.756	E	5	G			0.9	11	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE). mbLg 2.9 (BUL).
	07	04	22	59.0&	40.132	N	123.847	W	22					9	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	07	04	47	21.3	38.416	N	22.037	E	10	G			1.0	26	GREECE. ML 3.7 (TIR). MD 3.7 (ATH).
	07	06	25	51.8&	58.439	N	154.509	W	0					16	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
	07	06	58	16.8?	34.52	S	70.62	W	90	G			0.4	10	CHILE-ARGENTINA BORDER REGION
	07	07	01	30.2?	7.28	S	129.74	E	146	?			1.2	5	BANDA SEA
a	07	07	42	26.3	0.136	N	16.972	W	10	G	5.7	5.4	0.9	361	NORTH OF ASCENSION ISLAND. Mw 5.7 (HRV).
	07	07	44	25.4?	8.15	S	122.77	E	33	N	4.7		1.5	12	FLORES REGION, INDONESIA
	07	07	56	34.2*	14.941	N	92.680	W	63	*	4.2		0.8	9	NEAR COAST OF CHIAPAS, MEXICO
	07	08	14	19.3&	40.890	N	124.832	W	14					33	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 4.0 (BRK), 3.4 (GS).
	07	08	14	41.8*	34.182	N	45.463	E	33	N			0.8	11	IRAN-IRAQ BORDER REGION
	07	08	21	49.6%	40.321	N	24.038	E	10	G			0.6	6	AEGEAN SEA
	07	10	12	02.2	40.366	N	42.215	E	10	G	4.4		1.0	24	TURKEY. Felt at Erzurum and Kars.
	07	10	55	14.2%	37.138	N	1.971	W	10	G			0.4	5	SPAIN. mbLg 2.9 (MDD).
	07	11	30	19.5	42.970	N	18.762	E	10	G			0.6	10	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
a	07	12	02	10.4	32.031	S	178.073	W	10	G	5.2	4.9	1.3	39	SOUTH OF KERMADEC ISLANDS. Mw 5.6 (HRV).
a	07	12	06	44.2	32.036	S	178.074	W	10	G	5.5	5.3	1.0	75	SOUTH OF KERMADEC ISLANDS. Mw 5.6 (HRV).
	07	12	29	22.4?	42.75	N	24.32	E	10	G			0.6	7	BULGARIA
	07	12	31	51.6*	32.004	S	177.956	W	10	G	5.1	5.3	1.4	17	SOUTH OF KERMADEC ISLANDS
	07	14	08	17.5	14.923	N	93.686	W	46		4.6	4.5	0.9	52	NEAR COAST OF CHIAPAS, MEXICO
	07	15	16	57.1	38.725	N	26.577	E	10	G			0.6	15	AEGEAN SEA. MD 3.5 (ISK).
	07	15	57	24.8?	42.98	N	2.46	E	5	G			0.3	6	PYRENEES. ML 3.2 (LDG).
	07	16	15	12.7	7.994	S	80.398	W	40	D	4.9	4.5	1.1	53	OFF COAST OF NORTHERN PERU
	07	16	30	32.0*	39.247	N	28.660	E	5	G			0.3	5	TURKEY. MD 3.1 (ISK).
	07	16	31	10.6	46.962	N	9.348	E	10	G			1.1	15	SWITZERLAND. ML 2.7 (VIE), 2.7 (FUR), 2.6 (LDG).
	07	16	33	46.6	47.536	N	7.850	E	10	G			0.3	6	SWITZERLAND. ML 2.3 (LDG).
a	07	16	46	16.2*	32.123	S	177.949	W	10	G	5.3	4.9	1.1	39	SOUTH OF KERMADEC ISLANDS. Mw 5.4 (HRV).
a	07	18	35	04.0	25.085	S	179.987	W	521	D	5.0		1.1	91	SOUTH OF FIJI ISLANDS Mw 5.5 (HRV).
	07	18	58	29.9*	32.190	S	173.556	W	33	N	4.8		1.1	16	SOUTH OF KERMADEC ISLANDS
	07	19	18	44.4?	31.93	S	177.60	W	33	N	4.6		1.0	7	KERMADEC ISLANDS REGION
	07	20	11	51.8?	32.60	S	176.57	W	33	N	4.8		1.2	9	SOUTH OF KERMADEC ISLANDS
	07	20	35	28.7	49.190	N	6.966	E	10	G			1.1	8	GERMANY. MD 2.8 (UCC)
	07	20	45	49.8*	30.520	S	72.622	W	33	N			1.1	18	OFF COAST OF CENTRAL CHILE. MD 4.3 (SAN).
	07	21	29	32.1	49.244	N	6.971	E	19				0.8	19	GERMANY. MD 3.3 (UCC)
	07	22	00	06.6	32.486	S	71.706	W	10	G			0.7	15	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
	07	22	01	20.5*	51.160	N	15.913	E	10	G			1.4	5	POLAND. MG 2.8 (WAR).
	07	22	06	42.0&	47.595	N	121.515	W	14					103	WASHINGTON. <SEA-P>. MD 3.4 (SEA). Felt (IV) at Baring and (III) at Index and Skykomish. Also felt at Gold Bar, North Bend and Sultan.
	07	22	09	55.3&	62.980	N	151.031	W	115					52	CENTRAL ALASKA. <AEIC>.
	07	22	26	18.4%	40.549	N	23.111	E	10	G			0.7	7	GREECE
	07	23	15	24.7*	4.362	S	78.007	W	33	N	4.4		1.2	12	PERU-ECUADOR BORDER REGION
	07	23	17	54.8%	42.446	N	8.082	W	10	G			0.7	6	SPAIN. mbLg 3.2 (MDD).
	07	23	30	28.2	13.121	N	89.227	W	82	*	4.1		0.6	8	EL SALVADOR. Felt (III) at San Salvador.
	07	23	43	37.2%	43.009	N	18.723	E	10	G			0.5	7	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
	07	23	45	32.6	17.199	N	95.317	W	113		4.0		1.2	27	OAXACA, MEXICO
	07	23	57	55.6&	61.370	N	146.699	W	15					49	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	08	00	39	46.8?	32.43	S	71.96	W	10	G			0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	08	01	07	07.9?	1.52	N	126.89	E	33	N			0.5	12	NORTHERN MOLUCCA SEA
	08	01	43	08.1?	30.64	N	6.26	W	33	N			0.1	4	MOROCCO. MD 3.9 (RBA).
	08	02	42	09.0%	26.937	S	26.741	E	5	G			1.0	6	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
	08	02	45	30.8%	26.422	S	27.466	E	5	G			0.7	8	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
	08	03	03	48.9*	8.023	S	107.707	E	33	N	4.9		1.2	12	JAWA, INDONESIA
	08	04	53	09.0*	19.123	S	69.331	W	142	*	4.4		1.4	15	NORTHERN CHILE
	08	05	04	22.8&	48.917	N	128.811	W	10	G	3.7			59	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.3 (PGC).
	08	05	35	06.0%	28.001	S	26.712	E	5	G			0.7	8	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE).
	08	05	59	48.6	22.796	S	66.673	W	246		4.3		1.1	22	JUJUY PROVINCE, ARGENTINA
	08	06	00	07.1*	32.084	S	178.096	W	10	G	5.2	5.2	1.2	33	SOUTH OF KERMADEC ISLANDS
	08	06	01	31.2	7.391	N	34.588	W	10	G	4.8		1.1	48	CENTRAL MID-ATLANTIC RIDGE
	08	06	02	55.2?	32.77	S	70.78	W	100	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	08	06	08	55.6*	31.983	S	177.966	W	22	D	5.3	5.0	1.4	26	KERMADEC ISLANDS REGION

	08	06 57 51.8%	28 028	S	26.800	E	5	G			0.5	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE) Six people killed and 7 injured in a mine near Welkom.
	08	07 00 24.7?	32.39	S	72.04	W	15				0.2	8	OFF COAST OF CENTRAL CHILE MD 3.6 (SAN).
	08	07 18 08.2%	36.542	N	5.075	W	33	N			0.2	6	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
	08	07 19 23.0	38.811	N	142.813	E	10	G	4.8		1.2	31	NEAR EAST COAST OF HONSHU, JAPAN
	08	08 00 32.9&	57.670	N	142.803	W	10	G				28	GULF OF ALASKA. <AEIC>. ML 2.7 (AEIC).
	08	08 26 48.9	34.199	N	45.205	E	53	*			0.5	15	IRAN-IRAQ BORDER REGION
	08	09 39 51.5	40.514	N	21.918	E	10	G			0.8	7	GREECE
	08	09 47 23.1	14.864	S	166.795	E	35	*	4.7		0.9	40	VANUATU ISLANDS
	08	10 33 40 6*	5.595	N	126.747	E	113	*	4.7		1.0	14	MINDANAO, PHILIPPINE ISLANDS
	08	11 10 26.5	1.289	N	128.037	E	153	*	4.8		0.5	19	HALMAHERA, INDONESIA
	08	11 21 19.1%	26.942	S	26.755	E	5	G			0.9	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	08	11 48 34.4	44.425	N	7.215	E	10	G			0.1	8	NORTHERN ITALY. ML 2.6 (LDG).
	08	12 25 23 8&	47.591	N	121.512	W	10					39	WASHINGTON. <SEA-P>. MD 1.9 (SEA).
	08	12 45 39.9?	41.39	N	22.56	E	10	G			0.3	5	NORTHWESTERN BALKAN REGION. ML 2.3 (SKO).
	08	12 50 26.9	42.275	N	18.656	E	10	G			1.2	64	NORTHWESTERN BALKAN REGION. MD 4.3 (TRI). ML 3.7 (TTG).
	08	13 01 18.8&	35.830	N	90.030	W	21					30	ARKANSAS. <SLM-P>. MD 3.5 (SLM), 3.4 (TEIC). mbLg 3.5 (TUL), 3.4 (GS). Felt (IV) at Blytheville and Etawah; (III) at Armorel, Caraway, Dell, Gosnell, Leachville, Lepanto, Luxora, Monette and Osceola. Felt (III) at Tiptonville, Tennessee and at Hayti and Senath, Missouri. Also felt at Braggadocia, Caruthersville, Kennett and Steele, Missouri.
	08	13 45 26.7?	39.06	N	27.55	E	10	G			0.0	4	TURKEY. MD 2.7 (ISK).
	08	13 51 10.8	38.845	N	27.152	E	18				0.8	15	TURKEY. MD 3.5 (ISK).
	08	14 03 03.0*	5 628	S	147.266	E	143	*	4.2		1.0	7	EASTERN NEW GUINEA REG., P.N.G.
	08	14 23 02.1*	23.763	N	122.619	E	35	D	4.3		1.5	21	TAIWAN REGION
	08	15 02 47.1%	39.063	N	27.631	E	10	G			0.5	6	TURKEY. MD 2.8 (ISK).
	08	15 12 45.5%	26.381	S	27.426	E	5	G			0.5	6	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	08	15 32 43.4?	32.93	S	72.16	W	10	G			0.3	9	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	08	15 50 44.5?	32.52	S	176.16	W	33	N	4.6		0.9	9	SOUTH OF KERMADEC ISLANDS
	08	15 51 29.3*	44.379	N	8.105	E	10	G			0 6	6	NORTHERN ITALY. ML 2.5 (LDG).
	08	16 32 23.1%	26.876	S	26.716	E	5	G			0.4	11	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE). mbLg 3.2 (BUL).
	08	17 10 42.6*	31.843	S	177.638	W	10	G	5.1		1.0	18	KERMADEC ISLANDS REGION
a	08	17 31 10.8	13.006	N	49.351	E	10	G	5.3	5.0	1.1	227	EASTERN GULF OF ADEN. Mw 5.5 (HRV).
	08	17 33 53.9	7.032	S	129.791	E	144	D	4.9		1.0	71	BANDA SEA
	08	19 26 38 8	18.135	N	121.023	E	25		5.4	4.7	1.0	179	LUZON, PHILIPPINE ISLANDS
	08	19 30 17 0%	42.011	N	7 235	W	10	G			0.6	5	SPAIN. mbLg 3.1 (MDD).
	08	19 38 34.6	31.446	S	70.168	W	130	?			1 4	24	CHILE-ARGENTINA BORDER REGION. MD 4.5 (SAN).
	08	20 10 56 6%	44.396	N	7.258	E	10	G			0.3	5	NORTHERN ITALY. ML 1.4 (GEN).
	08	20 22 11 5%	39.121	N	29 326	E	10	G			0.4	6	TURKEY MD 2.9 (ISK)
	08	20 28 10.8*	29.317	N	102.967	E	5	G			0.5	5	SICHUAN, CHINA. ML 3.9 (BJI).
	08	21 41 17.7?	8.32	S	122 38	E	123	?	4.8		0.4	6	FLORES REGION, INDONESIA
	08	21 44 07.0	73.142	N	6.008	E	10	G	4.7	4.0	1.2	49	GREENLAND SEA
	08	21 52 27 6*	43 466	N	147 657	E	33	N	4 0		0 6	13	KURIL ISLANDS
	08	21 56 19 9%	27 995	S	26 761	E	5	G			0.7	6	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
	08	22 23 10.8%	39 733	N	23.754	E	10	G			0.5	10	AEGEAN SEA
	08	22 48 11 7*	30.469	S	177.515	W	10	G	5.0		1.2	21	KERMADEC ISLANDS, NEW ZEALAND. Felt (III) on Raoul Island.
	08	22 58 15 5	51.765	N	151 209	E	523		4.4		0.9	79	SEA OF OKHOTSK
	08	23 20 43 5*	17 862	S	70 135	W	142	*	3.5		1.3	10	NEAR COAST OF PERU
	08	23 29 44.9	33.009	S	69.879	W	128	?			0.6	16	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	09	00 50 51.0?	18.45	S	169.25	E	168	?	4.6		0.7	11	VANUATU ISLANDS
	09	01 08 57.7?	29.89	N	98.85	E	33	N	3.6		0.6	7	XIZANG. ML 3.4 (BJI).
	09	01 20 14.6	45.211	N	7.451	E	10	G			0.8	14	NORTHERN ITALY. ML 2.0 (GEN).
	09	01 29 19 0?	21.48	S	66.57	W	244	?			0.8	6	SOUTHERN BOLIVIA
	09	01 36 49.4%	44.771	N	6.913	E	10	G			0.3	5	FRANCE. ML 1.5 (GEN).
	09	01 58 42.8*	49.198	N	6.934	E	10	G			1.2	5	GERMANY
	09	02 29 46.4?	37.86	N	26.88	E	10	G			0.6	4	DODECANESE ISLANDS. MD 3.0 (ISK).
	09	02 36 49.5&	35.020	N	116.973	W	5					9	CENTRAL CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
	09	02 53 26.8&	65.017	N	152.046	W	20		2.7			59	NORTHERN ALASKA. <AEIC>. ML 3.4 (AEIC).
	09	04 01 08.1	38.939	N	142.496	E	27	D	4.7	4.4	1.2	59	NEAR EAST COAST OF HONSHU, JAPAN
	09	04 07 28.3&	35.025	N	116.974	W	4					8	CENTRAL CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.5 (GS).
	09	04 40 13.2?	41.75	N	12.72	E	10	G			0.7	5	SOUTHERN ITALY
	09	05 09 29.1?	16.49	S	74.00	W	100	?	3.9		1.3	9	NEAR COAST OF PERU
	09	05 26 38.7?	32.48	S	71.79	W	33	N			0.5	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	09	05 29 51 1	38.243	N	21.074	E	33	N	3 6		1.3	58	GREECE. ML 4.0 (TTG)
	09	05 33 59.3	19.509	N	69.556	W	28		4.7	4.4	1.0	94	DOMINICAN REPUBLIC REGION MD 4.8 (SDD). Felt at Santiago and in the Santa Domingo-San Cristobal area.
	09	07 04 48.3*	8.503	S	122.005	E	33	N	4.9		1.1	10	FLORES REGION, INDONESIA
	09	07 18 33 2&	38.027	N	118.730	W	8					14	CALIFORNIA-NEVADA BORDER REGION <GM-P>. MD 2.9 (GM).
	09	07 47 29.3?	36.64	S	177.01	E	323	?			0.4	19	OFF E. COAST OF N. ISLAND, N.Z.
	09	08 56 11.9&	40.747	N	124.880	W	11					8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK).
	09	09 14 07.2*	30.163	S	68.737	W	136	?			0.5	9	SAN JUAN PROVINCE, ARGENTINA
	09	09 52 57.1&	59.557	N	152.871	W	102					41	SOUTHERN ALASKA. <AEIC>.
a	09	11 15 51.9	32.199	S	178.113	W	10	G	5.4	5.2	1.4	47	SOUTH OF KERMADEC ISLANDS. Mw 5.5 (HRV).
	09	11 34 44.2	31.697	S	66.424	W	33	N			0.9	7	LA RIOJA PROVINCE, ARGENTINA
	09	12 04 39.0?	7.04	S	129.23	E	148	?			0.8	5	BANDA SEA
	09	12 31 37.2&	60.167	N	152.588	W	85					82	SOUTHERN ALASKA. <AEIC>.
	09	12 33 55.2	34.761	N	33.266	E	33	N	3.5		0.8	14	CYPRUS REGION. ML 3.6 (CSS). MD 4.0 (HLW). Felt (III) at Limassol.
	09	12 44 06.9?	10.53	N	61.35	W	33	N			0.4	4	TRINIDAD. MD 2.5 (TRN).
	09	13 54 35 8%	42.844	N	2.638	E	10	G			0.8	17	PYRENEES. ML 3.1 (LDG).
	09	14 04 11.3	42.559	N	21.934	E	10	G			1.1	15	NORTHWESTERN BALKAN REGION
	09	14 13 21 5%	42.274	N	18.774	E	10	G			0.3	8	NORTHWESTERN BALKAN REGIDN. ML 1.6 (TTG).
	09	14 16 18.8&	61.305	N	147.332	W	13					65	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.0 (PMR).
	09	14 52 44.8	35.902	N	29.940	E	42		4.6		1.2	209	EASTERN MEDITERRANEAN SEA. MD 5.1 (ATH). Felt on Rodhos and nearby islands, Greece. Also felt at Denizli, Turkey.
	09	15 12 32.4*	36.710	N	70 883	E	181	?	4.5		1.4	13	HINDU KUSH REGION, AFGHANISTAN
	09	16 47 52.6	40.474	N	23.496	E	10	G			0.7	9	GREECE
	09	17 54 04 3*	17.160	N	45 025	E	10	G	4	5	1.1	14	WESTERN ARABIAN PENINSULA. MD 4.5 (ARO). Some damage in the Sodah area, Yemen.

	09	18	05	47.9&	56	348	N	120.725	W	5	G			12	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.9 (PGC). Felt (V) north of Fort St. John; (IV) at Fort St John, Cecil Lake and Charlie Lake; (III) at Montney; (II) at North Pine and Rose Prairie. Also felt at Taylor.
	09	18	18	55.1*	3.491	S	151.176	E	16 D	4.8	1.3	22	NEW IRELAND REGION, P.N.G.
	09	19	31	02.6&	56.385	N	120.722	W	5 G			5	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.6 (PGC). Felt in the Fort St. John area.
	09	21	16	04.9&	56.344	N	120.694	W	5 G			5	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.8 (PGC). Felt in the Fort St. John area.
	09	21	49	28.1*	59.667	S	26.271	W	33 N	4.9 4.0	0.9	14	SOUTH SANDWICH ISLANDS REGION
	09	22	15	52.4%	38.055	N	14.197	E	5 G		1.3	5	SICILY
	09	23	05	13.2	37.694	N	20.374	E	10 G	4.3	1.4	98	IONIAN SEA. ML 4.4 (TTG), 4.3 (ATH). MD 3.9 (HLW).
	10	00	09	35.6%	38 007	N	26.900	E	10 G		0.5	7	AEGEAN SEA. MD 3.3 (ISK).
	10	00	52	20 0*	32 583	S	71.595	W	10 G		0.8	12	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	10	02	57	40.7?	36.19	N	29.78	E	10 G		0.3	5	TURKEY. MD 3.4 (ISK).
	10	03	30	11.2&	38.020	N	118.734	W	1			18	CALIFORNIA-NEVADA BORDER REGION <GM-P>. MD 2.7 (GM)
	10	04	12	35.5*	32.029	N	142.205	E	33 N	4.7	0.7	12	SOUTH OF HONSHU, JAPAN
	10	04	37	03.8%	43.236	N	20.025	E	10 G		0.2	6	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
	10	04	38	51 2&	37.137	N	121.520	W	5			16	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	10	05	00	20.2%	45.895	N	14.843	E	10 G		0 3	5	NORTHWESTERN BALKAN REGION. MD 2.5 (LJU). Felt (IV) at Veliko Loka, Slovenia.
	10	05	37	25.4&	38.027	N	118.734	W	2			14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.3 (BRK).
	10	05	38	56.6&	36.545	N	121.178	W	9			19	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	10	06	05	50.4&	66.691	N	147.634	W	0			19	NORTHERN ALASKA. <AEIC>. ML 3.2 (PMR), 3.0 (AEIC).
	10	07	20	02.9*	9.587	S	113.078	E	33 N	4.2	0.7	6	SOUTH OF JAWA, INDONESIA
	10	10	37	21.8	44.309	N	11.855	E	10 G		0.8	16	NORTHERN ITALY. ML 2.6 (LDG). MD 3.1 (LJU), 2.8 (FIR).
	10	10	53	59.6&	34.610	N	116.677	W	8			5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	10	11	09	21.3?	11.23	N	60.57	W	33 N		0.5	7	WINDWARD ISLANDS. MD 3.2 (TRN).
	10	11	44	49.9?	29.93	S	69.61	W	150 ?		0.9	8	CHILE-ARGENTINA BORDER REGION
	10	12	54	19.5%	38.588	N	14.583	E	10 G		0.8	9	SICILY
	10	13	02	23.1%	38.565	N	14.528	E	10 G		0.8	9	SICILY
	10	13	40	31.9&	63.195	N	151.449	W	11	2.6		56	CENTRAL ALASKA. <AEIC>. ML 3.1 (PMR), 2.7 (AEIC).
	10	13	45	24.7?	11.32	N	60.09	W	33 N	3.6	1.0	6	WINDWARD ISLANDS. MD 3.4 (TRN).
	10	13	52	06.7%	43.880	N	11.970	E	10 G		0.9	6	CENTRAL ITALY
	10	14	09	07.8?	39.09	N	27.60	E	10 G		0.2	4	TURKEY. MD 2.6 (ISK).
	10	14	34	19.6?	42.54	N	11.61	E	10 G		0.4	6	CENTRAL ITALY
f	10	14	39	00.3	59.274	S	26.205	W	61 G	6.3	1.0	284	SOUTH SANDWICH ISLANDS REGION. Mw 6.7 (GS), 6.7 (HRV). Mo=1.6*10**19 Nm (PPT). Depth from broadband displacement seismograms.
	10	15	37	41.5%	38.575	N	14.485	E	10 G		0.7	8	SICILY
	10	15	40	05.3?	38.67	N	14.39	E	10 G		0.8	6	SICILY
	10	16	23	42.3&	37.343	N	121.698	W	9			23	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	10	16	43	28.7%	48.582	N	6.220	E	10 G		0.9	8	FRANCE. ML 2.3 (LDG).
	10	16	43	59.5	27.895	S	72.234	W	33 N	5 3	1.3	89	OFF COAST OF NORTHERN CHILE
	10	17	41	52.9?	11.19	N	61.98	W	70 G		0 6	4	WINDWARD ISLANDS. MD 2.5 (TRN).
	10	17	44	07.8?	39.26	N	28.67	E	10 G		0.5	4	TURKEY. MD 2.7 (ISK).
	10	18	04	03.5	38.145	N	23.024	E	12		0.9	12	GREECE. ML 3.3 (ATH).
	10	18	07	57.0*	33.744	S	57.211	E	10 G	5.0	1.4	22	SOUTHWEST INDIAN RIDGE
	10	18	33	33.3%	44.151	N	11.900	E	10 G		0.6	6	NORTHERN ITALY
	10	18	39	40.0%	31.633	S	67.930	W	15		0.2	7	SAN JUAN PROVINCE, ARGENTINA
	10	19	27	21.7	38.395	N	21.852	E	10 G		0 8	12	GREECE MD 3.3 (ATH).
	10	19	35	52.4%	33.697	S	71.312	W	51 ?		0.2	11	NEAR COAST OF CENTRAL CHILE
	10	20	32	04.7	44.840	N	6.790	E	10 G		0.4	8	FRANCE. ML 2.3 (LDG).
	10	20	51	43.5?	0.59	N	125.37	E	106 *	4.8	0.8	7	NORTHERN MOLUCCA SEA
	10	22	48	17.3*	51.259	N	15.714	E	5 G		1.1	12	POLAND. ML 3.6 (VIE).
o	10	22	58	19.6	5.500	N	82.564	W	10 G	5.1 4.7	1.0	116	SOUTH OF PANAMA. Mw 5 5 (HRV). MD 4.6 (UPA).
	10	23	16	42.7&	46.473	N	122.280	W	17			29	WASHINGTON. <SEA-P>. MD 2.0 (SEA).
	11	00	12	33.6	45.209	N	7.465	E	10 G		0.9	29	NORTHERN ITALY. ML 2.8 (LDG), 2.5 (GEN).
	11	00	58	47.7*	35.003	N	137.137	E	33 N	4.5	1.5	10	EASTERN HONSHU, JAPAN
	11	01	59	56.1?	27.55	S	73.06	W	33 N	3.9	1.7	12	OFF COAST OF NORTHERN CHILE
	11	02	39	08.3*	23.086	N	142.322	E	33 N	4.6	1.1	8	VOLCANO ISLANDS REGION
	11	02	56	25.9*	38.125	N	20.361	E	10 G		1.4	20	GREECE. MD 3.5 (ATH).
	11	03	02	08.1&	34.092	N	116.382	W	0			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.8 (GS). Felt.
	11	03	14	44.4?	5.42	S	150.59	E	33 N	4.3	1.4	4	NEW BRITAIN REGION, P.N.G.
	11	03	16	29 5*	46 204	N	16 483	E	10 G		1.2	7	NORTHWESTERN BALKAN REGION. MD 3.1 (LJU). ML 2.7 (ZAG). Felt (IV) at Ludbreg, Reko and Subotica, Croatia
	11	03	53	54.7*	3.000	N	128.373	E	33 N	4.6	1.3	10	NORTH OF HALMAHERA, INDONESIA
	11	04	15	27.5%	26.400	S	27.392	E	5 G		0.8	9	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	11	04	40	44 0%	40 635	N	22.500	E	10 G		0.4	6	GREECE
	11	04	47	00.2?	30 56	S	68.82	W	10 G		1.0	5	SAN JUAN PROVINCE, ARGENTINA
	11	05	51	29.1&	34.391	N	116.462	W	3			8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt.
o	11	07	03	48.2	22.159	S	176.562	W	168 D	5.2	1.2	82	SOUTH OF FIJI ISLANDS. Mw 5.1 (HRV).
	11	07	35	27.3?	43.05	N	18.73	E	10 G		0.2	5	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
	11	07	54	16.3	18.423	N	145.242	E	471	4.8	0.9	86	MARIANA ISLANDS
	11	07	56	59.8	18 333	N	145.172	E	489 *	4.4	0.8	41	MARIANA ISLANDS
	11	08	22	47.2*	10.527	N	85.134	W	32 D	4.2	1.2	10	COSTA RICA. MD 4.4 (UPA).
	11	08	42	27.1*	5.483	S	147.149	E	188	4.8	0.8	11	EASTERN NEW GUINEA REG., P.N.G.
	11	08	57	38.2?	33.16	S	178.62	E	33 N		1.6	7	SOUTH OF KERMADEC ISLANDS
	11	09	30	07.1?	6.45	S	130.55	E	78 ?	4.5	0.7	8	BANDA SEA
	11	09	33	38.0%	39.124	N	27.585	E	5 G		0.5	5	TURKEY. MD 2.8 (ISK).
	11	09	42	54.0	40.486	N	21.859	E	10 G		0.6	7	GREECE
	11	09	50	15 2*	17.140	N	100.519	W	33 N	3.9	1.2	6	GUERRERO, MEXICO. Felt in Guerrero.
	11	10	49	11.2*	20.737	S	69.537	W	93 D	4.8	1.7	18	NORTHERN CHILE
	11	11	33	52.3	35.998	N	31.160	E	66	4.2	1.1	54	CYPRUS REGION. MD 4.0 (HLW), 4.0 (ISK).
	11	11	40	50.6?	39.13	N	27.51	E	10 G		0.2	4	TURKEY. MD 2.6 (ISK).
	11	13	08	26.5?	39.12	N	27.60	E	10 G		0.1	4	TURKEY. MD 2.7 (ISK).
	11	13	11	53.0*	32 655	S	71.712	W	33 N		1.3	13	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	11	13	30	24.4&	38.034	N	118.737	W	0			22	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3 4 (BRK).
	11	13	32	36 2&	38.028	N	118.728	W	7			25	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.8 (BRK).

	11	13 45 24.9?	48.29	S	126.79	E	10	G	4.2		1.1	15	SOUTH OF AUSTRALIA
	11	14 01 52.8*	3.707	N	76.951	W	57	?	4.0		1.6	12	COLOMBIA. Felt at Cali.
	11	14 17 17.2*	28.431	S	67.467	W	153	?			0.3	8	LA RIOJA PROVINCE, ARGENTINA
	11	14 39 39.8?	44.45	S	167.41	E	10	G			0.8	20	SOUTH ISLAND, NEW ZEALAND. ML 3.9 (WEL)
	11	14 54 04.6?	37.20	N	68.86	E	33	N	4.4		1.7	8	AFGHANISTAN-TAJIKISTAN BORD REG.
	11	14 54 26.4&	38.029	N	118.729	W	7					11	CALIFORNIA-NEVADA BORDER REGION <GM-P>. MD 2.6 (GM).
	11	15 21 04.3?	32.37	S	70.37	W	10	G			0.8	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	11	16 11 03.3?	38.76	N	12.68	E	10	G			0.9	7	SICILY
	11	16 22 06.5&	34.346	N	116.903	W	3					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	11	16 41 13.6	39.894	N	23.908	E	10	G			0.6	13	AEGEAN SEA
	11	16 43 20.4*	48.892	N	156.172	E	33	N	4.3		0.8	16	EAST OF KURIL ISLANDS
	11	16 48 29.9&	34.336	N	116.910	W	3					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	11	17 06 51.1%	26.872	S	26.648	E	5	G			1.0	10	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE)
	11	17 32 10.9&	59.957	N	153.333	W	130					49	SOUTHERN ALASKA. <AEIC>.
	11	18 01 00.8&	38.026	N	118.728	W	9					18	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM) ML 3.0 (GS), 3.0 (BRK).
	11	18 03 01.5%	44.895	N	6.592	E	10	G			0.4	7	FRANCE. ML 2.3 (GEN).
	11	18 19 36.8&	38.029	N	118.727	W	8		3.9			37	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.7 (GM). ML 4.0 (BRK), 4.0 (GS).
	11	18 24 01.4&	38.033	N	118.724	W	2					11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS)
	11	19 00 31.7%	28.525	S	67.605	W	147	?			0.7	12	LA RIOJA PROVINCE, ARGENTINA
	11	19 54 21.6	30.543	N	49.938	E	33	N	4.6		1.0	19	WESTERN IRAN. Felt at Behbahan.
	11	19 56 30.3	38.098	N	22.995	E	20				0.8	12	GREECE. ML 3.2 (ATH).
	11	20 06 43.6&	57.833	N	153.414	W	46		2.9			50	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
a	11	20 58 43.7	38.535	N	142.596	E	35	D	5.2	5.0	1.0	176	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV).
	11	21 45 07.2?	32.27	S	178.44	W	33	N	4.4		1.7	9	SOUTH OF KERMADEC ISLANDS
	11	22 00 06 5%	37.146	N	29.332	E	10	G			0.3	5	TURKEY. MD 3.1 (ISK).
a	11	22 22 58.9	5.366	N	82.541	W	33	N	5.1	5.0	1.1	127	SOUTH OF PANAMA. Mw 5.7 (HRV). MD 4.8 (UPA).
	11	23 19 10.3?	41.84	N	12.74	E	10	G			0.2	4	SOUTHERN ITALY
	12	01 02 51.2?	5.11	S	149.92	E	49	?	4.2		0.8	5	NEW BRITAIN REGION, P.N.G.
	12	02 03 23 6*	31.461	S	70.149	W	130	G			0.6	17	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
	12	02 25 36 9&	38.023	N	118.729	W	7					21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM) ML 3.0 (BRK), 2.8 (GS).
	12	02 37 14 5%	38 629	N	12.780	E	10	G			0.9	8	SICILY
	12	03 18 01 0?	37.37	N	23.69	E	10	G			0.5	5	SOUTHERN GREECE. ML 3.0 (ATH).
	12	05 01 16 6&	59 294	N	153.258	W	98		4.4			120	SOUTHERN ALASKA. <AEIC>. Felt (III) at Homer.
	12	05 19 49.1	38.096	N	23.022	E	33	N			0.7	15	GREECE. MD 3.2 (ATH).
	12	05 28 26.9*	9.325	S	148.879	E	33	N	4.4		1.4	8	EASTERN NEW GUINEA REG., P.N.G. ML 4.6 (PMG).
	12	05 46 10.1%	33.992	S	70.081	W	10	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	12	05 50 15 3&	58.592	N	142.769	W	10	G	3.2			45	GULF OF ALASKA. <AEIC>. ML 3.1 (PGC), 2.9 (AEIC).
	12	06 18 07.7*	49.168	N	155.688	E	33	N	4.4		0.9	13	KURIL ISLANDS
	12	06 19 19.9	34.435	N	80.544	E	33	N	4.7		1.3	31	XIZANG
	12	06 24 06.8?	43.42	N	7.82	E	10	G			0.3	5	NEAR SOUTH COAST OF FRANCE. ML 1.6 (GEN).
	12	06 59 08.5	44 467	S	168 348	E	10	G			0.5	13	SOUTH ISLAND, NEW ZEALAND. ML 4.3 (WEL).
	12	07 10 33.9*	19 636	N	64 711	W	32	D	4.3		0.9	20	VIRGIN ISLANDS
	12	08 52 43.0	31.169	N	80 309	E	33	N	4.8	4.3	1.3	38	XIZANG
	12	09 43 13.0&	63.688	N	149.909	W	138		2.8			50	CENTRAL ALASKA. <AEIC>.
	12	09 58 43.8*	40.429	N	21 801	E	10	G			0.8	7	GREECE
	12	11 07 01.3	46.420	N	12.497	E	10	G			1.2	9	NORTHERN ITALY. MD 2.8 (LJU). ML 2.2 (VIE).
	12	12 46 48.1?	10.55	N	61.66	W	10	G			1.1	4	TRINIDAD. MD 2.6 (TRN).
	12	12 47 24.9?	38.52	S	175.22	E	288	?			0.4	23	NORTH ISLAND, NEW ZEALAND
	12	13 06 09.4&	36.555	N	121.188	W	5					25	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK), 3.1 (GS).
	12	13 08 05.4%	41 283	S	172.805	E	154	*			0.5	15	SOUTH ISLAND, NEW ZEALAND
	12	13 24 00.4?	42.43	N	21.89	E	10	G			1.4	10	NORTHWESTERN BALKAN REGION
a	12	13 24 24.2	6.008	S	127.639	E	398		4.9		1.0	112	BANDA SEA. Mw 5.4 (HRV).
	12	13 33 09.8*	7 223	N	76.772	W	33	N	4.4		1.2	15	NORTHERN COLOMBIA MD 4.5 (UPA).
	12	14 15 27.1*	8.134	S	122.430	E	25	D	4.9		1.4	23	FLORES REGION, INDONESIA
	12	15 08 31.4&	34.099	N	116.384	W	1					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.7 (GS). Felt at Yucca Valley.
	12	15 32 49.8?	45.99	N	149.66	E	33	N	3.7		1.1	6	KURIL ISLANDS
	12	15 38 33.3*	32.784	S	179.553	E	397	*	4.4		1.4	27	SOUTH OF KERMADEC ISLANDS
	12	16 53 13.5*	37.713	S	176.092	E	276	*			0.4	36	NORTH ISLAND, NEW ZEALAND
	12	16 57 56.0?	31.56	S	72.19	W	33	N			0.8	13	OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	12	18 23 14.8	38.394	N	29.206	W	10	G	5.0	4.3	1.0	89	AZORES ISLANDS. Felt (V) on Faial, (IV) on Pico and (III) on Soo Jorge.
	12	18 23 58.7*	11.574	S	165.834	E	88	?	4.8		1.3	21	SANTA CRUZ ISLANDS
	12	18 50 52.5	42.528	N	22.045	E	10	G	4.2		1.0	66	BULGARIA. MD 3.8 (TTG). Felt (V) in the Vranje area, Yugoslavia.
	12	19 36 41.6	10.759	N	62.617	W	33	N			1.0	10	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
	12	20 17 23.7	17.729	S	178.129	W	536		5.4		0.9	44	FIJI ISLANDS REGION
	12	20 25 29.2	13.460	N	125.264	E	33	*	4.6		1.2	28	PHILIPPINE ISLANDS REGION
	12	20 39 55.9%	44.488	N	7.312	E	5	G			0.2	5	NORTHERN ITALY. ML 1.8 (GEN).
	12	20 42 22.1	4.592	N	125.441	E	33	N	4.8		1.0	32	TALAUD ISLANDS, INDONESIA
	12	22 16 37 2%	15 654	N	61.120	W	33	N			0.5	6	LEEWARD ISLANDS. ML 2.6 (FDF).
	12	22 58 38.5	37.792	N	143.086	E	25	D	5.0		0.9	113	OFF EAST COAST OF HONSHU, JAPAN
	12	23 32 04.9?	38.03	S	176.06	E	228	*			0.5	29	NORTH ISLAND, NEW ZEALAND
	12	23 48 46.2*	51.590	N	16.099	E	10	G			0.5	20	POLAND. ML 3.8 (GRF), 3.6 (VIE).
	13	00 20 41.7?	47.82	N	7.30	E	10	G			0.0	4	SWITZERLAND. ML 2.3 (LDG).
	13	00 34 43.9?	39.52	N	26.03	E	10	G			1.3	6	TURKEY
	13	00 56 12.3	34.351	N	28.764	E	66	*	4.0		1.2	28	EASTERN MEDITERRANEAN SEA. MD 4.1 (HLW).
	13	01 10 55.9%	37.082	N	4.450	W	10	G			0.6	5	SPAIN. mbLg 2.6 (MDD).
	13	01 24 13.1	43 003	N	18.735	E	10	G			0.4	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
a	13	01 31 54.0	38.870	N	142.489	E	31	D	5.2	4.7	1.0	202	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV).
	13	01 54 55.7%	37 065	N	4.483	W	10	G			0.6	11	SPAIN. mbLg 2.7 (MDD).
	13	02 03 57.5	42.550	N	22.025	E	10	G			0.7	21	BULGARIA. ML 2.7 (TTG).
	13	02 05 02.6&	34.046	N	116.703	W	10					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.7 (GS). Felt.
	13	02 32 13.7?	51.14	N	15.74	E	10	G			0.1	4	POLAND
	13	03 00 57.6*	42 436	N	19.118	E	19	*			0.2	9	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	13	03 50 21.3&	44.748	N	111.744	W	10					19	HEBGEN LAKE REGION. <BUT>. ML 3.2 (BUT).
	13	04 57 00.3?	30.45	N	50.25	E	33	N	3.9		1.1	15	NORTHERN IRAN
	13	05 12 34.8	39.188	S	174.757	E	240		4.4		0.8	47	NORTH ISLAND, NEW ZEALAND

	13	05	17	06.6	32.127	S	69.367	W	120	G			0.8	20	MENDOZA PROVINCE, ARGENTINA. MD 4 0 (SAN).
	13	06	14	20.4?	19.72	N	64.98	W	33	N	3.4		0.8	8	VIRGIN ISLANDS
	13	06	33	56.5*	7.827	N	126.622	E	94	*	4.9		1.0	14	MINDANAO, PHILIPPINE ISLANDS
	13	06	40	35.7*	55.931	S	27.203	W	33	N	5.1	5.5	1.2	24	SOUTH SANDWICH ISLANDS REGION
	13	06	49	09 9?	31.50	S	68.56	W	100	G			0.2	4	SAN JUAN PROVINCE, ARGENTINA
	13	07	02	37.4&	34.106	N	116.640	W	4					8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.8 (GS).
	13	08	23	04.2*	3.262	N	128.256	E	74	?	4.8		0.5	12	NORTH OF HALMAHERA, INDONESIA
	13	09	01	30.1&	35.684	N	117.609	W	6					6	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	13	09	39	30.5&	34.924	N	116.916	W	0					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.8 (GS). Felt.
	13	09	41	58.4*	14.239	N	90.210	W	185	*	4.5		1.0	33	GUATEMALA
	13	09	51	54.8?	26.50	S	27.40	E	5	G			0.9	4	REPUBLIC OF SOUTH AFRICA
	13	10	09	29.5&	61.439	N	147.165	W	13					49	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	13	10	57	57.3	42.006	S	173.352	E	26				0.8	19	SOUTH ISLAND, NEW ZEALAND. ML 3.7 (WEL).
	13	11	31	39.0*	19.582	S	70.011	W	85	*	3.8		1.7	9	NEAR COAST OF NORTHERN CHILE
	13	11	56	07.8?	31.23	S	68.62	W	106	?			1.2	7	SAN JUAN PROVINCE, ARGENTINA
	13	12	49	36.8%	32.915	S	70.231	W	110	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	13	13	17	19.4%	26.435	S	27.389	E	5	G			0.8	7	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	13	13	18	14.3%	51.652	N	102.154	E	10	G			0.7	7	RUSSIA-MONGOLIA BORDER REGION
	13	13	44	38.9%	43.068	N	18.750	E	10	G			0.3	8	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	13	14	56	31.9*	50.493	N	18.883	E	10	G			0.7	6	POLAND. ML 3.2 (WAR).
	13	15	14	21.9&	36.423	N	120.438	W	3					10	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK), 2.7 (PAS).
	13	16	32	41.6?	38.71	N	70.70	E	33	N	3.8		1.1	8	AFGHANISTAN-TAJIKISTAN BORD REG.
	13	17	08	59.3?	31.31	S	68.88	W	105	?			1.7	9	SAN JUAN PROVINCE, ARGENTINA
a	13	17	11	07.5	17.955	N	76.583	W	16	D	5.5	4.8	1.1	337	JAMAICA REGION. Mw 5.5 (HRV). MD 5.7 (UPA), 5.4 (HOJ). One person killed ond some damage (VII) in the Kingston oreo. Felt strongly throughout much of Jamaica.
	13	17	44	02.2?	32.57	S	72.11	W	33	N			0.4	9	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	13	17	56	25.2&	63.313	N	147.598	W	73					48	CENTRAL ALASKA. <AEIC>.
	13	18	21	44.6?	36.47	S	179.09	E	101	?	3.5		1.4	18	OFF E. COAST OF N. ISLAND, N.Z.
	13	18	41	39.4*	22.263	S	68.591	W	131	*	4.4		1.2	20	NORTHERN CHILE
a	13	18	50	42.5	50.791	S	139.505	E	10	G	5.9	6.3	1.4	297	SOUTH OF AUSTRALIA. Mw 6.3 (GS), 6.3 (HRV). Two events about 3 seconds opart. Depth from broadband displacement seismograms, based on second event.
	13	18	52	05.4%	18.101	N	76.650	W	19	*			0.2	6	JAMAICA REGION. MD 3.1 (HOJ). Felt (IV) in the Kingston area.
	13	19	26	33.2?	14.59	N	95.13	W	33	N			0.0	4	OFF COAST OF OAXACA, MEXICO
	13	19	34	50.3	19.454	N	64.526	W	33	N	5.0		1.0	117	VIRGIN ISLANDS
	13	19	35	50.2%	38.047	N	14.152	E	10	G			1.1	5	SICILY
	13	19	53	34.1	19.488	N	64.465	W	33	N	4.9		1.0	66	VIRGIN ISLANDS
	13	20	15	20 2*	19 261	N	64.320	W	33	N	4.2		1.4	8	VIRGIN ISLANDS
	13	21	31	39.1*	19.526	N	64.315	W	33	N	4.4		1.3	14	VIRGIN ISLANDS
	13	23	04	34.9%	39.577	N	23.333	E	10	G			0.4	7	AEGEAN SEA
	13	23	54	20.7%	26.413	S	27.451	E	5	G			0.9	7	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	13	23	56	01 6	19 485	N	64.443	W	33	N	4.8		1.4	70	VIRGIN ISLANDS
	14	00	19	05 3*	19 612	N	64.297	W	33	N	4.1		1.4	15	VIRGIN ISLANDS
	14	00	30	44.1	19.477	N	64.353	W	33	N	4.3		1.4	24	VIRGIN ISLANDS
	14	00	39	53.7	45 561	N	6.058	E	10	G			0.7	18	FRANCE. ML 2.6 (LDG).
	14	00	41	26.8	41 903	N	23.088	E	10	G			1.0	18	GREECE-BULGARIA BORDER REGION. ML 3.0 (SKO).
	14	00	50	11 8&	40 322	N	124.615	W	19					5	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM).
	14	00	52	38.4?	18 12	N	76.64	W	10	G			0.1	4	JAMAICA REGION. MD 2 2 (HOJ). Felt at Mona and Barbican.
	14	01	43	42 2?	18.11	N	76.64	W	10	G			0.1	4	JAMAICA REGION. MD 2.3 (HOJ). Felt (III) at Borbican.
	14	02	03	28.5?	19.46	N	64.28	W	33	N	3.5		0.9	7	VIRGIN ISLANDS
	14	02	27	16 6%	18 011	N	76.677	W	10	G			0 6	5	JAMAICA REGION. MD 2.1 (HOJ). Felt (III) in the Kingston oreo.
	14	02	44	24 9?	19 50	N	64.42	W	33	N	3.3		0.4	7	VIRGIN ISLANDS
	14	03	31	15.8*	14 152	S	166 988	E	33	N	4.7		1.0	14	VANUATU ISLANDS
	14	03	46	36.3*	6.214	N	82.496	W	33	N	4.2		1.1	11	SOUTH OF PANAMA. MD 4.1 (UPA).
	14	04	43	12 0?	11.44	S	165.26	E	33	N	4.1		1.3	8	SANTA CRUZ ISLANDS
	14	05	22	13.7?	31.24	S	68.50	W	100	G			0.1	4	SAN JUAN PROVINCE, ARGENTINA
	14	05	26	27 4	6 625	S	130.517	E	32	D	5.2		1.0	90	BANDA SEA
	14	05	34	46.2%	18.136	N	76.638	W	10	G			0.7	6	JAMAICA REGION. MD 2.4 (HOJ). Felt (III) at Cherry Gardens.
	14	05	45	04.7?	30.94	N	49.88	E	33	N			0.2	5	WESTERN IRAN
	14	06	08	02.0	30.486	N	50 237	E	33	N	4.6		1.1	42	NORTHERN IRAN. Felt at Behbahan.
	14	06	59	14 6%	26 381	S	27.659	E	5	G			1.0	9	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	14	07	09	08.7%	44.473	N	7.322	E	10	G			0.2	5	NORTHERN ITALY. ML 1.5 (GEN).
	14	07	17	06.0	33.391	N	59.721	E	33	N	4.8	4.7	1.2	64	NORTHERN IRAN. Felt at Qaen.
	14	08	16	42.3%	40.160	N	19.999	E	10	G			0.7	6	ALBANIA. ML 2.5 (TIR).
	14	08	23	05.6	45.530	N	20.959	E	10	G			0.9	43	NORTHWESTERN BALKAN REGION. MD 4.1 (TRI), 3.7 (TTG), 3.6 (LJU).
	14	08	25	34.8	26.349	S	27.462	E	5	G			1.0	12	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE). mbLg 3.1 (BUL).
	14	08	27	40.1*	18.176	S	172.853	W	46	D	4.9	4.8	1.3	38	TONGA ISLANDS REGION
	14	08	29	43.3?	19.50	N	64.35	W	33	N	3.2		0.4	8	VIRGIN ISLANDS
	14	08	41	22.3?	7.60	S	128.51	E	33	N			1.7	7	BANDA SEA
	14	08	41	33.4	1.553	S	80.799	W	33	N	4.7	4.1	1.2	32	NEAR COAST OF ECUADOR
	14	09	10	02.5?	41.76	N	20.61	E	10	G			1.6	4	ALBANIA. ML 2.1 (TIR).
	14	09	31	33.6*	40.338	N	21.842	E	10	G			0.9	7	GREECE
	14	09	34	39.9*	17.095	N	94.328	W	140	*	3.2		1.1	7	CHIAPAS, MEXICO
	14	09	38	20.5?	37.94	N	15.18	E	10	G			0.1	4	SICILY
	14	09	58	19.4%	18.067	N	76.647	W	10	G			0.4	5	JAMAICA REGION. MD 2.4 (HOJ). Felt at Kingston.
	14	10	53	32.6	19.452	N	64.432	W	33	N	4.4		1.3	24	VIRGIN ISLANDS
	14	10	55	55.1&	33.894	N	120.343	W	10	G				5	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	14	11	30	40.9	49.192	N	6.842	E	10	G			0.6	6	GERMANY. MD 2.5 (UCC).
	14	12	02	03.6	28.704	S	67.580	W	143	*			0.6	15	LA RIOJA PROVINCE, ARGENTINA
	14	12	36	00.5&	62.105	N	150.292	W	61					52	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	14	12	51	28.5	41.923	N	23.042	E	10	G			0.8	14	GREECE-BULGARIA BORDER REGION. ML 2.0 (SKO).
	14	13	07	39.1?	33.24	S	72.04	W	33	N			0.3	9	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	14	13	32	27.2	8.595	S	122.968	E	24	D	5.0		1.2	46	FLORES REGION, INDONESIA
	14	14	13	04.9%	44.773	N	7.265	E	10	G			0.7	8	NORTHERN ITALY. ML 1.8 (GEN).
	14	14	30	41.2	23.377	N	143.553	E	24	D	5.0		1.2	93	VOLCANO ISLANDS REGION
	14	15	24	22.8	37.154	N	28.223	E	10	G	4.5		1.4	97	TURKEY. MD 4.6 (HLW), 4.3 (ISK). ML 4.3 (CSS). Felt in

														the Mugla area.
	14	15	29	41.0?	19.30	N	63.81	W	33	N	3.6	1.1	5	LEEWARD ISLANDS
	14	16	51	42.4*	42.027	N	73.816	E	33	N	4.0	0.5	6	KYRGYZSTAN
	14	17	06	10.4&	36.595	N	98.275	W	5	G			11	OKLAHOMA. <TUL>. mbLg 3.1 (TUL), 3.1 (GS). Felt (IV) at Jet and Wakita. Felt (III) at Cherokee, Dacoma, Helena and Nash.
	14	17	08	49.3*	42.923	N	19.718	E	5	G		0.9	13	NORTHWESTERN BALKAN REGION. MD 2.6 (TTG). ML 2.3 (TIR).
	14	17	11	05.3%	42.933	N	19.843	E	10	G		0.5	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	14	17	26	55.3?	41.43	N	23.01	E	10	G		0.7	6	GREECE-BULGARIA BORDER REGION
	14	17	55	42.5%	26.894	S	26.638	E	5	G		0.6	11	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
	14	18	01	09.5	40.399	N	21.392	E	10	G		1.3	16	GREECE. MD 2.4 (TIR).
	14	18	03	58.6	40.980	N	22.405	E	10	G		0.5	11	GREECE. ML 1.5 (SKO).
	14	18	05	24.6%	44.275	S	167.945	E	10	G		0 8	18	SOUTH ISLAND, NEW ZEALAND. ML 3.7 (WEL).
	14	18	22	47 2	19.471	N	64.437	W	33	N	4.5 3.8	1 5	27	VIRGIN ISLANDS
	14	18	40	49.8*	19 283	N	64.258	W	33	N	4.0	1 0	7	VIRGIN ISLANDS
	14	18	44	21.7*	3.930	N	125.570	E	28	*	4.9	1.6	29	TALAUD ISLANDS, INDONESIA
	14	19	44	50.4?	37.26	N	72.06	E	109	?	4.4	1.4	11	TAJIKISTAN
	14	22	06	44.6*	51.830	N	158.367	E	33	N	4.6	0.7	24	NEAR EAST COAST OF KAMCHATKA
	14	22	23	30.4?	21.07	S	69.75	W	120	G		1.1	5	NORTHERN CHILE
	14	22	34	54.7	18.928	S	175.112	W	158	D	5.1	1 2	91	TONGA ISLANDS
	15	00	11	30 8%	44.465	N	7.369	E	5	G		0.3	5	NORTHERN ITALY. ML 1.5 (GEN).
	15	00	19	28.8?	7.60	S	104.54	E	33	N	4.3	0.7	9	SOUTHWEST OF SUMATERA, INDONESIA
	15	00	59	55.1%	26.410	S	27.469	E	5	G		0.6	8	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	15	01	44	42.8&	60.553	N	147.245	W	15		2.5		61	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
	15	02	02	51.8&	35.075	N	84.974	W	2				20	TENNESSEE. <TEIC>. MD 3.2 (TEIC). mbLg 3.1 (GS). Felt (IV) at McDonald and (III) at Apison, Calhaun, Chattanooga, Collegedale, Ooltewah and Varnell. Felt in the Cleveland and Etowah areas. Also felt in parts of northern Georgia.
	15	02	30	57.5?	28.95	N	139.47	E	435	?	4.2	0.7	16	BONIN ISLANDS REGION
	15	02	31	28.5?	9.00	S	120.69	E	33	N	4.9	1.7	7	SUMBA REGION, INDONESIA
	15	03	29	25.5?	47.44	S	165.21	E	33	N	4.6	1.3	11	OFF W. COAST OF S. ISLAND, N.Z.
	15	03	37	12.3?	21.78	N	142.88	E	252	?	4.3	0.5	9	MARIANA ISLANDS REGION
	15	03	44	56.1&	34.330	N	116.461	W	2				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	15	04	27	12.4%	37.105	N	4.367	W	10	G		1.1	8	SPAIN. mbLg 2.8 (MDD).
	15	04	28	45.6	37.100	N	4.355	W	10	G		1.2	13	SPAIN. mbLg 3.4 (MDD).
	15	04	31	12.9?	36.93	N	4.58	W	10	G		0 3	4	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
	15	04	31	17.3?	37.09	N	4.40	W	10	G		0 1	4	SPAIN. mbLg 2.6 (MDD).
	15	04	33	13.6*	42 552	N	21.855	E	10	G		1.7	12	NORTHWESTERN BALKAN REGION
	15	04	55	27.6*	10 630	N	86.716	W	33	N	4.4 4.0	1.3	30	OFF COAST OF COSTA RICA
	15	04	56	45 4&	63.963	N	153.321	W	10		2.9		61	CENTRAL ALASKA. <AEIC> ML 3.6 (PMR), 3.1 (AEIC).
	15	04	57	18.7?	32.06	S	177.90	W	33	N	4.8	1.3	15	SOUTH OF KERMADEC ISLANDS
	15	05	26	39 6	44.325	N	7.378	E	14	*		0.5	10	NORTHERN ITALY. ML 2.1 (LDG), 1.9 (GEN).
	15	05	56	58.1&	40.395	N	124 605	W	4				8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	15	06	25	09 9&	60.109	N	153.074	W	122		2 8		60	SOUTHERN ALASKA. <AEIC>.
	15	06	42	44 4*	22 476	S	171.967	E	33	N	4.4	1.3	16	LOYALTY ISLANDS REGION
	15	08	14	11.9*	53.607	N	165.682	W	33	N	4.4	0.9	22	FOX ISLANDS, ALEUTIAN ISLANDS
	15	08	21	14.1?	7 68	S	129.31	E	33	N	4.0	0.9	5	BANDA SEA
	15	08	41	25 8?	34.44	N	80.00	E	33	N	3.9	1.5	8	XIZANG
	15	08	47	53 4%	38.427	N	13 457	E	10	G		1.0	5	SICILY
	15	09	26	34.2*	57 804	S	29.680	W	33	N	5.0	1.0	15	SOUTH SANDWICH ISLANDS REGION
	15	10	42	07.7&	61.422	N	149.947	W	35				51	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
a	15	11	06	01.9	42.982	N	144.165	E	112	D	6.1	0.9	595	HOKKAIDO, JAPAN REGION. Foreshock.
f	15	11	06	05.9	43.300	N	143.691	E	102	G	6.9 7.1	1.5	203	HOKKAIDO, JAPAN REGION. Mw 7.5 (GS), 7.6 (HRV). Ms 6.7 (BRK). Mo=5.5*10**20 Nm (PPT). Two people killed, 614 injured and substantial damage (VI JMA) at Kushiro, Hokkaida and Hachinahe, Honshu. Felt (V JMA) at Hiraa, Nemura, Obihira, Otaru and Urakawa; (IV JMA) at Hakadate and Tamakomai; (III JMA) at Sapporo, Hakkaido. Felt (IV JMA) at Aomori and Morioka; (III JMA) at Akita, Fukushimo, Sendai, Tokyo and Yokohamo, Honshu. Also felt (VII) on Shikotan and (VI) at Kurilsk, Kuril Islands. Landslides and subsidence occurred in the epicentral area. Depth from broadband displacement seismograms.
	15	11	13	49.4&	37.920	N	122.288	W	5				16	CENTRAL CALIFORNIA. <BRK> ML 3.2 (BRK). Felt at Albany, Berkeley, El Cerrito, Kensington and Richmond.
	15	11	47	45.7*	31.609	S	70.142	W	130	G		0.4	11	CHILE-ARGENTINA BORDER REGION MD 3.7 (SAN).
	15	12	15	00.0*	36.495	N	43.676	E	33	N	4.7	1.3	84	IRAQ
	15	12	22	10.6*	43.580	N	143.285	E	33	N	4.3	1.3	6	HOKKAIDO, JAPAN REGION
	15	12	46	12.6	36.895	N	4.389	W	33	N		0.8	11	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD).
	15	13	02	55.5?	34.72	S	71.91	W	33	N		0.4	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	15	13	33	13.3*	42.813	N	23.839	E	10	G		0.5	6	BULGARIA
	15	14	17	57.8	39.209	N	116.355	W	10	G	4.2	0.9	36	NEVADA. ML 4.3 (GS), 4.5 (BRK). Felt (III) at Eureka.
	15	15	27	01.0?	50.31	N	18.96	E	10	G		1.3	5	POLAND. ML 3.1 (WAR).
	15	16	37	41.3	42.100	N	84.570	E	23	D	4.9	0.9	96	NORTHERN XINJIANG, CHINA. ML 5.2 (BJI).
	15	17	13	33.7%	44.873	N	7.635	E	10	G		0.8	12	NORTHERN ITALY. ML 2.4 (GEN).
	15	18	24	49.7%	26.356	S	27.675	E	5	G		1.4	6	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	15	18	41	11.2	19.544	N	64.384	W	25	D		0.9	30	VIRGIN ISLANDS
	15	19	05	20.6*	23 529	S	70.682	W	74	*		0.9	8	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasta.
	15	19	57	52 2&	60.895	N	150.159	W	31				59	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	15	20	03	17.3*	7.177	N	76.514	W	33	N	4.4	1.6	17	NORTHERN COLOMBIA. MD 4.6 (UPA).
	15	21	49	56.4	41.122	N	22.432	E	10	G		0.4	6	NORTHWESTERN BALKAN REGION. ML 2.1 (SKO).
	15	22	01	12.1?	48 69	N	7.24	E	10	G		1.2	5	FRANCE. MD 2.9 (UCC).
	15	22	17	50.4%	18.042	N	76.684	W	10	G		0.9	5	JAMAICA REGION. MD 2.7 (HOJ). Felt (III) at Barbican, Cherry Gordens and Mona.
	15	23	58	20.5*	49.192	N	6.896	E	10	G		0.1	5	GERMANY. MD 2.5 (UCC).
	16	00	19	21.3*	11.671	S	118 052	E	33	N	4.3	1.0	11	SOUTH OF SUMBAWA, INDONESIA
	16	01	48	26 0&	60.091	N	152.934	W	102				80	SOUTHERN ALASKA. <AEIC>.
	16	02	10	14.9	40.112	N	19 883	E	10	G		1.3	14	ALBANIA. MD 3.1 (ATH). ML 2.9 (TIR).
	16	02	29	39.3	30.151	N	131 132	E	34	D	4.9 4.7	1.1	72	KYUSHU, JAPAN
	16	02	48	55.3&	63.500	N	150.647	W	16				46	CENTRAL ALASKA. <AEIC>. ML 3.0 (PMR), 2.6 (AEIC).

	16	02 54 53.8?	51.11	N	15.66	E	10	G			1.7	4	POLAND
	16	03 55 04.7%	37.100	N	4 373	W	10	G			1.2	14	SPAIN. mbLg 3.0 (MDD).
	16	05 03 54.6?	20.34	S	66.32	E	10	G	4 8		1.6	8	MAURITIUS-REUNION REGION
	16	05 16 46.7	19.374	N	64.378	W	33	N	4.1	3.9	1.0	28	VIRGIN ISLANDS
	16	05 18 55.8&	62.099	N	149.614	W	47					71	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
	16	05 42 13.7*	51.257	N	15.794	E	10	G			1.6	7	POLAND. ML 3.2 (VIE).
	16	06 12 27.1%	40.415	N	23.780	E	10	G			0.6	5	GREECE
	16	06 29 34.9&	37.025	N	121.458	W	5		4.8	4.4		139	CENTRAL CALIFORNIA. <BRK>. ML 5.3 (BRK). Minor damage in the Gilroy area. Felt (V) at Ben Lomond and San Bruno; (IV) at Alamo, Fremont, Hayward, La Selva Beach, Los Gatos, Millbrae, Mount Hermon, Oakland, Patterson, San Francisco, San Jose, San Lorenzo, Saratoga and Tres Pinas. Felt as far north as Santa Rosa and south to central Monterey County. Also felt at Modesto and Sacramento.
	16	07 10 37.9%	31.305	S	68.718	W	119	?			0.1	6	SAN JUAN PROVINCE, ARGENTINA
	16	07 49 30.0	41.944	N	22.989	E	10	G			0.7	18	NORTHWESTERN BALKAN REGION. ML 3.1 (SKO).
	16	10 41 47.2	6.536	S	129.897	E	137	*	4.8		1 2	40	BANDA SEA
	16	10 55 08.1*	20.798	S	179.006	W	622	*	4.6		0.9	44	FIJI ISLANDS REGION
	16	11 46 12.4?	15.72	N	60.63	W	33	N			0.1	5	LEEWARD ISLANDS. ML 2.9 (FDF).
	16	11 53 10.7?	44.72	N	2.07	E	10	G			0.4	5	FRANCE. ML 2.3 (LDG).
	16	12 46 43.0?	26.89	S	26.84	E	5	G			0.0	4	REPUBLIC OF SOUTH AFRICA
	16	13 48 44.4&	60.266	N	153.587	W	172					72	SOUTHERN ALASKA. <AEIC>.
	16	15 15 16.6	27.470	S	71.112	W	35	D	5.4		1.4	52	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Copiapo and Diego de Almogra; (II) at Caldera.
	16	15 36 23.6*	43.166	N	0.319	E	10	G			1.6	11	FRANCE. mbLg 3.0 (MDD). ML 2.8 (LDG).
	16	17 04 52.5&	36 832	N	121.585	W	7					17	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	16	17 32 55.8*	42.179	N	22.968	E	10	G			0.6	11	BULGARIA. ML 3 0 (SKO).
	16	17 42 25.8?	51.20	N	15.84	E	10	G			0.9	4	POLAND
	16	17 54 11.4?	37.07	N	50.58	E	33	N	3.6		1.2	5	CASPIAN SEA. Felt at Rudbar, Iran.
	16	19 04 33.9	37.041	N	22.171	E	33	N			0.8	12	SOUTHERN GREECE. MD 3.2 (ATH).
	16	19 45 40.7*	15.587	N	95.930	E	33	N	4.3		1 5	11	NEAR SOUTH COAST OF MYANMAR
	16	20 47 31.6?	40.09	N	20.76	E	10	G			1.1	5	GREECE-ALBANIA BORDER REGION. ML 2.4 (TIR).
	16	22 05 20.3?	37.47	N	1.92	W	10	G			1.6	4	SPAIN. mbLg 2.5 (MDD).
	17	00 52 06.8?	39.40	N	26.25	E	10	G			0.5	8	TURKEY
	17	01 06 15.2	31.731	S	69.781	W	130	G			0.5	18	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
	17	01 11 20.6%	43.660	N	12.053	E	10	G			0.5	6	CENTRAL ITALY
	17	01 31 52.1%	40.080	N	23.642	E	10	G			0.6	8	GREECE
	17	02 16 01.2?	13.46	N	91.64	W	33	N			0.6	6	NEAR COAST OF GUATEMALA
	17	02 33 57.8?	45.56	N	14.33	E	5	G			0.2	4	NORTHWESTERN BALKAN REGION. MD 2 2 (LJU), 1.5 (TRI).
	17	02 42 19.2	41.730	N	19.584	E	10	G			0.6	12	ALBANIA. ML 3.0 (TIR) MD 2.9 (TTG).
	17	02 52 49.8?	19.52	N	64.40	W	33	N			0.5	9	VIRGIN ISLANDS
	17	03 00 27.8&	39.947	N	120.905	W	9					21	NORTHERN CALIFORNIA <BRK>. ML 3.1 (BRK), 3.1 (GS).
	17	03 07 41.0%	43.033	N	18.729	E	10	G			0.4	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	17	03 59 34.8?	34.59	N	105.03	E	10	G	3.2		1.5	4	GANSU, CHINA. ML 3.6 (BJI).
	17	04 01 48.9*	21.233	S	68.684	W	154	*			0.9	10	CHILE-BOLIVIA BORDER REGION
	17	04 57 30.6%	43.619	N	12.071	E	10	G			1.1	5	CENTRAL ITALY
a	17	05 36 06.3	19.722	S	168.875	E	31	D	5.0	4.8	1.3	107	VANUATU ISLANDS. Mw 5.2 (HRV).
	17	06 46 47.6*	34.707	N	105.107	E	10	G			1.2	7	GANSU, CHINA. ML 3.8 (BJI).
	17	07 39 19.9?	43.89	N	11.83	E	10	G			1.5	4	CENTRAL ITALY
	17	07 58 26.2	9.911	S	161.402	E	52	D	4.8		1.0	35	SOLOMON ISLANDS
	17	08 47 49.2	42.137	N	125.798	W	10	G	4.0		0.6	101	OFF COAST OF OREGON. ML 3.9 (BRK).
	17	08 56 51.6	41.731	N	19.565	E	10	G			0.6	11	ALBANIA. ML 2.6 (TIR), 2.4 (TTG).
	17	08 57 46.2&	34.275	N	116.741	W	1					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	17	09 19 13.4*	38 287	N	27.072	E	10	G			0.9	14	TURKEY. MD 3.9 (ATH), 3.6 (ISK). Felt in the Izmir area.
	17	09 47 52.4*	40 609	N	41 684	E	33	N	4.3		1.1	10	TURKEY
	17	10 25 33.7&	64.958	N	149.180	W	17		4.2			69	CENTRAL ALASKA. <AEIC>. ML 4.8 (PMR), 4.7 (AEIC). Felt (IV) at Fairbanks and Minto; (III) at Clear, Manley Hot Springs and Nenana. Also felt at Chena Hot Springs, Fox, North Pole and Two Rivers.
	17	10 51 23.7	43.633	N	12 283	E	11		4.4		1.0	97	CENTRAL ITALY. MD 4.2 (TRI), 4.1 (FIR), 3.8 (ROM). ML 4.2 (VIE) mbLg 4.1 (UCC).
	17	11 03 12 2%	43.572	N	12 255	E	10	G			0.6	8	CENTRAL ITALY
	17	11 06 13.7?	43.47	N	12.28	E	10	G			1.3	4	CENTRAL ITALY
	17	12 10 35.9	43.573	N	12.250	E	10	G			0.7	7	CENTRAL ITALY
	17	13 45 47 7%	40 087	N	20 640	E	10	G			1.7	7	GREECE-ALBANIA BORDER REGION ML 2.7 (TIR).
	17	13 49 45.9	12.318	N	87.338	W	83	D	4.8		0.9	90	NEAR COAST OF NICARAGUA. Felt along the Pacific coast of Nicaragua.
	17	13 56 40.7&	34.240	N	117.440	W	13					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt.
	17	14 09 32.9%	43.602	N	12.265	E	10	G			0.5	5	CENTRAL ITALY
	17	14 40 04 8	38.042	N	14.180	E	10	G			0.9	12	SICILY
	17	14 44 30.4?	18.25	N	76.61	W	10	G			1.2	5	JAMAICA REGION. MD 2.2 (HOJ). Felt in the Kingston area.
	17	14 55 53.9?	38.43	N	142.09	E	103	?	4.6		0.6	9	NEAR EAST COAST OF HONSHU, JAPAN
	17	14 56 58.8?	22.69	S	68.23	W	120	G			1.7	5	NORTHERN CHILE
	17	15 15 52 5&	61.613	N	146 656	W	24					38	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	17	15 41 48.3&	36 832	N	121.583	W	6					21	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	17	17 44 29.5	45.465	N	151.218	E	33	N	5.0		1.1	101	KURIL ISLANDS
	17	17 53 52.2&	34.056	N	117.248	W	13					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt.
	17	18 11 45.9?	29.79	S	69.77	W	130	G			1.2	7	CHILE-ARGENTINA BORDER REGION
a	17	18 24 51.5	58.634	S	26.177	W	110	D	5.4		1.2	75	SOUTH SANDWICH ISLANDS REGION. Mw 5.6 (HRV).
	17	19 08 52.7&	62.001	N	149.542	W	45		3.9			81	CENTRAL ALASKA. <AEIC>. ML 3.9 (PMR), 3.6 (AEIC).
	17	19 13 10 3%	33.895	S	70.505	W	10	G			0.9	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	17	20 18 59 9%	43.583	N	12.249	E	10	G			0.9	9	CENTRAL ITALY
	17	20 36 00.7&	62.629	N	148.815	W	56					52	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
	17	20 38 52 2&	61.291	N	150.532	W	57					55	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
	17	22 15 18.9*	11 829	N	123.860	E	33	N	4.3		1.0	6	CEBU, PHILIPPINE ISLANDS
	17	22 32 20.6%	38.037	N	14.138	E	10	G			0.7	5	SICILY
	18	00 43 48.0*	31.726	S	68.060	W	126	*			0 8	18	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
	18	00 48 31.8?	37.65	N	23.52	E	28	*			1.5	7	SOUTHERN GREECE. MD 3.0 (ATH).
a	18	01 18 06.3	18.414	N	145.734	E	151	G	5.6		1.2	308	MARIANA ISLANDS. Mw 6.4 (GS), 6.2 (HRV). mb 6.1 (BRK). Felt (IV) on Soipan and (II) on Guam. Depth from

															broadband displacement seismograms.
	18	01	56	07	6?	39.33	N	16.98	E	10	G			0.7	5 SOUTHERN ITALY
	18	02	37	57	5•	7.012	S	154.506	E	121	•	4.3		0.9	18 SOLOMON ISLANDS
	18	03	20	04	8&	40.464	N	124.497	W	17					4 NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM).
	18	04	10	28	8•	36.491	N	10.078	W	33	N			0.7	20 NORTH ATLANTIC OCEAN. mbLg 3.2 (MDD).
	18	04	38	08	2•	43.498	N	11.229	E	10	G			0.5	6 CENTRAL ITALY. MD 2.5 (FIR)
	18	04	58	32	8%	46.999	N	5.735	E	10	G			1.1	10 FRANCE. ML 2.2 (LDG).
	18	05	24	22	8%	17.274	N	100.547	W	10	G			1.3	5 GUERRERO, MEXICO
	18	05	41	22	5?	13.40	N	144.13	E	33	N	4.2		1.7	8 MARIANA ISLANDS. Felt (III) on Guam.
	18	06	31	11	0%	32.901	S	68.138	W	33	N			1.5	5 MENDOZA PROVINCE, ARGENTINA
	18	08	00	05	6?	32.32	S	71.81	W	10	G			0.5	8 NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	18	08	11	49	2?	18.07	N	76.75	W	10	G			0.0	4 JAMAICA REGION. MD 2.4 (HOJ). Felt (III) at Mona.
	18	08	52	41	3•	41.896	N	20.403	E	10	G			0.7	5 ALBANIA
	18	09	13	57	3?	10.45	N	62.23	W	10	G			1.1	8 NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
	18	09	24	07	7%	37.174	N	1.700	W	10	G			0.6	7 SPAIN. mbLg 3.0 (MDD).
	18	09	30	33	5&	34.613	N	116.634	W	5					14 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.2 (GS).
	18	10	13	30	5	38.814	N	25.667	E	10	G			0.7	25 AEGEAN SEA. MD 3.6 (ATH).
	18	10	46	43	0%	31.933	S	117.293	E	10	G			1.1	6 WESTERN AUSTRALIA
	18	11	47	22	2&	60.555	N	140.717	W	3					65 SOUTHEASTERN ALASKA. <AEIC>. ML 4.3 (PMR), 4.3 (PGC), 4.2 (AEIC).
	18	11	55	33	6&	34.611	N	116.636	W	9					14 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS), 3.3 (GS).
	18	12	24	20	7•	22.993	S	176.115	W	87	•	4.7		1.0	29 SOUTH OF FIJI ISLANDS
a	18	12	42	07	8	30.837	N	90.373	E	33	N	5.7	5.7	1.3	355 XIZANG. Mw 5.9 (HRV). Ms 5.6 (BRK). Felt at Lhasa.
	18	12	46	56	6?	18.18	N	76.70	W	10	G			0.8	6 JAMAICA REGION. MD 2.4 (HOJ). Felt (II) at Portland.
	18	13	02	02	2?	40.60	N	22.99	E	10	G			0.4	4 GREECE
	18	13	16	14	1	41 264	N	22.741	E	10	G			0.3	6 NORTHWESTERN BALKAN REGION. ML 1.0 (SKO).
	18	13	28	06	6	30.817	N	90.439	E	33	N	4.2		1.3	20 XIZANG
	18	14	42	00	3•	5.839	N	71.676	W	33	N			1.1	8 COLOMBIA
	18	14	49	43	7	30.865	N	90.450	E	33	N	4.5		1 4	27 XIZANG
	18	14	59	41	5&	33.200	N	115.596	W	4					7 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt.
	18	15	35	32	0?	31.16	N	89.81	E	33	N	4.0		0.6	7 XIZANG
	18	15	39	33	9	5.172	S	153.884	E	68	D	5.4		0.9	34 NEW IRELAND REGION, P.N.G.
	18	16	29	59	2&	36.175	N	118.034	W	0					11 CENTRAL CALIFORNIA <PAS-P>. ML 2.9 (PAS), 2.7 (GS).
	18	18	05	37	3•	41.618	N	19.806	E	10	G			0.2	5 ALBANIA. ML 2.3 (TIR).
	18	18	08	00	8%	33.738	S	71.202	W	55	?			0.3	10 NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	18	18	45	24	4	42.580	N	19.492	E	10	G			0.9	10 NORTHWESTERN BALKAN REGION. MD 2.2 (TTG).
	18	19	08	37	2	42.594	N	19.479	E	10	G			1.3	10 NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	18	19	19	08	3	41.584	N	19.613	E	10	G	4.2		1.1	110 ALBANIA. ML 4.0 (TIR), 4.0 (ROM). MD 3.6 (TTG).
	18	19	25	28	9	41.546	N	19.701	E	10	G			1.1	29 ALBANIA. MD 3.3 (ATH). ML 3.0 (TIR), 3.0 (TTG).
	18	19	27	10	0	41.655	N	19.846	E	10	G			0.9	16 ALBANIA. ML 2.8 (TTG), 2.4 (TIR).
	18	19	55	44	6•	41.591	N	19.826	E	10	G			0.4	5 ALBANIA. ML 2.2 (TIR).
	18	19	56	05	2	11 843	N	124.300	E	31	D	4.7	4.2	1.3	30 LEYTE, PHILIPPINE ISLANDS
	18	20	54	39	8&	61.491	N	148.833	W	41					49 SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
	18	21	06	27	5•	32.735	S	71.801	W	10	G			1.3	13 NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	18	21	20	26	5?	17 64	N	60.75	W	33	N			0.6	6 LEEWARD ISLANDS. MD 3.4 (TRN).
	18	23	13	42	0•	18 705	S	169.260	E	250		4.6		1.0	18 VANUATU ISLANDS
	18	23	27	10	7&	38 855	N	122.777	W	3					37 NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK), 3.6 (GS). Felt (IV) at Cobb and (III) at Cloverdale, Finley, Kelseyville and Middletown.
	18	23	28	51	5%	43.071	N	18.753	E	10	G			0.4	9 NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	18	23	31	20	4•	40 711	N	27.445	E	10	G			1.0	14 TURKEY
	18	23	45	00	2&	61.521	N	151.221	W	5					43 SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	19	00	15	01	7&	59 693	N	151.812	W	61					42 KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	19	00	24	29	3&	38 848	N	122.782	W	3					34 NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK), 3.4 (GS). Felt at Kelseyville.
	19	00	53	48	3?	11.37	N	87.72	W	33	N	4.2		1 0	11 NEAR COAST OF NICARAGUA
	19	01	00	03	7%	37 922	N	14.127	E	10	G			1.2	7 SICILY
	19	01	01	16	8?	50.62	N	18.90	E	10	G			0 6	5 POLAND. ML 3.0 (WAR).
	19	02	10	49	2?	39.18	N	54.74	E	33	N	3.7		0.6	4 TURKMENISTAN. Felt at Nebit-Dag.
	19	02	29	45	1	32 654	N	71.712	E	73	•	4.6		1.1	19 PAKISTAN
	19	03	08	21	1%	31 581	S	67.982	W	115	?			0.5	9 SAN JUAN PROVINCE, ARGENTINA
	19	04	03	44	4	42.926	N	143.953	E	100	D	4.7		1.1	82 HOKKAIDO, JAPAN REGION
	19	04	15	38	1%	43.668	N	12.242	E	10	G			0.3	5 CENTRAL ITALY
	19	04	32	32	3?	15.75	S	172.85	W	33	N	4.6		1.1	28 SAMOA ISLANDS REGION
	19	04	55	19	6	19 591	N	64.570	W	33	N	4.4		1.3	19 VIRGIN ISLANDS
	19	04	55	39	9?	2.51	N	125.38	E	33	N	4.8		0.3	10 TALAUD ISLANDS, INDONESIA
	19	05	08	49	4	44.261	N	7.179	E	12				0 6	18 NORTHERN ITALY. ML 2 2 (LDG), 2 0 (GEN)
	19	05	23	55	9?	41.79	N	20.12	E	10	G			1.3	4 ALBANIA. ML 2.3 (TIR).
	19	05	31	03	0%	46.194	N	2.936	E	10	G			1.0	13 FRANCE. ML 2.7 (LDG).
	19	06	14	53	7•	19.652	N	64.462	W	33	N	3.7		0.3	8 VIRGIN ISLANDS
	19	07	56	37	7	19.254	N	145.428	E	160	•	4.5		0.7	43 MARIANA ISLANDS
	19	08	18	17	7%	42.320	N	18.910	E	5	G			0.3	9 NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
	19	08	24	24	0	23.983	S	66.759	W	212		4.4		1.2	30 JUJUY PROVINCE, ARGENTINA
a	19	09	05	01	8•	45.118	S	34.996	E	10	G	5.4	5.5	1.4	54 PRINCE EDWARD ISLANDS REGION. Mw 5.9 (HRV).
	19	09	07	44	2	36.961	N	141.757	E	24	D	5.1	4.6	1.4	35 NEAR EAST COAST OF HONSHU, JAPAN
	19	09	28	25	9•	22.435	S	66.405	W	236	?			0.7	7 JUJUY PROVINCE, ARGENTINA
	19	09	40	17	3%	44.271	N	7.440	E	5	G			0.5	7 NORTHERN ITALY. ML 1.8 (GEN).
	19	11	08	21	1	4.260	S	152.404	E	123	D	4.9		0.8	96 NEW BRITAIN REGION, P.N.G.
	19	11	17	56	1•	19.661	S	70.983	W	33	N	4.8		1.4	10 NEAR COAST OF NORTHERN CHILE
	19	11	27	43	2•	19.667	S	70.934	W	59	•	4.0		1.3	8 NEAR COAST OF NORTHERN CHILE
	19	11	48	15	5?	40.94	N	24.19	E	10	G			1.0	4 AEGEAN SEA
	19	12	23	55	6&	62.552	N	151.220	W	93		2.4			51 CENTRAL ALASKA. <AEIC>.
	19	12	30	53	8	4.741	S	152.587	E	75		4.6		0.9	30 NEW BRITAIN REGION, P.N.G.
	19	13	52	04	1%	41.318	N	24.294	E	10	G			0.8	7 GREECE-BULGARIA BORDER REGION
	19	14	26	03	3%	26.357	S	27.719	E	5	G			0.7	10 REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
f	19	14	39	26	1	38.649	N	133.465	E	448	G	6.0		0.9	657 SEA OF JAPAN. Mw 6.6 (GS), 6.5 (HRV). mb 6.2 (BRK). Depth from broadband displacement seismograms.
	19	15	17	16	9	2.077	S	125.196	E	35	D	5.6		1.1	134 CERAM SEA
	19	15	43	02	8?	8.66	S	124.28	E	89	?	3.9		1.2	12 TIMOR REGION, INDONESIA
	19	15	56	05	9	40.080	N	21.331	E	10	G			0.9	31 GREECE. MD 3.4 (ATH). ML 3.3 (TIR).
	19	18	22	25	9?	37.95	N	49.41	E	34	•	4.0		1.5	15 CASPIAN SEA
	19	18	47	01	0•	43.968	N	28.974	W	10	G	4.5	4.0	0.6	22 NORTHERN MID-ATLANTIC RIDGE
	19	18	51	19	2?	14.09	S	170.66	E	500	G	4.7		1.1	27 VANUATU ISLANDS REGION

	19	19	28	39.5?	35.19	S	71.39	W	100	G			0.3	10	CENTRAL CHILE. MD 3.8 (SAN).
	19	20	16	19.9*	51 587	N	6.782	E	10	G			0.7	6	GERMANY. MD 2.5 (UCC).
	19	20	21	03.9	41.940	N	20.137	E	10	G			0.5	36	ALBANIA. ML 3.1 (TTG), 2.9 (TIR).
a	19	21	14	49.9	18.123	S	178.066	W	593	D	5.2		1.0	239	FIJI ISLANDS REGION. Mw 5.4 (HRV).
	19	22	49	46.9?	31.86	S	178.66	W	33	N	4.9		1.1	11	KERMADEC ISLANDS REGION
a	19	23	06	10.2	1.221	N	126.072	E	27	*	5.8	5.4	1.1	267	NORTHERN MOLUCCA SEA. Mw 5.9 (HRV). Felt (IV) at Manado, Sulawesi.
	19	23	10	13.6%	33.744	S	71 314	W	49	?			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	19	23	23	33.9	23.876	S	179.979	E	546	?	5.0		1.0	28	SOUTH OF FIJI ISLANDS
	19	23	33	02.3	46.889	N	8.966	E	10	G			1.1	17	SWITZERLAND. ML 2.6 (VIE), 2.5 (LDG).
	19	23	48	42.3%	36.638	N	2.647	W	5	G			0.4	6	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
	20	00	29	29.9?	11.54	S	117 39	E	33	N	4.6		1.2	9	SOUTH OF SUMBAWA, INDONESIA
	20	02	03	06.4	31.366	S	69 389	W	131	*			0 7	16	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
	20	02	17	27 8*	32.115	S	177.862	W	33	N	5.1		1.6	19	SOUTH OF KERMADEC ISLANDS
o	20	02	30	54.7	3.144	N	97.633	E	68	G	6.2	5.7	1.1	659	NORTHERN SUMATERA, INDONESIA. Mw 6.2 (GS), 6.1 (HRV). Ms 6.0 (BRk). Felt at Medan. Depth from broadband displacement seismograms.
o	20	03	03	38.7*	32.263	S	178.178	W	17	D	5.3	5.5	1.4	23	SOUTH OF KERMADEC ISLANDS. Mw 5.9 (HRV).
	20	03	34	11.2%	44.850	N	2.937	E	10	G			0.8	8	FRANCE. ML 2.5 (LDG).
	20	04	00	58.4	38.076	N	26.998	E	10				0.7	27	AEGEAN SEA. ML 4.1 (ISK). MD 3.9 (ATH). Felt at Izmir, Turkey.
a	20	04	08	26.5	8.318	S	121.377	E	33	N	5.8	5.3	1.3	156	FLORES REGION, INDONESIA. Mw 5.8 (HRV).
	20	04	34	52.5	8.327	S	121.334	E	23	D	5.2		1.2	61	FLORES REGION, INDONESIA
	20	04	42	05.7*	8.330	S	121.412	E	33	N	5.0		1.4	13	FLORES REGION, INDONESIA
	20	05	03	41.5	45.605	N	15.325	E	10	G			1.2	30	NORTHWESTERN BALKAN REGION. MD 3.4 (LJU), 3.0 (TRI). ML 3.1 (VIE). Felt at Gradac, Metlika and Novo Mesto, Slovenia.
	20	05	07	31.1%	44.439	N	7.321	E	10	G			0.5	7	NORTHERN ITALY. ML 1.7 (GEN).
	20	05	21	42.6	51.101	N	178.867	E	33	N	4.3		1.0	25	RAT ISLANDS, ALEUTIAN ISLANDS
	20	05	40	22.3*	43.682	N	16.850	E	10	G			1.3	12	NORTHWESTERN BALKAN REGION. ML 2.5 (LJU).
	20	05	51	11.6	8.279	S	121.462	E	33	N	4.8		1.4	37	FLORES REGION, INDONESIA
	20	07	09	39.1?	23.95	N	122.43	E	10	G	4.0		1.7	7	TAIWAN REGION
	20	07	26	25.7	40.949	N	19.608	E	10	G	3.7		1.1	40	ALBANIA. MD 3.5 (ATH). ML 3.3 (TTG), 3.1 (TIR).
	20	07	27	58.7?	31.64	S	178.93	W	33	N	4.7		1.6	18	KERMADEC ISLANDS REGION
	20	08	04	44.6*	45.646	N	146.730	E	33	N	4.3		1.2	15	KURIL ISLANDS
	20	08	41	30.4?	39.96	N	23 99	E	10	G			0.7	4	AEGEAN SEA
	20	09	45	48.8%	31.476	S	68.013	W	31	*			1.7	8	SAN JUAN PROVINCE, ARGENTINA
	20	09	46	02.2	26.703	N	44.520	W	10	G	4.8	4.4	0.8	40	NORTHERN MID-ATLANTIC RIDGE
	20	10	28	10.0*	26.636	N	44.602	W	10	G	4.4		1.2	9	NORTHERN MID-ATLANTIC RIDGE
	20	11	21	19.3	26.686	N	44.535	W	10	G	4.8		1.1	26	NORTHERN MID-ATLANTIC RIDGE
	20	11	31	20.2%	41.884	N	20.181	E	10	G			0.8	10	ALBANIA ML 2.3 (TTG).
	20	12	34	00.5%	44.513	N	7.243	E	10	G			0.1	6	NORTHERN ITALY ML 1.8 (GEN).
	20	13	18	09.7&	40.510	N	125.503	W	17		3.3			20	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK), 3.7 (GS).
	20	14	47	38.7	7.934	S	74.467	W	147	D	5.0		0.8	131	PERU-BRAZIL BORDER REGION. Felt at Lima, Oxapampa, Satipo and Pucallpa, Peru.
o	20	14	49	12.3	38.541	N	29.276	W	10	G	5.0	4.6	0.9	174	AZORES ISLANDS Mw 5.4 (HRV). Felt (VI) on Faial, (IV) on Pico and (III) on Sao Jorge, Graciosa and Terceira.
	20	15	14	48.7%	26.860	S	26.682	E	5	G			1.1	7	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	20	15	33	21.3%	31.640	S	117.158	E	33	N	3.9		1.7	9	WESTERN AUSTRALIA
	20	17	13	56.7%	26.375	S	27.488	E	5	G			0.9	11	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
f	20	17	31	15.5	7.205	S	128.566	E	33	N	6.2	6.2	1.2	256	BANDA SEA. Mw 6.4 (GS), 6.4 (HRV). Ms 6.1 (BRK). Mo=2.0*10**19 Nm (PPT). Complex event observed on broadband displacement seismograms.
	20	17	32	21 9&	34.132	N	116.391	W	2					4	SOUTHERN CALIFORNIA. <PAS-P> ML 2 8 (PAS).
	20	18	34	21.1%	44 484	N	7.379	E	5	G			0.6	5	NORTHERN ITALY ML 1.7 (GEN)
	20	19	10	11.0*	19.764	N	64.704	W	33	N	4.1		0.4	8	VIRGIN ISLANDS
	20	20	23	47.9?	26.74	N	45.16	W	10	G	4.2		1.6	8	NORTHERN MID-ATLANTIC RIDGE
	20	20	44	57.1%	39.888	N	24.199	E	10	G			0.1	6	AEGEAN SEA
	20	22	39	35 8	16.102	N	93.910	W	83	D	4.8		1.0	85	CHIAPAS, MEXICO
	20	23	41	28.0?	42.31	N	23.93	E	10	G			0.4	7	BULGARIA
	21	01	15	33.3	12.620	N	40 607	E	10	G	4 9		0.6	13	ETHIOPIA. MD 4.9 (ARO).
	21	02	31	34.9*	53.112	S	72 580	E	10	G	4 8		0.9	13	KERGUELEN ISLANDS REGION
	21	02	36	13.7?	14.77	N	60.81	W	33	N			0.1	4	WINDWARD ISLANDS. ML 2.1 (FDF).
	21	03	07	57.5%	26.432	S	27.439	E	5	G			0.9	6	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	21	03	37	24.5%	44.108	N	11.143	E	10	G			0.7	6	NORTHERN ITALY
	21	05	00	15.5	31.100	S	67.508	W	120	*			0.9	19	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
	21	05	04	13.6%	44.038	N	8.117	E	10	G			0.3	5	NORTHERN ITALY. ML 2.0 (GEN).
	21	05	09	30.2?	19.40	N	66.09	W	31				0.3	8	PUERTO RICO REGION
	21	06	24	47.0?	10.81	N	61.23	W	5	G			0.2	4	TRINIDAD. MD 3.1 (TRN).
	21	06	31	53.9*	24.329	S	67.238	W	194	*			0.9	10	CHILE-ARGENTINA BORDER REGION
	21	07	09	11.6*	8.970	S	124.043	E	58	?	4.9		1.3	27	TIMOR REGION, INDONESIA
	21	07	26	07.1*	51.165	N	15.864	E	10	G			0.8	7	POLAND. MG 2.9 (WAR).
	21	07	35	52.9&	58.112	N	142.738	W	10	G	3.5			46	GULF OF ALASKA. <AEIC>. ML 3.7 (PGC), 3.3 (AEIC).
	21	07	48	55.4?	18.22	N	67.11	W	33	N			0.8	6	MONA PASSAGE
	21	08	09	05.4?	35.95	S	70.67	W	140	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	21	08	12	53.9	42.937	N	19.780	E	10	G			1.0	14	NORTHWESTERN BALKAN REGION. ML 2.9 (TIR), 2.5 (TTG).
	21	08	41	48.3%	42.929	N	19.833	E	10	G			0.3	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	21	09	01	20.4&	39.712	N	110.622	W	1		3.4			25	UTAH. <SLC-P>. ML 3.6 (GS). Coal bump in the Soldier Creek Mine near Price. Some damage in the mine. Felt at Helper.
	21	09	11	30.8%	39.166	N	27.649	E	10	G			0.8	6	TURKEY. MD 2.7 (ISK).
	21	09	15	16.9&	50.611	N	130.081	W	10	G	4.2			117	VANCOUVER ISLAND REGION. <PGC-P>. ML 4.2 (PGC).
	21	09	18	21.0%	39.123	N	27.541	E	10	G			0.8	5	TURKEY. MD 2.8 (ISK).
	21	09	33	58.1?	32.39	S	72 02	W	10	G			0.3	9	OFF COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	21	09	49	20.5?	32.54	S	71.99	W	10	G			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	21	10	07	19.1?	33.85	S	71.92	W	40	G			0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	21	10	17	18.1	45.464	N	7.645	E	10	G			0.8	15	NORTHERN ITALY. ML 2.4 (GEN), 2.4 (LDG).
	21	10	41	13.5?	7.63	S	128.56	E	33	N	4.3		1.0	5	BANDA SEA
	21	10	47	56.6%	10.546	N	61.968	W	10	G			0.6	6	TRINIDAD. MD 3.5 (TRN).
	21	10	53	10 5%	33.789	S	70.164	W	10	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	21	10	57	04.1*	30.769	S	72 246	W	33	N			0.9	15	OFF COAST OF CENTRAL CHILE
	21	11	43	51.9%	39.128	N	27.581	E	10	G			0.4	5	TURKEY. MD 2.8 (ISK).

	21	12	09	44	9%	33.894	S	70.503	W	100	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	21	12	20	26.2&	59	814	N	153	436	W	114				48	SOUTHERN ALASKA. <AEIC>.
	21	12	34	36.9		41.644	N	22	315	E	10	G		0.7	7	NORTHWESTERN BALKAN REGION. ML 2.5 (SKO)
	21	13	01	35.0		40.334	N	27.409	E		12			0 6	15	TURKEY
	21	13	37	30.4?		10.32	S	119.47	E		33	N	4.0	1.4	7	SUMBA REGION, INDONESIA
a	21	13	43	15.2		78.873	N	125.638	E		29	D	5.1 5.0	0.8	184	EAST OF SEVERNAYA ZEMLYA, RUSSIA. Mw 5.5 (HRV).
	21	13	49	45.2%	41	380	N	24.296	E		10	G		0.6	5	GREECE-BULGARIA BORDER REGION
	21	13	58	07	3	15.650	N	120.936	E		210	*	4.5	0.7	36	LUZON, PHILIPPINE ISLANDS
	21	14	15	27.5		36.617	N	71.298	E		93	D	5.2	0.9	169	AFGHANISTAN-TAJIKISTAN BORD REG. Felt at Islamabad, Peshawar and Rawalpindi, Pakistan.
	21	14	23	02.4		8.418	S	121.299	E		33	N	5.1 4.7	1.3	26	FLORES REGION, INDONESIA
	21	15	01	06	8*	45.608	N	26.585	E		156	*	3.9	1 0	14	ROMANIA
	21	16	04	27.1&		33.755	N	116.130	W		2				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	21	16	13	22	7	41.742	N	23.833	E		10	G		1 0	13	GREECE-BULGARIA BORDER REGION
	21	18	30	47	5*	53.163	S	72.682	E		10	G	5.1	1.0	16	KERGUELEN ISLANDS REGION
	21	18	47	18.9		31.824	S	68.402	W		124		4.1	0 7	19	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
	21	19	46	19.3&		36.222	N	89.617	W		14				27	NEW MADRID, MISSOURI REGION. <TEIC> MD 3.0 (TEIC), 3.0 (SLM). mbLg 3.0 (GS). Felt (III) at Ridgely and Newbern, Tennessee. Also felt at Mistan and Wynnburg, Tennessee. Felt (III) at Braggadocia and Caruthersville, Missouri.
	21	20	11	52.6		38.851	N	142.791	E		10	G	3.5	1.2	12	NEAR EAST COAST OF HONSHU, JAPAN
	21	20	13	23.3?		53.16	S	73.07	E		10	G	5.1	1.4	14	KERGUELEN ISLANDS REGION
	21	21	05	46.3		38.799	N	69.055	E		63	*	4.5	1 2	29	TAJIKISTAN
	21	21	08	45.5?		48.89	N	149.63	E		399	?	4.1	0.8	16	NORTHWEST OF KURIL ISLANDS
	21	21	21	06.8%	18	077	N	76.657	W		18	*		0.2	7	JAMAICA REGION. MD 3.7 (HOJ). Felt at Mona.
	21	22	32	56.1?		30.72	S	70.28	W		183	?		0.4	14	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
	21	23	24	20	3	34.563	N	26.703	E		38	*	4.1	1.3	40	CRETE. MD 4.1 (ATH).
	21	23	36	10.7%	40	585	N	23.084	E		10	G		1.4	8	GREECE
	22	00	03	15	9%	39.464	N	16.705	E		10	G		0.7	6	SOUTHERN ITALY
	22	00	23	55	7	40.513	N	24.418	E		10	G		0.7	16	AEGEAN SEA. MD 3.6 (ISK).
	22	00	42	53	0	40.538	N	24.310	E		10	G		0.7	9	AEGEAN SEA
	22	00	53	56	9%	40.548	N	24.271	E		10	G		0 2	6	AEGEAN SEA
	22	01	32	38	2&	61.729	N	151.324	W		74				62	SOUTHERN ALASKA. <AEIC>.
	22	01	35	31.5		37.962	N	27.644	E		10	G		0 8	10	TURKEY. MD 3.6 (ISK).
	22	01	49	22.4?		39.45	N	28.77	E		10	G		0 9	5	TURKEY. MD 2.8 (ISK).
	22	02	12	05	7	8.329	S	121.371	E		20	D	4.9 4.5	1 2	44	FLORES REGION, INDONESIA
	22	02	15	51	4%	38.913	N	15.517	E		33	N		0 8	6	SICILY
	22	03	05	12	3?	19.26	S	68.41	W		33	N		1 3	6	CHILE-BOLIVIA BORDER REGION
	22	03	07	26.4		39.456	N	20.437	E		29		4.2	1 2	87	GREECE-ALBANIA BORDER REGION. ML 4.1 (TIR), 3.9 (ATH), 3.7 (TTG).
	22	03	14	30.4&	60	549	N	151.775	W		75				39	KENAI PENINSULA, ALASKA. <AEIC>.
	22	05	55	19	0%	40.719	N	30 005	E		10	G		0 5	5	TURKEY. MD 3.0 (ISK).
	22	06	02	32.7*	49	212	N	112.403	W		5	G		1.4	6	ALBERTA, CANADA. MD 3.4 (BUT).
	22	06	37	53.1*	16	521	N	98.361	W		100	*	4 2	1 3	8	NEAR COAST OF GUERRERO, MEXICO
	22	07	20	39	0%	28.027	S	26 840	E		5	G		0 3	7	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	22	07	47	36	6?	37.21	S	178.58	E		158	?		1 1	15	OFF E. COAST OF N. ISLAND, N.Z.
	22	07	48	43.4*	46	051	N	153.555	E		33	N	4 5	1 1	27	KURIL ISLANDS
	22	08	42	51.7%	39	393	N	26.831	E		10	G		0.5	8	TURKEY. MD 3.3 (ISK).
	22	08	51	10	8?	33.28	S	72.09	W		33	N		0.5	11	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	22	08	58	42	4&	33 832	N	115.948	W		10				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	22	09	07	46.3%	39	147	N	27.567	E		10	G		0.4	6	TURKEY. MD 2.6 (ISK).
	22	09	11	22.2?		33.30	S	72.02	W		33	N		0.6	9	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	22	09	22	21	0%	39.112	N	27.664	E		10	G		0 6	5	TURKEY. MD 2.6 (ISK).
	22	09	22	45	4%	40.534	N	23.483	E		10	G		0 9	5	GREECE
a	22	10	03	46.9		7 075	S	128.666	E		33	N	5.4	1 0	101	BANDA SEA. Mw 5.3 (HRV).
	22	10	26	30	3*	24.430	S	66.797	W		257	*		1.2	8	SALTA PROVINCE, ARGENTINA
	22	10	36	34	0&	57.818	N	143.102	W		10	G			79	GULF OF ALASKA. <AEIC>. ML 4.4 (PGC), 4.1 (AEIC).
	22	10	49	14.8*	33	318	S	72.036	W		14			0.9	17	OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN).
	22	10	56	23	6%	38.974	N	27.921	E		10	G		0.3	5	TURKEY. MD 2.6 (ISK).
	22	10	59	01	6*	33.301	S	71.819	W		21			0.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	22	12	54	25	6%	28 066	S	26.880	E		5	G		0.5	7	REPUBLIC OF SOUTH AFRICA ML 2.7 (PRE).
	22	13	38	35.6?		26.86	S	26.95	E		5	G		0.2	4	REPUBLIC OF SOUTH AFRICA
	22	13	48	41.0?		7.42	S	128.28	E		71	?	4.9	1.2	11	BANDA SEA
	22	15	42	49.1		8.225	S	122.348	E		33	N	4.5	1.0	17	FLORES REGION, INDONESIA
	22	17	48	36	6*	56.000	S	23.593	W		33	N	5.1	0.9	20	SOUTH SANDWICH ISLANDS REGION
	22	18	08	28.6?		40 16	N	21.00	E		10	G		0.5	5	GREECE
	22	18	47	38.2*	50	496	N	6.771	E		10	G		0.5	6	GERMANY mbLg 3 0 (UCC).
	22	18	47	50.8?		37.04	N	16.4B	E		33	N		0.7	8	IONIAN SEA
	22	18	55	27.3*	37	115	N	22.062	E		10	G	3.9	1.3	24	SOUTHERN GREECE. ML 3.5 (ATH).
	22	20	00	09.0&	60	94B	N	146.992	W		26				42	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	22	20	23	29.8		0.503	S	121.887	E		33	N	4.9	0.9	28	MINAHASSA PENINSULA, SULAWESI
	22	20	50	03.3&	59	998	N	152.219	W		83				50	SOUTHERN ALASKA. <AEIC>.
	22	21	27	32.9&	59	812	N	153.423	W		131				43	SOUTHERN ALASKA <AEIC>.
	22	21	53	33.1&	58	985	N	154.287	W		116				11	ALASKA PENINSULA. <AEIC>.
	22	23	18	49.6%	43	557	N	12.156	E		5	G		0.4	7	CENTRAL ITALY
	23	00	01	25.7&	60	232	N	152.222	W		85				77	SOUTHERN ALASKA. <AEIC>.
	23	00	20	12.4		39.315	N	24.880	E		15			0.7	33	AEGEAN SEA. ML 3.6 (ATH). MD 3.7 (ISK).
	23	01	15	49.6?		14.22	S	167.69	E		33	N	4.5	1.2	7	VANUATU ISLANDS
	23	01	22	12.3		31.165	S	69.323	W		133	*		0.8	18	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
	23	01	30	11.0?		33.86	S	72.12	W		10	G		0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	23	02	37	15.8		40.432	N	23.692	E		10	G		0.8	9	GREECE
	23	02	47	09.9%	39	464	N	27.881	E		10	G		0.8	5	TURKEY. MD 2.8 (ISK).
	23	03	03	28.0&	60	059	N	151.543	W		60				43	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
	23	03	17	54.9		36.709	N	5.350	W		10	G		1.0	8	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
	23	03	26	57.2?		5.36	N	71.20	W		33	N		0.6	4	COLOMBIA
	23	03	52	59	8*	45.555	N	15.895	E		10	G		0.4	8	NORTHWESTERN BALKAN REGION. MD 2.9 (LJU), 2.5 (TRI). ML 2.5 (VIE). Felt (III) at Gara, Croatia.
	23	04	02	20.0?		37.40	N	13.46	E		33	N		0.1	4	SICILY
	23	04	09	59	5%	43.139	N	13.210	E		10	G		1 2	5	CENTRAL ITALY
	23	04	11	09.8*	23	092	S	179.301	W		555	?	4 5	0.8	17	SOUTH OF FIJI ISLANDS
	23	04	13	13.1&	62	222	N	150.195	W		57				80	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.1 (PMR).
	23	04	30	30.6		20.072	S	169.738	E		283		4.9	1.1	65	VANUATU ISLANDS

	23	04	54	00.7%	26.888	S	26.729	E	5	G		0.4	6	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE)
	23	04	57	55.2?	27.81	S	68.86	W	203	?		0.5	8	CHILE-ARGENTINA BORDER REGION
	23	05	44	32.4?	18.90	N	67.14	W	30	•		0.3	7	MONA PASSAGE
	23	05	53	23.9	5.274	S	150.674	E	201	•	4.9	1.0	35	NEW BRITAIN REGION, P.N.G.
	23	06	01	18.2?	5 80	N	77.61	W	33	N	4.2	0.7	4	NEAR WEST COAST OF COLOMBIA
a	23	08	59	25.0	24.114	N	121.709	E	29	D	5.4 5.4	1.1	237	TAIWAN. Mw 5.7 (HRV). ML 5.3 (BJI).
	23	09	21	33.1?	38.04	N	22.80	E	10	G		1.3	4	GREECE. ML 3.1 (ATH).
	23	09	28	16.6?	39.73	N	20.95	E	10	G		0.9	5	GREECE-ALBANIA BORDER REGION
	23	09	31	35.6?	17.10	N	100.52	W	33	N		1.5	5	GUERRERO, MEXICO
	23	09	39	28.9	25.790	N	95.662	E	109		4.5	1.0	80	MYANMAR-INDIA BORDER REGION
	23	09	44	38.3?	10.40	N	61.37	W	33	N		0.2	4	TRINIDAD. MD 2.2 (TRN).
	23	10	02	44.5%	18.112	N	76.760	W	10	G		0.5	5	JAMAICA REGION. MD 3.5 (HOJ). Felt (IV) at Kingston and Portland.
	23	10	20	53.8?	39.12	N	27.63	E	10	G		0.5	4	TURKEY. MD 2.7 (ISK).
	23	10	38	09.9	32.988	N	47.411	E	33	N	4.7	1.1	81	IRAN-IRAQ BORDER REGION. Same minor damage to houses in the Abdanan-Dehloran area, Iran.
	23	11	03	08.7	39.479	N	26.413	E	10	G		0.7	7	TURKEY. MD 3.2 (ISK).
	23	11	18	46.8	39.728	N	110.588	W	1	G		0.7	13	UTAH. ML 3.0 (GS).
	23	11	43	38.0?	34.05	S	72.22	W	10	G		0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	23	12	02	03.6?	38 60	N	22.81	E	10	G		1.2	6	GREECE
	23	12	21	39.7?	39.00	N	27.91	E	10	G		1.5	4	TURKEY. MD 2.8 (ISK).
	23	12	31	33.2•	5.141	N	77.615	W	49	•	4.7	1.4	19	NEAR WEST COAST OF COLOMBIA. MD 4.4 (UPA).
	23	13	15	10.2?	5.54	N	71.69	W	227	?	3.7	1.3	5	COLOMBIA
	23	13	59	15.1%	43.538	N	12.212	E	10	G		0.6	6	CENTRAL ITALY
	23	14	05	13.7?	57.44	S	141.33	W	10	G	4.6	0.9	10	PACIFIC-ANTARCTIC RIDGE
	23	15	18	58.1•	35.968	N	137.757	E	239		4.4	0.5	13	EASTERN HONSHU, JAPAN
	23	15	32	44.6	40.795	N	28.771	E	8			0.7	23	TURKEY. MD 3.6 (ISK).
	23	15	45	01.3	32.507	S	71 838	W	33	N		0.9	22	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	23	15	56	40.8?	18.15	N	76.64	W	10	G		0.6	4	JAMAICA REGION. MD 2.3 (HOJ). Felt in the Kingston area.
	23	16	51	53.6%	41 205	N	20.127	E	10	G		0.6	5	ALBANIA. ML 3.4 (TIR).
	23	17	23	05.8	19.040	S	169.355	E	246		5.1	0.9	210	VANUATU ISLANDS
	23	17	53	30.9•	44.997	S	167.811	E	121	•	3.2	1.2	19	SOUTH ISLAND, NEW ZEALAND
	23	17	53	54.3•	34.796	N	25.480	E	5	G		1.3	10	CRETE. MD 3.9 (ATH).
a	23	18	22	11.6	54.475	N	161.633	W	23		5.7 5.1	1.0	419	ALASKA PENINSULA. Mw 5.6 (HRV). ML 5.2 (PMR). Ms 5.0 (BRK). Felt (IV) at King Cove and Sand Point.
	23	18	27	40.0?	24.82	S	179.75	E	571	?	4.1	0.7	11	SOUTH OF FIJI ISLANDS
	23	19	02	56.5&	61.249	N	139.947	W	10	G			23	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 2.9 (PGC). 2.6 (AEIC).
	23	19	49	34.0	38.420	S	175.798	E	216			0.6	48	NORTH ISLAND, NEW ZEALAND
	23	21	08	39.9	34.933	N	25.285	E	5	G	3.5	1.1	26	CRETE. ML 4.1 (ATH).
	23	21	13	46.9%	39.753	N	22.992	E	10	G		0.2	6	GREECE
	23	21	34	00.3%	40.302	N	29.509	E	10	G		0.2	8	TURKEY. MD 2.9 (ISK).
	23	21	34	08.4%	18.179	N	65.852	W	10	G		0.4	5	PUERTO RICO REGION
	23	21	55	22.5•	7.450	N	76.697	W	167	?		0.8	6	NORTHERN COLOMBIA. MD 4.1 (UPA).
	23	22	55	16.3	38.227	N	22.798	E	10	G		0.8	14	GREECE. ML 2.9 (ATH).
	23	23	15	55.1%	39.442	N	16.942	E	10	G		1.5	5	SOUTHERN ITALY
	23	23	25	19.8•	29.024	S	69.801	W	33	N		0.9	6	CHILE-ARGENTINA BORDER REGION
	23	23	36	24.4•	64.015	N	148.919	W	33	N		1.4	7	CENTRA_ ALASKA. ML 3.1 (PMR).
	23	23	43	27.9?	51.38	N	16.24	E	10	G		0.8	5	POLAND. MG 2.8 (WAR).
	23	23	48	42.2%	10.327	N	67.013	W	10	G		0.3	6	NEAR COAST OF VENEZUELA
	23	23	53	44.7	42.874	N	12.727	E	11			1.1	14	CENTRAL ITALY
	24	00	19	00.8	45.658	N	15.211	E	10	G		0.9	8	NORTHWESTERN BALKAN REGION. MD 2.6 (LJU), 1.9 (TRI).
	24	00	25	42.6%	10.521	N	61.035	W	33	N		0.9	6	TRINIDAD. MD 3.0 (TRN).
	24	01	11	05.0•	41.136	N	25.778	E	10	G		1.0	6	GREECE-BULGARIA BORDER REGION
	24	03	03	07.3•	53.100	S	72.792	E	10	G	5.1	1.2	25	KERGUELEN ISLANDS REGION
	24	03	09	32.1	4.213	S	143.106	E	131		4.9	0.8	53	NEW GUINEA, PAPUA NEW GUINEA
	24	03	24	23.5?	39.12	N	28.95	E	10	G		1.1	5	TURKEY MD 2.7 (ISK).
	24	03	41	20.4	44.653	N	8.335	E	10	G		0.4	9	NORTHERN ITALY. ML 2.3 (GEN), 2.2 (LDG).
	24	04	08	40.1•	6.111	S	131.494	E	33	N	4.8	0.8	10	TANIMBAR ISLANDS REG., INDONESIA
	24	04	32	53.1%	40.235	N	20.496	E	5	G		1.4	5	GREECE-ALBANIA BORDER REGION
	24	04	36	24.5	38.286	N	26.779	E	10	G		0.6	9	AEGEAN SEA. MD 3.2 (ISK).
	24	05	00	42.8%	38.030	N	14.213	E	5	G		1.2	7	SICILY
	24	05	26	06.5•	19.606	N	64.440	W	33	N	3.9	0.5	13	VIRGIN ISLANDS
	24	05	34	15.5	40.618	N	22.884	E	10	G		0.3	9	GREECE
	24	05	46	20.9•	31.136	S	68.804	W	123	•		0.3	8	SAN JUAN PROVINCE, ARGENTINA
	24	05	57	32.4?	39.63	N	25.32	E	10	G		0.6	5	AEGEAN SEA MD 3.1 (ISK).
	24	06	08	26.8?	19.09	S	173.84	E	33	N	4.7	1.2	11	VANUATU ISLANDS REGION
	24	08	30	12.5%	39.130	N	27.499	E	10	G		0.1	5	TURKEY. MD 2.8 (ISK).
	24	09	04	49.1%	26.875	S	26.561	E	5	G		0.3	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	24	09	21	42.0•	39.001	N	22.838	E	5	G		1.3	10	GREECE
	24	09	53	37.5%	39.147	N	27.536	E	10	G		0.4	6	TURKEY. MD 2.7 (ISK).
	24	10	05	55.4%	39.150	N	27.616	E	10	G		0.4	6	TURKEY. MD 2.9 (ISK).
	24	10	45	40.6%	39.097	N	27.613	E	10	G		0.2	5	TURKEY. MD 2.6 (ISK).
	24	11	10	06.2	32.041	S	71.770	W	82	•		0.8	24	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
	24	11	11	49.3%	38.042	N	14.162	E	10	G		1.1	6	SICILY
	24	11	43	49.0?	40.65	N	27.44	E	10	G		0.1	4	TURKEY. MD 2.8 (ISK).
	24	12	06	00.7	40.671	N	15.727	E	10	G		1.3	10	SOUTHERN ITALY
	24	15	27	36.9?	39.18	N	27.42	E	10	G		0.5	4	TURKEY. MD 2.7 (ISK).
	24	16	09	47.9•	22.705	S	171.071	E	33	N	5.1	1.1	29	LOYALTY ISLANDS REGION
	24	16	43	06.6	2.164	S	27.555	E	10	G	4.5	1.2	25	ZAIRE. mbLg 4.6 (BUL).
	24	17	56	40.5?	38.80	N	22.46	E	10	G		0.7	9	GREECE
	24	19	34	56.6•	45.277	N	6.716	E	10	G		0.9	8	FRANCE. ML 2.3 (LDG).
	24	20	17	26.8?	36.61	N	2.63	W	10	G		0.1	4	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
	24	20	28	12.1	45.612	N	151.407	E	33	N	4.7	0.9	40	KURIL ISLANDS
	24	21	02	18.3•	21.874	N	142.988	E	279	?	4.1	0.6	16	MARIANA ISLANDS REGION
	24	21	09	26.2&	35.636	N	118.455	W	9				27	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.3 (GS). MD 3.5 (GM). Felt (III) at Badfish and Kernville.
a	24	21	30	50.9	45.768	N	142.162	E	306	D	5.0	0.9	261	HOKKAIDO, JAPAN REGION. Mw 5.3 (HRV).
	24	21	57	07.5	17 685	S	178.983	W	664	?	4.8	0 5	11	FIJI ISLANDS REGION
	24	22	02	32.1	22 528	S	68.883	W	128	•	4.0	1 4	16	NORTHERN CHILE
	24	22	45	15.4%	39.724	N	28 545	E	10	G		0.6	5	TURKEY. MD 2.7 (ISK).
	24	23	06	47.7•	56.694	S	25.789	W	33	N	5.1 4.3	1.4	11	SOUTH SANDWICH ISLANDS REGION

24	23	09	22.6%	43.926	N	7.695	E	10	G			0.3	7	NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG).
24	23	21	01 8?	40.12	N	27.04	E	10	G			0.2	4	TURKEY. MD 2.7 (ISK).
24	23	36	27.4?	18.44	N	65.98	W	33	N			0.6	5	PUERTO RICO REGION
25	00	23	12.5%	44.421	N	6.792	E	10	G			0.5	6	FRANCE. ML 1.9 (LDG).
25	00	26	33.6*	35.258	N	33.874	E	33	N			0.6	5	CYPRUS REGION. ML 3.5 (CSS).
25	01	07	04.1?	37.89	S	176.14	E	215	?			0.5	19	NORTH ISLAND, NEW ZEALAND
25	01	15	27.3*	6.010	S	79.404	W	33	N	4.7		1.1	22	NEAR COAST OF NORTHERN PERU
25	01	18	32.4&	59.490	N	152.359	W	58					43	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
25	01	40	44.4	37.931	N	72.314	E	33	N	4.0		0.2	9	TAJIKISTAN
25	03	09	12.6&	36.917	N	121.668	W	12					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM).
25	05	00	17.4*	35.721	N	140.795	E	65	?	4.5		0.8	11	NEAR EAST COAST OF HONSHU, JAPAN
25	05	17	17.8	40.678	N	32.852	E	10	G			0.9	18	TURKEY. MD 3.9 (ISK).
25	05	59	31.8*	53.310	S	73.189	E	10	G	5.7		1.0	27	KERGUELEN ISLANDS REGION
25	06	20	29.4	64.040	N	150.624	W	10	G			1.1	10	CENTRAL ALASKA. ML 3.3 (PMR).
25	07	02	44.9*	23.357	S	69.473	W	103	*	3.9		1.4	7	NORTHERN CHILE
25	07	42	42.0	47.395	N	2.229	E	18				0.9	22	FRANCE. ML 3.8 (LDG).
25	07	53	59.8&	54.827	N	160.155	W	6		5.0			110	ALASKA PENINSULA. <AEIC>. ML 4.6 (PMR). Felt (IV) at Sand Point. Also felt at King Cove.
25	08	10	58.1	27.432	S	69.681	W	126	*			0.8	15	NORTHERN CHILE
25	08	14	53.7&	19.417	N	155.320	W	4		4.2			58	HAWAII. <HVO-P>. MD 4.4 (HVO). Felt (III) at Hilo, Honamu, Ninole, Pahala, Papaalaa, Papaikau and Pepeekeo. Also felt at Glenwood, Hawaiian Oceanview Estates, Mountain View, Namakani Campground, Volcano and Volcano Golf Course Subdivision.
25	08	54	32.9&	61.712	N	149.662	W	43					53	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
25	08	55	03.7?	41.56	N	141.21	E	33	N	4.5		0.7	9	HOKKAIDO, JAPAN REGION
25	09	43	16.5*	0.010	N	123.953	E	101	*	4.9		1.3	28	MINAHASSA PENINSULA, SULAWESI
25	09	54	16.6&	60.249	N	152.930	W	133		3.9			80	SOUTHERN ALASKA. <AEIC>.
25	10	07	22.8%	26.422	S	27.366	E	5	G			1.1	9	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
25	10	36	03.1*	36.554	N	7.553	W	10	G			0.9	10	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
25	10	51	26.2*	7.176	N	123.441	E	656	*	4.6		0.7	12	MINDANAO, PHILIPPINE ISLANDS
25	11	11	25.6%	44.720	N	2.085	E	10	G			0.5	6	FRANCE. ML 2.0 (LDG).
25	11	11	57.3?	31.18	S	68.35	W	102	?			0.6	5	SAN JUAN PROVINCE, ARGENTINA
25	12	58	51.5*	4.502	N	74.996	W	86	*	3.9		1.4	9	COLOMBIA. Felt at Cali, Manizales and Pereira.
25	13	40	50.3%	39.106	N	27.639	E	10	G			0.6	5	TURKEY. MD 2.7 (ISK).
25	14	32	56.0	22.269	S	66.090	W	295	*	3.7		1.2	17	JUJUY PROVINCE, ARGENTINA
a 25	14	46	09.9	15.211	S	173.498	W	37	D	5.4	5.6	1.2	170	TONGA ISLANDS. Mw 5.7 (HRV).
25	15	32	41.6	2.217	N	84.713	W	33	N	4.5	5.0	1.5	12	OFF COAST OF CENTRAL AMERICA
25	17	28	32.1	36.256	N	27.826	E	10	G			0.9	16	DODECANESE ISLANDS. MD 3.5 (ISK).
25	18	49	26.6%	33.153	S	70.216	W	10	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
25	19	20	22.4*	36.515	N	71.039	E	218	?	4	5	1.1	15	AFGHANISTAN-TAJIKISTAN BORD REG.
25	19	59	10 6*	33.082	S	70.527	W	97	?			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
25	20	20	14.2	18.466	S	69.461	W	149	*	4.5		1.2	14	NORTHERN CHILE
25	21	04	52.7?	15.27	N	120.44	E	10	G			0.9	4	LUZON, PHILIPPINE ISLANDS
25	22	22	35 4*	30.291	S	177.799	W	33	N	5.3		1.3	40	KERMADEC ISLANDS, NEW ZEALAND. Felt on Raoul Island
25	22	34	00.3*	31.874	S	70.561	W	149	?			0.7	19	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
25	23	00	07.9?	37 06	N	29.52	E	10	G			1.1	4	TURKEY. MD 3.3 (ISK).
25	23	26	21 6%	42.952	N	12.817	E	10	G			1.2	5	CENTRAL ITALY
25	23	39	12 2*	5.592	S	154.678	E	180	*	4.5		1.0	14	SOLOMON ISLANDS
26	00	04	28.5	24.382	N	122.175	E	10	G	4.1		1.2	14	TAIWAN REGION. ML 4.0 (BJI).
26	00	39	39.0	12.135	S	166.855	E	245	D	4	9	0.9	54	SANTA CRUZ ISLANDS
26	00	46	52.3	31.644	S	69.833	W	149	*			0.5	18	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
26	00	54	30.9	7.462	S	133.765	E	33	N	5.2	4.8	1.1	52	ARU ISLANDS REGION, INDONESIA
26	01	13	29 6?	37.04	N	13.29	E	10	G			0.5	4	SICILY
26	01	19	18 3*	5 887	S	147.502	E	100	*	4	7	1.3	16	EASTERN NEW GUINEA REG., P.N.G.
26	01	27	13 9&	33.965	N	116.337	W	6					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
26	02	35	04.3*	6 536	S	129.133	E	33	N	4	8	1.5	15	BANDA SEA
26	02	55	13 8?	30.84	S	71.83	W	140	?			0.7	14	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
26	02	59	16.6	40.563	N	22.496	E	10	G			0.8	10	GREECE
26	03	29	24 9*	37 896	N	30.846	E	10	G			1.4	5	TURKEY. MD 3.3 (ISK).
26	03	34	26.5	40.558	N	22.508	E	10	G			0.9	10	GREECE
26	05	37	07 2%	46.288	N	1.577	E	10	G			0.2	8	FRANCE
26	06	16	40 1?	18.26	N	67.18	W	33	N			0.6	6	MONA PASSAGE
26	06	57	52.1	31.879	S	178.750	W	13	D	5.1	4.9	1.1	27	KERMADEC ISLANDS REGION
26	07	28	48.0*	7.494	S	128.609	E	174	*	4.6		1.1	13	BANDA SEA
26	07	50	22.8	46.512	N	14.680	E	10	G			0.8	12	NORTHWESTERN BALKAN REGION. ML 2.8 (VIE). MD 2.6 (LJU). Felt (IV) at Koprivna, Slovenia. Also felt (IV) in southern Carinthia, Austria.
26	08	14	16.4*	38.080	N	27.065	E	10	G			0.7	7	TURKEY. MD 3.4 (ISK).
26	08	59	22.0&	63.367	N	151.211	W	14		3.1			67	CENTRAL ALASKA. <AEIC>. ML 3.7 (PMR), 3.6 (AEIC).
26	09	55	01.5?	40.44	N	28.85	E	33	N			0.7	4	TURKEY. MD 2.9 (ISK).
26	11	05	50.5%	47.413	N	6.572	E	10	G			0.5	9	FRANCE. ML 2.6 (LDG).
26	12	57	03.7	42.914	N	2.217	W	10	G			1.3	20	SPAIN. mbLg 3.3 (MDD).
26	13	48	11.0%	37.887	N	1.675	W	10	G			0.6	5	SPAIN. mbLg 2.3 (MDD).
26	15	10	29.0&	60.256	N	152.497	W	91		2.6			64	SOUTHERN ALASKA. <AEIC>.
26	15	24	08.8&	19.219	N	155.482	W	9		4.9	4.7		121	HAWAII. <HVO-P>. MD 4.8 (HVO). Felt (V) at Holualoa and Pahala; (III) at Hilo, Hanakaa, Kailua Kona, Papaikau and Pepeekea. Some items knocked from shelves at Pahala, Naalehu and Kailua Kona. Also felt at Discovery Harbour, Glenwood and Punaluu. Felt throughout much of the island of Hawaii as far as Kamuela.
26	15	48	53.6%	39.123	N	27.629	E	10	G			0.9	6	TURKEY. MD 2.7 (ISK).
26	16	03	05.3%	27.975	S	26.721	E	5	G			1.0	10	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
26	16	12	28.7&	34.634	N	116.643	W	5					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
26	16	28	37.4?	18.36	N	102.80	W	33	N			1.5	5	MICHOACAN, MEXICO
26	16	54	15.0*	28.642	S	178.035	W	198	?	4.3		1.4	19	KERMADEC ISLANDS REGION
26	17	05	49.6&	47.368	N	122.689	W	24					60	WASHINGTON. <SEA-P>. ML 3.6 (SEA), 3.3 (GS). Felt (III) at Shelton. Felt in the Puget Sound area.
26	17	19	06.6&	60.006	N	151.857	W	61		2.8			B1	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.3 (AEIC).
26	18	39	47.8*	4.253	S	141.944	E	75	*	4.7		0.9	16	NEW GUINEA, PAPUA NEW GUINEA
26	18	44	22.4	42.731	N	13.778	E	10	G			1.0	10	CENTRAL ITALY
26	18	55	01.4	40 603	N	23.652	E	10	G			0.9	8	GREECE
26	19	23	17.4	4.607	N	94.229	E	33	N	4.8		0.6	13	OFF W COAST OF NORTHERN SUMATERA

	26	19	27	41.5	38.084	N	27.227	E	10	G		0.5	9	TURKEY. MD 3.2 (ISK).
	26	19	51	02.2%	26.351	S	27.685	E	5	G		1.1	5	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	26	20	06	30.2&	62.503	N	148.270	W	2				60	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.0 (PMR).
	26	20	13	34.7&	60.207	N	151.717	W	55				57	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
a	26	20	32	06.9	23.027	N	101.062	E	33	N	5.4 5.6	1.0	254	YUNNAN, CHINA. Mw 5.6 (HRV). At least 66 people injured, 6,972 houses destroyed ond 21.444 seriously damaged in southwestern Yunnan Province.
	26	20	46	36.9	22.956	N	101.071	E	33	N	4.5	1.0	33	MYANMAR-CHINA BORDER REGION. ML 4.4 (BJI).
	26	21	38	36.8	44.357	N	7.263	E	10	G		0.4	7	NORTHERN ITALY. ML 2.3 (LDG).
	26	22	42	09.2*	43.769	N	25.604	E	10	G		0.8	5	BULGARIA
	27	00	23	51.0	36.426	N	5.414	W	10	G		1.1	11	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	27	00	33	47.9*	43.745	N	128.158	W	10	G	3.5	1.3	14	OFF COAST OF OREGON
	27	00	39	07.1*	24.076	N	93.731	E	65	?	4.1	1.3	13	MYANMAR-INDIA BORDER REGION
	27	01	12	18 0	30.493	N	141.811	E	33	N	4.8	0.9	37	SOUTH OF HONSHU, JAPAN
	27	01	54	47.8*	30.773	S	68.888	W	10	G		0.7	6	SAN JUAN PROVINCE, ARGENTINA
	27	02	13	57.8	22.360	S	170.600	E	58	?	5.1	1.3	68	LOYALTY ISLANDS REGION
	27	03	39	02.2	43.163	N	12.772	E	10	G		1.0	13	CENTRAL ITALY. MD 3.1 (TRI).
	27	05	00	13.2	22.910	N	100.979	E	33	N	4.7 4.2	1.1	52	MYANMAR-CHINA BORDER REGION. ML 4.5 (BJI).
	27	05	04	25.7%	31 892	S	66.889	W	23	*		1.0	6	LA RIOJA PROVINCE, ARGENTINA
	27	05	29	54.5*	38.112	N	26.870	E	10	G		0.6	6	AEGEAN SEA. MD 3.2 (ISK).
	27	05	31	05.8*	50.286	N	18.928	E	10	G		0.6	5	POLAND. ML 2.8 (WAR).
	27	06	37	10.4?	45.78	N	16.13	E	10	G		0.7	5	NORTHWESTERN BALKAN REGION. MD 2.8 (LJU).
	27	07	31	58.1	39.300	N	28.742	E	10	G		0.6	12	TURKEY. MD 3.1 (ISK).
	27	07	59	51.2?	43.96	N	12.22	E	10	G		0.2	4	CENTRAL ITALY
	27	08	08	13.1*	38.197	N	27.379	E	10	G		1.0	6	TURKEY. MD 3.1 (ISK).
	27	08	13	36.6&	38 819	N	122.775	W	3				36	NORTHERN CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.5 (BRK), 3 2 (GS). Felt (IV) at Cobb.
	27	08	15	06.6&	38.820	N	122.784	W	3				22	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
	27	08	21	39.4*	6.026	S	129.828	E	33	N	5.1	0.9	8	BANDA SEA
	27	09	00	08.2	31.711	S	68.186	W	102	*		1.2	19	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN).
	27	09	02	55.3	6.040	N	124.473	E	83	*	5.0	1.0	52	MINDANAO, PHILIPPINE ISLANDS
	27	09	10	50.7%	39.118	N	27.666	E	10	G		0.9	5	TURKEY. MD 2.8 (ISK).
	27	10	27	05.6	32.104	N	60.088	E	33	N	5.1	1.1	139	NORTHERN IRAN. Three people injured and 200 houses destroyed in the Nehbandan area.
	27	10	53	31.2	7.202	N	127.197	E	72	*	5.0	1.1	58	PHILIPPINE ISLANDS REGION
	27	11	08	42.0*	31.856	S	67.878	W	5	G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
	27	11	23	27.9%	36.459	N	4.449	W	10	G		1.4	6	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
	27	11	35	33.7?	39.14	N	27.54	E	10	G		0.4	4	TURKEY MD 2.7 (ISK).
	27	11	41	57 3%	26.445	S	27.408	E	5	G		0.9	7	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	27	11	43	27.1*	18.189	N	120.960	E	21	*	4.4	1.0	12	LUZON, PHILIPPINE ISLANDS
	27	12	11	08.2*	11 060	S	114.733	E	33	N	4.7	0.8	12	SOUTH OF BALI, INDONESIA
	27	12	11	21.1*	51.141	N	15.820	E	10	G		1.3	5	POLAND MG 2.4 (WAR).
	27	12	24	06.4	33 312	S	72.092	W	25			0.9	23	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN).
	27	12	28	57.5&	63 173	N	149.334	W	82				51	CENTRAL ALASKA. <AEIC>.
	27	12	53	12.1	26 356	S	27.343	E	5	G		1.3	13	REPUBLIC OF SOUTH AFRICA mbLg 3.1 (BUL). ML 3.4 (PRE).
	27	13	41	06.0%	26 906	S	26.762	E	5	G		0.7	5	REPUBLIC OF SOUTH AFRICA ML 2.0 (PRE).
	27	14	51	06 7&	58.269	N	142.964	W	10	G			29	GULF OF ALASKA. <AEIC>. ML 3.0 (PGC), 2.7 (AEIC).
	27	15	25	04.7	42.823	N	141.913	E	154	D	4.8	1.2	66	HOKkAIDO, JAPAN REGION
	27	16	00	14.8	37.924	N	30.785	E	10	G		0.8	8	TURKEY. MD 3.4 (ISK). ML 3.3 (CSS).
	27	16	02	30.1	37.935	N	30.859	E	10	G		0.7	8	TURKEY. MD 3.3 (ISK).
	27	17	34	57.1	37 150	N	71.872	E	159	*	4.5	1.1	37	AFGHANISTAN-TAJIKISTAN BORD REG.
	27	17	44	27.3*	32.097	N	60.001	E	33	N	4.6	0.9	27	NORTHERN IRAN. Felt in the Nehbandan area.
	27	18	52	42.0	31.502	S	69.499	W	133	*		0.6	18	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
	27	19	19	32.0?	49.87	N	30.00	W	10	G	4.5	1.1	13	NORTHERN MID-ATLANTIC RIDGE
	27	19	22	06.8?	18 23	N	77.06	W	10	G		0.3	4	JAMAICA REGION. MD 2.1 (HOJ).
	27	19	32	52.7?	37.69	N	14.08	E	10	G		0.4	4	SICILY
	27	19	38	15.6%	39.405	N	16.673	E	10	G		1.3	7	SOUTHERN ITALY
	27	19	56	36.7%	37 821	N	14.154	E	10	G		0.1	5	SICILY
	27	20	34	32.5*	51.065	N	175.377	W	33	N	4.0	0.8	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	27	23	19	20 1%	41 968	N	13.167	E	10	G		0.8	6	SOUTHERN ITALY
	27	23	41	00.5	36 089	N	22.362	E	86		4.4	1.0	222	SOUTHERN GREECE
	28	01	52	27 6*	55.972	S	27.379	W	130	?	5.4	0.4	13	SOUTH SANDWICH ISLANDS REGION
	28	02	30	59.5*	36.694	N	71.330	E	216	*	4.8	1.0	16	AFGHANISTAN-TAJIKISTAN BORD REG.
	28	02	59	53.0*	35.672	N	27.930	E	10	G		1.5	13	DODECANESE ISLANDS. MD 3.8 (ATH), 3.7 (ISK).
	28	03	06	33.4	38.567	N	29.243	W	10	G	4.9 4.3	0.8	100	AZORES ISLANDS. Felt (V) at Praia do Norte; (IV) at Salaa, Ribeirinha, Cedras, Feteira and Horta; (III) at Pedro Miguel, Madalena, Candelaria, Sao Mateus, Soo Rogue do Pico; (II) at Velas, Rosais and Colheto.
	28	04	30	52.8	49.845	N	18.459	E	10	G		0.6	20	CZECH AND SLOVAK REPUBLICS. ML 3.4 (VIE), 3.4 (WAR).
	28	04	58	50.6	18.220	S	178.396	W	601		4.9	0.9	125	FIJI ISLANDS REGION
	28	05	05	21.4&	62.852	N	148.379	W	67		3.0		78	CENTRAL ALASKA. <AEIC>. ML 3.7 (PMR), 3.5 (AEIC).
	28	06	36	00.5&	56.550	N	156.632	W	54		3.7		73	ALASKA PENINSULA. <AEIC>. ML 3.9 (PMR), 3.8 (AEIC).
	28	06	51	50.4%	41.419	N	19.839	E	5	G		1.4	6	ALBANIA. ML 2.8 (TIR).
	28	07	33	47.2?	33.99	S	70.86	W	92	?		0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	28	08	05	11.2&	60.494	N	147.012	W	18				48	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	28	08	10	08.2*	24.707	N	122.052	E	52	?	4.7	0.8	9	TAIWAN REGION
	28	09	22	25.4?	B.35	S	122.36	E	33	N	4.2	1.1	6	FLORES REGION, INDONESIA
	28	09	48	54.0?	43.63	N	16.93	E	10	G		1.4	5	NORTHWESTERN BALKAN REGION. MD 3.1 (LJU).
	28	10	07	12.5?	39.14	N	27.65	E	10	G		0.5	4	TURKEY. MD 2.8 (ISK).
	28	10	12	35.0	41.097	N	28.726	E	5	G		0.6	10	TURKEY. MD 2.9 (ISK).
	28	10	37	58.2	41.473	N	19.613	E	10	G		0.7	12	ALBANIA. ML 2.6 (TTG).
	28	11	17	02.7%	40.799	N	23.014	E	10	G		1.0	6	GREECE
	28	11	19	15.3*	25.162	N	123.262	E	111	?	4.2	1.3	17	NORTHEAST OF TAIWAN
	28	11	32	00.9	38.229	N	22.776	E	10	G		0.8	12	GREECE. ML 3.4 (ATH).
	28	11	48	15.9	44.627	S	168.005	E	115	*		0.4	19	SOUTH ISLAND, NEW ZEALAND
	28	13	07	28.6?	11.26	N	60.29	W	49	?	3.7	1.1	9	WINDWARD ISLANDS. MD 3.4 (TRN).
	28	13	44	37.8%	26.926	S	26.726	E	5	G		0.8	7	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	28	14	03	50.9?	14.36	N	91.89	W	55	?	4.4	1.4	10	GUATEMALA
	28	14	38	58.5*	50.221	N	19.099	E	10	G		1.5	5	POLAND. ML 3.2 (WAR).
	28	14	54	04.5?	40.76	N	1.38	W	10	G		0.0	4	SPAIN. mbLg 2.5 (MDD).
	28	15	06	49.5%	39.290	N	27.670	E	10	G		1.5	5	TURKEY. MD 2.7 (ISK).
	28	15	06	54.9	16.302	S	71.747	W	127	*	4.7	1 2	36	SOUTHERN PERU
	28	15	35	59.5?	6.58	S	148.01	E	53	*	4.8	1.5	8	NEW BRITAIN REGION, P.N.G.

	28	15	54	02.4%	42.313	N	19.540	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	28	16	12	33.6	6.614	S	130.352	E	33	N	4.7	0.8	18	BANDA SEA
	28	16	52	09.7*	31.323	S	68.174	W	71	?		1.4	8	SAN JUAN PROVINCE, ARGENTINA
	28	17	01	31.6*	38.422	N	26.709	E	10	G		1.5	5	AEGEAN SEA. MD 3.1 (ISK).
	28	18	16	39.1%	26.398	S	27.471	E	5	G		0.8	6	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	28	18	24	32.4	36.451	N	5.379	W	10	G		0.8	14	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD). Felt at Jimena de la Frontera, Spain.
	28	18	24	50.9*	37.412	N	71.800	E	107	*	4.1	1.3	12	AFGHANISTAN-TAJIKISTAN BORD REG.
	28	18	25	10.2	8.083	S	129.083	E	33	N	5.2	0.9	107	TIMOR SEA
	28	19	47	00.9*	51.062	N	15.896	E	10	G		1.2	7	POLAND. MG 2.8 (WAR).
	28	19	56	40.2	47.345	N	6.651	E	10	G		1.2	12	FRANCE. ML 2.5 (LDG).
	28	20	46	12.5%	27.876	S	117.014	E	10	G		1.4	7	WESTERN AUSTRALIA
a	28	20	51	54.1	3.202	S	126.609	E	33	N	5.0	1.0	56	BURU, INDONESIA. Mw 5.3 (HRV).
	28	21	31	05.2	47.342	N	6.678	E	10	G		0.9	10	FRANCE. ML 2.5 (LDG).
	28	22	40	05.7*	9.179	N	126.304	E	61	*	4.7	0.8	21	MINDANAO, PHILIPPINE ISLANDS
	28	22	46	38.3	37.251	N	29.930	E	10	G		1.1	6	TURKEY. MD 3.5 (ISK).
	28	23	14	56.1	38.880	N	27.060	E	10	G		0.3	6	TURKEY. MD 2.9 (ISK).
	28	23	37	31.9%	45.934	N	2.847	E	10	G		0.2	6	FRANCE. ML 1.5 (LDG).
	28	23	41	11.6	12.116	S	122.811	E	33	N	4.8	0.9	11	SOUTH OF TIMOR, INDONESIA
	28	23	56	52.6&	34.974	N	116.934	W	0				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	29	00	28	01.4	30.281	N	108.075	E	10	G	3.6	1.1	16	SICHUAN, CHINA. ML 4.0 (BJI).
	29	01	33	30.3	46.297	N	0.744	E	5	G		1.4	18	FRANCE. ML 2.5 (LDG).
	29	02	19	47.3*	40.208	N	21.058	E	10	G		1.0	12	GREECE
	29	02	43	05.0*	40.220	N	21.042	E	10	G		1.1	9	GREECE
	29	02	55	21.3%	28.050	S	26.822	E	5	G		0.7	5	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
	29	03	47	31.1?	46.41	N	12.77	E	10	G		0.4	4	NORTHERN ITALY. ML 1.7 (VIE).
	29	04	03	53.3*	41.367	N	20.937	E	10	G		0.8	6	ALBANIA. ML 2.0 (SKO).
	29	04	06	25.3?	30.54	S	69.22	W	33	N		1.4	6	CHILE-ARGENTINA BORDER REGION
	29	04	12	46.4?	15.78	N	60.53	W	15	*		0.5	6	LEEWARD ISLANDS. ML 2.9 (FDF).
	29	06	17	59.5	39.430	S	175.023	E	165			0.6	40	NORTH ISLAND, NEW ZEALAND
	29	06	41	51.1?	41.50	N	23.00	E	10	G		0.7	4	GREECE-BULGARIA BORDER REGION
	29	07	05	19.8&	49.424	N	128.421	W	10	G	4.3		134	VANCOUVER ISLAND REGION. <PGC-P>.
	29	07	47	06.7?	22.69	S	65.40	W	88	*	3.9	1.2	9	JUJUY PROVINCE, ARGENTINA
	29	07	50	24.2?	6.43	N	72.92	W	85	?		0.8	10	NORTHERN COLOMBIA
	29	08	15	22.8*	49.826	N	6.735	E	10	G		0.6	5	GERMANY. MD 2.5 (UCC).
	29	08	28	20.9?	31.42	S	68.65	W	84	?		1.1	6	SAN JUAN PROVINCE, ARGENTINA
	29	10	02	40.6?	35.74	S	179.41	E	94	?	4.9	0.7	10	OFF E. COAST OF N. ISLAND, N.Z.
	29	10	20	26.5&	59.695	N	152.079	W	60				46	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
	29	10	36	12.1%	39.103	N	27.681	E	10	G		0.7	6	TURKEY. MD 2.7 (ISK).
	29	12	06	37.4	40.445	S	176.617	E	69	*		0.7	24	NORTH ISLAND, NEW ZEALAND
	29	12	52	39.2?	26.37	S	27.57	E	5	G		0.8	4	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	29	12	53	38.8?	48.46	N	6.33	E	5	G		0.7	5	FRANCE. ML 2.3 (LDG).
	29	13	20	36.1%	26.914	S	26.662	E	5	G		0.9	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	29	13	23	09.8	37.931	S	176.069	E	242	*		0.6	38	NORTH ISLAND, NEW ZEALAND
	29	13	56	23.2	39.038	N	89.040	W	5	G		0.7	15	ILLINOIS. mbLg 3.2 (GS). MD 3.2 (SLM). Felt (III) at Herrick and (II) at Hagarstown, Saint Elmo and Saint Peter.
	29	14	01	03.4	39.279	N	20.562	E	10	G		1.0	21	GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH). ML 3.1 (TIR).
	29	16	09	50.0?	44.30	N	8.24	E	10	G		0.9	5	NORTHERN ITALY
	29	16	29	30.6*	51.141	N	15.748	E	10	G		1.4	6	POLAND. ML 3.4 (VIE).
	29	16	30	31.3?	41.13	N	22.67	E	5	G		0.2	4	NORTHWESTERN BALKAN REGION. ML 1.6 (SKO).
	29	16	55	58.5%	45.488	N	26.998	E	15	*		1.2	8	ROMANIA
	29	17	47	38.8%	39.312	N	28.764	E	10	G		0.6	8	TURKEY. MD 2.9 (ISK).
	29	18	00	55.4	43.023	N	10.973	E	10	G		0.7	11	CENTRAL ITALY. ML 2.5 (LDG).
	29	18	43	15.9?	36.96	N	2.20	W	10	G		0.3	5	STRAIT OF GIBRALTAR. mbLg 2.3 (MDD).
	29	19	01	44.4	3.341	S	136.618	E	33	N	5.0 4.4	1.0	42	IRIAN JAYA, INDONESIA
	29	19	30	36.4	34.936	N	141.594	E	37	D	5.3 5.0	1.0	172	OFF EAST COAST OF HONSHU, JAPAN
	29	19	44	51.4?	38.95	N	29.67	E	10	G		0.7	4	TURKEY. MD 2.9 (ISK).
	29	21	30	04.3	33.384	N	34.401	E	10	G		0.5	8	EASTERN MEDITERRANEAN SEA. ML 2.4 (CSS).
	29	21	51	22.4	40.516	N	24.286	E	10	G		1.2	15	AEGEAN SEA
	29	23	54	32.0&	37.645	N	118.903	W	8				21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).
	30	00	18	09.5*	49.202	N	6.877	E	10	G		0.1	5	GERMANY. MD 2.3 (UCC).
	30	00	43	44.5?	44.22	N	148.76	E	33	N	4.6	1.6	13	KURIL ISLANDS
	30	01	03	58.0*	50.556	N	18.970	E	10	G		0.7	8	POLAND. ML 3.5 (WAR).
	30	01	38	38.2*	16.281	N	61.165	W	33	N		0.6	9	LEEWARD ISLANDS. ML 3.3 (FDF). MD 2.8 (TRN).
	30	02	46	02.2?	16.84	N	60.31	W	10	G		0.2	5	LEEWARD ISLANDS. ML 3.3 (FDF).
	30	02	52	09.0?	43.63	N	0.87	W	5	G		1.5	4	PYRENEES. mbLg 2.7 (MDD). ML 2.5 (LDG).
	30	03	15	31.8&	62.589	N	151.197	W	83		3.0		54	CENTRAL ALASKA. <AEIC>.
	30	03	27	30.1&	60.288	N	152.544	W	101		2.8		55	SOUTHERN ALASKA. <AEIC>.
	30	03	33	44.4%	39.954	N	23.313	E	10	G		0.3	5	AEGEAN SEA
	30	03	43	35.8?	38.76	N	22.94	E	10	G		0.3	6	GREECE
	30	03	49	39.9?	37.94	N	14.10	E	10	G		0.6	4	SICILY
	30	04	20	18.7	31.823	S	67.595	W	21	*		0.5	8	SAN JUAN PROVINCE, ARGENTINA
	30	04	42	53.3&	34.040	N	97.100	W	5	G			4	OKLAHOMA. <TUL>. mbLg 2.0 (TUL).
	30	06	02	24.3?	32.15	S	71.82	W	50	G		0.4	8	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	30	07	40	33.0?	32.52	S	71.91	W	33	N		1.0	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	30	08	46	44.8	26.665	S	26.623	E	5	G		1.4	12	REPUBLIC OF SOUTH AFRICA. mbLg 3.5 (BUL). ML 3.4 (PRE).
	30	09	03	22.7&	65.761	N	151.322	W	10	G			14	NORTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
	30	09	26	00.8*	37.786	N	112.581	W	5	G		1.0	6	UTAH. MD 2.5 (GS).
	30	09	59	10.5%	31.651	S	67.823	W	10	G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
	30	10	14	18.6&	37.645	N	118.902	W	8				33	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.6 (GS), 3.4 (BRK).
	30	10	20	48.0?	46.65	N	4.57	E	10	G		0.7	7	FRANCE
	30	10	53	53.1&	60.145	N	153.381	W	162		3.0		51	SOUTHERN ALASKA. <AEIC>.
	30	10	54	18.2*	15.415	N	95.197	W	33	N	4.6	0.5	19	NEAR COAST OF OAXACA, MEXICO
	30	11	03	19.0?	31.77	S	68.27	W	110	?		0.1	6	SAN JUAN PROVINCE, ARGENTINA
	30	11	05	29.2?	55.34	S	118.71	W	10	G	4.8 5.3	1.3	17	SOUTHERN EAST PACIFIC RISE
	30	11	27	04.0%	33.928	S	71.289	W	33	N		0.3	8	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	30	11	31	17.4?	39.11	N	27.56	E	10	G		0.5	4	TURKEY. MD 2.6 (ISK).
	30	11	44	02.9*	51.148	N	15.738	E	10	G		1.0	10	POLAND. ML 3.6 (VIE).
	30	12	18	03.1&	35.808	N	117.581	W	3				13	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.7 (GS).

30	12	27	33.6	51.575	N	16.099	E	10	G	3.5	0.5	14	POLAND. ML 3.7 (GRF), 3.6 (VIE).
30	13	09	00.3?	30.27	N	131.73	E	93	?	4.1	0.3	7	KYUSHU, JAPAN
30	13	21	46.7?	39.02	N	27.75	E	10	G		0.4	4	TURKEY. MD 2.7 (ISK).
30	13	45	58.1%	45.924	N	2.760	E	10	G		0.5	10	FRANCE
30	14	24	10.4%	26.711	S	26.632	E	5	G		1.1	6	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
30	15	43	21.1&	40.296	N	124.520	W	19				5	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM).
30	16	41	12.9%	37.038	N	2.650	W	10	G		1.0	8	SPAIN. mbLg 2.8 (MDD).
30	18	03	45.1&	56.351	N	120.685	W	5	G			7	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.7 (PGC). Felt in the Fort St. John oreo.
30	18	18	10.1	35.142	N	33.953	E	59		3.7	0.7	16	CYPRUS REGION. MD 4.1 (CSS).
30	19	01	30.0?	37.99	S	175.56	E	197	?		0.3	11	NORTH ISLAND, NEW ZEALAND
30	21	25	12.6&	37.633	N	122.473	W	7				4	CENTRAL CALIFORNIA. <GM-P>. MD 2.2 (GM).
30	21	36	50.7	40.758	N	23.141	E	10	G		0.3	6	GREECE
30	23	42	10.7	20 950	S	67.272	W	224	*	3.9	1.0	11	SOUTHERN BOLIVIA
31	00	26	45.9?	14.33	S	73.49	W	100	?	4.1	0 8	8	CENTRAL PERU
31	00	51	40.5	28.612	S	69.790	W	98	*	4.5	1.2	28	CHILE-ARGENTINA BORDER REGION. MD 4.5 (SAN).
31	00	58	54.9%	29.496	S	71.470	W	201	?		0.5	8	NEAR COAST OF CENTRAL CHILE
31	01	43	42.0&	62.463	N	149.215	W	64				79	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC), 3.4 (PMR).
31	02	49	05.6?	38 24	N	26.72	E	10	G		0.4	4	AEGEAN SEA. MD 3.0 (ISK).
31	03	07	43.5*	31.359	S	68.854	W	113	*		1.0	15	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
31	04	08	14.8	41.052	N	22.116	E	10	G		0.2	8	NORTHWESTERN BALKAN REGION
31	04	57	39.3%	45 825	N	27.269	E	33	N		1.0	5	ROMANIA
31	05	37	50.5	39.486	N	23.773	E	12			0.8	15	AEGEAN SEA. ML 3.0 (ATH).
31	05	43	29.4	40.401	N	143.925	E	34	D	4.8 4.5	1.0	90	OFF EAST COAST OF HONSHU, JAPAN
31	06	40	17.6?	32.43	S	71.66	W	10	G		0.7	7	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
31	07	09	15.7	37.470	N	22.594	E	88		3.4	0.9	40	SOUTHERN GREECE. MD 3.5 (ATH).
31	07	13	59.0*	7.476	S	133.614	E	33	N		1.7	5	ARU ISLANDS REGION, INDONESIA
31	07	16	48.1%	39.535	N	23.648	E	13	*		0.4	7	AEGEAN SEA
31	07	35	23.7	36.604	S	177.200	E	274	*	3.3	0.6	26	OFF E. COAST OF N. ISLAND, N.Z.
31	08	43	00.7*	37.674	N	22.083	E	10	G	3.7	1.2	5	SOUTHERN GREECE. ML 3.4 (ATH).
31	10	03	58.5	42.379	N	19.884	E	10	G		0.3	10	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
31	10	25	39.0	47.328	N	7.927	E	10	G		0.9	15	SWITZERLAND ML 2.7 (LDG).
31	10	39	03.5?	17.84	S	175.70	W	315	?	4.4	1.1	13	TONGA ISLANDS
31	10	43	34 5&	37 566	N	118.873	W	7				17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
31	11	24	45.8*	12.275	N	87.271	W	72	D	4.7	1.2	36	NEAR COAST OF NICARAGUA
31	11	49	31.9	42 353	N	19.913	E	10	G		0.9	20	NORTHWESTERN BALKAN REGION. ML 3.0 (TIR), 2.9 (TTG).
31	11	56	32.2&	33.754	N	116.134	W	2				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.4 (GS). Felt.
31	13	17	01.9*	27.427	N	140.130	E	461	*	4.2	0.6	17	BONIN ISLANDS REGION
31	13	35	55.5?	34.95	S	72.11	W	12			0.4	8	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
31	13	53	46.6*	18.644	N	61.995	W	33	N		0.6	10	LEEWARD ISLANDS. MD 3.7 (TRN).
31	15	07	35.0*	37.138	N	21.527	E	10	G		1.3	11	SOUTHERN GREECE. ML 3.3 (ATH).
31	16	13	14.2*	5 819	S	145.956	E	10	G	3.6	1 0	6	EASTERN NEW GUINEA REG., P.N.G.
31	16	20	29.7*	34.658	N	25.264	E	33	N	3.9	0.8	16	CRETE
31	16	22	53.8&	60 693	N	151.741	W	78				35	KENAI PENINSULA, ALASKA. <AEIC>.
31	18	19	04.9	45.248	N	7.448	E	10	G		1.1	10	NORTHERN ITALY. ML 2.3 (LDG).
31	19	33	34.4	25.905	N	101.535	E	33	N	4.9 4.5	1.1	75	YUNNAN, CHINA. ML 4.7 (BJI). Two people were killed ond some houses were slightly domoged in Doyoo County.
31	20	10	50.1*	37.715	S	176.302	E	231	?		0.5	21	NORTH ISLAND, NEW ZEALAND
31	20	17	34.8*	34.385	S	70.574	W	126	?		0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
31	21	15	25.1	31.883	S	70.371	W	155	?		0.4	16	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
31	22	03	59.4?	22.94	S	71.61	W	33	N	3.8	1.4	8	OFF COAST OF NORTHERN CHILE

ADDITIONAL SOURCE PARAMETERS

01 09 56 27.27 31.621S 71.608W 27km
5 4mb (25 obs.) 4.7Msz (8 obs.)
NEAR COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 21S, 29C
Centroid Locotion:
Origin Time 09.56:34.0 0.5
Lot 31.93S 0.07 Lon 71.66W 0.07
Dep 22.2 3.1 Holf-durotion 1.1
Principol Axes:
Scole 10**16 Nm

	Vol=	Plg	Azm
T	11.04	64	83
N	-1.03	1	174
P	-10.01	26	265

Best Double Couple:Mo=1.1*10**17

	Strike	Dip	Slip
NP1:	356	19	92
NP2:	174	71	89

01 21 36 38.85 61.011S 154.003E 10km
5.2mb (17 obs.) 5.1Msz (5 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 18S, 28C
Centroid Location:
Origin Time 21:36:44.5 0.3
Lot 60.76S 0.04 Lon 152.78E 0.07
Dep 15.0 FIX Holf-durotion 1.5
Principol Axes:
Scole 10**17 Nm

	Vol=	Plg	Azm
T	2.73	4	205
N	-0.05	64	304
P	-2 68	26	113

Best Double Couple:Mo=2.7*10**17

	Strike	Dip	Slip
NP1	252	69	-164
NP2:	157	75	-22

02 06 29 18 15 39.81 S 86.45 E 10km
5.2Msz (2 obs.)
SOUTHEAST INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 12S, 18C
Centroid Locotion:
Origin Time 06:29:12.7 0.6
Lot 40.00S FIX;Lon 86.55E FIX
Dep 15 0 FIX Holf-durotion 1.1
Principol Axes
Scole 10**17 Nm

	Vol=	Plg	Azm
T	1 63	42	103
N	0.37	27	220
P	-2.00	36	332

Best Double Couple:Mo=1.8*10**17

	Strike	Dip	Slip
NP1:	122	27	173
NP2:	219	87	63

03 04 23 34.59 1.513S 119.679E 37km
5.6mb (73 obs.) 5 2Msz (23 obs.)
SULAWESI, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 21S, 35C
Centroid Locotion:
Origin Time 04:23.41.8 0.4
Lot 1.17S 0.04 Lon 120.08E 0.04
Dep 48.4 2.7 Holf-durotion 1.4
Principol Axes:
Scole 10**17 Nm

	Vol=	Plg	Azm
T	3.19	18	25
N	1.47	70	179
P	-4.66	8	292

Best Double Couple:Mo=3.9*10**17

	Strike	Dip	Slip
NP1:	68	72	173
NP2:	160	83	19

03 17 08 13.82 4.064S 129.512E 54km
5.8mb (78 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 24S, 44C
Centroid Locotion:
Origin Time 17:08:14.4 0.4
Lot 4.13S 0.03 Lon 129.41E 0.04
Dep 20.3 1.8 Holf-durotion 1.8
Principol Axes:
Scole 10**17 Nm

	Vol=	Plg	Azm
T	5.07	58	295
N	1.26	31	103
P	-6.33	5	196

Best Double Couple:Mo=5.7*10**17

	Strike	Dip	Slip
NP1:	316	48	134
NP2:	80	58	52

04 01 26 17.92 3.266N 128.094E 72km
5.9mb (106 obs.)
NORTH OF HALMAHERA, INDONESIA
FAULT PLANE SOLUTION: P-Waves

	Strike	Dip	Slip
NP1:	106	86	15
NP2:	15	75	176

Principol Axes:

	Plg	Azm
T	13	331
P	8	240

Comment: The focal mechonism is moderately well controlled ond corresponds to strike-slip foulting with o moderate reverse component. The preferred foult plone is not determined.
RADIATED ENERGY
No. of sto: 6 Focal mech. F

Energy 3.8±1.1*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 61C
Centroid Location:
Origin Time 01:26:21.9 0.2
Lat 3.31N 0.02 Lon 127.96E 0.02
Dep 69.0 1.6 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 8.55 Plg=64 Azm= 29
N -1.09 24 190
P -7.46 8 283
Best Double Couple:Mo=8.0*10**17
NP1:Strike= 39 Dip=43 Slip= 127
NP2: 173 57 60

04 10 28 07.66 4.126S 129.548E 30km
5.6mb (53 obs.) 4.8Msz (19 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 21C
Centroid Location:
Origin Time 10:28:16.6 1.2
Lat 3.62S 0.09 Lon 129.61E 0.08
Dep 31.9 5.5 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 8.13 Plg=84 Azm=133
N -1.44 6 293
P -6.69 2 23
Best Double Couple:Mo=7.4*10**16
NP1:Strike=119 Dip=43 Slip= 99
NP2: 287 48 82

04 20 41 11.20 22.055S 174.866W 33km
5.9mb (70 obs.) 6.2Msz (64 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 48C M.W.: 10S, 13C
Centroid Location:
Origin Time 20:41:16.1 0.2
Lat 22.02S 0.03 Lon 174.10W 0.02
Dep 20.8 1.1 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 10.59 Plg=62 Azm=286
N 0.59 6 27
P -11.18 27 120
Best Double Couple:Mo=1.1*10**18
NP1:Strike=226 Dip=19 Slip= 109
NP2: 25 72 84

06 03 42 44.89 14.910N 93.798W 29km
4.8mb (22 obs) 4.6Msz (2 obs)
NEAR COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 16C
Centroid Location:
Origin Time 03:42:46.1 0.9
Lat 15.04N FIX;Lon 93.77W FIX
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.25 Plg=46 Azm= 41
N 0.15 12 299
P -1.40 42 198
Best Double Couple:Mo=1.3*10**17
NP1:Strike=219 Dip=12 Slip= 10
NP2: 119 88 102

06 22 51 44.63 28.997N 52.137E 24km
5.4mb (103 obs.) 5.3Msz (28 obs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 22:51:46.2 0.3
Lat 29.31N 0.04 Lon 52.02E 0.04
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 1.76 Plg= 9 Azm=113
N -0.53 76 340
P -1.23 10 204
Best Double Couple:Mo=1.5*10**17
NP1:Strike=248 Dip=76 Slip= 0
NP2: 339 90 -166

07 07 42 26.33 0.136N 16.972W 10km
5.7mb (95 obs.) 5.4Msz (41 obs.)
NORTH OF ASCENSION ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 44C
Centroid Location:
Origin Time 07:42:32.8 0.2
Lat 0.62N 0.02 Lon 16.94W 0.03
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 2.95 Plg=23 Azm= 34
N 1.22 64 247
P -4.17 13 129
Best Double Couple:Mo=3.6*10**17
NP1:Strike=173 Dip=65 Slip= 7
NP2: 80 84 154

07 12 02 10.44 32.031S 178.073W 10km
5.2mb (14 obs.) 4.9Msz (1 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 21C
Centroid Location:
Origin Time 12:02:12.6 0.7
Lat 31.93S FIX;Lon 178.05W FIX
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.13 Plg=47 Azm=311
N -0.31 3 218
P -2.82 43 125
Best Double Couple:Mo=3.0*10**17
NP1:Strike=162 Dip= 3 Slip= 34
NP2: 38 88 93

07 12 06 44.29 32.036S 178.074W 10km
5.5mb (27 obs.) 5.3Msz (30 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 30C
Centroid Location:
Origin Time 12 06:53.6 0 5
Lat 32.32S 0.07 Lon 178.14W 0.07
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.94 Plg=60 Azm=284
N 0.33 5 23
P -3.28 29 116
Best Double Couple:Mo=3.1*10**17
NP1:Strike=220 Dip=16 Slip= 108
NP2: 21 74 85

07 16 46 16.27 32.123S 177.949W 10km
5.3mb (16 obs.) 4.9Msz (3 obs)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 16:46:20.5 0.7
Lat 31.91S 0.16 Lon 177.59W 0.09
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 13.80 Plg=53 Azm=351
N -0.85 28 215
P -12.95 21 113
Best Double Couple:Mo=1.3*10**17
NP1:Strike=163 Dip=34 Slip= 33
NP2: 45 72 120

07 18 35 04.05 25.085S 179.987W 521km
5.0mb (37 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 18C
Centroid Location:
Origin Time 18:35: 8.7 0.5
Lat 24.54S 0.06 Lon 179.95W 0.04
Dep 507.1 3.4 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.26 Plg=44 Azm= 90
N -0.06 1 181
P -2.20 46 272
Best Double Couple:Mo=2.2*10**17
NP1:Strike=149 Dip= 1 Slip=-122
NP2: 1 89 -89

08 17 31 10.85 13.006N 49.351E 10km
5.3mb (82 obs.) 5.0Msz (7 obs.)
EASTERN GULF OF ADEN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 31C
Centroid Location:
Origin Time 17:31:11.9 0.5
Lat 13.26N 0.05 Lon 49.33E 0.06
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.12 Plg=21 Azm=173
N -0.45 20 271
P -1.67 60 41
Best Double Couple:Mo=1.9*10**17
NP1:Strike=231 Dip=30 Slip=-134
NP2: 99 69 -68

09 11 15 51.95 32.199S 178.113W 10km
5.4mb (12 obs.) 5.2Msz (11 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 31C
Centroid Location:
Origin Time 11:15:58.2 0.5
Lat 32.21S 0.07 Lon 177.61W 0.06
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.07 Plg=64 Azm=265
N 0.33 7 11
P -2.39 25 104
Best Double Couple:Mo=2.2*10**17
NP1:Strike=210 Dip=21 Slip= 111
NP2: 8 70 82

10 14 39 00.39 59.274S 26.205W 61km
6.3mb (39 obs.)
SOUTH SANDWICH ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=147 Dip=70 Slip= 90
NP2: 327 20 90
Principal Axes:
T Plg=65 Azm= 57
P 25 237
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 1.1±0.3*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 68 No. of sta: 6
Principal Axes:
Scale 10**19 Nm
T Val= 1.21 Plg=52 Azm= 92
N 0.02 22 330
P -1.23 29 227
Best Double Couple:Mo=1.2*10**19
NP1:Strike=272 Dip=26 Slip= 30
NP2: 155 78 113
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 96C M.W.: 25S, 43C
Centroid Location:
Origin Time 14:39: 9.6 0.1
Lat 59.42S 0.01 Lon 25.78W 0.02
Dep 60.7 0.7 Half-duration 5.3
Principal Axes:
Scale 10**19 Nm
T Val= 1.25 Plg=40 Azm=104
N 0.05 49 302
P -1.30 9 202
Best Double Couple:Mo=1.3*10**19
NP1:Strike=251 Dip=56 Slip= 24
NP2: 147 70 144

10 22 58 19.68 5.500N 82.564W 10km
5.1mb (30 obs.) 4.7Msz (20 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 37C
Centroid Location:
Origin Time 22:58:28.8 0.5
Lat 5.90N 0.05 Lon 82.38W 0.05
Dep 15.0 FIX Half-duration 1.3

Principal Axes:
Scale 10**17 Nm
T Val= 1.72 Plg= 8 Azm=133
N 0.43 59 29
P -2.15 30 227
Best Double Couple:Mo=1.9*10**17
NP1:Strike=266 Dip=63 Slip= -17
NP2: 3 75 -152

11 07 03 48.20 22.159S 176.562W 168km
5.2mb (17 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 8C
Centroid Location:
Origin Time 07:03:55.6 2.3
Lat 21.46S 0.32 Lon 176.01W 0.21
Dep 160.3 5.4 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.86 Plg=20 Azm=135
N -0.94 27 34
P -4.92 55 256
Best Double Couple:Mo=5.4*10**16
NP1:Strike=262 Dip=35 Slip= -36
NP2: 23 70 -119

11 20 58 43.72 38.535N 142.596E 35km
5.2mb (89 obs.) 5.0Msz (11 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 20C
Centroid Location:
Origin Time 20:58:47.7 0.8
Lat 38.84N 0.11 Lon 143.05E 0.07
Dep 33.5 4.1 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.55 Plg=66 Azm=327
N 0.70 13 205
P -8 25 19 111
Best Double Couple Mo=7.9*10**16
NP1 Strike=180 Dip=28 Slip= 62
NP2 31 66 104

11 22 22 58.99 5 366N 82 541W 33km
5.1mb (36 obs.) 5.0Msz (16 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 57C
Centroid Location:
Origin Time 22:23: 1.6 0.4
Lat 5.30N 0.04 Lon 82.45W 0.03
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 3.66 Plg= 2 Azm=316
N -0.05 74 52
P -3.61 16 225
Best Double Couple:Mo=3.6*10**17
NP1:Strike= 2 Dip=77 Slip=-170
NP2: 269 80 -13

12 13 24 24.28 6 008S 127 639E 398km
4.9mb (58 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 15C
Centroid Location:
Origin Time 13.24:30.8 1.0
Lat 5.82S 0.07 Lon 127.95E 0.11
Dep 417.0 4.1 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 11.83 Plg=43 Azm=274
N -0.49 29 153
P -11.34 33 42
Best Double Couple:Mo=1.2*10**17
NP1:Strike= 76 Dip=30 Slip= 12
NP2: 336 84 119

13 01 31 54.08 38.870N 142.489E 31km
5.2mb (103 obs.) 4.7Msz (21 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 13C
Centroid Location:
Origin Time 01:31.57.0 1.4
Lat 38.49N 0.16 Lon 142.25E 0.16
Dep 25.0 6.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.77 Plg=43 Azm=235
N 0.47 40 18
P -7.24 19 126
Best Double Couple:Mo=7.0*10**16
NP1:Strike=260 Dip=44 Slip= 159
NP2: 6 75 48

13 17 11 07.57 17.955N 76.583W 16km
5.5mb (73 obs.) 4.8Msz (20 obs.)
JAMAICA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 23C
Centroid Location:
Origin Time 17:11:13.0 0.5
Lat 18.69N 0.07 Lon 76 97W 0.06
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.11 Plg=48 Azm=116
N -0.28 30 345
P -1.83 26 238
Best Double Couple:Mo=2.0*10**17
NP1:Strike=282 Dip=33 Slip= 23
NP2: 172 77 121

13 18 50 42.51 50.791S 139.505E 10km
5.9mb (57 obs.) 6.3Msz (53 obs.)
SOUTH OF AUSTRALIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=184 Dip=85 Slip= 10
NP2: 93 80 175
Principal Axes:
T Plg=11 Azm= 49
P 3 318
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: 10 Focal mech. F
Energy 1.2±0.3*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 16 No. of sta: 13
Principal Axes:
Scale 10**18 Nm
T Val= 3.42 Plg= 2 Azm=219
N 0.20 86 92
P -3.62 3 309
Best Double Couple:Mo=3.5*10**18
NP1.Strike=354 Dip=86 Slip= -1
NP2: 84 89 -176
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 75C M.W.: 28S, 49C
Centroid Location:
Origin Time 18:50:48.9 0.1
Lat 51.04S 0.01 Lon 139.23E 0.02
Dep 15.0 FIX Half-duration 4.5
Principal Axes:
Scale 10**18 Nm
T Val= 3.42 Plg= 8 Azm=222
N -0.12 81 72
P -3.30 4 313
Best Double Couple:Mo=3.4*10**18
NP1:Strike=358 Dip=81 Slip= 3
NP2: 268 87 171

15 11 06 01.96 42.982N 144.165E 112km
6.1mb (113 obs.)
HOKKAIDO, JAPAN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 80 Dip=85 Slip= 102
NP2: 192 13 23
Principal Axes:
T Plg=49 Azm= 3
P 39 159
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a small left-lateral strike-slip component. The preferred fault plane is NP2.

15 11 06 05.95 43 300N 143 691E 102km
6.9mb (39 obs.) 7.1Msz (17 obs.)
HOKKAIDO, JAPAN REGION
RADIATED ENERGY
No. of sta: 25 Focal mech. F
Energy 1.9±0.3*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 99 No. of sta: 27
Principal Axes:
Scale 10**20 Nm
T Val= 2.20 Plg=42 Azm= 7
N -0.10 9 269
P -2.10 47 169
Best Double Couple:Mo=2.2*10**20
NP1:Strike=162 Dip= 9 Slip= -16
NP2. 268 87 -99
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 33S, 88C M.W.: 32S, 81C
Centroid Location:
Origin Time 11:06:15.6 0.1
Lat 43.06N 0.01 Lon 144.29E 0.01
Dep 100.0 FIX Half-duration 15.2
Principal Axes:
Scale 10**20 Nm
T Val= 2.88 Plg=41 Azm=354
N -0.32 5 259
P -2.55 48 164
Best Double Couple:Mo=2.7*10**20
NP1:Strike=133 Dip= 6 Slip= -36
NP2: 259 86 -95

17 05 36 06.35 19.722S 168.875E 31km
5.0mb (22 obs.) 4.8Msz (5 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 21C
Centroid Location:
Origin Time 05:36. 8.5 0.9
Lat 19 59S FIX;Lon 168 80E FIX
Dep 41.5 8.4 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.54 Plg=32 Azm=172
N -0.49 10 268
P -6 05 56 13
Best Double Couple.Mo=6.3*10**16
NP1:Strike=230 Dip=16 Slip=-129
NP2: 90 78 -80

17 18 24 51.54 58.634S 26.177W 110km
5.4mb (23 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 23C
Centroid Location:
Origin Time 18:24:54.3 0.4
Lat 58.30S 0.05 Lon 26.57W 0.12
Dep 33.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.58 Plg=27 Azm=359
N -0.32 25 102
P -2.25 52 229
Best Double Couple:Mo=2.4*10**17
NP1:Strike= 45 Dip=29 Slip=-150
NP2 289 76 -64

18 01 18 06.34 18.414N 145.734E 151km
5.6mb (110 obs.)
MARIANA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=237 Dip=65 Slip=-145
NP2: 131 59 -30
Principal Axes:
T Plg= 4 Azm= 2
P 42 96
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: 14 Focal mech. F
Energy 9.4±1.9*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 150 No. of sta: 18
Principal Axes:
Scale 10**18 Nm
T Val= 3.78 Plg=17 Azm=173
N 0.74 60 295
P -4.51 24 75

Best Double Couple:Mo=4.1*10**18
NP1:Strike=216 Dip=61 Slip=-175
NP2: 123 85 -29
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 39S, 90C
Centroid Location:
Origin Time 01:18:10.9 0.2
Lat 18.38N 0.02 Lon 146.07E 0.01
Dep 157.9 0.5 Half-duration 2.9
Principal Axes:
Scale 10**18 Nm
T Val= 2.01 Plg=20 Azm=188
N 0.28 39 295
P -2.29 44 77
Best Double Couple:Mo=2.2*10**18
NP1:Strike=233 Dip=43 Slip=-159
NP2: 127 76 -49

18 12 42 07.87 30.837N 90.373E 33km
5.7mb (101 obs.) 5.7Msz (39 obs.)
XIZANG
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Location:
Origin Time 12.42:12.6 0.4
Lat 30.34N 0.04 Lon 90.28E 0.06
Dep 15.0 BDY Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 9.54 Plg= 2 Azm=272
N -1.49 23 181
P -8.06 66 7
Best Double Couple:Mo=8.8*10**17
NP1:Strike= 25 Dip=48 Slip= -57
NP2: 161 51 -121

19 09 05 01.88 45.118S 34.996E 10km
5.4mb (30 obs.) 5.5Msz (24 obs.)
PRINCE EDWARD ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 70C
Centroid Location:
Origin Time 09 05: 9.8 0.1
Lat 45.02S 0.02 Lon 35.40E 0.03
Dep 15 0 FIX Half-duration 2 0
Principal Axes:
Scale 10**17 Nm
T Val= 7.94 Plg=10 Azm=152
N -0.20 79 313
P -7.74 4 62
Best Double Couple:Mo=7 8*10**17
NP1:Strike=197 Dip=80 Slip= 175
NP2: 288 85 10

19 14 39 26.17 38.649N 133 465E 448km
6.0mb (201 obs)
SEA OF JAPAN
FAULT PLANE SOLUTION. P-Woves
NP1:Strike=315 Dip=78 Slip= -34
NP2: 53 57 -166
Principal Axes:
T Plg=14 Azm= 8
P 32 269
Comment The focal mechanism is moderotely well controlled and corresponds to strike-slip faulting with o large normal component. The preferred fault plane is not determined
RADIATED ENERGY
No. of sta: 12 Focal mech. F
Energy 3.1±0.9*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 453 No. of sta: 22
Principal Axes:
Scale 10**19 Nm
T Val= 1.09 Plg=11 Azm= 12
N -0.17 64 125
P -0.92 23 277
Best Double Couple:Mo=1.0*10**19
NP1:Strike= 56 Dip=65 Slip=-171
NP2: 323 82 -25
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 83C M.W.: 26S, 54C
Centroid Location:
Origin Time 14:39:32.6 0.1
Lat 38.70N 0.01 Lon 133.96E 0.01
Dep 461 6 1.0 Half-duration 4.4
Principal Axes:
Scale 10**18 Nm
T Val= 6.45 Plg=15 Azm= 11
N -0.28 54 122
P -6.18 32 272
Best Double Couple:Mo=6.3*10**18
NP1:Strike= 56 Dip=56 Slip=-166
NP2: 319 79 -34

19 21 14 49.96 18.123S 178.066W 593km
5 2mb (57 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 9S, 10C
Centroid Location:
Origin Time 21:14:54.6 2.2
Lot 18.01S 0.10 Lon 178.00W 0.18
Dep 625.0 9.6 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 10.85 Plg=23 Azm= 92
N 3.49 34 198
P -14.34 47 334
Best Double Couple:Mo=1.3*10**17
NP1:Strike=137 Dip=37 Slip=-157
NP2: 28 76 -55

19 23 06 10.29 1.221N 126.072E 27km
5.8mb (95 obs.) 5.4Msz (43 obs.)
NORTHERN MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 61C
Centroid Location:
Origin Time 23:06:18.0 0.2
Lot 1 47N 0.03 Lon 126.28E 0.03
Dep 47.5 1.9 Half-durotian 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 7.42 Plg=83 Azm=140
N 0.42 2 38
P -7.84 7 308
Best Double Couple:Mo=7.6*10**17
NP1:Strike= 36 Dip=38 Slip= 88
NP2: 219 52 92

20 02 30 54.73 3.144N 97.633E 68km
6 2mb (184 obs.) 5.7Msz (38 obs.)
NORTHERN SUMATERA, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=295 Dip=82 Slip= -90
NP2: 115 8 -90
Principal Axes:
T Plg=37 Azm= 25
P 53 205
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 9.7±3.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 63 No. of sta: 9
Principal Axes:
Scale 10**18 Nm
T Val= 1.96 Plg=25 Azm= 3
N 0.04 27 106
P -2.00 52 237
Best Double Couple:Mo=2.0*10**18
NP1:Strike= 50 Dip=32 Slip=-150
NP2: 294 75 -62
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 84C M.W.: 24S, 36C
Centroid Location:
Origin Time 02:30:57.3 0.2
Lat 3.04N 0.01 Lon 97.56E 0.02
Dep 57.0 0.8 Half-durotion 2.9
Principal Axes:
Scale 10**18 Nm
T Val= 1.77 Plg=27 Azm= 31
N 0.13 2 122
P -1.90 63 217
Best Double Couple:Mo=1.8*10**18
NP1:Strike=115 Dip=19 Slip= -98
NP2: 303 72 -87

20 03 03 38.75 32.263S 178.178W 17km
5.3mb (14 obs.) 5.5Msz (4 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 22C
Centroid Location:
Origin Time 03:03:41.9 1.2
Lat 32.77S FIX;Lon 178.12W FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 8.06 Plg=51 Azm=276
N -1.08 2 9
P -6.98 39 101
Best Double Couple:Mo=7.5*10**17
NP1:Strike=210 Dip= 6 Slip= 111
NP2: 9 84 88

20 04 08 26.57 8.318S 121.377E 33km
5 8mb (77 obs.) 5.3Msz (21 obs.)
FLORES REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 62C
Centroid Location:
Origin Time 04:08:36.4 0.4
Lat 7.79S 0.03 Lon 121.72E 0.05
Dep 58.4 3.5 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 4.53 Plg=24 Azm= 77
N 3.08 65 233
P -7.61 9 343
Best Double Couple:Mo=6.1*10**17
NP1:Strike=117 Dip=67 Slip= 169
NP2: 212 80 23

20 14 49 12.31 38.541N 29.276W 10km
5.0mb (63 obs.) 4.6Msz (9 obs.)
AZORES ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 32C
Centroid Location:
Origin Time 14:49:18.8 0.5
Lat 38.39N 0.06 Lon 29.34W 0.11
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.43 Plg=16 Azm= 20
N -0.49 16 285
P -0.94 67 151
Best Double Couple:Mo=1.2*10**17
NP1:Strike=132 Dip=33 Slip= -59
NP2: 276 63 -109

20 17 31 15.57 7.205S 128.566E 33km
6.2mb (83 obs.) 6.2Msz (50 obs.)
BANDA SEA
RADIATED ENERGY
No. of sta: 10 Focal mech. M
Energy 7.2±1.9*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 16
Principal Axes:
Scale 10**18 Nm
T Val= 4.58 Plg=11 Azm=271
N 0.03 75 133
P -4.60 10 3
Best Double Couple:Mo=4.6*10**18
NP1:Strike= 47 Dip=75 Slip= 1
NP2: 317 89 165
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 89C M.W.: 31S, 62C
Centroid Location:
Origin Time 17:31:17.9 0.2
Lat 7.15S 0.01 Lon 128.53E 0.01
Dep 17.3 1.2 Half-duration 4.1
Principal Axes:
Scale 10**18 Nm
T Val= 4.90 Plg= 2 Azm=100
N 0.01 78 200
P -4.91 12 9
Best Double Couple:Mo=4.9*10**18
NP1:Strike=145 Dip=80 Slip=-173
NP2: 54 83 -10

21 13 43 15.24 78.873N 125.638E 29km
5.1mb (90 obs.) 5.0Msz (35 obs.)
EAST OF SEVERNAYA ZEMLYA, RUSSIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 43C
Centroid Location:
Origin Time 13:43:17.7 0.2

Lat 78.74N 0 04 Lon 125.30E 0.17
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1 96	4	75
N	0.34	24	167
P	-2 30	65	337

Best Double Couple.Mo=2.1*10**17
NP1.Strike=142 Dip=47 Slip=-125
NP2: 7 53 -59

22 10 03 46.95 7.075S 128.666E 33km
5 4mb (53 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 29C
Centroid Location:
Origin Time 10:03:46.4 1.1
Lat 7.22S 0.09 Lon 128.23E 0.08
Dep 26.8 5.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.16	1	272
N	2.72	63	180
P	-11.87	27	2

Best Double Couple:Mo=1.1*10**17
NP1:Strike= 44 Dip=71 Slip= -19
NP2: 140 72 -160

23 08 59 25.06 24.114N 121.709E 29km
5.4mb (104 obs.) 5.4Msz (34 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 46C
Centroid Location:
Origin Time 08:59:30.1 0.2
Lat 24.22N 0.03 Lon 122.00E 0.03
Dep 29.8 2.1 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.93	56	263
N	0.62	10	9
P	-4.55	31	106

Best Double Couple:Mo=4.2*10**17
NP1:Strike=228 Dip=17 Slip= 130
NP2: 7 77 79

23 18 22 11.68 54.475N 161 633W 23km
5.7mb (133 obs.) 5.1Msz (52 obs.)
ALASKA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 61C
Centroid Location:
Origin Time 18:22:16.6 0.2
Lat 54.16N 0.03 Lon 161.50W 0.05
Dep 32.2 2.5 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.05	56	335
N	0.14	1	67
P	-3.19	34	158

Best Double Couple Mo=3.1*10**17
NP1:Strike=253 Dip=11 Slip= 97
NP2: 66 79 89

24 21 30 50.96 45.768N 142.162E 306km
5.0mb (101 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 20C
Centroid Location:
Origin Time 21:30:54.5 0.6
Lat 45.64N 0.06 Lon 142.08E 0.09
Dep 312.3 3.2 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.20	18	12
N	1.07	31	113
P	-10.27	53	256

Best Double Couple:Mo=9.7*10**16
NP1:Strike= 63 Dip=38 Slip=-147
NP2: 306 70 -56

25 14 46 09.98 15.211S 173.498W 37km
5.4mb (58 obs.) 5.6Msz (33 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 51C
Centroid Location:
Origin Time 14:46:16.5 0.3
Lat 15.01S 0.05 Lon 173.36W 0.03
Dep 41.4 3.4 Half-duration 1.9
Principal Axes.
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.82	44	149
N	-0 56	5	243
P	-4.26	46	338

Best Double Couple:Mo=4.5*10**17
NP1:Strike=169 Dip= 5 Slip=-164
NP2: 63 89 -85

26 20 32 06.97 23.027N 101.062E 33km
5.4mb (111 obs.) 5.6Msz (28 obs.)
YUNNAN, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 40C
Centroid Location:
Origin Time 20:32: 8.7 0.4
Lat 22.86N 0.04 Lon 100.88E 0.05
Dep 24.4 4.2 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.92	2	275
N	0.30	80	172
P	-3.22	10	6

Best Double Couple:Mo=3.1*10**17
NP1:Strike= 50 Dip=82 Slip= -5
NP2: 141 85 -172

28 20 51 54.14 3.202S 126.609E 33km
5.0mb (26 obs.)
BURU, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 17C
Centroid Location:
Origin Time 20:51:48.7 0.9
Lat 3.22S FIX;Lon 126.65E FIX
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.21	18	294
N	-0 32	61	169
P	-8.89	22	32

Best Double Couple:Mo=9.1*10**16
NP1:Strike= 72 Dip=61 Slip= -3
NP2: 164 87 -151

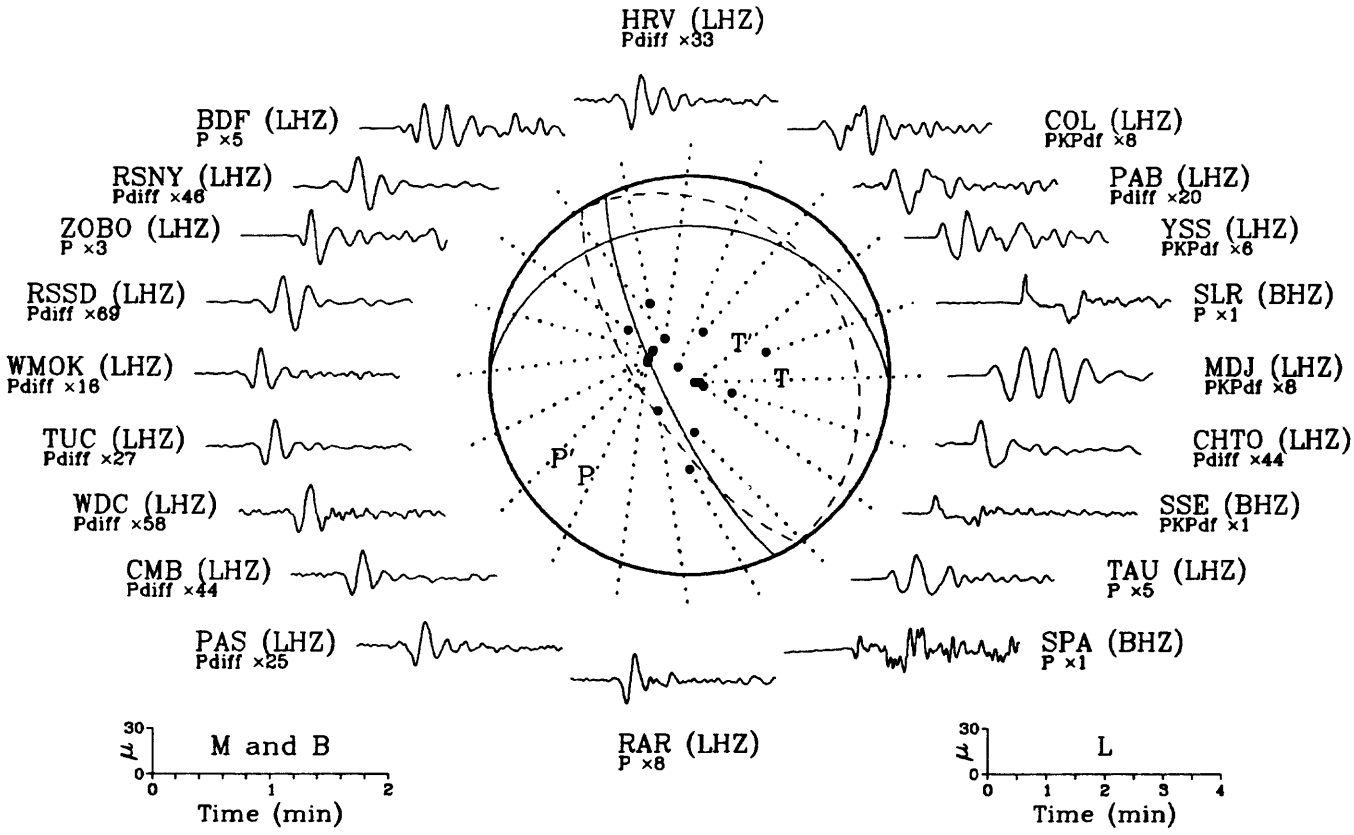
Compiled by Pingsheng Chang, Willis S. Jacobs, Stuart K. Koyanagi, Christina K. Lovonne, John H. Minsch, Russell E. Needham, Waverly J. Persan, Bruce W. Presgrave and William H. Schmieder.

GEOGRAPHIC REGION NAME CHANGES

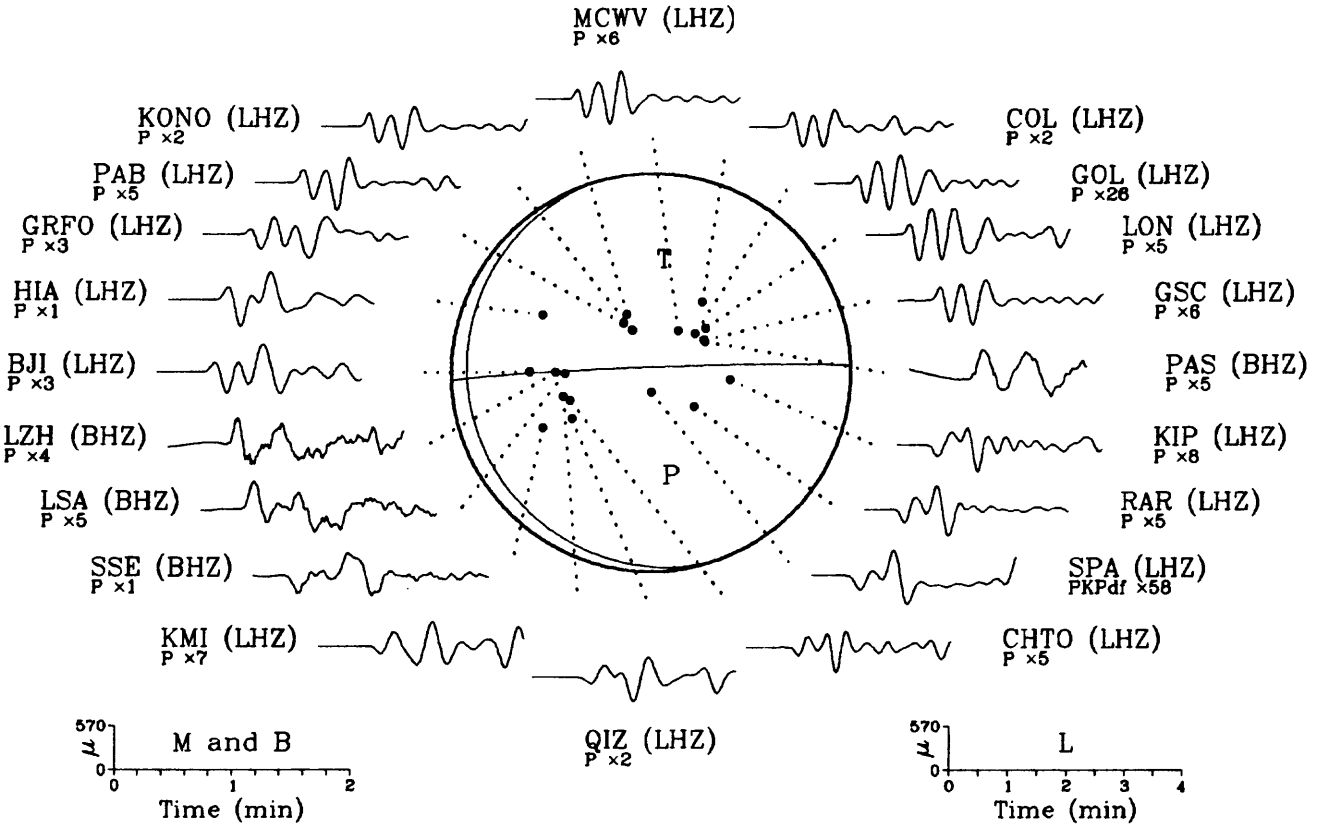
Beginning with this issue, the following changes have been made to the geographic region names used in this publication. These changes were made under the constraint of making no change to the boundaries of the regions nor to their corresponding Flinn-Engdahl geographic region numbers.

F-E GEOG. REG. NO	OLD NAME OF REGION	NEW NAME OF REGION
547	CZECHOSLOVAKIA	CZECH AND SLOVAK REPUBLICS
724	BALTICS-BYELARUS-NW RUSSIA REG.	BALTICS-BELARUS-NW RUSSIA REG.

10 January 1993 14:39:00.39
South Sandwich Islands Region



15 January 1993 11:06:05.95
Hokkaido, Japan Region



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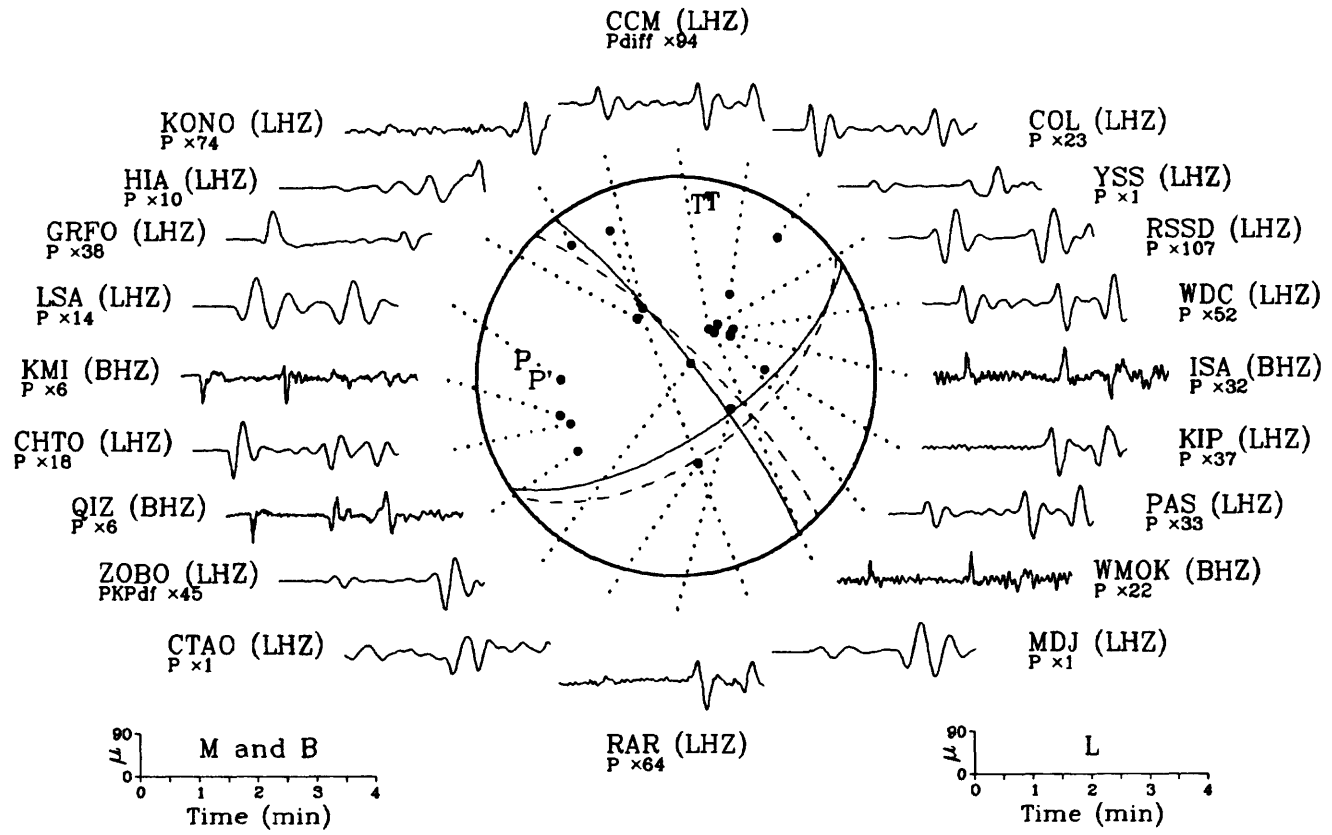
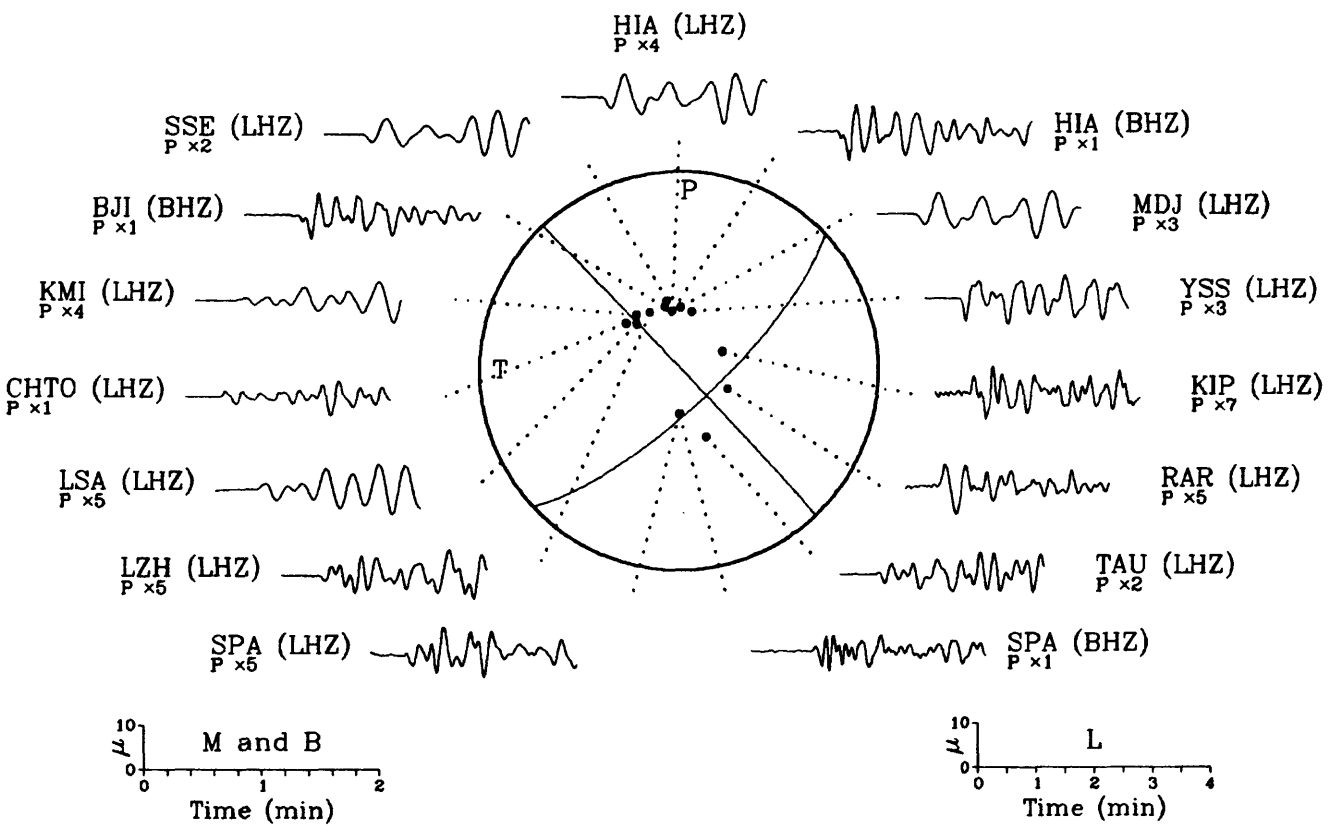
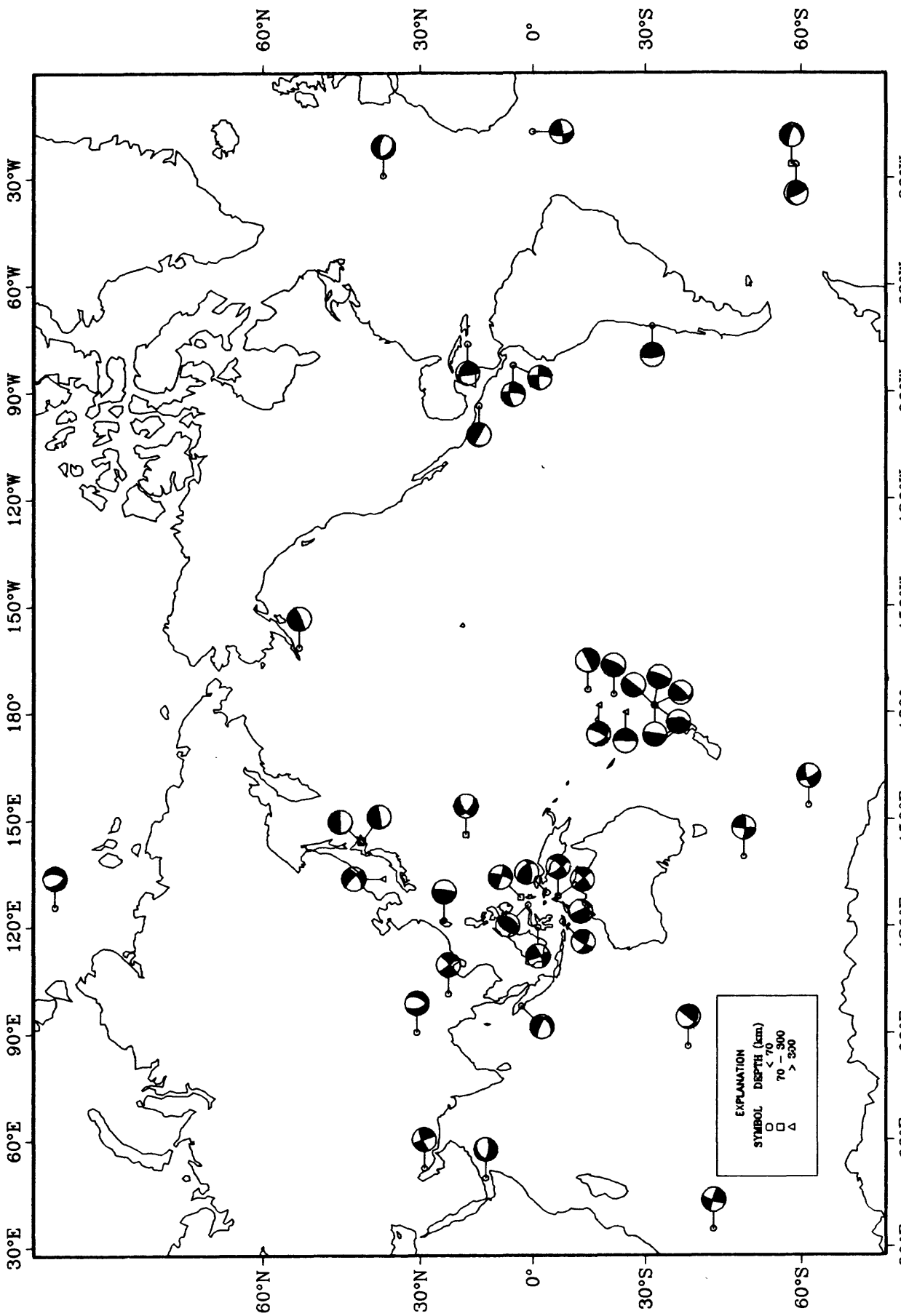
Sea of Japan



20 January 1993 17:31:15.57
Banda Sea



Earthquake Focal Mechanisms for January 1993



SIGNIFICANT EARTHQUAKES OF THE WORLD, 1992

Earthquakes of magnitude 6.5 or greater or ones that caused fatalities, injuries or substantial damage.

BRK--Berkeley. PAS--Pasadena. ATH--Athens, Greece. BJI--Beijing, China. BRA--Bratislava, Slovak Republic. GEN--Genoa, Ita
ISK--Istanbul-Kandilli, Turkey. KRA--Krakow, Poland. LDG--Laboratoire de Detection et de Geophysique, France.
LJU--Ljubljana, Yugoslavia. SJR--San Jose, Costa Rica. STR--Strasbourg, France. THE--Thessaloniki, Greece.
TRI--Trieste, Italy. TTG--Titograd, Yugoslavia. VKA--Vienna-Kobenzl, Austria. ZAG--Zagreb, Yugoslavia.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
FEB 01	19 04 04.5	35.106 N	139.644 E	100 D	5.6		0.9	436	NEAR S. COAST OF HONSHU, JAPAN. mb 5.7 (BRK). Mo=5.5*10**17 (HRV). Mo=1.3*10**18 Nm (PPT). Thirty-seven people injured and damage (V JMA) in the Tokyo area. Felt (IV JMA) at Chiba, Kanagawa and Oshima; (III JMA) at Kofu, Mito, Utsunomiya and Yokohama; (II JMA) at Maebashi. Felt as far north as Fukushima.
FEB 04	01 58 39.7*	7.138 S	109.067 E	58 *	5.0	4.4	1.1	24	JAWA, INDONESIA. Mo=4.5*10**16 (HRV). One person injured, 800 houses destroyed, 700 damaged and 1,500 families left homeless in the Brebes area.
FEB 13	01 29 13.1	15.894 S	166.318 E	10 G	6.1	6.8	1.2	381	VANUATU ISLANDS. Ms 7.1 (BRK). Mo=1.8*10**19 (HRV). Mo=4.0*10**19 Nm (PPT). Felt at Port Vila.
FEB 14	17 28 23.0&	26.420 S	27.430 E	5 G				2	REPUBLIC OF SOUTH AFRICA. <MACRO>. mbLg 3.4 (BUL). Four people killed and 4 others injured at the Western Deep Levels South Mine near Carltonville.
FEB 27	20 05 23.8	6.191 S	147.576 E	39 G	5.9	6.6	1.1	260	EASTERN NEW GUINEA REG., P.N.G. Ms 6.5 (BRK). Mo=1.1*10**19 (HRV). Mo=7.9*10**18 Nm (PPT). Felt at Lae.
MAR 02	12 29 39.5	52.915 N	159.886 E	39 G	6.5	6.8	1.1	611	OFF EAST COAST OF KAMCHATKA. Ms 6.7 (BRK). Mo=6.4*10**17 Nm (HRV). Mo=2.6*10**19 Nm (GS). Mo=3.2*10**19 Nm (PPT). Felt (V) at Petropavlovsk-Kamchatskiy, Russia.
MAR 04	03 49 54.8	3.008 S	147.882 E	19 G	6.0	6.5	1.3	299	BISMARCK SEA. Ms 6.4 (BRK). Mo=3.8*10**18 Nm (GS). Mo=5.2*10**18 Nm (HRV). Mo=1.3*10**19 Nm (PPT).
MAR 04	11 57 53.0	31.726 N	50.778 E	18 D	4.9	4.6	1.2	213	NORTHERN IRAN. Mo=5.7*10**16 Nm (HRV). At least 6 people killed, 50 injured and 300 homes destroyed in the Lordegan-Ardal area. Landslides blocked roads in the epicentral region.
MAR 07	01 53 37.7	10.210 N	84.323 W	79 G	6.2		1.0	572	COSTA RICA. MD 5.6 (SJR), 5.6 (UPA). Mo=8.1*10**18 Nm (GS). Mo=6.5*10**18 Nm (HRV). Mo=4.0*10**18 Nm (PPT). One person died of a heart attack and damage at San Jose. Felt strongly throughout Costa Rica. Felt (III) at Changuinola and David, Panama.
MAR 13	17 18 39.9	39.710 N	39.605 E	27 D	6.2	6.8	1.1	584	TURKEY. Ms 6.9 (BRK). M0=1.3*10**19 Nm (GS). Mo=1.2*10**19 Nm (HRV). Mo=5.2*10**19 Nm (PPT). At least 498 people killed, 2,000 injured, some missing; 2,200 houses heavily damaged at Erzincan. Landslides and avalanches blocked a number of roads in the epicentral area. Felt strongly in many parts of northeastern Turkey.
MAR 15	16 16 24.2	39.532 N	39.929 E	21 D	5.5	5.8	1.2	367	TURKEY. MD 6.0 (ISK). Mo=3.1*10**18 Nm (GS). Mo=7.6*10**17 Nm (HRV). Mo=4.0*10**18 Nm (PPT). Additional damage in the Erzincan area. Felt strongly in the epicentral area.
APR 03	03 19 51.4	5.696 S	151.164 E	27 G	5.8	6.5	0.9	434	NEW BRITAIN REGION, P.N.G. Ms 6.9 (BRK). ML 6.6 (RAB), 6.2 (PMG). Mo=6.9*10**18 Nm (GS). Mo=6.5*10**18 Nm (HRV). Mo=1.0*10**19 Nm (PPT). Felt (IV) at Rabaul.
APR 06	13 54 40.2	50.724 N	130.092 W	20 G	6.0	6.8	1.0	322	VANCOUVER ISLAND REGION. Mo=1.2*10**19 Nm (GS). Mo=1.2*10**19 Nm (HRV). Mo=3.2*10**19 Nm (PPT). Felt at Port Hardy and Port McNeill, British Columbia.
APR 13	01 20 00.8	51.153 N	5.798 E	21 D	5.5	5.2	1.2	404	THE NETHERLANDS. ML 5.9 (BNS), 5.9 (UCC), 5.8 (STR), 5.8 (BGS), 5.5 (LDG). MD 5.8 (VIE). Mo=1.3*10**17 Nm (HRV). One person died of a heart attack at Bonn, Germany. Twenty people injured and some buildings damaged (VIII) at Roermond, Netherlands and 25 people injured and some buildings damaged (VII) at Heinsberg, Germany. Damaged also reported at Bonn and Koln, Germany and in Limburg Province, Belgium. Felt strongly in many parts of northwestern Germany, eastern Belgium and southern Netherlands. Felt in northeastern France. Also felt throughout much of southeastern England and in the Liverpool-Manchester area, United Kingdom.
APR 23	04 50 23.2&	33.961 N	116.318 W	12	5.7	6.3		392	SOUTHERN CALIFORNIA. <PAS-P>. ML 6.1 (PAS). Mo=2.4*10**18 Nm (GS). Mo=2.1*10**18 Nm (HRV). Mo=5.0*10**18 Nm (PPT). Thirty-two people were treated for minor injuries. Light to moderate damage (VII) at Joshua Tree and (VI) at Angelus Oaks, Banning, Cathedral City, Coachella, Desert Hot Springs, India, Palm Desert, Palm Springs, Pioneertown, Rancho Mirage, Twentynine Palms and Yucca Valley. Felt strongly in many parts of southern California. Felt from San Diego, California to Las Vegas, Nevada and from Santa Barbara, California to Yuma, Arizona. Also felt at Phoenix, Arizona and in Baja California, Mexico.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
APR 23	15 32 49.1	22.418 N	98.852 E	10 D	5.9	6.3	1.1	406	MYANMAR-CHINA BORDER REGION. Mo=1.9•10••18 Nm (HRV) Mo=4.0•10••18 Nm (PPT). One child injured and slight damage in Yunnan Province, China. Felt in northern Thailand and by people in tall buildings in Bangkok, Thailand. Also felt in Myanmar.
APR 25	18 06 04.2&	40.368 N	124.316 W	15	6.3	7.1		735	NEAR COAST OF NORTHERN CALIFORNIA. <GM-P>. Mo=5.1•10••19 Nm (GS). Mo=6.7•10••19 Nm (HRV). Mo=4.0•10••19 Nm (PPT). Ninety-eight people injured and considerable damage in southwestern Humboldt County. Preliminary estimate of damage in this area from the series of earthquakes is 66 million U.S. dollars. Maximum intensities (VIII) at Ferndale, Honeydew, Petrolia, Rio Dell and Scotia; (VII) at Fortuna and Loleta; (VI) at Eureka. Landslides and rockfalls occurred in the Honeydew-Petrolia area. Liquefaction was noted in areas of the Eel and Mattole River Valleys. Felt throughout much of northern California as far south as San Francisco and southeast to Carson City and Reno, Nevada. Also felt in many areas of southern Oregon. Strong-motion records indicate peak horizontal accelerations of 1.3g at Cape Mendocino and 0.69g at Petrolia. A tsunami was generated with maximum wave heights (peak-to-trough) of 1.1 m. at Crescent City, 0.2 m. at Arena Cove and 0.17 m. at Pt. Reyes, California; 0.2 m. at Port Orford, Oregon; 0.15 m. at Kahului and 0.1 m. at Hilo, Hawaii.
APR 26	07 41 39.7&	40.415 N	124.603 W	20	5.9	6.6		644	NEAR COAST OF NORTHERN CALIFORNIA. <GM-P>. Mo=6.0•10••18 Nm (HRV). Mo=2.0•10••19 Nm (PPT). This earthquake caused additianal damage in the Ferndale, Fortuna and Petrolia areas. A fire caused by a broken gas main destroyed much of the business district of Scotia. Felt throughout much af northern Californio.
APR 26	11 18 25.7&	40.378 N	124.575 W	22	6.5	6.6		757	NEAR COAST OF NORTHERN CALIFORNIA. <GM-P>. Mo=1.2•10••19 Nm (GS). Mo=1.0•10••19 Nm (HRV). Mo=3.2•10••19 Nm (PPT). This earthquake caused additional damage in the Ferndale, and Petrolia areas. Felt throughout much of northern California, south as far as Salinas, Santa Cruz and San Francisco. Also felt in southern Oregon.
MAY 12	18 05 42.6	16.524 S	172.367 W	15 G	6.4	6.8	1.1	583	SAMOA ISLANDS REGION. Ms 7.0 (BRK). Mo=9.5•10••18 Nm (GS). Mo=1.2•10••19 Nm (HRV). Mo=2.0•10••19 Nm (PPT). Felt in American Samoa and Western Samoa.
MAY 15	07 05 05.3	6.075 S	147.572 E	58 G	6.2		1.1	420	EASTERN NEW GUINEA REG., P.N G. Ms 7.1 (BRK). Mo=7.7•10••19 Nm (GS). Mo=8.1•10••19 Nm (HRV). Mo=6.3•10••19 Nm (PPT). Slight damage at Lae.
MAY 15	08 08 02 9	41.019 N	72.429 E	50 •	5.7	6.2	1.0	406	KYRGYZSTAN. Three people killed, 5,500 houses completely destroyed and more than 4,000 houses damaged (VII) in the Osh area. Felt (VI) at Andizhan, (V) at Fergana, (IV) at Namangan and (III) at Tashkent, Uzbekistan. Also felt (III) at Dzhambul and (II) at Chimkent and Alma-Ata, Kazakhstan. Landslides reported at Karasu and Uzgen.
MAY 17	09 49 19.1	7.239 N	126.645 E	33 G	6.2	7.1	1.2	533	MINDANAO, PHILIPPINE ISLANDS. Ms 7.0 (BRK). Mo=4.4•10••19 Nm (GS). Mo=4.9•10••19 Nm (HRV). Mo=7.9•10••19 Nm (PPT). Felt (V RF) at Bislig, (IV RF) at Cagayan de Oro, (III RF) at Polo and (II RF) at Mactan.
MAY 17	10 15 31.3	7.191 N	126.762 E	33 N	6.4	7.5	1.1	480	MINDANAO, PHILIPPINE ISLANDS. Ms 7.5 (BRK). Mo=9.9•10••19 Nm (GS). Mo=8.3•10••19 Nm (HRV). Mo=1.3•10••20 Nm (PPT). Some minor damage at Tandag and Bislig. Felt (V RF) at Cagayan de Oro, (III RF) at Polo and (II RF) at Mactan. Small tsunami generated.
MAY 19	01 26 44.6	13.842 N	44.030 E	10 G	4.5		0.8	43	WESTERN ARABIAN PENINSULA. Several people injured and at least 20 houses destroyed in the Sanaa Mountain area, Yemen.
MAY 20	12 20 32.8	33.377 N	71.317 E	16 G	6.0	6.0	1.1	432	PAKISTAN. Mo=2.7•10••18 Nm (GS). Mo=1.4•10••18 Nm (HRV). At least 36 people killed and 100 injured in the Peshawar and Kohat Districts, including 20 people killed at Shakkar Khel. At least 400 houses destroyed in the Kohat District. Felt at Islamabad and Lahore. Also felt in the Srinagar area, Kashmir and in parts of northern India.
MAY 21	04 59 57.5	41.604 N	88.813 E	0 G	6.5	5.0	0.8	585	SOUTHERN XINJIANG, CHINA. Probable underground nuclear explosion.
MAY 25	16 55 04.1	19.613 N	77.872 W	23 G	6.3	6.9	0.9	492	CUBA REGION. Ms 7.0 (BRK). Mo=2.0•10••19 Nm (HRV). Mo=5.0•10••19 Nm (PPT). Forty people injured and more than 820 buildings damaged in the Pilon-Manzanillo area. Felt at Guantanamo and in most of eastern Cuba as far away as Sancti Spiritus. Also felt on Jamaica.
MAY 27	05 13 38.8	11.122 S	165.239 E	19 G	6.3	7.0	0.9	456	SANTA CRUZ ISLANDS. Ms 7.3 (BRK). Mo=3.4•10••19 Nm (GS). Mo=3.9•10••19 Nm (HRV). Mo=1.0•10••20 Nm (PPT). Felt strongly at Lata Station, Santa Cruz. A small tsunami was observed.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
JUN 25	06 30 51.0	28.314 S	176.716 W	20 G	6.1	6.5	1.2	398	KERMADEC ISLANDS REGION. Mo=6.5*10**18 Nm (GS). Mo=6.5*10**18 Nm (HRV). Mo=1.3*10**19 Nm (PPT). Felt (IV) on Raoul Island.
JUN 28	11 57 34.1&	34.201 N	116.436 W	1	6.2	7.6		523	SOUTHERN CALIFORNIA. <PAS-P>. Mo=6.7*10**19 Nm (GS). Mo=1.1*10**20 Nm (HRV). Mo=2.0*10**20 Nm (PPT). One person was killed at Yucca Valley, two people died of heart attacks, more than 400 people were injured and substantial damage occurred in the Landers-Yucca Valley area. Maximum intensity IX. Preliminary estimate of damage for this earthquake plus the following magnitude 6.7 event at 1505 UTC is 92 million U.S. dollars. Felt throughout southern California, southern Nevada, western Arizona and southern Utah. Felt in high-rise buildings as far north as Boise, Idaho and as far east as Albuquerque, New Mexico and Denver, Colorado. Surface faulting observed along a 70-kilometer segment from Joshua Tree to near Barstow with as much as 5.5 meters of horizontal displacement and as much as 1.8 meters of vertical displacement. Seiches were reported as far north as Lake Union, Washington and as far east as Aurora, Colorado and Corpus Christi, Texas.
JUN 28	15 05 30.7&	34.203 N	116.827 W	5 G	6.3	6.7		464	SOUTHERN CALIFORNIA. <PAS-P>. Mo=6.8*10**18 Nm (HRV). Mo=2.0*10**19 Nm (PPT). Some people injured, substantial damage and landslides in the Big Bear Lake and Big Bear City areas. Maximum intensity VIII. Felt throughout much of southern California and in parts of southern Nevada and western Arizona.
JUL 09	01 43 57.6&	34.239 N	116.837 W	0	5.6	5.2		272	SOUTHERN CALIFORNIA. <PAS-P>. MD 5.3 (PAS). ML 5.7 (BRK). Mo=1.1*10**17 Nm (HRV). At least 16 people injured in the Big Bear Lake area. Slight damage (VI) at Angelus Oaks, Big Bear City, Rimforest and Sugarloaf. Felt (V) at Crest Park, Forest Falls, Highland, La Quinta, Moreno Valley, Palm Springs, Placentia, Ramona, Santa Ana, Skyforest, Twin Peaks and Victorville. Felt in Los Angeles, Orange, Riverside, San Bernardino and San Diego Counties. Rockfalls and landslides occurred in the Big Bear Lake area.
JUL 10	09 31 27.5	44.695 N	149.482 E	20 G	6.2	6.5	1.0	575	KURIL ISLANDS. Ms 6.1 (BRK). Mo=6.6*10**18 Nm (GS). Mo=7.4*10**18 Nm (HRV). Mo=1.3*10**19 Nm (PPT).
JUL 14	04 26 26.6	39.255 N	41.754 E	18 D	4.5		1.3	73	TURKEY. Fifteen houses collapsed and 27 houses slightly damaged at Halilcavus, Hinis, Kizilahmet, Kongur, Ovacevirme, Parmaksiz and Suvaran. Felt at Erzurum, Mus and Varto.
JUL 18	08 36 58.7	39.419 N	143.330 E	29 G	6.2	6.9	1.0	506	OFF EAST COAST OF HONSHU, JAPAN. Ms 7.0 (BRK). Mo=2.3*10**19 Nm (GS). Mo=2.7*10**19 Nm (HRV). Mo=2.5*10**19 Nm (PPT). Felt (III JMA) at Aomori, Hachinohe, Ishinomaki, Miyako, Sakata and Sendai; (II JMA) at Akita and Fukushima; (I JMA) at Kofu, Tokyo, Toteyama and Utsunomiya, Honshu. Also felt (II JMA) at Kushiro, Nemuro and Obihiro, Hokkaido. Tsunami generated with maximum wave heights (peak-to-trough) of 46 cm. at Ofunato, 42 cm. at Miyako, 28 cm. at Aikawa and 24 cm. at Hachinohe.
JUL 20	07 46 46.7	78.562 N	5.523 E	10 G	5.7	6.3	1.5	249	SVALBARD REGION. Ms 6.5 (BRK). Mo=1.0*10**19 Nm (GS). Mo=1.3*10**19 Nm (HRV). Mo=2.5*10**19 Nm (PPT).
AUG 02	05 50 11.6	0.883 S	127.582 E	19 G	5.8	6.1	1.1	288	HALMAHERA, INDONESIA. Ms 6.6 (BRK). Mo=3.1*10**18 Nm (GS) Mo=2.6*10**18 Nm (HRV). Mo=1.3*10**19 Nm (PPT).
AUG 07	18 19 20.4	57.589 N	142.846 W	14 G	6.3	6.6	1.0	579	GULF OF ALASKA. ML 6.4 (AEIC). Ms 6.7 (BRK). Mo=2.2*10**19 Nm (GS). Mo=1.8*10**19 Nm (HRV). Mo=5.0*10**19 Nm (PPT). Felt strongly at Yakutat. Felt (V) at Fort Richardson; (IV) at Cooper Landing, Pelican and Whittier; (III) at Chitina, Chugiak, Cordova, Elfin Cove, Juneau, Kodiak, Larsen Bay, Moose Pass, Petersburg, Skagway and Skwentna; (II) at Anchorage. Felt throughout much of southern and southeastern Alaska. Also felt at Carcross and Whitehorse, Yukon Territory, Canada and at Pleasant Camp, British Columbia, Canada.
AUG 19	02 04 37.4	42.142 N	73.575 E	27 G	6.6	7.4	1.1	636	KYRGYZSTAN. Ms 7.5 (BRK). Mo=9.1*10**19 Nm (GS). Mo=7.7*10**19 Nm (HRV). Mo=5.0*10**19 Nm (PPT). An estimated 75 people killed, including 14 killed by landslides in Toluk. Several villages, including Toluk, were destroyed (IX) in the Susamyrtau Mountains and at least 8,200 dwellings were destroyed. Felt (VII) at Andizhan, Chimion and Namangan, Uzbekistan. Structural damage (VI) occurred to buildings at Bishkek, Kyrgyzstan. Felt (VI) at Angren, Fergana and Toshkent, Uzbekistan and at Osh, Kyrgyzstan. Also felt (VI) at Almo-Ata, Kazakhstan; (V) at Samarkand and Yangiyul, Uzbekistan and Khodzhent, Tajikistan; (IV) at Dushanbe, Kulyab, Nurek and Pendzhikent, Tajikistan and Naryn, Kyrgyzstan; (III) at Cholpon-Ata and Przhevalsk, Kyrgyzstan. Elevation changes of up to 4 meters observed in the Susamyr Valley. Liquefaction occurred in the epicentral area.
AUG 19	03 20 27.9	42.104 N	73.237 E	19 D	6.1	6.6	1.1	377	KYRGYZSTAN
AUG 28	00 50 50.4	29.087 N	66.740 E	9 D	5.5	5.5	1.3	299	PAKISTAN. Mo=2.6*10**17 Nm (HRV). At least four people killed, several injured and many houses destroyed in the Kalat area. Felt at Khuzdar, Manguchar, Mastung and Quetta.
AUG 28	18 18 46.4	0.965 S	13.562 W	16 G	6.3	7.0	1.0	578	NORTH OF ASCENSION ISLAND. Ms 7.1 (BRK). Mo=2.3*10**19 Nm (GS). Mo=2.0*10**19 Nm (HRV). Mo=5.0*10**19 Nm (PPT).

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
SEP 02	00 16 01.6	11.742 N	87.340 W	45 G	5.3	7.2	1.3	212	NEAR COAST OF NICARAGUA. Ms 7.4 (BRK). Mo=3.4*10**20 Nm (HRV). Mo=3.2*10**20 Nm (PPT). At least 116 people killed, more than 68 missing and over 13,500 left homeless in Nicaragua. At least 1,300 houses and 185 fishing boats were destroyed along the west coast of Nicaragua. Total damage in Nicaragua is estimated at between 20 and 30 million U S. dollars. Some damage was also reported in Costa Rica. Most of the casualties and damage were caused by a tsunami affecting the west coasts of Nicaragua and Costa Rica, reaching heights of up to 8 meters. The tsunami ran inland 1,000 meters at Masachapa, Nicaragua. Maximum wave heights (in cm. peak-to-trough) at selected tide stations were as follows: 111 at Baltra Island, 83 at Easter Island, 28 at Socorro Island, 18 at La Libertad, Ecuador, 10 at Valparaiso, Chile and 10 at Hilo, Hawaii. Felt in Chinandega and Leon Deportments, Nicaragua. Also felt at Crucero, Managua and San Marcos, Nicaragua and at San Jose, Costo Rica.
SEP 08	00 38 15.4	29.134 N	52.187 E	18 D	5.2	4.7	1.0	276	SOUTHERN IRAN. One person killed and 11 injured in the Firuzabad area. Also 200 houses and 3 bridges were destroyed and landslides blocked roads in the epicentral area. Damage reported at Bonu, Darenjan, Giah Zar and Meygoli. Felt at Kazerun and Shiraz.
SEP 11	03 57 26.5	6.087 S	26.651 E	11 G	6.7	6.5	1.0	642	ZAIRE. Ms 7.0 (BRK). Mo=4.9*10**18 Nm (GS). Mo=3.7*10**18 Nm (HRV). Mo=3.2*10**18 Nm (PPT). Eight people killed, 37 injured and several buildings destroyed at Kabalo. Felt at Bujumbura, Burundi.
SEP 26	22 15 57.5	1.289 N	129.118 E	28 D	5.9	6.5	1.2	270	HALMAHERA, INDONESIA. Mo=1.2*10**19 Nm (GS). Mo=8.2*10**18 Nm (HRV). Mo=3.2*10**19 Nm (PPT).
SEP 30	05 34 00.3	51.281 N	178.037 W	33 N	6.1	6.6	1.0	592	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.8 (PMR). Ms 6.8 (BRK). Mo=9.5*10**18 Nm (GS). Mo=9.5*10**18 Nm (HRV). Mo=2.0*10**19 Nm (PPT). Felt (V) on Adak ond (II) on Amchitka.
OCT 11	19 24 26.2	19.247 S	168.948 E	129 G	6.4	6.8	1.1	605	VANUATU ISLANDS. Ms 7.2 (BRK). Mo=5.3*10**19 Nm (GS). Mo=1.5*10**20 Nm (HRV). Mo=4.0*10**20 Nm (PPT). Felt (VIII) on Erromango and Tanna; (VI) at Port Vila.
OCT 12	13 09 55.5	29.778 N	31.144 E	22 G	5.9	5.3	1.2	527	EGYPT. MD 5.3 (HLW). Mo=5.0*10**17 Nm (GS). Mo=5.6*10**17 Nm (HRV). At leost 552 people killed, mare than 9,929 injured and 8,300 buildings damaged or destroyed in the Cairo area. Preliminary estimates of domage obout 300 million U.S. dollars. Felt in much af Egypt from Alexandria to Aswan and in Israel fram Elat to Tel Aviv and Jerusalem
OCT 15	22 37 05.9	14.537 S	166.711 E	25 D	6.2	6.7	1.4	524	VANUATU ISLANDS Ms 7.1 (BRK) Mo=1.6*10**19 Nm (GS). Mo=2.0*10**19 Nm (HRV) Mo=3.2*10**19 Nm (PPT).
OCT 17	02 51 50.9	19.226 S	169.553 E	12 G	5.8	6.3	1.3	334	VANUATU ISLANDS. Ms 7 0 (BRK). Mo=2.4*10**18 Nm (GS). Mo=5 8*10**18 Nm (HRV). Mo=7.9*10**18 Nm (PPT).
OCT 17	08 32 40.5	6 845 N	76 806 W	14 G	6.2	6.7	1.0	494	NORTHERN COLOMBIA. Ms 7.0 (BRK). Mo=7.7*10**18 Nm (GS). Mo=1.1*10**19 Nm (HRV). Mo=1.6*10**19 Nm (PPT). About 20 people injured ond 90 percent of the buildings destroyed ot Murindo. Felt throughout northwestern Colombio from Cali and Bogota to Cesar Department.
OCT 18	15 11 59.1	7 075 N	76 862 W	10 G	6.6	7.3	1.3	544	NORTHERN COLOMBIA. Ms 7.4 (BRK). Mo=8.4*10**19 Nm (GS). Mo=5.7*10**19 Nm (HRV). Mo=1.6*10**20 Nm (PPT). One person killed, 50 injured and damage in the Murindo-Apartado-Medellin area. At least 10 people killed, 65 injured and 1,500 homeless by the explasion of a mud volcano in the San Pedro de Uraba area. Slight damage at Bogota Felt in much of northwestern Colombia and as far south as Cali. Felt strongly in Darien Province, Panama. Also felt (IV) on the Azuero Peninsula and at Panama City, Panama. Felt at Caracas and Valencia, Venezuela. Also felt on Aruba Landslides occured in the epicentral oreo. Liquefaction was observed in the Murindo area and os far north os Apartado A small island emerged from the Caribbean Sea off San Juan de Uraba.
OCT 22	09 04 23.4	30.227 S	177.205 W	26 G	6.0	6.6	1.2	268	KERMADEC ISLANDS, NEW ZEALAND. Ms 7.2 (BRK). Mo=6.2*10**18 Nm (GS). Mo=7.8*10**18 Nm (HRV). Mo=1.3*10**19 Nm (PPT). Felt (IV) on Raoul Island.
OCT 22	17 39 00.6	29.755 N	31.535 E	10 G	4.5		0.8	31	EGYPT. MD 4.2 (HLW), 4.1 (RYD). Four people killed and at least 50 injured in the Cairo area.
OCT 22	23 08 27.1	30.125 S	177.000 W	16 G	5.7	6.4	1.1	254	KERMADEC ISLANDS, NEW ZEALAND. Ms 6.5 (BRK). Mo=6.5*10**18 Nm (GS). Mo=5.0*10**18 Nm (HRV). Mo=7.9*10**18 Nm (PPT).
OCT 23	09 11 09.0	31.355 N	4.318 W	29 D	5.3	5.2	1.1	316	MOROCCO. MD 5.2 (RBA). mbLg 5.0 (MDD). Mo=2.4*10**17 Nm (HRV). At least twa people killed at Rissani. Felt (VI) at Rissani and (V) at Erfaud. Felt throughaut much of Moracco fram Fes to Marrakech.
OCT 23	13 04 40.7	5.352 S	152.616 E	31 D	5.8	6.5	1.0	287	NEW BRITAIN REGION, P.N.G. Ms 7.0 (BRK). Mo=5.1*10**18 Nm (HRV). Mo=1.6*10**19 Nm (PPT) Felt (IV) at Rabaul.

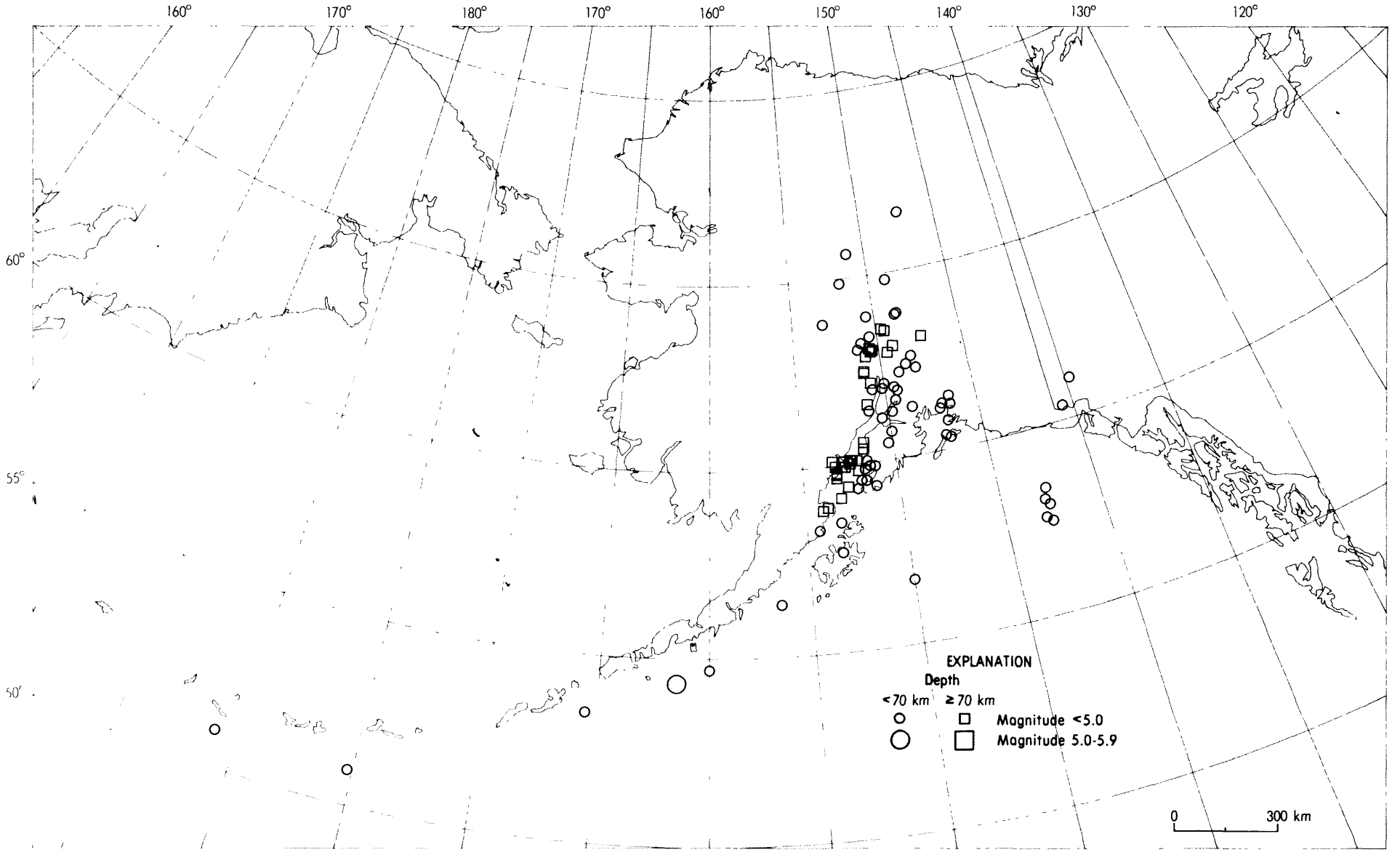
DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION. CONTRIBUTED MAGNITUDES AND COMMENTS
OCT 23	23 19 45.2	42.589 N	45.104 E	16 G	6.1	6.5	1.0	591	EASTERN CAUCASUS. Ms 6.8 (BRK). Mo=4.1*10**18 Nm (GS). Mo=4.9*10**18 Nm (HRV). Mo=7.3*10**18 Nm (OBN). At least one person killed, 10 injured and several houses damaged (VIII) in the Barisakho-Kazbegi area, Georgia Landslides reported in the epicentral area. Felt (VI) at Tskhinvali and Bakuriani; (V) at Tbilisi and Kutaisi, Georgia. Felt (V) at Groznyy and Vladikavkaz, (IV) at Sochi and Pyatigorsk, Russia. Also felt (IV) at Akstafa and Kazokh; (III) at Tauz and Tsey, Azerbaijan.
OCT 24	08 23 01.1	29.536 S	177.279 W	19 G	5.8	6.2	1.2	281	KERMADEC ISLANDS, NEW ZEALAND. Ms 6.6 (BRK). Mo=5.4*10**18 Nm (GS). Mo=8.7*10**18 Nm (HRV). Mo=1.3*10**19 Nm (PPT). Felt (IV) an Raoul Island.
NOV 02	15 13 25.8	46.727 N	8 328 E	0 G	4.2		1.2	108	SWITZERLAND. ML 4.0 (GRF), 3.8 (LDG), 3.5 (STR), 3.4 (ROM). MD 3.7 (VIE), 3.4 (LJU). Six people killed by the accidental explosion of an ammunitians cavern.
NOV 08	03 43 20.4	15.727 S	179.703 W	10	5.7	6.5	1.3	340	FIJI ISLANDS REGION. Ms 6.6 (BRK). Mo=8.3*10**18 Nm (GS). Mo=1.2*10**19 Nm (HRV). Felt in eastern Vanua Levu and on Taveuni.
NOV 21	22 39 32.9	56.665 S	26.405 W	20 G	5.9	6.6	1.1	235	SOUTH SANDWICH ISLANDS REGION. Mo=6.6*10**18 Nm (GS). Ma=7.9*10**18 Nm (HRV).
NOV 28	03 13 33.3	31.330 S	71.992 W	12 G	5.8	6.5	1.0	337	NEAR COAST OF CENTRAL CHILE. Mo=6.5*10**18 Nm (GS). Ma=5.6*10**18 Nm (HRV). Felt (V) at La Ligua, Las Andes, San Felipe, La Serena, Llaillay, Valparaiso and San Antonia; (III) at Santiaga and Rancagua; (II) at Capiapa. Felt (IV) at Mendoza, Argentina.
DEC 09	20 29 47.1	40.058 N	45.312 E	16 D	4.8	4.5	1.2	110	EASTERN CAUCASUS. Some houses destroyed (VII) in the Taratumb area; also damage at Karmrashen, Armenia. A landslide blacked 500 meters of highway in the epicentral area, Armenia. Felt (V) at Kelbodzhar, Yerevan and Abovyan, Armenia. Also felt in northwestern Iran.
DEC 12	05 29 26.3	8.480 S	121.896 E	28 G	6.5	7.5	1.4	457	FLORES REGION, INDONESIA. Ms 7.5 (BRK). Ma=1.4*10**20 Nm (GS). Mo=5.1*10**20 Nm (HRV) Mo=8.0*10**20 Nm (PPT). At least 2,500 people killed or missing in the Flores regian, including 1,490 at Maumere ond 700 on Babi. More than 500 peaple were injured and 90,000 were left hameless. Nineteen people killed ond 130 houses destroyed an Kalaotoa. Severe damage, with appraximately 90 percent af the buildings destrayed at Maumere by the earthquake and tsunami; 50 to 80 percent af the structures on Flores were damaged or destrayed. Damage also occurred an Sumba and Alor. The tsunami on Flores ran inland os much as 300 meters with wave heights of 25 meters Landslides and grou cracks were reported at several locations on the islond Felt (V) at Larantuka, Flores; (IV) at Waingapu, Sumba and Ujung Pondang, Sulawesi; (II) at Kupang, Timar.
DEC 18	11 21 44.7	26.357 N	100.872 E	30 *	5.0	4.7	1.4	83	YUNNAN, CHINA. One person killed, 45 injured and several houses damaged in Yongsheng County.
DEC 20	20 52 47.2	6.582 S	130.393 E	78 G	6.6	7.0	1.2	602	BANDA SEA. Ms 7.0 (BRK). Mo=5.0*10**19 Nm (GS). Mo=8.5*10**19 Nm (HRV). Mo=1.3*10**20 Nm (PPT). Felt in parts of northern Australia.

Other Notable North American Earthquakes

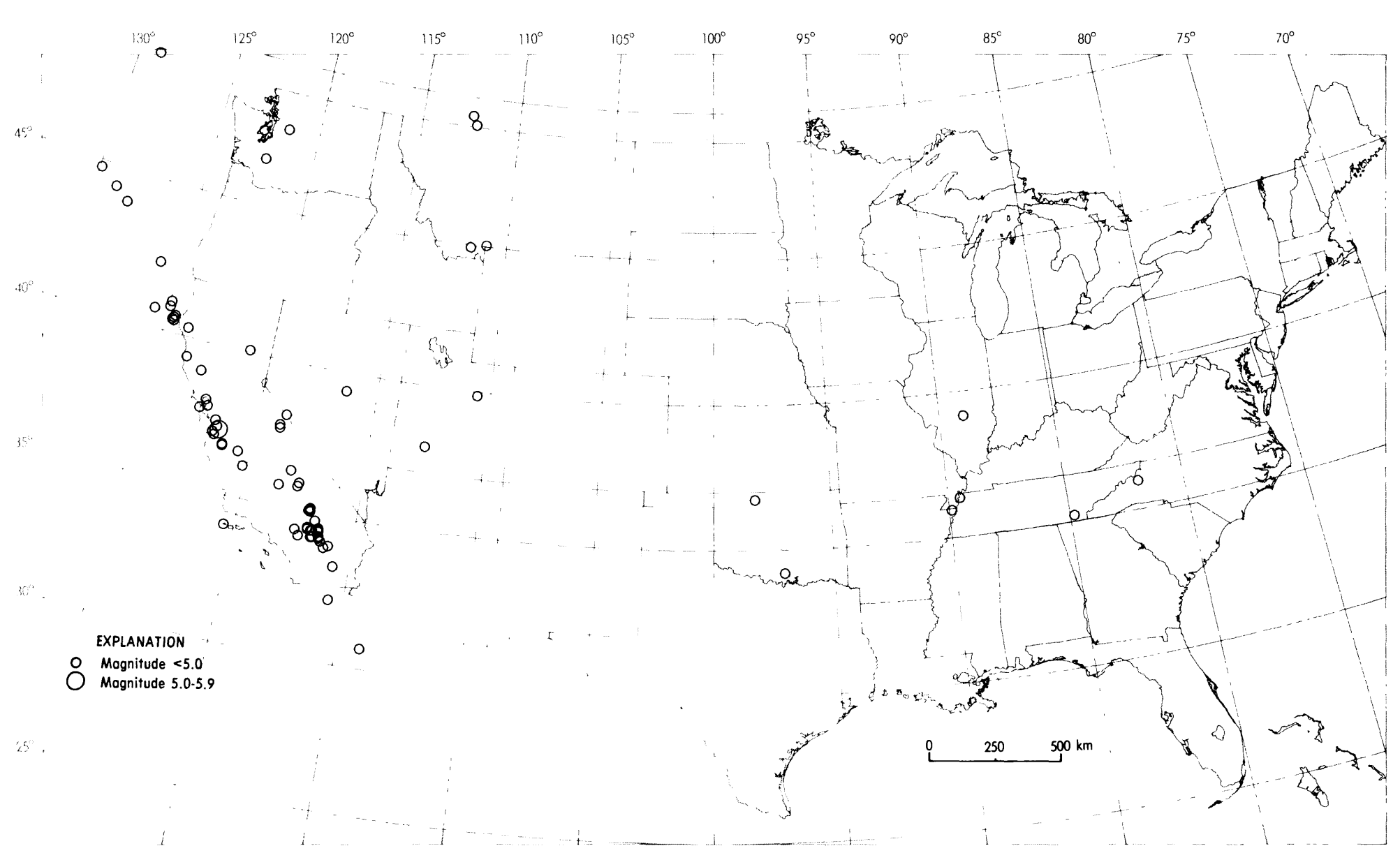
JUN 29	10 14 22.2	36.705 N	116.293 W	9	5.6	5.4	0.9	262	CALIFORNIA-NEVADA BORDER REGION. Ma=4.8*10**17 Nm (HRV). Mo=2.5*10**17 Nm (PPT). Department of Energy buildings at the Nevada Test Site sustained considerable domage. Minor damage occurred ot Beatty, Amargosa Volley and Mercury, Nevada. Felt at Las Vegas, Nevada.
JUL 05	21 18 27.1&	34.583 N	116.319 W	0	5.3	5.2		218	SOUTHERN CALIFORNIA. <PAS-P>. ML 5.4 (PAS). Slight damage (VI) ot Big Bear City. Felt (V) at Covina, Joshua Tree, La Quinta, Marango Valley, Newberry Springs, Palm Springs, Placentia, San Clemente, Tehachapi and Temecula. Felt in Imperial, Kern, Las Angeles, Orange, Riverside, San Bernardina and San Diega Counties. Alsa felt in parts of western Arizona.
SEP 02	10 26 20.9&	37.090 N	113.472 W	15	5.7	5.6		342	UTAH. <SLC-P>. ML 5.9 (SLC). Mo=3.3*10**17 Nm (HRV). Same damage (VI) at Cedar City, Hurricane, Konab, New Harmany, Santa Clara, Springdale, St. George, Toquerville, Virgin and Washingtan. The earthquake triggered a large landslide which destrayed three hauses at Springdale. Felt (V) at Glendale, Gunlack, Hatch, Kanarraville, La Verkin, Orderville, Panguitch and Rockville; (IV) at Altan, Beaver, Beryl, Brian Head, Bryce, Circleville, Enterprise, Escalante, Junctian, Milford, Minersville, Modena, Mt. Carmel, Newcastle, Parowan, Richfield and Tropic. Felt (V) at Fredonia and Grand Canyon, Arizona. Felt (IV) at Bunkerville, Caliente, Logandale, Ponoca and Pioche, Nevada. Also felt (IV) at Littlefield, Arizona. Felt throughout much of southwestern Utah, northwestern Arizona ond sautheastern Nevada as far north as Richfield, Utah and os far south as Flagstaff, Arizana. Felt west as far as Caliente and Pioche, Nevada and southwest to the Los Vegas, Nevada area.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
NOV 27	16 00 57.4&	34.340 N	116.900 W	2	5.1	4 8		151	SOUTHERN CALIFORNIA. <PAS-P>. ML 5.3 (PAS), 5.6 (BRK). Mo=4.3*10**17 Nm (BRK). Slight damage (VI) at Big Bear City. Felt (V) at Apple Valley, Blue Jay, Fawnskin, Fontana, Gardena, Hesperia, Indio, Lake Elsinore, Lo Quinta, Loma Linda, Oro Grande, Pioneertown, San Bernardino, South Pasadena and Yucaipa. Felt in Kern, Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura Counties. Felt as far as Nellis Air Force Base, Nevada.

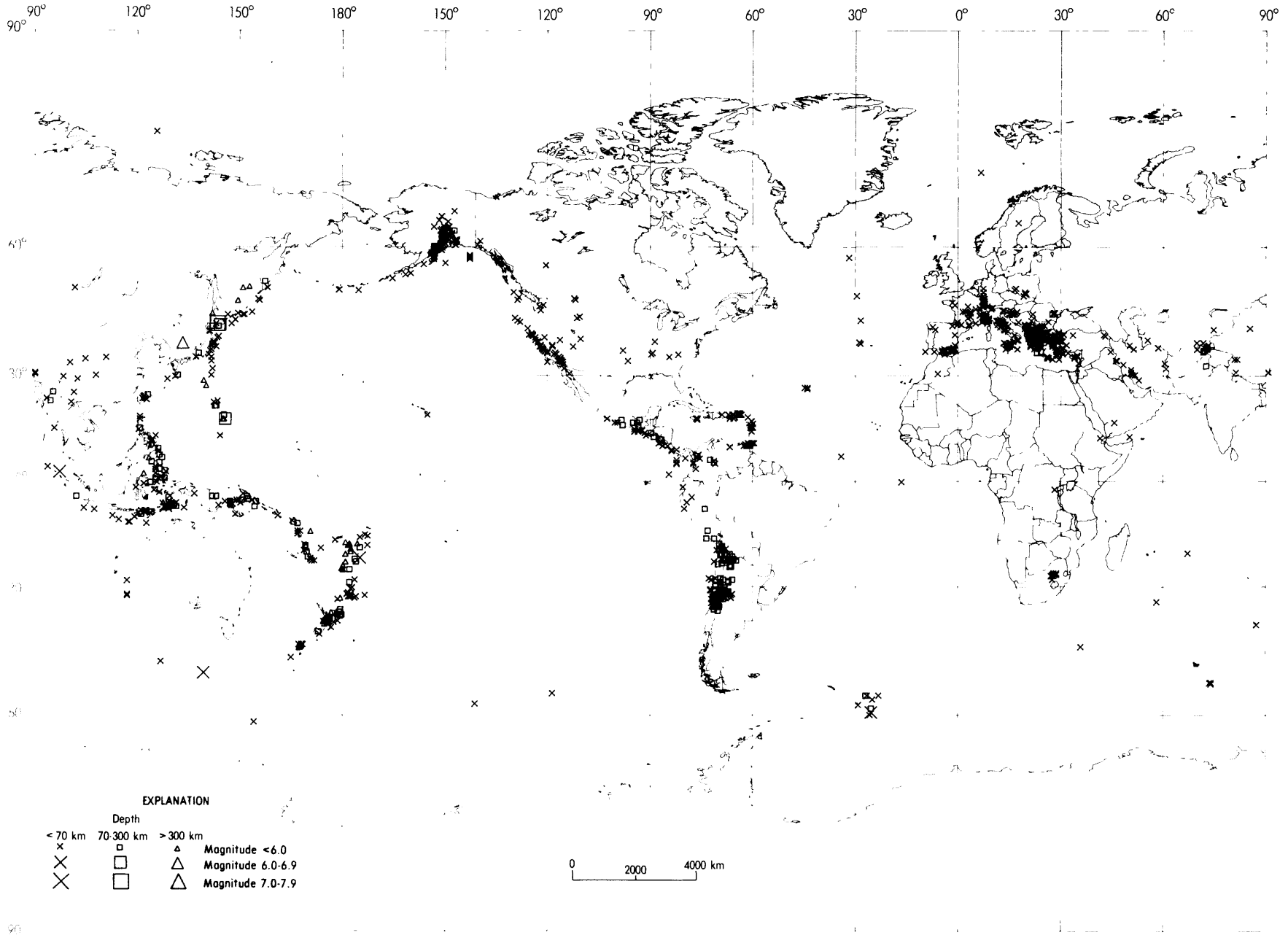
Compiled by Waverly J. Person



Earthquake epicenters in Alaska and adjacent regions for January, 1993.



Earthquake epicenters in the conterminous United States and adjacent regions for January, 1993.



Earthquakes located in January, 1993.

EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

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

Symbols and Abbreviations Used in Comments

AEIC Alaska Earthquake Information Center (U.S. Geological Survey and University of Alaska), College.
APT University of Connecticut.
BGS British Geological Survey, Edinburgh, United Kingdom.
BLA Virginia Polytechnic Institute and State University, Blacksburg.
BOU University of Colorado, Boulder.
BRK University of California, Berkeley.
BUT Montana Bureau of Mines and Geology, Butte.
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).
GM U.S. Geological Survey, Menlo Park, California.
GS U.S. Geological Survey, National Earthquake Information Service (NEIS), Golden, Colorado.
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.
OTT Geological Survey of Canada, Earth Physics Branch, Ottawa.
PAL Columbia University, Lamont-Doherty Geological Observatory, Palisades, New York.
PAR Institute de Physique du Globe, Universite Pierre et Marie Curie, Paris, France.
PAS California Institute of Technology, Pasadena.
PGC Pacific Geoscience Centre, Sidney, British Columbia, Canada
PMR Alaska Tsunami Warning Center, Palmer, Alaska.
PPT Laboratoire de Geophysique, Papeete, French Polynesia.
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	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Japanese (JMA), 1950	0	I	II	II–III	III	IV	IV–V	V	V–VI	VI	VII	VII
Rossi-Forel (RF), 1873	I	I–II	III	IV–V	V–VI	VI–VII	VIII–	VIII+ – IX	IX+	X	X	X
European (Mercalli-Cancani-Sieberg), 1917	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII

TRAVEL-TIME TABLES

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

MACROSEISMIC INFORMATION

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

GEOGRAPHIC REGIONS

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

DEPTHS FROM BROADBAND DISPLACEMENT SEISMOGRAMS

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

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

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

FAULT PLANE SOLUTIONS

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

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.

NEIS MAGNITUDES

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

w These moment magnitudes are computed from the scalar moment of the moment tensor using the Kanamori (1977) formula:

$$Mw = (2/3) \log Mo - 10.7$$

where Mo is the scalar moment of the best double couple in dyne-cm. Beginning with January, 1993, a moment magnitude is computed routinely from the USGS moment tensor and Harvard centroid moment tensor solutions.

s These surface wave magnitudes are computed from the IASPEI formula:

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

where:

A is the maximum ground amplitude in micrometers (microns) of the vertical component of the surface wave within the period range $1B \leq T \leq 22$.

T is the period in seconds.

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

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 IASPEI 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.

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

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

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

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

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

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

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.

L These local magnitudes are computed according to the formula:

$$ML = \log A - \log Ao$$

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

CONTRIBUTED MAGNITUDES

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

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

REFERENCES

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

omori, H., 1977, The energy release in great earthquakes: Journal of Geophysical Research, v. 82, pp. 2981–2987.

tli, O. W., 1973, Seismic wave attenuation and magnitude relations for eastern North America: Journal of Geophysical Research, v. 7B, no. 5, p. 876–885.

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

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

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

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

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

These solutions have been determined using the long period body and mantle wave moment tensor inversion method described by Dziewonski, et.al (1981) considering corrections due to an aspherical earth structure of model SH8/U4L8 (Dziewonski and Woodward, 1991).

1. DATA USED; currently GDSN, GSN and IDA/IRIS data are used. The numbers following the entries L.P.B. and M.W. indicate the number of stations (S) and total number of records (C) for the long-period body waves and mantle waves, respectively. 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; 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 strike, dip, and slip angles are defined using the convention of Aki and Richards (1980, p. 106) and are the angles designated there as ϕ_s, δ, λ, respectively.

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

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

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

Dziewonski, A. M and Woodward, R.L., 1991, Acoustic imaging at the planetary scale, in Acoustical Imaging, Vol. 19, E. Ermert and H.-P. Harjes, eds., Plenum Press (in press).

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

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(CD_), where C is the maximum peak-to-peak amplitude in mm, D is the duration in seconds from the time of the S-wave onset to the last time that the peak-to-peak amplitude exceeds C/3, and _ 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 mantle Rayleigh and Love waves using the method of Talandier, Reymond and Okal (1987 and 1990).

   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.

   Okal, E.A., and Talandier, J. 1990, Mm: Extension to Love Waves of the Concept of a Variable-Period Mantle Magnitude: Pure and Applied Geophysics, v. 134, p. 355-384.

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U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

FEBRUARY 1993

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	26	01.1%	42.869	N	18.311	E	10	G			0.2	9	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
	01	00	27	51.0•	22.912	S	71.285	W	10	G	4.1		1.0	10	OFF COAST OF NORTHERN CHILE
	01	01	22	35.0?	35.62	S	178.10	E	288	•	4.4		0.8	27	OFF E. COAST OF N. ISLAND, N.Z.
	01	02	47	48.5•	4.137	S	136.391	E	64	?	4.7		0.5	9	IRIAN JAYA REGION, INDONESIA
	01	02	58	15.5	44.102	N	6.937	E	10	G			0.4	18	FRANCE. ML 2.0 (STR).
	01	03	09	42.0	52.116	N	172.561	E	33	N	4.9		1.1	128	NEAR ISLANDS, ALEUTIAN ISLANDS
	01	03	11	32.6	49.149	N	6.917	E	10	G			1.1	17	GERMANY. ML 2.7 (STR). MD 2.4 (UCC).
	01	03	18	42.5	52.058	N	172.602	E	33	N	4.8		0.9	88	NEAR ISLANDS, ALEUTIAN ISLANDS
	01	03	19	41.8&	60.463	N	152.725	W	114					47	SOUTHERN ALASKA. <AEIC>.
	01	04	17	57.1•	37.563	N	20.747	E	10	G			1.2	10	IONIAN SEA. ML 3.4 (ATH).
	01	04	19	47.2•	31.586	S	67.947	W	33	N			1.3	5	SAN JUAN PROVINCE, ARGENTINA
	01	04	20	07.6•	17.469	N	61.837	W	14	•			0.9	6	LEEWARD ISLANDS. ML 3.3 (FDF). MD 3.3 (TRN).
	01	04	22	20.0?	8.85	N	76.37	W	10	G			1.2	5	NEAR NORTH COAST OF COLOMBIA. MD 4.2 (UPA).
	01	05	12	03.2	44.830	N	15.130	E	17				1.4	44	NORTHWESTERN BALKAN REGION. ML 3.5 (ZAG), 3.4 (LDG). MD 3.6 (LJU), 3.3 (TRI). Felt in the Otocac area, Croatia.
	01	06	01	39.7&	34.237	N	116.804	W	2					14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3 2 (PAS), 3.0 (GS). Felt.
	01	06	29	19.5&	37.908	N	122.282	W	6					13	CENTRAL CALIFORNIA. <GM-P> MD 2.1 (GM). ML 2.4 (BRK). Felt by many people in the epicentral area. Felt at Berkeley and Kensington.
	01	07	17	39.7&	34.988	N	116.948	W	5					14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.8 (GS).
	01	08	00	11.5?	18.84	N	67.55	W	10	G			0.6	7	MONA PASSAGE
	01	08	38	10.3	54.570	N	161.426	E	34	D	5.3	4.6	0.9	293	NEAR EAST COAST OF KAMCHATKA
	01	09	17	01.2	44.109	N	19.439	E	5	G			1.0	50	NORTHWESTERN BALKAN REGION. ML 3.6 (TTG), 3.5 (VIE). Felt (V) in the Bajina Basta area, Yugoslavia.
	01	09	33	07 8&	64.363	N	147.333	W	0					25	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC). Felt in the Fairbanks area.
	01	09	45	39.2	42.072	N	143.116	E	66		4.5		1.3	47	HOKKAIDO, JAPAN REGION
	01	09	50	01.5%	31.274	S	68.284	W	10	G			1.0	6	SAN JUAN PROVINCE, ARGENTINA
	01	10	37	54.1	37.355	N	69.037	E	33	N	4.5		1.3	22	AFGHANISTAN-TAJIKISTAN BORD REG.
	01	11	08	52.4?	30.82	S	117.10	E	10	G			0.7	4	WESTERN AUSTRALIA
	01	11	50	34.5	25.990	N	101.203	E	10	G	4.5		1.4	29	YUNNAN, CHINA. ML 4.5 (BJI).
	01	14	16	08.0•	54.573	N	161.576	E	33	N	4.5		0.7	13	NEAR EAST COAST OF KAMCHATKA
	01	15	07	08.6%	39.072	N	27.691	E	10	G			0.2	6	TURKEY. MD 2.7 (ISK).
	01	15	26	56.1%	41.157	N	29.046	E	10	G			1.0	8	TURKEY. MD 2.7 (ISK). Felt at Istanbul.
	01	15	34	48.1•	14.830	N	60.323	W	33	N			0.4	7	WINDWARD ISLANDS. MD 3 3 (TRN).
	01	16	04	08.9•	7.625	N	76.407	W	33	N	4.2		1.4	10	NORTHERN COLOMBIA
	01	16	04	59.4	43.423	N	5.410	E	10	G			1.0	15	NEAR SOUTH COAST OF FRANCE. ML 2.8 (STR).
	01	16	39	56.5%	38.926	S	174.829	E	269	•			0.4	19	NORTH ISLAND, NEW ZEALAND
	01	16	43	06.2	6.623	S	130.478	E	68	•	4.7		0.9	46	BANDA SEA
	01	18	54	49.2	7.853	S	74.373	W	156	•	4.6		0.8	37	PERU-BRAZIL BORDER REGION
	01	19	52	03.2	42.050	N	142.517	E	78		4 8		1.0	13	HOKKAIDO, JAPAN REGION
	01	20	14	59.4	17.467	N	61.773	W	12				0.7	16	LEEWARD ISLANDS. ML 3.5 (FDF). MD 3.6 (TRN).
	01	20	25	02.3&	60.060	N	152.613	W	101		2.9			51	SOUTHERN ALASKA. <AEIC>.
	01	20	39	31.9%	38.014	N	14.172	E	10	G			0.8	8	SICILY
	01	21	33	11.3%	33.210	S	71.302	W	60	?			0.2	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	01	21	39	47.6	10.943	N	93.741	E	164	•	4.2		0.8	31	ANDAMAN ISLANDS, INDIA
	01	22	12	05.9•	36.173	N	7.734	W	10	G	3.2		1.3	14	STRAIT OF GIBRALTAR. MD 3.2 (RBA). mbLg 3.1 (MDD).
	01	22	41	06.2	33.255	N	46.517	E	89		4.7		0.6	21	IRAN-IRAQ BORDER REGION. Felt at Mehran and Dehloran, Iran.
	01	22	42	35.1•	5.621	N	82.735	W	10	G	4 2		0.7	7	SOUTH OF PANAMA. MD 4.1 (UPA).
	01	23	11	58.6•	7.442	S	127.715	E	157	•	4.9		0 4	18	BANDA SEA
	02	00	48	29.0•	5.387	N	82.916	W	10	G	4 6		1.2	13	SOUTH OF PANAMA. MD 4.3 (UPA).
	02	03	59	11.5%	38.498	N	30.849	E	10	G			1.0	6	TURKEY. MD 3.2 (ISK).
	02	05	15	02.7%	33.117	S	70.676	W	72	?			0.6	11	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	02	07	35	10.3&	59.083	N	152.328	W	78		4.5			158	SOUTHERN ALASKA. <AEIC>. Felt (III) at Port Graham.
	02	07	43	44.3?	31.36	S	68.49	W	100	G			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	02	07	46	35.3?	40.07	N	24.92	E	33	N			1.3	6	AEGEAN SEA

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	02	08	14	39.8%	44.585	N	7.224	E	14			0.4	9	NORTHERN ITALY. ML 2.1 (GEN).
	02	08	37	06.3	33.223	S	69.765	W	10	G		1.0	15	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	02	10	33	03.4%	38.928	N	27.681	E	10	G		0.7	5	TURKEY. MD 2.8 (ISK).
	02	10	33	44.7%	39.128	N	27 319	E	10	G		0.5	6	TURKEY. MD 3.1 (ISK).
	02	12	06	23.1%	39.054	N	27.745	E	10	G		0.6	5	TURKEY. MD 2.7 (ISK).
	02	13	56	24.2*	1.592	S	81.955	W	33	N	5.0	1.0	21	OFF COAST OF ECUADOR
	02	16	05	14.1	42.219	N	86.132	E	33	D	5.7	0.9	408	NORTHERN XINJIANG, CHINA. Some damage in Hejing County.
	02	16	16	47.7*	6.178	S	147.443	E	75	*	4.7	1.5	21	EASTERN NEW GUINEA REG., P.N.G.
a	02	17	14	34.1*	29.586	S	176.792	W	33	N	5.1 4.9	1.3	57	KERMADEC ISLANDS REGION. Mw 5.4 (HRV). Felt (IV) on Raoul Island.
o	02	18	17	47.3	29.726	S	176.870	W	43	D	5.3 5.4	1.3	100	KERMADEC ISLANDS REGION. Mw 5.6 (HRV). Ms 5.6 (BRK). Felt (IV) on Raoul Island.
	02	18	56	20.5?	40.81	N	27.95	E	10	G		0.5	4	TURKEY. MD 2.5 (ISK).
	02	19	37	15.3?	40.94	N	24.70	E	10	G		0.2	5	AEGEAN SEA
	02	20	21	47.1*	32.155	S	72.025	W	42	*	4.8	1.1	26	OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	02	21	25	53.8	38.204	N	22.796	E	30			0.7	15	GREECE. ML 3.0 (ATH).
	02	21	34	21.0	32.227	S	71.019	W	89	*	4.4	1.1	29	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN). Felt (V) at La Ligua, Papudo and Quintero; (IV) at Valparaiso, Quillota and San Felipe; (III) at Santiago and San Antonio.
	02	21	37	23.8%	42.806	N	12.541	E	10	G		1.4	6	CENTRAL ITALY
	02	22	19	00.9%	41.790	N	13.985	E	10	G		0.8	5	SOUTHERN ITALY
	02	23	53	10.4?	32.08	S	179.16	W	488	?	4.5	1.1	22	SOUTH OF KERMADEC ISLANDS
	03	01	13	04.5	38.160	N	22.662	E	10	G		0.4	9	GREECE. ML 3.2 (ATH).
	03	02	13	16.8%	39.136	N	22.457	E	10	G		0.6	9	GREECE
a	03	03	24	28.4	18.785	N	145.391	E	245		5.0	1.2	217	MARIANA ISLANDS. Mw 5 7 (HRV). Felt lightly on Saipan.
	03	03	55	19.0	34.155	N	26.173	E	32	*	4.3	1.3	93	CRETE. ML 4.3 (ATH)
	03	04	04	14.9?	23.88	S	178.95	W	563	?	4.7	0.8	22	SOUTH OF FIJI ISLANDS
a	03	04	36	06.5*	41.841	S	88.058	E	10	G	4.9 5.3	1.2	28	SOUTHEAST INDIAN RIDGE. Mw 5.4 (HRV).
	03	05	38	52.9*	26.338	S	71.125	W	26	*	3.8	1.2	15	OFF COAST OF NORTHERN CHILE
	03	06	10	28.5	49.149	N	6.931	E	10	G		1.1	13	GERMANY. ML 2.5 (STR).
	03	06	38	54.0%	40.570	N	23.363	E	10	G		0.6	8	GREECE
	03	08	36	57.8&	50.600	N	130.436	W	10	G			29	VANCOUVER ISLAND REGION <PGC-P>. ML 3.7 (PGC).
	03	08	44	17.0*	38.386	N	26.840	E	10	G		1.0	7	AEGEAN SEA MD 3.3 (ISK).
	03	08	52	41.3?	41.38	N	23.25	E	10	G		0.2	4	GREECE-BULGARIA BORDER REGION
	03	12	02	02.0*	32.245	S	70.190	W	154	?		0.6	13	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	03	12	27	01.9	33.590	S	68.092	W	10	G		0.9	18	MENDOZA PROVINCE, ARGENTINA MD 4.1 (SAN).
	03	14	09	59.5*	31.694	N	131 908	E	33	N	4 0	1.3	7	KYUSHU, JAPAN
	03	14	27	18.5&	37.472	N	118.851	W	12				20	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK).
	03	14	40	05.5%	33.115	S	68.094	W	33	N		0 6	7	MENDOZA PROVINCE, ARGENTINA
	03	15	04	38.2	39.702	N	143.675	E	33	N		0.5	14	OFF EAST COAST OF HONSHU, JAPAN
	03	15	19	11.4?	39.08	N	27.65	E	10	G		0.7	4	TURKEY. MD 2.7 (ISK).
a	03	15	20	18.0	6.085	N	125.915	E	145	D	5.3	1.0	156	MINDANAO, PHILIPPINE ISLANDS. Mw 5.3 (HRV).
	03	15	32	55.2*	11.405	N	87.087	W	33	N	4 8	1.1	25	NEAR COAST OF NICARAGUA
	03	16	18	21.0*	38.204	N	26.670	E	10	G		0.4	8	AEGEAN SEA. MD 3 3 (ISK).
o	03	16	51	46.3	13.619	N	123.072	E	18	D	5.4 5.3	1.2	142	LUZON, PHILIPPINE ISLANDS. Mw 5.6 (HRV). Felt in the Manila area.
	03	16	58	34.6?	32.48	S	71.66	W	10	G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	03	17	41	39.5&	46.867	N	112.382	W	23				9	MONTANA. <BUT>. ML 3.1 (BUT).
	03	17	53	27.5	44.876	N	5.467	E	10			1.0	24	FRANCE. ML 2.9 (LDG), 2.9 (STR).
	03	17	54	41.0*	3.010	S	127.004	E	10	G	4.5	1.1	10	SERAM, INDONESIA
	03	18	20	37.3*	5.909	N	77.690	W	10	G	4.1	1.4	7	NEAR WEST COAST OF COLOMBIA. MD 4 3 (UPA).
	03	19	04	22.2%	31.545	S	68.071	W	29	*		0.7	7	SAN JUAN PROVINCE, ARGENTINA
	03	20	25	35.5&	59.852	N	152.179	W	62		3.2		61	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC).
	03	22	16	12.7?	43.52	N	12.20	E	10	G		0.8	5	CENTRAL ITALY
	03	22	45	03.6%	37.895	S	176.086	E	235	?		0.5	24	NORTH ISLAND, NEW ZEALAND
	03	22	45	46.5*	13.122	N	142.291	E	33	N	4.9	1.2	9	SOUTH OF MARIANA ISLANDS
	03	23	12	42.7*	18.236	N	97.525	W	57	*	4.0	1.2	26	CENTRAL MEXICO
	04	00	23	35.5&	60.025	N	153.525	W	139				51	SOUTHERN ALASKA. <AEIC>.
	04	00	29	37.1*	36.822	N	30.038	E	33	N		0.7	8	TURKEY. MD 3.6 (ISK).
	04	00	37	29.9?	2.90	S	126.99	E	33	N	4.0	0.4	8	CERAM SEA
	04	01	07	08.8*	12.444	N	141.860	E	27	D	5.1 4.3	1.0	13	SOUTH OF MARIANA ISLANDS
	04	01	27	52.6%	33.218	S	70.421	W	94	?		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	04	02	22	57.1	38.242	N	22.668	E	32		5.0 4.7	1.3	281	GREECE. ML 4 6 (ATH), 4.6 (TTG). Felt in parts of Attiki, Korinthia and Voiotia Provinces.
	04	02	48	31.8?	37.99	N	22.68	E	10	G		0.4	8	SOUTHERN GREECE
	04	03	07	57.0?	30.44	S	70.57	W	120	G		0.1	5	CHILE-ARGENTINA BORDER REGION
	04	03	17	56.3&	59.710	N	153.889	W	133				32	SOUTHERN ALASKA. <AEIC>.
	04	03	23	22.7*	23.048	N	94.428	E	134	?	3.7	0.7	8	MYANMAR-INDIA BORDER REGION
	04	03	47	48.3*	11.257	S	162.333	E	35	*	4.8	0.8	11	SOLOMON ISLANDS
	04	04	23	42.6*	3.719	S	128.174	E	126	*	4.9	1.1	33	SERAM, INDONESIA. Felt (II) at Ambon.
	04	04	55	23.5%	40.887	N	22.998	E	10	G		0.4	5	GREECE
	04	04	57	47.6*	45.063	S	167.323	E	153			0.2	15	SOUTH ISLAND, NEW ZEALAND
	04	05	37	34.1	38.201	N	22.763	E	19		3.7	1.0	31	GREECE. ML 3.6 (ATH).
	04	06	14	15.3*	35.955	N	112.226	W	5	G		0.7	7	WESTERN ARIZONA. ML 2.4 (GS). Foreshock.
	04	06	18	18.0	35.964	N	112.225	W	5	G		0.6	22	WESTERN ARIZONA. ML 3.6 (GS). Felt (IV) at Grand Canyon.
	04	06	42	49.4	38.158	N	22.742	E	10	G		1.1	9	GREECE. ML 2.9 (ATH).
	04	06	48	26.2*	38.202	N	22.633	E	10	G		0.7	6	GREECE. ML 2.8 (ATH).
	04	06	55	55.9%	40.595	S	174.601	E	95	*		1.0	25	COOK STRAIT, NEW ZEALAND
	04	07	01	04.5*	31.724	S	71.831	W	10	G		0.9	20	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	04	07	16	05.7	38.209	N	22.789	E	33	N		0.8	12	GREECE. ML 2.8 (ATH).
	04	08	02	54.9?	38.71	N	21.77	E	10	G		0.4	8	GREECE
	04	08	03	34.7*	10.024	N	126.285	E	59	?	4.6 4.4	1.4	22	PHILIPPINE ISLANDS REGION
	04	10	01	00.3*	38.181	N	27.056	E	10	G		1.0	8	TURKEY. MD 3.2 (ISK). Felt at Izmir.
	04	10	05	54.6*	37.879	N	27.181	E	10	G		0.8	10	TURKEY. MD 3.3 (ISK). Felt at Izmir.
	04	10	16	00.7%	38.173	N	27.092	E	10	G		1.0	8	TURKEY. MD 3.2 (ISK).
	04	10	18	38.8	40.530	N	30.148	E	10	G		1.0	12	TURKEY. MD 3.3 (ISK). Felt at Adopazari.
	04	10	21	35.0%	39.120	N	27.582	E	10	G		0.8	5	TURKEY. MD 2.7 (ISK).
	04	10	30	37.1%	39.097	N	27.624	E	10	G		0.6	5	TURKEY. MD 2.7 (ISK).
	04	10	45	44.8	43.096	N	0.615	W	5	G		0.2	10	PYRENEES. ML 1.0 (STR).
	04	11	00	55.9*	9.113	S	109.670	W	10	G	4 6 4.7	1.5	22	CENTRAL EAST PACIFIC RISE

	04	11	20	43.0	38.213	N	22.694	E	13				1.1	12	GREECE. ML 3.0 (ATH).
	04	11	41	27.4%	39.140	N	27.641	E	10	G			0.1	5	TURKEY. MD 2.6 (ISK).
	04	12	31	22.8	34.001	S	179.636	E	363	*	4.3		1.0	29	SOUTH OF KERMADEC ISLANDS
	04	13	09	18.2?	7.90	S	134.22	E	33	N	4.7		1.0	6	ARU ISLANDS REGION, INDONESIA
	04	13	30	49.4*	9.951	N	126.420	E	57	*	4.7	4.3	1.2	29	MINDANAO, PHILIPPINE ISLANDS
	04	13	45	53.4*	31.685	S	69.795	W	165	?			0.5	14	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
	04	14	14	39.7	37.859	N	26.956	E	10	G			0.7	11	DODECANESE ISLANDS. MD 3.5 (ISK).
	04	14	28	23.0%	39.069	N	27.645	E	10	G			0.4	6	TURKEY. MD 2.7 (ISK).
	04	14	43	12.9	42.964	N	144.179	E	99		4.9		0.9	142	HOKKAIDO, JAPAN REGION
	04	14	48	30.6%	43.809	N	11.906	E	10	G			1.1	10	CENTRAL ITALY. MD 2.4 (FIR).
	04	14	56	44.1	10.007	N	126.367	E	47	*	4.9	4.4	1.1	57	PHILIPPINE ISLANDS REGION
	04	15	20	26.1	12.495	N	142.033	E	67	*	4.9		0.7	32	SOUTH OF MARIANA ISLANDS
	04	15	31	04.1	12.401	N	142.090	E	76	*	4.8		1.1	32	SOUTH OF MARIANA ISLANDS
	04	16	24	40.7&	62.743	N	149.530	W	69					37	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
a	04	16	28	32.3	12.495	N	141.923	E	27	D	5.7	5.2	1.1	153	SOUTH OF MARIANA ISLANDS. Mw 5.5 (HRV).
	04	17	02	10.7*	12.474	N	141.498	E	33	N	4.5		1.3	7	SOUTH OF MARIANA ISLANDS
	04	17	52	28.5?	14.56	S	167.27	E	33	N	4.4		1.1	6	VANUATU ISLANDS
a	04	18	04	28.0	1.286	S	24.277	W	10	G	5.0	5.0	1.3	66	CENTRAL MID-ATLANTIC RIDGE. Mw 5.5 (HRV).
	04	18	28	44.2*	40 236	N	36.849	E	10	G			1.4	8	TURKEY MD 3.9 (ISK).
	04	19	41	32.3	24.909	N	62.855	E	26	D	5.1	4.8	1.1	192	OFF COAST OF PAKISTAN. Felt along the coast of southwestern Pakistan.
	04	20	49	02.3	40.669	N	22.721	E	10	G			0.2	7	GREECE
	04	21	49	45.6*	38.127	N	22.650	E	10	G			1.5	5	GREECE. ML 2.8 (ATH).
	04	21	55	52.8*	42.904	N	18.262	E	10	G			0.5	9	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
	04	21	57	47.2%	13.531	N	123.067	E	33	N			1.5	5	LUZON, PHILIPPINE ISLANDS
	04	22	04	38.9*	50.397	N	7.613	E	10	G			0.8	6	GERMANY. ML 2.2 (LDG).
	04	23	53	00.9	38.274	N	22.114	E	10	G			0.9	8	GREECE. ML 3.0 (ATH).
	05	00	43	11.0%	33.546	S	71.989	W	13				0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	05	01	21	27.5&	58.009	N	155.007	W	65		3.7			76	ALASKA PENINSULA. <AEIC>. ML 3.6 (AEIC).
	05	02	06	01.4&	34.025	N	117.584	W	4					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS). Felt.
	05	03	18	49.4%	40.833	N	22.786	E	10	G			0.1	5	GREECE
	05	03	59	13.0%	40.840	N	27.678	E	10	G			0.9	5	TURKEY. MD 2.6 (ISK).
	05	05	43.9?	37.65	S	179.06	W	10	G				0.7	12	EAST OF NORTH ISLAND, N.Z.
	05	05	13	12.0?	32.23	S	70.25	W	100	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	05	05	36	07.7&	63.067	N	150.841	W	128					58	CENTRAL ALASKA. <AEIC>.
	05	05	55	59.4*	16.538	N	120.827	E	10	G	4.3		1.4	7	LUZON, PHILIPPINE ISLANDS
	05	06	00	19.6*	15.143	N	88.256	W	140	D	4.6		1.4	26	HONDURAS
a	05	06	37	23.7	12.542	N	141.985	E	50	D	5.2		1.1	95	SOUTH OF MARIANA ISLANDS Mw 5 5 (HRV).
a	05	07	15	21.1	12.573	N	141.882	E	28	D	5.7	5.7	1.1	185	SOUTH OF MARIANA ISLANDS. Mw 5.9 (HRV).
	05	07	26	40.8	12.561	N	141.728	E	21	D	5	2	1.2	37	SOUTH OF MARIANA ISLANDS
	05	07	32	53.0	11.628	S	166.329	E	51	D	5.2		1.0	96	SANTA CRUZ ISLANDS
	05	08	40	53.8%	43.693	N	10.589	E	10	G			0.8	5	CENTRAL ITALY
	05	09	14	22.4%	39.104	N	27.587	E	10	G			0.9	6	TURKEY. MD 2.8 (ISK).
	05	09	52	48.3*	13.512	N	123.062	E	24	D	4.6	4.2	1.2	13	LUZON, PHILIPPINE ISLANDS
	05	09	53	36.7*	49.182	N	6.988	E	10	G			1.2	6	GERMANY
	05	09	54	17.3?	39.11	N	27.54	E	10	G			0.5	4	TURKEY. MD 2.6 (ISK).
	05	09	55	57.5*	39.598	N	20.682	E	10	G			1.3	10	GREECE-ALBANIA BORDER REGION
	05	09	59	15.5&	62.671	N	149.642	W	72					44	CENTRAL ALASKA. <AEIC>.
	05	10	12	51.9?	37.93	N	31.41	E	10	G			1.2	6	TURKEY. MD 3.2 (ISK)
	05	10	27	12.4*	19.984	N	120.921	E	79	*	4.2		1.3	15	PHILIPPINE ISLANDS REGION
	05	10	39	14.4*	57.733	S	29.511	W	33	N	4.8	4.9	1.1	17	SOUTH SANDWICH ISLANDS REGION
	05	11	24	21.8%	39.409	N	16.867	E	10	G			1.4	6	SOUTHERN ITALY
	05	11	58	15.2*	41.587	N	22.020	E	10	G			0.5	6	NORTHWESTERN BALKAN REGION. ML 2.1 (SKO).
	05	12	10	44.2?	36.30	N	3.09	W	10	G			1.4	6	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
	05	12	29	44.6?	30.42	S	116.83	E	10	G			0.4	4	WESTERN AUSTRALIA
	05	12	35	12.8*	38.338	N	26.820	E	10	G			0.3	6	AEGEAN SEA. MD 3.1 (ISK).
	05	13	17	49.4?	36.88	S	176.64	E	301	?			0.5	21	OFF E. COAST OF N. ISLAND, N Z.
	05	13	28	26.3?	57.59	S	29.13	W	33	N	4.9		1.4	16	SOUTH SANDWICH ISLANDS REGION
	05	13	42	38.1?	42.42	N	24.13	E	10	G			0.5	8	BULGARIA
	05	13	54	41.3*	23.706	N	108.101	E	10	G			1.3	9	SOUTHEASTERN CHINA ML 4.0 (BJI).
	05	14	04	55.0?	13.79	N	122.57	E	33	N	4.4		1.0	6	LUZON, PHILIPPINE ISLANDS
	05	14	17	29.7	2.468	N	128.349	E	202	*	4.6		0.4	18	HALMAHERA, INDONESIA
	05	14	32	23.5	38.703	N	67.121	E	33	N	4.4		1.4	25	SOUTHEASTERN UZBEKISTAN
	05	15	41	17.4%	40.499	N	29.247	E	10	G			0.7	9	TURKEY. MD 2.8 (ISK).
	05	17	10	25.0	39.240	N	119.547	W	5	G			0.8	30	NEVADA. ML 3.6 (GS), 3.9 (BRK). Felt (III) at Carson City and (II) at Reno.
	05	17	54	44 0	37.105	N	141.238	E	58		4.7		1.1	83	NEAR EAST COAST OF HONSHU, JAPAN
	05	18	32	04 6*	31 922	N	131.243	E	10	G	3.9		1.2	7	KYUSHU, JAPAN
	05	20	49	27.0*	12.036	S	166.353	E	73	*	5.1		0.9	23	SANTA CRUZ ISLANDS
	05	21	25	03.9	42.866	N	144.003	E	95	D	4.5		0.9	46	HOKKAIDO, JAPAN REGION
	05	21	31	35 8	6 630	S	154.832	E	72	*	4.9		0.9	21	SOLOMON ISLANDS
	05	22	34	38.6*	38.392	N	29.276	W	10	G	4.3		1.0	17	AZORES ISLANDS. Felt (IV) at Capela, Praia da Narte and Ribeira da Caba; (III) at Castelo Branco, Horta, Ribeirinha and Salaa, Faial. Felt (II) throughout the western part of Pica.
	05	22	57	23.5	29.248	N	100.779	E	10	G	3.9		0.7	9	SICHUAN, CHINA. ML 3.6 (BJI).
	05	23	00	32.7	43.415	N	5.414	E	10	G			0.9	17	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
	05	23	49	50.6&	60.129	N	140.909	W	9					26	SOUTHEASTERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PGC).
	06	00	54	28.1*	43.806	N	128.345	W	10	G	3.9		1.0	19	OFF COAST OF OREGON
	06	01	03	04.7	39.474	N	16.792	E	33	N			1.4	13	SOUTHERN ITALY
	06	01	05	43.7	31.177	N	141.734	E	35	D	4.6		1.0	33	SOUTH OF HONSHU, JAPAN
	06	01	14	08.2	41.257	N	19.627	E	10	G			1.2	58	ALBANIA. ML 3.6 (TTG). MD 3.7 (ATH).
	06	01	20	48.5&	36.119	N	117.887	W	3					12	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS), 2.9 (GS).
	06	01	44	01.7*	50.362	N	18.866	E	10	G			0.7	7	POLAND. ML 2.9 (WAR).
	06	02	09	45.5&	36.660	N	89.730	W	7					31	NEW MADRID, MISSOURI REGION. <SLM-P>. MD 3.5 (SLM), 3.5 (TEIC). mbLg 3.4 (GS), 3.3 (TUL). Felt (IV) at Sikeston; (III) at Grayridge, Lilbourn, Matthews and Parma; (II) at Caruthersville and East Prairie. Also felt at New Madrid. Felt (IV) in the Bagata-Miston-Ridgely area, Tennessee.
	06	02	14	08.9?	41.31	N	19.72	E	10	G			0.4	10	ALBANIA
	06	02	36	47.1*	39.810	N	25.697	E	10	G			1.5	8	AEGEAN SEA. MD 2.9 (ISK).

	06	02	44	36.0	39.760	N	19.685	E	7		3.5		1.1	61	GREECE-ALBANIA BORDER REGION. ML 4.0 (ATH), 3.8 (ROM), 3.5 (TTG).
	06	03	31	03.7%	41.715	S	173.732	E	80	*			0.8	25	SOUTH ISLAND, NEW ZEALAND
	06	03	48	15.3%	38.203	N	27.262	E	10	G			1.3	5	TURKEY. MD 3.0 (ISK).
	06	04	21	56.5	6.025	S	153.886	E	72	*	5.1		0.9	20	NEW BRITAIN REGION, P.N.G.
	06	05	07	09.8?	15.59	S	72.25	W	120	?	4.5		0.9	9	SOUTHERN PERU
	06	05	15	32.6*	6.562	S	147.127	E	19	*	4.3		1.1	6	EASTERN NEW GUINEA REG., P.N.G. ML 4.3 (PMG).
	06	06	51	29.2	17.999	S	167.696	E	10	G	4.8	4.4	1.2	14	VANUATU ISLANDS
	06	06	59	32.9	56.811	N	151.589	W	10	G	4.8		1.2	77	KODIAK ISLAND REGION. ML 4.2 (PMR), 3.9 (AEIC). Felt (III) at Kodiak.
	06	07	05	34.3%	40.326	N	23.910	E	10	G			0.6	8	GREECE
	06	07	34	55.2	32.243	S	69.331	W	120	G			0.6	16	MENDOZA PROVINCE, ARGENTINA. MD 3.7 (SAN).
	06	08	49	27.1*	51.514	N	6.451	E	10	G			1.4	6	GERMANY. ML 2.4 (BNS).
	06	09	18	58.3	39.250	N	119.502	W	5	G			0.9	12	NEVADA. ML 2 9 (GS).
	06	09	53	55.5%	39.113	N	27.615	E	10	G			0.4	5	TURKEY. MD 2.8 (ISk).
	06	10	08	07.3	38.546	N	30.972	E	10	G			1.0	6	TURKEY. MD 3.2 (ISK).
	06	10	43	18.9?	31.50	S	67.78	W	33	N			0.7	4	SAN JUAN PROVINCE, ARGENTINA
	06	11	14	44.6%	39.334	N	27.692	E	10	G			0.4	5	TURKEY. MD 2.8 (ISK).
	06	11	22	12.5	47.290	N	10.866	E	10	G			0.3	7	AUSTRIA. ML 2.0 (FUR), 1.9 (VIE).
	06	12	03	57.8	51.399	N	176.768	W	40	D	4.8		1.1	53	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) an Adak.
	06	12	05	29.0?	6.59	S	147.63	E	60	?	3.9		1.3	5	EASTERN NEW GUINEA REG., P.N.G.
	06	12	39	18.2%	39.498	N	26.861	E	10	G			1.0	5	TURKEY. MD 2.9 (ISK).
	06	12	41	37.3&	60.660	N	146.874	W	15					42	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
a	06	12	42	51.6	56.522	S	25.765	W	33	N	5.3	5.5	1.2	123	SOUTH SANDWICH ISLANDS REGION. Mw 5.7 (HRV).
	06	13	45	37.4&	62.627	N	151.831	W	15					14	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 3.0 (PMR).
	06	14	08	02.2	7.470	S	133.704	E	33	N	4.9		1.0	35	ARU ISLANDS REGION, INDONESIA
	06	14	52	51.9?	31.97	S	71.58	W	10	G			0.7	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	06	15	04	27.2%	39.120	N	27.676	E	10	G			0.5	6	TURKEY. MD 2.7 (ISK).
	06	15	16	31.4	43.986	N	7.549	E	10	G			0.7	18	NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG), 2.1 (GEN).
	06	15	24	04.1&	63.088	N	150.723	W	129		4.7			149	CENTRAL ALASKA. <AEIC>. Felt (III) at Talkeetna.
	06	15	55	56.7%	40.017	S	174.633	E	145				0.5	27	COOK STRAIT, NEW ZEALAND
	06	16	13	07.2*	38.778	N	75.778	E	33	N	3.8		0.6	9	SOUTHERN XINJIANG, CHINA
	06	16	22	25.2?	23 25	S	178.61	W	486	?	4.2		1.2	22	SOUTH OF FIJI ISLANDS
	06	18	10	55.9*	51.963	N	156.986	E	126	?	4.5		0.5	12	KAMCHATKA
	06	18	12	35.6*	41.151	N	19.675	E	10	G			0.7	11	ALBANIA. ML 2.3 (TTG).
	06	18	15	23.4	31.782	S	71.897	W	33	N			1.1	25	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
	06	18	20	57.7	44.266	N	8 316	E	10	G			1.1	15	NORTHERN ITALY ML 2.2 (GEN).
	06	18	23	34.8%	44.296	N	8.297	E	10	G			0.2	6	NORTHERN ITALY ML 2.0 (GEN).
	06	18	40	37.2	40.948	N	22.406	E	10	G			0.5	20	GREECE. ML 3.1 (SKO).
	06	18	44	07.9%	40.637	N	16 023	E	33	N			0.9	5	SOUTHERN ITALY
	06	19	18	02.9	19.416	N	65.175	W	10	G	4	5	0.9	20	PUERTO RICO REGION. ML 4.6 (FDF).
	06	19	41	32.6&	59.025	N	152.822	W	68					42	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	06	22	01	30.5%	40.220	N	29.531	E	10	G			1.2	7	TURKEY. MD 2.7 (ISK).
	06	22	12	00.3	38.234	N	22.885	E	33	N			0.7	11	GREECE. ML 3.0 (ATH).
	06	22	56	13.7%	38.031	N	14.156	E	10	G			0.8	5	SICILY
	06	23	26	55.1*	33.347	S	70.391	W	94	?			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	06	23	36	24.9%	41 234	S	172 533	E	245	*			0.2	20	SOUTH ISLAND, NEW ZEALAND
	07	01	38	36.0&	57.114	N	155.035	W	38		4.1			59	ALASKA PENINSULA. <AEIC>. ML 3.8 (AEIC). Felt (IV) at Larsen Bay.
	07	02	39	50.1	18.625	S	169.315	E	252		4.7		1.1	116	VANUATU ISLANDS
	07	02	46	39.9%	16.525	N	99.637	W	10	G			1.2	5	NEAR COAST OF GUERRERO, MEXICO
	07	03	25	48.0&	34.228	N	116.762	W	6	G				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	07	04	04	59.5	45.891	N	14.806	E	10	G			0.9	9	NORTHWESTERN BALKAN REGION. MD 2.8 (LJU).
a	07	05	02	46.4*	29.166	S	176.921	W	21	D	5.3	5.1	1.0	44	KERMADEC ISLANDS REGION. Mw 5.4 (HRV).
	07	05	51	38.7%	30.307	S	116.814	E	10	G			0.6	5	WESTERN AUSTRALIA
	07	07	46	00.0%	41.761	N	13.726	E	10	G			0.9	7	SOUTHERN ITALY
	07	08	31	44.6?	39.11	N	27.58	E	10	G			0.7	4	TURKEY. MD 2 6 (ISK).
	07	08	47	07.5%	44.308	N	8.269	E	10	G			0.2	6	NORTHERN ITALY. ML 1.7 (GEN).
	07	09	18	53.7	57.406	N	142.871	W	10	G			0.7	67	GULF OF ALASKA. ML 3.5 (AEIC), 3.3 (PGC).
	07	10	37	12.3%	39.057	N	27.621	E	33	N			0.8	5	TURKEY. MD 2.7 (ISK).
	07	10	39	31.6%	39.141	N	27.538	E	10	G			0.9	5	TURKEY. MD 2.8 (ISK).
a	07	11	08	19.3	44.378	N	147.593	E	108		5.3		0.8	261	KURIL ISLANDS Mw 5.0 (HRV).
	07	11	26	21.7&	63.395	N	152 836	W	0					42	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
	07	11	41	20.6%	38.690	N	27.484	E	33	N			0.4	5	TURKEY. MD 2.7 (ISK).
	07	12	18	17.1&	62.171	N	150.414	W	1					49	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	07	12	40	17.0?	29 58	S	175.95	W	33	N	4.3		1.4	10	KERMADEC ISLANDS REGION
	07	12	56	00.5	51.241	N	178 063	W	33	N	4	7 4.4	0.9	56	ANDREANOF ISLANDS, ALEUTIAN IS
	07	13	02	44.4*	21.736	N	94.806	E	122	*	4	0	0.5	10	MYANMAR
f	07	13	27	42.0	37 634	N	137.245	E	11	G	6.3	6.2	0.9	673	NEAR WEST COAST OF HONSHU, JAPAN. Mw 6.6 (GS), 6.3 (HRV). Ms 5.9 (BRK). Mo=1.0*10**19 Nm (PPT). At least sixteen people injured and some damage in Ishikawa, Toyama and Niigata Prefectures. Landslides occurred at Suzu. Maximum intensity IV (JMA) reported at Wajima. Felt throughout much of central Honshu. Two events about 1.5 seconds apart. Depth from broadband displacement seismograms, based on second event.
	07	14	07	10.0*	37.660	N	137.448	E	47	*	4.7		0.6	10	NEAR WEST COAST OF HONSHU, JAPAN
	07	14	32	37.1	38.175	N	22.836	E	33	N	3.5		1.1	24	GREECE. MD 3.5 (ATH).
	07	14	48	31.7	15.018	N	58.303	W	15		4.6		0.8	37	NORTH ATLANTIC OCEAN. ML 4.9 (FDF). MD 4.5 (TRN).
	07	15	01	33.8%	39.075	N	27.530	E	33	N			0.6	5	TURKEY. MD 2.7 (ISK).
	07	15	09	28.0	37.549	N	137.601	E	57	*	4.5		0.9	12	NEAR WEST COAST OF HONSHU, JAPAN
	07	15	38	23.1	13.671	N	120.807	E	111	D	4.8		1.0	48	MINDORO, PHILIPPINE ISLANDS
	07	16	22	08.0	2.821	N	128.946	E	45	*	4.9	4.4	0.9	27	HALMAHERA, INDONESIA
	07	16	29	12.9	49.359	N	128.597	W	10	G	4.8	5.0	1.1	92	VANCOUVER ISLAND REGION
	07	16	31	32.4*	2.837	N	128.867	E	60	*	4.2		0.2	9	HALMAHERA, INDONESIA
	07	16	44	36.2%	45.082	S	166.129	E	33	N			0.7	16	OFF W. COAST OF S. ISLAND, N.Z. ML 4.0 (WEL).
	07	17	06	05.7	37.734	N	137.273	E	17	D	4.8	4.7	0.9	91	NEAR WEST COAST OF HONSHU, JAPAN
	07	17	20	50.6	42.385	N	18.992	E	5	G			1.1	12	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
	07	18	06	26.9	56.907	N	143.339	W	10	G			0.6	32	GULF OF ALASKA. ML 2.8 (AEIC), 2.5 (PGC).
	07	18	26	17.9*	33.063	S	77.881	E	10	G	4.9		1.2	7	MID-INDIAN RIDGE
	07	18	50	05.6	30.359	N	130.616	E	82	D	4.7		1.0	57	KYUSHU, JAPAN
	07	19	04	40.4?	5.32	S	153.87	E	33	N	4.6		0.4	10	NEW IRELAND REGION, P.N.G.
	07	20	17	35.0	44.581	N	10.530	E	10	G			1.2	11	NORTHERN ITALY. ML 2.8 (LDG).

	07	20	43	30.8?	32.00	S	70.25	W	100	G			0.5	8	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	07	21	03	14.4%	44.321	N	8.227	E	10	G			1.2	5	NORTHERN ITALY. ML 1.6 (GEN).
	07	21	13	05.5%	44.299	N	8.289	E	10	G			0 4	6	NORTHERN ITALY. ML 1.6 (GEN).
	07	21	15	00.4?	45.06	N	2.99	E	10	G			0.9	5	FRANCE. ML 1.8 (LDG).
	07	22	01	48.2*	38.218	N	22.798	E	28				1.1	12	GREECE. ML 3.3 (ATH).
	07	22	10	30.5*	3.242	S	139.718	E	114	*	4.9		1.2	21	IRIAN JAYA, INDONESIA
	07	22	27	34.4?	30.06	S	68.01	W	33	N			1.3	6	SAN JUAN PROVINCE, ARGENTINA
	07	23	16	20.3%	33.648	S	71.787	W	21				0.3	11	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	08	00	23	00.8*	61.022	N	4.326	E	10	G			1.4	8	SOUTHERN NORWAY. MD 2.2 (BER).
	08	00	53	23.1	36.701	N	115.662	W	5	G			0.8	29	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (GS). Felt (III) at Las Vegas, Nevada.
	08	01	24	57.0?	8.94	S	133.91	E	33	N	4.7		0.9	7	ARAFURA SEA
	08	01	39	03.0?	38.30	N	22.93	E	33	N			1.0	6	GREECE. ML 3.4 (ATH).
	08	02	49	42.1*	16.131	N	60.780	W	10	G			0.8	8	LEEWARD ISLANDS. ML 2.7 (FDF). MD 3.0 (TRN).
	08	03	11	24.0*	15.093	N	60 258	W	33	N			0.5	12	LEEWARD ISLANDS. ML 3.3 (FDF). MD 3.5 (TRN).
	08	03	13	34.2%	17.109	N	99.492	W	10	G			1.3	5	GUERRERO, MEXICO
	08	03	38	59.7	37.578	N	137.443	E	31		4.7	4.0	1.3	61	NEAR WEST COAST OF HONSHU, JAPAN
o	08	04	24	47.2	4.834	S	101.916	E	30	D	5.9	5.6	0.9	249	SOUTHERN SUMATERA, INDONESIA. Mw 5.7 (HRV).
	08	05	18	42.9*	4.881	S	101.990	E	60	?	4.9	4.4	0.5	20	SOUTHERN SUMATERA, INDONESIA
	08	05	32	34.8	24.037	N	143.257	E	35	D	5.2	5.0	1.1	100	VOLCANO ISLANDS REGION
	08	06	23	54.6*	33.096	S	70.522	W	83	?			0.5	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	08	08	58	58.7*	34.810	N	141.923	E	30	*	4.3		1.2	28	OFF EAST COAST OF HONSHU, JAPAN
	08	09	51	31.8%	40.645	N	22.936	E	10	G			0.7	5	GREECE
	08	10	11	47.0	31.986	S	67.677	W	10	G			1.0	6	SAN JUAN PROVINCE, ARGENTINA
	08	12	00	35.1&	37.360	N	118.379	W	12					14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
	08	12	55	27.1?	39.10	N	27.58	E	10	G			0.9	4	TURKEY. MD 2.8 (ISK).
	08	13	22	34.8?	36.63	S	179.57	E	160	*			1.1	24	OFF E. COAST OF N. ISLAND, N.Z.
	08	13	57	05.8&	63.255	N	151.109	W	12					12	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 3.0 (PMR).
	08	14	37	20.2%	39.113	N	27.598	E	10	G			0.5	5	TURKEY. MD 2.7 (ISK).
	08	16	09	27.7?	3.67	S	139.79	E	33	N	4.1		1.4	7	IRIAN JAYA, INDONESIA
	08	16	19	14.9*	7.825	N	36.779	W	10	G	4.4		0.9	9	CENTRAL MID-ATLANTIC RIDGE
	08	17	45	23.3*	33.638	S	71.739	W	20	*			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	08	19	18	30.5?	40.12	N	24.14	E	10	G			0.9	7	AEGEAN SEA
	08	19	52	35.7&	59.875	N	153.301	W	130					59	SOUTHERN ALASKA. <AEIC>.
	08	21	28	10.6*	5.400	N	126.057	E	128	?	4.7		0.8	15	MINDANAO, PHILIPPINE ISLANDS
	08	22	31	33.8	37.512	N	137.393	E	48	*	4.6		0.9	15	NEAR WEST COAST OF HONSHU, JAPAN
	08	22	35	40.8&	61.296	N	149.868	W	39					49	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	08	22	41	59.9?	1.14	S	15.84	W	10	G	4.3		0.9	8	NORTH OF ASCENSION ISLAND
	08	22	51	25.3?	15.39	N	60.81	W	33	N			0.2	5	LEEWARD ISLANDS. ML 2.6 (FDF).
	08	23	01	56.6	10.462	N	122.421	E	24		4.8	3.9	0.8	25	PANAY, PHILIPPINE ISLANDS
	08	23	25	09.2&	60.199	N	152.789	W	119					53	SOUTHERN ALASKA. <AEIC>.
	09	00	14	47.8	14.471	S	167.374	E	193		5.0		0.9	132	VANUATU ISLANDS
	09	00	23	03.4?	48.61	N	0.82	W	10	G			0.5	4	FRANCE. ML 1 6 (LDG).
	09	02	29	51.8?	2.90	N	128.78	E	217	?	4.5		0.7	11	HALMAHERA, INDONESIA
	09	02	29	57.7*	52.301	N	169.322	W	33	N	4.6		1.1	26	FOX ISLANDS, ALEUTIAN ISLANDS
	09	04	45	05.4*	36.960	S	177.096	E	227	*	3.6		1.0	21	OFF E. COAST OF N. ISLAND, N.Z.
	09	07	09	12.1	14.942	S	167.298	E	124		5.2		1.1	84	VANUATU ISLANDS
	09	07	24	01.9*	10.033	N	70.198	W	10	G	3.9		1.4	9	VENEZUELA. Felt at El Tocuyo.
	09	08	19	54.8	39.424	N	27.844	E	5	G			0.7	13	TURKEY. MD 3.3 (ISK).
	09	08	43	08.7	9.732	N	126.395	E	37	*	4.7	3.9	0.8	21	MINDANAO, PHILIPPINE ISLANDS
	09	09	26	31.1	40 298	N	21.734	E	10	G			0.9	7	GREECE
	09	10	05	20.2&	62 164	N	150.443	W	7					67	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.4 (PMR).
	09	10	06	40.4?	39.76	N	23.71	E	10	G			0.4	7	AEGEAN SEA
	09	10	07	02.7%	42 776	N	19.177	E	10	G			0.4	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	09	11	13	17.0	49 234	N	6.990	E	10	G			0.8	6	GERMANY
	09	11	18	39.7	50.872	N	159.971	E	42	D	4.6		1.0	39	EAST OF KURIL ISLANDS
	09	11	41	00.8&	63.117	N	150.563	W	117		3.0			77	CENTRAL ALASKA. <AEIC>.
	09	11	55	43.0	52.368	N	169.409	W	33	N	4.9	4.6	1.2	79	FOX ISLANDS, ALEUTIAN ISLANDS
o	09	12	04	49.2	0.696	N	29.666	W	10	G	5.2	4.8	0.7	65	CENTRAL MID-ATLANTIC RIDGE. Mw 5.5 (HRV).
	09	12	36	12.3?	15 35	N	91.95	W	207	*	3.4		1.2	7	MEXICO-GUATEMALA BORDER REGION
	09	12	46	56.0	28 164	S	67.343	W	142	D	4.7		1.2	73	LA RIOJA PROVINCE, ARGENTINA
	09	12	56	20.9*	9.767	N	126.373	E	44	?	4.4	4.4	1.0	14	MINDANAO, PHILIPPINE ISLANDS
	09	13	15	15.0*	19.327	S	169.025	E	108	*	4.4		1.4	15	VANUATU ISLANDS
	09	13	30	04.9&	59.842	N	150.681	W	39					49	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	09	13	52	29.8?	41.08	N	24.40	E	10	G			1.0	7	GREECE-BULGARIA BORDER REGION
	09	13	59	44.6*	52.672	N	169.402	W	33	N	4.4		1.4	17	FOX ISLANDS, ALEUTIAN ISLANDS
o	09	14	25	38.9	45.709	N	141.938	E	307	D	5.6		0.9	471	HOKKAIDO, JAPAN REGION. Mw 5.6 (HRV).
	09	14	32	59.9%	38.075	N	14.164	E	10	G			1.5	5	SICILY
	09	14	44	37.0	44.516	S	169.840	E	10	G			0.8	23	SOUTH ISLAND, NEW ZEALAND. ML 4.2 (WEL).
	09	16	43	33.4*	52.616	N	169.488	W	33	N	4.5	4.4	1.1	30	FOX ISLANDS, ALEUTIAN ISLANDS
	09	16	43	40.3	46.075	N	15.805	E	10	G			1.3	12	NORTHWESTERN BALKAN REGION. ML 2.3 (VIE). MD 2.4 (TRI).
	09	17	02	54.7*	44.095	N	15.778	E	10	G			1.0	11	NORTHWESTERN BALKAN REGION. ML 2.6 (VIE), 2.5 (LJU). MD 2.9 (TRI).
	09	17	15	40.6?	30.81	S	117.06	E	10	G			0.5	4	WESTERN AUSTRALIA
	09	18	16	37.5?	30.81	S	117.07	E	10	G			0.5	4	WESTERN AUSTRALIA
	09	18	25	58.8	23.559	N	108.019	E	10	G	4.1		1.4	15	SOUTHEASTERN CHINA. ML 4.6 (BJI).
	09	18	49	43.0	45.484	N	9.154	E	10	G			1.0	15	NORTHERN ITALY. ML 2.4 (LDG).
	09	19	20	48.4	50.365	N	7.352	E	10	G			0.9	16	GERMANY. ML 2.8 (LDG). mbLg 2.8 (UCC). Felt (II) at Neuwied.
	09	19	49	44.1?	3.49	S	151.20	E	33	N	4.1		1.5	8	NEW IRELAND REGION, P.N.G.
	09	19	49	51.1*	3.786	S	151.367	E	29	D	4.7		1.0	28	NEW IRELAND REGION, P.N.G.
	09	20	10	37.8	27.282	N	56.028	E	33	N	4.4		1.3	38	SOUTHERN IRAN
	09	20	24	47.0&	34.499	N	116.527	W	8					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.8 (GS).
	09	20	27	11.4&	34.506	N	116.527	W	1					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	09	20	30	16.2&	55.287	N	122.995	W	10	G				3	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.0 (PGC).
	09	20	39	35.1*	28.466	N	139.777	E	434	?	3.9		1.2	14	BONIN ISLANDS REGION
	09	20	51	46.8*	24.647	N	68.999	E	33	N	4.3		1.3	15	INDIA-PAKISTAN BORDER REG.
	09	20	57	13.1	5.471	S	152.409	E	67		5.1		0.9	96	NEW BRITAIN REGION, P.N.G.
	09	21	11	07.5&	63.905	N	148.955	W	0					40	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC). Healy coal mine blast.
	09	21	20	53.8?	15.03	N	62.17	W	33	N			0.5	4	LEEWARD ISLANDS
	09	21	34	37.6	39.481	N	21.557	E	10	G			0.7	8	GREECE
	09	21	38	02.1	51.576	N	176.219	W	45	D	4.8	4.5	1.1	95	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.4 (PMR). Felt (IV)

														on Adak.
	09	21	59	54.3	38.212	N	22.842	E	11			1.2	16	GREECE. ML 3.1 (ATH).
	09	22	08	17.3	46.129	N	15.839	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. MD 2.5 (LJU).
	09	22	27	30.4&	59.131	N	152.032	W	55				46	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC).
	09	22	37	24.3*	19.391	S	70.534	W	61	*	4.7	0.9	10	NEAR COAST OF NORTHERN CHILE
	09	22	54	52.9&	61.222	N	139.132	W	0				13	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 2.5 (AEIC).
	09	23	06	23.5	36.516	N	71.220	E	201	*	4.0	0.6	24	AFGHANISTAN-TAJIKISTAN BORD REG.
	09	23	38	42.2?	42.17	N	8.13	W	10	G		0.7	4	SPAIN. mbLg 2.7 (MDD).
a	10	00	16	32.3	19.428	S	169.181	E	10	G	5.2 4.7	1.2	82	VANUATU ISLANDS. Mw 5.2 (HRV).
	10	00	28	26.7	12.598	N	93.563	E	80	D	4.6	1.2	37	ANDAMAN ISLANDS, INDIA
	10	00	43	14.5%	39.310	S	174.487	E	223	*		0.4	28	NORTH ISLAND, NEW ZEALAND
	10	00	47	47.1*	3.217	S	131.410	E	33	N	4.5	1.0	10	IRIAN JAYA REGION, INDONESIA
	10	01	22	24.9&	60.062	N	140.563	W	12				63	SOUTHEASTERN ALASKA. <AEIC>. ML 3.7 (AEIC), 3.8 (PGC), 3.9 (PMR).
	10	01	54	09.9?	37.62	N	137.57	E	10	G		0.5	5	NEAR WEST COAST OF HONSHU, JAPAN
	10	02	35	11.9*	22.876	S	63.613	W	531	*	4.3	1.3	17	SALTA PROVINCE, ARGENTINA
	10	02	46	07.6*	34.827	N	26.771	E	102	*	3.8	1.2	12	CRETE. MD 3.9 (ATH).
	10	03	18	11.5	40.816	N	20.727	E	10	G		0.5	8	GREECE-ALBANIA BORDER REGION. ML 1.9 (SKO).
	10	04	18	23.5*	51.274	N	15.782	E	5	G		1.0	12	POLAND. ML 3.3 (GRF). 2.9 (VIE).
	10	04	20	08.0%	37.988	N	14.118	E	10	G		0.5	5	SICILY
	10	04	20	50.1*	8.136	N	73.477	W	97	*	4.5	0.8	9	NORTHERN COLOMBIA
	10	04	40	09.1&	34.375	N	116.875	W	3				11	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	10	04	43	07.8	23.147	S	68.143	W	132		4.6	1.4	42	NORTHERN CHILE
	10	05	01	03.9?	23.70	S	26.44	E	33	N	4.3	1.1	13	BOTSWANA. mbLg 3.8 (BUL).
	10	05	13	43.1%	38.057	N	14.189	E	5	G		0.7	8	SICILY
	10	06	14	19.3	38.246	N	22.905	E	10	G		1.1	21	GREECE. MD 3.4 (ATH).
	10	07	41	52.9&	34.022	N	117.583	W	3				15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.1 (GS). Felt.
	10	08	59	43.3*	37.136	N	30.565	E	10	G		0.5	6	TURKEY. MD 3.7 (ISK). Felt at Antalya.
	10	09	26	14.4?	21.98	S	68.99	W	120	G		1.3	5	CHILE-BOLIVIA BORDER REGION
	10	09	40	14.9?	14.17	N	93.01	W	65	*		1.5	11	NEAR COAST OF CHIAPAS, MEXICO
	10	10	01	14.1*	37.741	N	137.329	E	10	G	3.9	1.3	8	NEAR WEST COAST OF HONSHU, JAPAN
	10	10	34	40.9?	39.09	N	27.63	E	10	G		0.6	4	TURKEY. MD 2.7 (ISK).
a	10	10	53	07.2	7.745	S	105 262	E	33	D	5.7 5.2	1.2	196	JAWA, INDONESIA. Mw 5.8 (HRV).
	10	10	55	10.3	46.415	N	13.075	E	10	G		1.0	9	AUSTRIA. ML 2.4 (VIE). MD 2.8 (LJU).
	10	10	58	06.9*	51.308	N	15.739	E	5	G		1.2	11	POLAND. ML 3.8 (GRF), 3.8 (VIE).
	10	12	22	20.4	19.300	S	169.117	E	137	D	5.1	1.0	126	VANUATU ISLANDS
	10	12	28	23.4	40.982	N	23.115	E	10	G		0.2	6	GREECE
	10	12	49	00.6?	37.41	N	36.22	E	10	G		1.1	8	TURKEY. ML 3.7 (CSS).
	10	13	10	17 8?	38.92	N	27.60	E	10	G		0.0	4	TURKEY. MD 2.7 (ISK).
	10	13	58	49.2?	32.51	S	71.43	W	33	N		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	10	16	52	01.9&	33.955	N	119.324	W	6	G			5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	10	17	00	37.9&	34.390	N	116.454	W	3				15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 2.9 (GS).
	10	17	20	18.8	19.901	S	163.305	E	22	D	4.8 4.9	1.0	32	NEW CALEDONIA
	10	17	33	33.0?	32.44	S	72.07	W	12			0.3	9	OFF COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	10	18	20	04.9%	15.843	N	60.689	W	33	N		0.3	7	LEEWARD ISLANDS. ML 2.7 (FDF).
	10	20	15	26.4*	6.573	S	130.939	E	79	*	5.1	1.1	15	BANDA SEA
	10	20	25	57.3	34.531	N	80.789	E	10	G	4.5 4.2	1.1	25	XIZANG
	10	21	13	16.8	22.338	S	69.123	W	104	*	4.0	0.5	8	NORTHERN CHILE
	10	21	27	53.6	37.691	N	21.328	E	47	*	4.0	1.1	28	SOUTHERN GREECE. MD 3.7 (ATH).
	10	21	35	52.2	33.058	N	6.590	W	10	G		1.1	8	MOROCCO. MD 3.5 (RBA). mbLg 2.9 (MDD).
	10	21	48	35.0	40.429	N	119.612	W	5	G	4.8	0.8	117	NEVADA. ML 4.8 (GS), 5.1 (BRK). Felt (IV) at Empire, Fallon, Fernley, Gerlach, Lovelock and Nixon; (III) at Silver Springs and Wadsworth. Also felt at Carson City, Reno and in the Pyramid Lake area. Felt (III) at Litchfield and Wendel, California.
	10	22	00	25.4	37.729	N	21.389	E	15		3.9	1.1	20	SOUTHERN GREECE. MD 3.5 (ATH).
	10	22	13	30.8?	45.00	S	167.85	E	70	G		1.3	14	SOUTH ISLAND, NEW ZEALAND
	10	22	17	47.4?	41.52	N	23.79	E	10	G		0.1	6	GREECE-BULGARIA BORDER REGION
	10	22	38	08.6?	42.19	N	43.60	E	10	G		1.3	5	NORTHWESTERN CAUCASUS
	10	22	48	13.9	49.177	N	6.826	E	10	G		0.8	10	GERMANY
	10	23	46	35.6*	38.097	N	22.861	E	33	N		0.3	5	GREECE. MD 2 9 (ATH).
	11	00	20	09.1%	39.336	N	28.841	E	5	G		0.2	6	TURKEY. MD 3.0 (ISK).
	11	00	55	08.4	44.433	N	7.284	E	13			0.4	28	NORTHERN ITALY. ML 2.8 (LDG), 2.3 (GEN), 2.1 (STR).
	11	01	13	06.6*	14.591	S	167.505	E	182	D	4.5	1.3	66	VANUATU ISLANDS
	11	01	50	04.1	41.966	N	22.994	E	10	G		0.4	6	NORTHWESTERN BALKAN REGION ML 1.9 (SKO).
	11	03	33	39.1?	43.53	N	11.10	E	10	G		0.4	4	CENTRAL ITALY
	11	03	42	17.5?	36.49	N	32.13	E	10	G		0.4	4	TURKEY. ML 2.4 (CSS).
	11	03	47	54.5	41.963	N	142.745	E	68		4.3	1.1	29	HOKKAIDO, JAPAN REGION
	11	03	48	23.4*	24.832	S	69.176	W	153	?		1.4	13	NORTHERN CHILE
	11	04	49	02.6%	17 551	N	62 083	W	10	G		0.4	5	LEEWARD ISLANDS. MD 3.0 (TRN).
	11	07	49	39.5&	59.859	N	153.243	W	117		2.7		59	SOUTHERN ALASKA. <AEIC>.
	11	07	59	14.9*	43.988	N	12.761	E	10	G		1.5	16	CENTRAL ITALY. MD 2.8 (TRI).
	11	08	00	37.6?	21.01	S	179.23	W	639	?	4.3	1.1	8	FIJI ISLANDS REGION
	11	09	42	36.5%	44.726	N	7.299	E	5	G		0.2	5	NORTHERN ITALY. ML 1.3 (GEN).
	11	09	48	42.3?	38.01	N	26.72	E	10	G		0.5	7	AEGEAN SEA. MD 3.3 (ISK).
	11	10	15	17.3*	36.399	N	71.412	E	85	?	4.7	1.7	32	AFGHANISTAN-TAJIKISTAN BORD REG.
	11	10	25	20.6%	39.081	N	27.591	E	5	G		0.5	5	TURKEY. MD 2.7 (ISK).
	11	10	28	57.1	58.023	N	142.977	W	10	G		0.7	47	GULF OF ALASKA. ML 3.2 (AEIC), 3.5 (PGC).
	11	11	13	16.6%	39.940	N	29.262	E	5	G		1.1	10	TURKEY. MD 3.0 (ISK).
	11	11	14	49.4%	30.900	S	68.102	W	33	N		1.3	6	SAN JUAN PROVINCE, ARGENTINA
	11	11	24	06.5*	49.203	N	6.858	E	10	G		0.3	5	GERMANY. MD 2.2 (UCC).
	11	11	29	44.8?	39.58	N	25.74	E	10	G		0.9	5	AEGEAN SEA. MD 3.1 (ISK).
	11	12	17	07.3	37.625	N	137.390	E	28		4.4	0.8	21	NEAR WEST COAST OF HONSHU, JAPAN
	11	12	18	45.4%	38.859	N	27.842	E	10	G		0.8	6	TURKEY. MD 3.2 (ISK).
	11	12	39	36.9&	35.026	N	116.972	W	3		3.8		48	CENTRAL CALIFORNIA. <PAS-P>. ML 4.5 (PAS), 4.3 (BRK), 3.8 (GS). Felt (III) at Doggett and Highland. Also felt at Barstow.
	11	12	51	12.3?	40.99	N	28.58	E	10	G		0.2	4	TURKEY. MD 2.7 (ISK).
	11	13	13	32.9%	38.075	N	14.172	E	10	G		0.9	11	SICILY
	11	13	24	08.8?	42.35	N	24.09	E	10	G		1.3	10	BULGARIA
	11	14	27	27.4*	35.039	N	27.090	E	10	G		0.8	7	DODECANESE ISLANDS. MD 3.9 (ATH). ML 3.8 (CSS).

	11	14	58	53.9?	30.97	S	69.19	W	124	?			0.3	6	CHILE-ARGENTINA BORDER REGION
	11	15	42	21.0?	48.17	N	8.36	E	10	G			0.5	6	GERMANY. ML 1.9 (STR).
	11	15	50	59.6?	48.78	N	1.61	W	10	G			0.8	5	FRANCE. ML 2.5 (LDG).
	11	15	54	05.4&	35.019	N	116.972	W	4					24	CENTRAL CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.2 (GS).
	11	15	54	50.9	38.376	N	21.962	E	10	G			1.2	17	GREECE. MD 3.2 (ATH).
	11	16	01	11.2?	60.38	N	5.00	E	10	G			1.7	5	SOUTHERN NORWAY. MD 1.5 (BER).
	11	16	18	25.7?	36.53	N	28.76	E	10	G			0.3	4	DODECANESE ISLANDS. MD 3.2 (ISK).
	11	16	47	40.9*	20.421	S	173.592	W	39	D	4.9	4.6	1.2	39	TONGA ISLANDS
	11	16	58	50.8	40.235	S	176.581	E	51	*	4.9		1.3	37	NORTH ISLAND, NEW ZEALAND
	11	16	58	55.2	38.366	N	21.892	E	10	G			1.3	12	GREECE. MD 3.1 (ATH).
	11	17	07	21.5	49.164	N	6.904	E	10	G			0.9	10	GERMANY. MD 2.6 (UCC). ML 2.5 (STR).
	11	17	33	02.4&	33.954	N	117.126	W	15					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS), 2.6 (GS).
	11	17	56	58.4*	28.982	N	52.219	E	33	N	4.2		1.4	13	SOUTHERN IRAN
	11	19	37	53.7	27.845	N	59.896	E	33	N	4.6		1.3	70	SOUTHERN IRAN
	11	19	46	10.2	58.812	N	1.621	E	10	G			1.4	30	NORTH SEA. ML 3.8 (BGS). MD 3.4 (BER).
	11	21	26	26.4?	51.06	N	15.77	E	10	G			1.4	6	POLAND. ML 3.3 (VIE).
	11	21	30	48.4?	26.00	S	27.28	E	5	G			1.6	6	REPUBLIC OF SOUTH AFRICA. mbLg 3.4 (BUL).
	11	21	44	22.5?	34.91	S	66.25	W	33	N			1.0	6	SAN LUIS PROVINCE, ARGENTINA
	11	22	09	40.4?	41.69	N	22.96	E	10	G			1.1	5	NORTHWESTERN BALKAN REGION
	11	22	17	45.3%	37.087	N	4.983	W	10	G			0.6	6	SPAIN. mbLg 2.4 (MDD).
	11	23	00	15.7*	54.590	N	161.405	E	33	N	4.4		0.8	23	NEAR EAST COAST OF KAMCHATKA
	11	23	32	15.0%	37.109	N	4.990	W	10	G			0.8	6	SPAIN. mbLg 2.2 (MDD).
	12	00	02	10.8?	31.55	S	68.68	W	114	?			0.3	6	SAN JUAN PROVINCE, ARGENTINA
	12	00	30	35.2&	60.008	N	152.240	W	88		3.6			86	SOUTHERN ALASKA <AEIC>. Felt (II) at Homer.
	12	00	50	54.2&	58.027	N	153.396	W	57		2.5			42	KODIAK ISLAND REGION <AEIC>. ML 2.7 (AEIC).
	12	01	15	23.9?	22.11	S	69.09	W	116	*	4.2		1.3	9	NORTHERN CHILE
	12	02	09	54.2	14.847	N	92.329	W	124		4.3		1.3	62	NEAR COAST OF CHIAPAS, MEXICO
	12	02	28	05.1	44.584	N	9.300	E	10	G			0.9	23	NORTHERN ITALY. ML 2 4 (GEN), 2.3 (LDG).
	12	02	52	28.6%	45.163	N	7.442	E	10	G			0.4	12	NORTHERN ITALY. ML 2.1 (GEN).
	12	02	53	07.6	41.462	N	25.257	E	10	G			1.0	31	GREECE-BULGARIA BORDER REGION. MD 3.4 (ATH). Felt at Kurdzhali, Bulgaria.
	12	02	58	57.6*	6.385	N	126 368	E	37	D	4.9		1.1	23	MINDANAO, PHILIPPINE ISLANDS
	12	03	30	45.8	38.903	N	21.160	E	10	G			1.0	23	GREECE. MD 3.4 (ATH) ML 3.2 (THE).
	12	03	33	01.3?	31.31	S	68.51	W	101	?			0.5	5	SAN JUAN PROVINCE, ARGENTINA
	12	03	45	23.4?	8.70	S	119 73	E	118	?	4.6		1.5	6	FLORES REGION, INDONESIA
	12	03	53	01.7	30.036	N	41.949	W	10	G	4.5	3.8	0.5	37	NORTHERN MID-ATLANTIC RIDGE
	12	03	57	29.4	31.884	S	69.781	W	130	G			0.6	19	SAN JUAN PROVINCE, ARGENTINA. MD 4 1 (SAN).
	12	04	14	22.5?	45.51	N	26.53	E	165	?			0.9	8	ROMANIA
	12	04	41	48.0*	21.385	S	69.165	W	33	N			0.8	6	NORTHERN CHILE
	12	05	32	30.6%	38.755	S	177.772	E	112	*			0.8	26	NORTH ISLAND, NEW ZEALAND
	12	05	38	59.1%	48.185	N	0.855	W	10	G			1.1	14	FRANCE. ML 3.0 (LDG)
	12	05	46	31.4	38.880	N	21.174	E	10	G			0.8	16	GREECE. MD 3.3 (ATH). ML 3.0 (THE).
	12	05	56	51.9	39.605	N	143.461	E	33	N	4.8	4.4	1.0	72	OFF EAST COAST OF HONSHU, JAPAN
	12	07	45	40.0	41.614	N	20.774	E	10	G			1.1	17	ALBANIA. ML 3.2 (SKO), 3.1 (TTG).
	12	07	56	40.6*	57.836	S	29.273	W	17	D	5.0	4.3	1.3	17	SOUTH SANDWICH ISLANDS REGION
	12	08	41	56.8?	18.97	S	70.43	W	65	?	3.9		1.7	9	NEAR COAST OF NORTHERN CHILE
	12	09	15	04.7?	38.42	N	15.02	E	10	G			0 4	4	SICILY
	12	09	56	29.3?	39.12	N	27.57	E	10	G			0.8	4	TURKEY. MD 2.7 (ISK).
a	12	10	52	03.8	79.218	N	124.503	E	10	G	5.0	4.3	1.0	122	EAST OF SEVERNAYA ZEMLYA, RUSSIA. Mw 5.1 (HRV).
	12	11	03	26.0?	40.81	N	22.97	E	10	G			0.3	4	GREECE
	12	11	17	00.3*	48.740	N	10.165	E	10	G			1.6	10	GERMANY. ML 2 5 (VIE).
	12	11	22	57.6	43.301	N	83.999	E	10	G	4.4		1.3	20	NORTHERN XINJIANG, CHINA. ML 4.5 (BJI).
	12	11	29	14.9%	44.483	N	4.816	E	10	G			0.8	10	FRANCE. ML 2.5 (LDG).
a	12	11	33	00.3	17.580	S	172.627	W	31	D	4.9	5.1	1.3	77	TONGA ISLANDS REGION. Mw 5.3 (HRV).
	12	11	45	00.0	41.666	N	20.779	E	10	G			1.2	23	ALBANIA. ML 3.1 (SKO), 3.1 (TTG), 3.0 (THE).
	12	12	08	38.8	41 637	N	22.292	E	10	G			0.8	11	NORTHWESTERN BALKAN REGION. ML 2.5 (THE), 2.2 (SKO).
	12	12	20	13.2?	37.78	N	6.95	E	10	G			1.3	8	WESTERN MEDITERRANEAN SEA
	12	12	30	37.8?	25.77	S	179.86	W	509	?	4.6		1.1	14	SOUTH OF FIJI ISLANDS
	12	12	35	25.9?	83.01	N	119.61	E	10	G	4.0		1 0	5	NORTH OF SEVERNAYA ZEMLYA
	12	12	44	19.1	23 507	N	92.337	E	33	N	4.3	3.9	1.4	21	INDIA-BANGLADESH BORDER REGION
	12	12	53	05 4?	6.19	S	151.31	E	33	N	4.3		1.5	7	NEW BRITAIN REGION, P.N.G.
	12	13	02	27.7&	62.031	N	149.390	W	43		4.7			156	CENTRAL ALASKA. <AEIC>. ML 4.4 (AEIC), 4.8 (PMR). Felt (V) at Eagle River; (IV) at Chickaloon, Palmer, Talkeetna and Wasilla; (III) at Anchorage and Skwentna.
	12	13	08	31.2*	4.046	N	126.640	E	33	N	4.8		0.7	20	TALAUD ISLANDS, INDONESIA
	12	13	29	09.9?	25.21	S	28.59	E	5	G			0.9	4	REPUBLIC OF SOUTH AFRICA. mbLg 3.4 (BUL).
	12	13	36	04 ??	6 70	S	146.80	E	33	?	4.0		0 8	5	EASTERN NEW GUINEA REG., P.N.G.
	12	13	59	01 8&	38 364	N	119.316	W	12					16	CALIFORNIA-NEVADA BORDER REGION <GM-P>. MD 3.0 (GM).
	12	14	05	14.2*	37.584	N	21.346	E	10	G	3.7		1.1	14	SOUTHERN GREECE. MD 3.6 (ATH).
	12	14	10	54.6?	57.72	S	29.26	W	33	N	5.1	5.2	1.2	13	SOUTH SANDWICH ISLANDS REGION
	12	14	13	11.2	4.028	N	126.665	E	39	D	5.0	4.4	1.2	79	TALAUD ISLANDS, INDONESIA
	12	15	32	02.3?	34.52	N	140.71	E	33	N	4.6		1.6	10	NEAR EAST COAST OF HONSHU, JAPAN
	12	15	39	26.5	36.748	N	2.479	E	10	G	3.7		0.8	26	NORTHERN ALGERIA. mbLg 3.3 (MDD). Felt in the Tipasa area.
	12	15	40	12.0%	33.148	S	70.285	W	10	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	12	16	09	43.6&	37.544	N	118.803	W	4					17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
	12	16	16	35.7*	40.334	N	77.912	E	22	D	3.8		1.6	10	KYRGYZSTAN-XINJIANG BORDER REG. ML 4.3 (BJI).
	12	18	22	02.7%	40.098	S	176.797	E	77	*			1.0	30	NORTH ISLAND, NEW ZEALAND
	12	18	26	10.2	37.629	N	137.466	E	39		4.8	4.7	1.1	49	NEAR WEST COAST OF HONSHU, JAPAN
	12	18	26	51.8	11.301	N	86.735	W	21	D	4.8	4.5	1.2	108	NEAR COAST OF NICARAGUA. MD 5.0 (UPA). Felt in northern Costa Rica.
	12	18	28	04.6*	39.386	N	73.108	E	33	N	4.4	4.2	0.8	15	TAJIKISTAN-XINJIANG BORDER REG.
	12	18	57	33.7*	36.672	N	69.983	E	33	N			0.5	7	HINDU KUSH REGION, AFGHANISTAN
	12	18	59	27.8*	33.625	S	71.861	W	19				0.9	20	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
	12	19	26	07.2*	40.088	N	40.682	E	10	G	3.2		1.2	9	TURKEY
	12	19	55	50.9	47.397	N	7.118	E	10	G			0 2	8	SWITZERLAND. ML 2.0 (STR).
	12	19	59	38.8&	61.258	N	150.230	W	42					43	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	12	20	51	41.9	32.908	S	70.957	W	75	*	4.2		1.0	23	CHILE-ARGENTINA BORDER REGION. MD 4.5 (SAN). Felt at Quillota, San Felipe and Santiago, Chile.
	12	21	37	53.4	37.578	N	22.578	E	75		4.4		1.2	209	SOUTHERN GREECE. MD 4.5 (TTG). Felt in Akhaio, Argolis, Arkadhia, Attiki and Viotia.
	12	22	00	07.6%	38.679	S	175.604	E	193	*			0.6	29	NORTH ISLAND, NEW ZEALAND
	12	22	29	21.5%	32.875	S	70 931	W	66	?			0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).

	12	22	32	39.4	51.622	N	175.991	W	33	D	5.1	5.3	1.2	219	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR). Felt (IV) on Adak.
	12	22	44	55.3	43.408	N	5.418	E	10	G			0.8	14	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
	12	23	16	03.4%	32.873	S	70.937	W	65	?			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	12	23	38	17.5	1.767	S	81.114	W	33	N	4.6		1.1	47	OFF COAST OF ECUADOR
	12	23	54	53.5*	6.811	N	72.950	W	176	*	4.1		0.6	10	NORTHERN COLOMBIA
	13	00	06	55.8*	14.912	N	60.479	W	60	?			0.3	15	WINDWARD ISLANDS. MD 3.8 (TRN). Felt (II) on Mortinique.
	13	00	16	57.3&	34.272	N	116.452	W	0					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	13	00	19	51.5	2.657	N	79.861	W	33	N	5.1	4.9	0.9	139	SOUTH OF PANAMA. MD 4.6 (UPA).
o	13	00	43	00.5	6.658	N	126.860	E	22	D	5.1	4.8	1.0	100	MINDANAO, PHILIPPINE ISLANDS. Mw 5.3 (HRV).
	13	00	47	31.7&	34.028	N	116.317	W	1					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
	13	01	20	14.5?	15.45	N	119.21	E	33	N	4.4		0.8	4	LUZON, PHILIPPINE ISLANDS
a	13	02	25	49.7	8.331	N	39.308	E	12	D	5.0	4.9	1.0	99	ETHIOPIA. Mw 5.3 (HRV). Some injuries and damage in the Nozret area. Felt at Addis Ababo and Debre Zeyit.
	13	02	39	06.4?	40.19	N	29.11	E	5	G			0.3	4	TURKEY. MD 2.6 (ISK).
	13	02	44	17.6*	11.416	N	125.241	E	33	N	4.5	4.1	1.2	15	SAMAR, PHILIPPINE ISLANDS
	13	02	53	35.9	43.533	N	143.709	E	33	N	4.5		1.2	6	HOKKAIDO, JAPAN REGION
	13	03	09	39.8	31.701	S	69.942	W	120	G			0.7	20	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
	13	03	27	53.8%	40.143	N	29.210	E	5	G			0.5	9	TURKEY. MD 2.8 (ISK).
	13	03	31	20.9%	40.089	N	29.225	E	5	G			0.3	6	TURKEY. MD 2.6 (ISK).
	13	03	42	53.4	34.430	N	24.809	E	33	N	3.7		1.4	29	CRETE
	13	04	50	26.6%	46.094	N	2.781	E	10	G			0.3	9	FRANCE. ML 1.9 (LDG).
	13	05	38	10.8?	18 80	N	69.92	W	33	N			0.7	12	DOMINICAN REPUBLIC REGION
	13	09	50	16.3%	40.666	N	22.983	E	10	G			1.0	6	GREECE
	13	09	50	38.1%	40.672	N	22.980	E	10	G			1.0	6	GREECE
	13	09	56	43.8%	39.230	N	27.676	E	10	G			0.1	5	TURKEY. MD 2.9 (ISK)
	13	10	08	55.1&	62.598	N	151.240	W	99					60	CENTRAL ALASKA. <AEIC>.
	13	10	10	55.9?	39.00	N	27.72	E	5	G			0.5	4	TURKEY. MD 2.7 (ISK).
	13	10	12	12.1*	5.837	S	154.433	E	419	?	4.7		0.9	12	SOLOMON ISLANDS
	13	10	34	28.9	38.629	N	78.233	E	28	D	4.5	4.3	1.2	25	SOUTHERN XINJIANG, CHINA. ML 4.4 (BJI).
o	13	10	55	56.1	14.926	S	176.924	W	33	N	5.7	6.0	1.2	188	FIJI ISLANDS REGION. Mw 6.2 (GS), 6.2 (HRV). Mo=3.2*10**18 Nm (PPT).
	13	11	53	06.0*	57.821	S	26.163	W	33	N	4.8		1.1	21	SOUTH SANDWICH ISLANDS REGION
	13	12	09	05.1%	44.133	N	11.851	E	10	G			0.7	5	NORTHERN ITALY
	13	12	20	33.9	44.596	N	6.996	E	11				0.3	15	FRANCE. ML 1.9 (GEN), 1.9 (LDG).
	13	13	26	21.3	22.443	S	68.555	W	122	*	4.4		1.5	20	NORTHERN CHILE
	13	13	29	56.2?	20.91	S	169.38	E	92	?	4 2		1.0	8	VANUATU ISLANDS
	13	13	45	16.0&	34.300	N	116.888	W	6					8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
	13	14	28	27.0	44.829	N	111.584	W	10	G			0.9	17	HEBGEN LAKE REGION. ML 3.1 (GS), 3.4 (BUT).
	13	15	34	50 5?	31.79	S	69.67	W	130	G			0.5	5	SAN JUAN PROVINCE, ARGENTINA
	13	15	45	49.7&	38.371	N	119.312	W	13					28	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK), 2.8 (GS).
	13	16	01	50.6?	34.00	S	178.96	W	33	N	4.3		1.5	10	SOUTH OF KERMADEC ISLANDS
	13	16	06	08.7%	38 037	N	14 145	E	10	G			0.9	5	SICILY
	13	16	10	20.5&	59.370	N	152.755	W	69					46	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
	13	16	40	03.0?	17.79	S	178.37	W	610	?	4 3		1 6	10	FIJI ISLANDS REGION
	13	17	22	08.7*	43.181	N	7.759	E	10	G			0.1	7	NEAR SOUTH COAST OF FRANCE. ML 1.8 (STR).
	13	17	25	56.7&	60.011	N	152.256	W	85					42	SOUTHERN ALASKA. <AEIC>.
	13	17	51	36.7%	40.424	N	30.010	E	10	G			0.6	6	TURKEY. MD 2.6 (ISK).
	13	18	06	18.2?	45.54	N	149.70	E	176	*	4.8		0.6	10	KURIL ISLANDS
	13	18	30	10.7*	13.725	N	89.754	W	86	D	4.5		1.3	36	EL SALVADOR
	13	19	15	31.2&	61 474	N	149.765	W	36					73	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.6 (PMR). Felt (III) at Eagle River, Palmer and Wasilla.
	13	19	19	48 0%	32 872	S	70.936	W	64	?			0.3	9	CHILE-ARGENTINA BORDER REGION MD 3.3 (SAN).
	13	19	56	22.4	40.364	N	25.950	E	10	G			0.9	10	AEGEAN SEA
	13	20	35	41.1*	16.949	N	86 151	W	33	N	4.7		1.1	26	CARIBBEAN SEA
o	13	21	19	36.0	51.720	N	176.447	E	33	N	5.3	4.5	0.9	360	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.1 (HRV). ML 5.3 (PMR). Felt (II) on Shemya.
	13	21	58	44.3%	42.802	N	12.918	E	10	G			0.9	7	CENTRAL ITALY
a	13	22	11	11.8	6.699	N	123.709	E	617		5.0		0.9	98	MINDANAO, PHILIPPINE ISLANDS. Mw 5.3 (HRV).
	13	22	26	55.5%	40.415	N	28.865	E	5	G			0.9	11	TURKEY. MD 3.0 (ISK)
	14	00	46	25.2*	23.619	S	70 880	W	33	N	4.0		1.1	6	NEAR COAST OF NORTHERN CHILE
	14	01	22	57.4&	39.455	N	119.664	W	2					7	NEVADA. <GM-P>. MD 2 5 (GM).
	14	01	31	39.3%	37.041	N	3.647	W	10	G			0.7	8	SPAIN. mbLg 2.6 (MDD).
	14	01	38	36.7	38 022	N	23.038	E	10	G			1.1	6	GREECE. ML 3.0 (ATH)
	14	01	52	59 1	55.270	N	35.449	W	10	G	4 4		1.1	35	NORTH ATLANTIC OCEAN
	14	02	38	42.7?	38.53	N	23.16	E	10	G			0.6	8	GREECE. ML 2.9 (THE)
	14	03	35	01.3*	28.143	S	176.893	W	33	D	4.7		1.1	21	KERMADEC ISLANDS REGION
	14	04	35	38.6%	38.039	N	14.174	E	10	G			0.9	6	SICILY
	14	05	04	20.0?	10.99	N	60.35	W	63	*	4.2		0.8	15	TRINIDAD. MD 3.6 (TRN).
	14	05	09	26.2%	10.958	N	60.060	W	33	N			0.4	10	TRINIDAD. MD 3.3 (TRN).
	14	05	14	43.5*	18.165	S	178.247	W	579	*	4.7		0.8	20	FIJI ISLANDS REGION
	14	05	51	05.2*	7.573	S	134.270	E	33	N	4.9		1.5	13	ARU ISLANDS REGION, INDONESIA
	14	05	59	09.7%	45.174	N	7.431	E	5	G			0.5	11	NORTHERN ITALY. ML 2.0 (GEN).
	14	07	09	54.9%	31.457	S	68.924	W	117	?			0.6	8	SAN JUAN PROVINCE, ARGENTINA
	14	07	17	00.6*	10.886	N	59.901	W	33	N	3.7		0.5	9	NORTH ATLANTIC OCEAN
	14	07	17	16.7	40 803	N	28.991	E	10	G			0.4	11	TURKEY. MD 3.1 (ISK).
	14	07	19	17.3%	18.049	N	76.763	W	10	G			0.6	5	JAMAICA REGION. MD 2.5 (HOJ).
	14	07	42	57.3?	23.22	S	172.10	E	33	N	4.9		1.6	14	LOYALTY ISLANDS REGION
	14	08	33	03.1	37.719	N	21.352	E	10	G			0.7	17	SOUTHERN GREECE. ML 3.3 (ATH), 3.3 (THE).
	14	09	00	59.4	41.597	N	20.871	E	10	G			1.1	12	ALBANIA. ML 2.6 (SKO), 2.5 (TTG).
	14	09	10	01.9	41.633	N	20.791	E	10	G			1.3	15	ALBANIA. ML 3.1 (SKO), 2.9 (TTG), 2.8 (THE).
	14	09	41	39.4	46.305	N	13.419	E	10	G			1.4	6	AUSTRIA. MD 2.4 (LJU). ML 1.7 (VIE).
	14	09	41	59.8?	17.02	N	100.33	W	33	N			0.7	5	GUERRERO, MEXICO
	14	09	43	31.1	40.495	N	21.845	E	10	G			0.9	9	GREECE. ML 2.0 (THE).
	14	09	46	46.5%	18.095	N	76.760	W	10	G			0.6	5	JAMAICA REGION. MD 2.5 (HOJ).
	14	09	48	31.2%	32.544	S	71.772	W	10	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	14	09	52	09.5?	39.10	N	27.58	E	5	G			0.9	4	TURKEY. MD 2.8 (ISK).
	14	09	55	58.7?	32.42	S	71.91	W	10	G			0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	14	10	13	16.2*	35.773	N	29.133	E	10	G			0.5	7	EASTERN MEDITERRANEAN SEA. MD 3.6 (ISK).
	14	10	16	00.2?	57.14	S	157.76	E	10	G	4.5		1.7	8	MACQUARIE ISLANDS REGION
	14	10	17	43.7	37.684	N	21.342	E	10	G	4.3		1.4	64	SOUTHERN GREECE. MD 4.2 (ATH). ML 4.1 (THE).

	14	10 21 31.6*	30.471	N	128.380	E	33	N	4.0		1.1	7	NORTHWEST OF RYUKYU ISLANDS
	14	10 26 07.4%	39.081	N	27.628	E	10	G			0.6	6	TURKEY. MD 2.7 (ISK).
	14	10 38 48.7%	39.132	N	27.464	E	10	G			0.2	5	TURKEY. MD 2.7 (ISK).
	14	11 08 58.1%	41.275	S	172.476	E	233				0.4	31	SOUTH ISLAND, NEW ZEALAND
	14	11 17 27.8%	39.110	N	27.594	E	10	G			0.5	6	TURKEY. MD 2.7 (ISK).
	14	12 03 01.8&	61.481	N	149.794	W	36					57	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	14	12 38 41.9?	10.96	N	60.18	W	57	?	3.5		0.3	8	TRINIDAD. MD 2.9 (TRN).
	14	12 49 09.3	37.655	N	21.332	E	10	G			1.0	18	SOUTHERN GREECE. MD 3.4 (ATH). ML 3.4 (THE).
	14	13 04 18.4*	21.539	S	66.932	W	225	*	3.2		1.0	8	SOUTHERN BOLIVIA
	14	13 42 08.3*	38.784	N	28.757	W	10	G	4.2		0.7	15	AZORES ISLANDS. Felt (IV) on Faial and (III) on Pico.
	14	14 45 28.4*	37.979	N	21.288	E	32	*			1.3	6	SOUTHERN GREECE. MD 3.3 (ATH).
	14	14 55 18.5%	41.101	S	178.758	E	33	N			0.5	18	OFF E. COAST OF N. ISLAND, N.Z. ML 3.8 (WEL).
	14	15 32 13.4%	42.834	N	18.350	E	10	G			0.2	5	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	14	15 43 03.6*	5 054	S	153.599	E	33	N	4.8		0.9	14	NEW IRELAND REGION, P.N.G.
	14	16 05 33.1&	38.508	N	118.388	W	2					9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.2 (GM).
	14	16 28 10.1	49.145	N	6.893	E	10	G			1.1	21	GERMANY. mbLg 3.1 (UCC). ML 2.9 (GRF), 2.7 (STR).
	14	16 37 06.4&	62.855	N	148.169	W	61					43	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	14	16 47 47.5&	59.751	N	153.354	W	113					47	SOUTHERN ALASKA. <AEIC>.
	14	16 47 57.4	44.808	N	111.314	W	5	G			1.2	13	HEBGEN LAKE REGION. ML 2.7 (GS), 3.1 (BUT). Felt (III) at Horse Butte northwest of West Yellowstone, Montana.
	14	16 48 26.1	22.422	N	94.917	E	33	N	4.5		1.4	19	MYANMAR
	14	16 58 35.2	42.746	N	111.405	W	5	G			1.2	15	EASTERN IDAHO. ML 2.8 (GS), 3.0 (BUT).
	14	17 20 43.0*	51.127	N	15.880	E	10	G			1.1	5	POLAND. MG 2.8 (WAR).
	14	17 48 59.6%	17.961	N	66.725	W	33	N			0.3	6	PUERTO RICO REGION
	14	18 21 58.1*	54.549	N	161.158	E	33	N	4.5		0.7	34	NEAR EAST COAST OF KAMCHATKA
	14	18 36 51.6&	63.049	N	151.013	W	120		3.9			79	CENTRAL ALASKA. <AEIC>.
	14	19 19 59.9?	47.24	N	153.18	E	33	N	4.2		0.8	5	KURIL ISLANDS
	14	20 02 10.7*	8.656	S	122.082	E	33	N	4.1		1.4	9	FLORES REGION, INDONESIA
	14	20 45 55.5&	36.227	N	120.462	W	4					30	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (PAS), 3.2 (GS), 2.9 (BRK).
	14	21 03 48.5	37.777	N	21.373	E	10	G			1.0	16	SOUTHERN GREECE. MD 3.4 (ATH). ML 3.1 (THE).
	14	21 47 13.5*	47.221	N	8.958	E	10	G			1.1	10	SWITZERLAND. ML 2.5 (LDG), 2.3 (STR).
	14	22 26 31.5%	38.523	S	177.413	E	55	G			1.4	20	NORTH ISLAND, NEW ZEALAND
	14	22 36 44.5	12.888	N	146.083	E	26	D	5.0	4.4	1.2	60	SOUTH OF MARIANA ISLANDS
	15	00 15 01.2	7.889	S	129.651	E	33	N	4.9		1.2	37	BANDA SEA
	15	00 18 05.4	7.712	S	129.725	E	33	N	5.2		0.9	41	BANDA SEA
	15	00 19 01.2*	35 526	N	21.145	E	19	*	3.9		1.4	34	CENTRAL MEDITERRANEAN SEA. ML 3.7 (THE). MD 3.5 (ATH).
	15	01 05 15.5	40.881	N	143 239	E	33	N	3.4		1.1	13	OFF EAST COAST OF HONSHU, JAPAN
	15	02 07 24.2&	63.186	N	150.398	W	117		2.6			48	CENTRAL ALASKA. <AEIC>.
	15	02 23 23.3&	60.319	N	151.800	W	65					36	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
	15	02 57 02.0	38 493	N	29.203	W	13	D	4.7	4.0	1.0	88	AZORES ISLANDS. Felt (V) on Faial, (III) on Pico and (II) on Sao Jorge.
	15	03 25 35.4*	3.710	N	123.957	E	426	?	4.8		0.6	13	CELEBES SEA
	15	04 10 34.4*	12.288	N	89.441	W	30	D	4.6		1.3	29	OFF COAST OF CENTRAL AMERICA
	15	04 12 43.9*	12.741	N	89.432	W	29	D	4.3		0.6	17	OFF COAST OF CENTRAL AMERICA
	15	04 30 32 5	6.331	S	147.102	E	42		5.1	4.5	1.0	81	EASTERN NEW GUINEA REG., P.N.G.
	15	05 29 00.4&	60.268	N	152.083	W	79					47	SOUTHERN ALASKA. <AEIC>.
	15	07 11 50.3?	15.44	N	60.50	W	33	N			0.2	5	LEEWARD ISLANDS ML 2.6 (FDF).
	15	07 56 24.6?	38.14	N	22.76	E	10	G			0.5	4	GREECE. MD 3.0 (ATH).
	15	07 59 33.1&	34.405	N	116.464	W	6					38	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.2 (PAS), 4.2 (BRK), 4.0 (GS). Felt (III) at Moreno Valley. Also felt at Highland.
	15	08 44 24.0?	64.41	N	20.87	E	10	G	3.8		0.9	5	SWEDEN. MD 3.9 (BER). Felt.
	15	08 45 50.5	30.851	N	90.388	E	33	N	4.6		1.1	33	XIZANG
o	15	08 55 26.3	12.505	S	166.387	E	129		5.5		1.3	191	SANTA CRUZ ISLANDS. Mw 5.9 (HRV). Mo=7.9*10**17 Nm (PPT).
	15	09 10 54.4?	39.07	N	27.65	E	10	G			0.4	4	TURKEY. MD 2.7 (ISK).
	15	09 51 19.8%	39.023	N	27.621	E	10	G			0.6	6	TURKEY. MD 2.7 (ISK).
	15	10 07 16.0?	6.23	S	147.08	E	33	N	4.0		1.7	5	EASTERN NEW GUINEA REG., P.N.G. ML 4.2 (PMG).
	15	10 46 57.0	51.128	N	5.803	E	10	G			1.3	27	THE NETHERLANDS. mbLg 3.4 (UCC). ML 3.4 (LDG), 2.9 (BNS). Felt along the Germany-Netherlands border.
	15	11 14 02.4%	40.121	N	29 835	E	10	G			0.8	5	TURKEY. MD 2.6 (ISK).
a	15	12 02 13.4	20.040	S	169.187	E	46	D	5.1	4.4	1.4	148	VANUATU ISLANDS. Mw 5.1 (HRV).
	15	12 15 02.3	44 359	N	7.320	E	10	G			0.8	39	NORTHERN ITALY. ML 3.0 (LDG), 2.7 (GEN), 2.3 (STR).
	15	12 26 00.3*	36.616	N	71.133	E	76	*	4.3		0.9	12	AFGHANISTAN-TAJIKISTAN BORD REG.
	15	12 31 57.3*	37.609	N	22.177	E	33	N			1.2	15	SOUTHERN GREECE. MD 3.4 (ATH). ML 3.3 (THE).
	15	13 08 29.6?	32.13	S	71.41	W	33	N			0.8	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	15	13 17 46.6%	39 082	N	27.603	E	10	G			0.5	5	TURKEY. MD 2.8 (ISK).
	15	13 36 01.2*	53.311	S	59.732	W	21	D	5.2	4.6	1.1	47	FALKLAND ISLANDS REGION
	15	14 23 19.6%	33.513	S	70.447	W	102	?			0.2	9	CHILE-ARGENTINA BORDER REGION
	15	14 24 03.3&	60.699	N	151.983	W	89					61	KENAI PENINSULA, ALASKA. <AEIC>.
	15	14 29 40.8	25.850	N	87.473	E	30	D	5.0	4.4	1.4	60	NORTHERN INDIA. ML 4.5 (BJI).
	15	14 42 09.4*	6.897	N	73.073	W	150	*	4.4		1.8	21	NORTHERN COLOMBIA
	15	14 49 18.2	37.593	N	21.229	E	33	N	3.9		0.9	19	SOUTHERN GREECE. MD 3.7 (ATH). ML 3.6 (THE).
	15	14 53 37.0&	59.748	N	151.577	W	57					45	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	15	15 13 52.6*	37.652	N	21.214	E	33	N			0.8	13	SOUTHERN GREECE. MD 3.4 (ATH). ML 3.3 (THE).
	15	15 22 13.7*	37.612	N	21.280	E	33	N			1.2	9	SOUTHERN GREECE. MD 3.6 (ATH).
	15	16 00 41.8*	1.849	S	81.258	W	33	N	4.2		1.7	8	OFF COAST OF ECUADOR
	15	16 07 14.8?	31.81	S	67.17	W	33	N			1.3	5	SAN JUAN PROVINCE, ARGENTINA
	15	16 13 54.6	36.419	N	70.549	E	211	D	5.0		1.0	263	HINDU KUSH REGION, AFGHANISTAN. Felt at Chitral and Peshawar, Pakistan.
	15	16 15 45.5?	38.49	N	1.58	W	10	G			1.0	4	SPAIN. mbLg 2.6 (MDD).
	15	16 29 59.3?	39.31	N	28.82	E	5	G			0.6	4	TURKEY. MD 2.6 (ISK).
	15	16 51 16.4	37.616	N	137.262	E	15	D	5.0		1.1	117	NEAR WEST COAST OF HONSHU, JAPAN
	15	17 10 59.9&	35.975	N	120.521	W	11					12	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.8 (PAS), 2.6 (GS).
	15	18 04 23.8&	38.785	N	122.753	W	4					32	NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK). Felt (IV) at Middletown.
	15	18 31 48.2?	6.49	N	72.66	W	188	?	3.9		1.4	7	NORTHERN COLOMBIA
	15	18 41 56.0?	39.21	N	28.75	E	10	G			1.1	4	TURKEY. MD 2.5 (ISK).
	15	19 07 46.2%	27.770	S	67.621	W	198	?			0.6	10	CATAMARCA PROVINCE, ARGENTINA
	15	19 20 06.8?	45.90	N	1.18	W	10	G			1 9	4	FRANCE. ML 2 2 (LDG).
	15	20 14 07.7?	31.09	N	90.22	E	33	N	3.8		0.6	7	XIZANG

	15	20	31	00.7&	65.659	N	151.760	W	24				10	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	15	22	31	52.9?	21.87	S	68.30	W	141 ?	3.5		1.1	7	CHILE-BOLIVIA BORDER REGION
	15	22	39	46.9	36.732	N	141.939	E	34 D	4.9	4.5	1.1	115	NEAR EAST COAST OF HONSHU, JAPAN
	15	22	57	48.2%	45.568	N	9.823	E	10 G			0.3	5	NORTHERN ITALY
	15	23	46	45.6?	44.52	N	7.27	E	5 G			0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
	16	00	16	46.2*	49.214	N	6.938	E	10 G			1.0	5	GERMANY. MD 2.1 (UCC).
	16	00	30	47.3	28.291	N	55.730	E	33 N	4.2		0.9	31	SOUTHERN IRAN
	16	00	43	08.4	38.521	N	21.390	E	15 D	4.3		1.4	98	GREECE. ML 4.1 (TTG), 3.9 (THE). MD 4.0 (ATH).
	16	00	46	25.9?	31.13	S	68.30	W	153 *			1.3	16	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
	16	00	49	33.6*	49.146	N	6.970	E	10 G			1.4	5	GERMANY. mbLg 2.7 (UCC).
	16	01	03	25.5	19.196	N	120.975	E	33 N	4.5	4.0	1.3	28	PHILIPPINE ISLANDS REGION
	16	01	11	27.0?	13.45	N	89.33	W	67 *	4.1		0.9	7	EL SALVADOR. Felt (III) at San Salvador.
	16	01	26	51 8	55.444	N	160.176	E	171 D	4.5		1.1	32	KAMCHATKA
	16	01	36	43 5?	47 91	N	7.52	E	10 G			0.3	4	SWITZERLAND
	16	01	59	03.7?	28.98	S	176.69	W	33 N	4.3		1.4	7	KERMADEC ISLANDS REGION
	16	03	11	11.2	36 658	N	8.575	W	34 *	4.2		1.4	110	WEST OF GIBRALTAR. mbLg 4.4 (MDD). MD 4.2 (RBA). Felt (IV) in the Cabo de Sao Vicente area, Portugal. Also felt at Faro, Portugal.
	16	03	17	19.3*	32.769	S	71.666	W	90 ?			0.8	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	16	03	37	12 1&	63.254	N	150.922	W	18				41	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.1 (PMR).
	16	04	01	11.2?	23.83	S	17.15	E	33 N			1.5	5	NAMIBIA
	16	05	10	11.2*	6.745	S	156.231	E	187 *	4.6		1.3	20	SOLOMON ISLANDS
	16	05	26	04.4	40.124	S	176.888	E	28 D	4.7		1.4	47	NORTH ISLAND, NEW ZEALAND. ML 5.0 (WEL).
	16	06	26	15.9	49.150	N	6.927	E	10 G			0.8	19	GERMANY. mbLg 2.9 (UCC). ML 2.8 (STR).
	16	06	50	00.4?	27.40	N	129.59	E	33 N	4.7		1.2	14	RYUKYU ISLANDS
	16	07	03	19.4?	30.75	S	116.25	E	10 G			0.8	4	WESTERN AUSTRALIA
	16	07	04	54.7%	33.086	S	70.807	W	76 ?			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
	16	07	34	45.5%	38.041	N	14.173	E	10 G			1.1	6	SICILY
	16	07	58	24.2%	41.389	S	172.886	E	149 *			0.4	19	SOUTH ISLAND, NEW ZEALAND
	16	08	18	11.2*	47.710	N	146.900	E	396 ?	3.9		0.7	13	NORTHWEST OF KURIL ISLANDS
	16	08	21	54.4	41.424	N	20.370	E	10 G			1.1	12	ALBANIA. ML 2.5 (TTG), 2.3 (SKO).
	16	08	23	58.7	33.889	S	70.063	W	10 G			1.2	17	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
	16	09	04	37.4?	27.52	N	129.57	E	33 N	4.3		0.6	8	RYUKYU ISLANDS
	16	09	12	59.2*	24.886	S	179.630	E	547 ?	4.8		1.1	68	SOUTH OF FIJI ISLANDS
	16	09	14	31.1%	43.096	N	0.615	W	5 G			0.2	10	PYRENEES. ML 1.0 (STR).
a	16	09	16	16.2	15.472	S	173.285	W	39 D	5.1	4.9	1.1	83	TONGA ISLANDS. Mw 5.4 (HRV). Ms 4.8 (BRK).
	16	09	25	23.2?	40.12	N	21.43	E	10 G			1.4	4	GREECE
	16	11	45	20.5	29.254	N	130.764	E	33 N	4.1	4.1	0.8	13	RYUKYU ISLANDS
	16	12	59	48.7*	51.103	N	177.690	W	33 N	4.1		1.2	20	ANDREANOF ISLANDS, ALEUTIAN IS.
	16	13	36	15.7%	33.296	S	71.243	W	51 ?			0.2	9	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
	16	13	54	10.3%	41.379	N	24.330	E	10 G			0 8	7	GREECE-BULGARIA BORDER REGION. ML 2.3 (THE).
	16	14	18	43.8?	16.25	S	72.69	W	117 *	4.1		0.9	8	NEAR COAST OF PERU
	16	14	48	32.0%	40.304	N	27.088	E	5 G			1.0	5	TURKEY. MD 2.8 (ISK).
	16	14	56	46.8?	9.59	S	120.25	E	33 N	4.2		0.6	6	SUMBA REGION, INDONESIA
	16	15	03	59.0?	30.16	S	71.65	W	26			1 5	19	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	16	15	36	53.7?	11.27	S	120.02	E	33 N			1 3	6	SOUTH OF SUMBA, INDONESIA
	16	16	46	57.7?	43.72	N	7.61	E	10 G			0.2	6	NEAR SOUTH COAST OF FRANCE. ML 2.3 (GEN).
	16	16	57	12.6	43.426	N	5.432	E	10 G			0.7	15	NEAR SOUTH COAST OF FRANCE. ML 2.8 (STR).
	16	17	03	12.0?	39.02	N	29 28	W	10 G	4.7		0.2	5	AZORES ISLANDS. Felt (IV) on Faial and (III) on Pico.
	16	17	19	04.1?	20.19	S	167.99	E	35 D	4.2		1.5	12	LOYALTY ISLANDS
	16	17	21	06.1*	30.944	N	90.042	E	33 N	4.5		0 9	8	XIZANG
	16	18	01	36.7%	44.555	N	7.287	E	10 G			0.2	8	NORTHERN ITALY. ML 2.0 (GEN).
	16	19	07	36.2*	37.215	N	141.969	E	33 N	3.4		1.2	21	NEAR EAST COAST OF HONSHU, JAPAN
	16	19	26	01.7	59.309	N	144.973	W	10 G			1.0	30	GULF OF ALASKA. ML 3.0 (AEIC), 3.1 (PGC).
	16	20	39	30.2&	60.045	N	152.938	W	119				41	SOUTHERN ALASKA. <AEIC>
	16	20	47	32.7	40 097	N	20.681	E	10 G			1.0	15	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH). ML 2.8 (THE).
	16	21	11	39 5*	22.194	S	172.830	E	23 D	5.0	4.4	1.3	34	LOYALTY ISLANDS REGION
	16	21	39	12.5	23.018	S	69.305	W	84 D	5.0		1.4	52	NORTHERN CHILE
	16	22	03	50 1	13.573	N	90.798	W	33 N	3.6		1.6	11	NEAR COAST OF GUATEMALA. Felt (II) at San Salvador, El Salvador.
	16	23	11	56 2	38 806	N	21.100	E	10 G			0.7	15	GREECE. ML 3.1 (THE). MD 3.1 (ATH).
	16	23	12	10 6?	21.07	S	178.15	W	500 G	4.7		0.9	19	FIJI ISLANDS REGION
	17	00	11	59 0?	60.15	S	26.37	W	33 N	4.5		1.3	8	SOUTH SANDWICH ISLANDS REGION
	17	00	12	59.1	44.704	N	145.859	E	167 D	4.6		0.9	99	HOKKAIDO, JAPAN REGION
	17	00	21	10.4%	38 828	N	21.080	E	10 G			0 8	10	GREECE
	17	02	00	25.8	38 321	N	89.484	E	15 D	5.1		1.0	113	SOUTHERN XINJIANG, CHINA
	17	02	23	12 0%	37 467	N	3.744	W	10 G			1 0	6	SPAIN. mbLg 2.5 (MDD).
	17	02	27	53 6%	38.580	S	175.700	E	194 *			0.4	25	NORTH ISLAND, NEW ZEALAND
	17	02	28	22.7?	22.71	N	94.38	E	125 *	4.4		0.6	11	MYANMAR
	17	02	34	49.7&	61.613	N	146.798	W	27				50	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	17	02	36	14.9&	34.210	N	117.582	W	8				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.6 (GS). Felt (IV) at Mount Baldy.
	17	03	44	05.0	41.011	N	22.436	E	10 G			0.4	7	NORTHWESTERN BALKAN REGION. ML 2.1 (THE).
	17	04	15	22.6*	36.434	N	71.275	E	33 N	3.7		1.6	12	AFGHANISTAN-TAJIKISTAN BORD REG.
	17	05	16	09.0*	12.547	S	167.016	E	321 ?	4.5		1.2	61	SANTA CRUZ ISLANDS
	17	05	24	31.7&	63.220	N	151.066	W	13				42	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
o	17	05	59	49.2	7.784	S	117.392	E	280 D	5.2		1.1	155	BALI SEA. Mw 5.2 (HRV).
	17	06	07	01.6%	39.180	N	21.559	E	10 G			0.6	8	GREECE. ML 2.5 (THE).
	17	06	08	11.3	38.325	N	12.090	E	10 G			1.0	10	SICILY
	17	07	11	31.2?	39.12	N	28.06	E	10 G			0.7	4	TURKEY. MD 2.7 (ISK).
	17	07	12	09.5	6.774	N	72.903	W	182 D	4.5		0.8	69	NORTHERN COLOMBIA
a	17	07	22	44.3	35.515	N	42.647	E	18 D	4.9	4.9	1.3	173	IRAQ. Mw 5.4 (HRV). Felt in the Mosul area.
	17	08	31	11.8?	18.62	N	67.29	W	33 N			0.2	6	MONA PASSAGE
	17	08	40	33.1*	15.960	S	71.968	W	162 *	4.2		0.8	13	SOUTHERN PERU
	17	09	16	09.4	40.492	N	21.859	E	10 G			0.9	8	GREECE. ML 2.1 (THE).
	17	10	32	02.3&	59.801	N	151.799	W	50				40	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	17	11	21	29.3%	32.268	S	71.768	W	33 N			1.0	15	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	17	11	27	11.3%	31.454	S	68.737	W	120 ?			0.7	7	SAN JUAN PROVINCE, ARGENTINA
	17	11	28	57.3?	15.36	S	70.53	W	187 ?	3.4		0.8	6	SOUTHERN PERU
	17	11	53	18.1&	36.290	N	120.880	W	10				25	CENTRAL CALIFORNIA. <BRK>. MD 2.8 (GM). ML 2.7 (PAS), 2.6 (BRK).
	17	12	21	32.9?	47.27	N	11.24	E	10 G			0.2	4	AUSTRIA. ML 1.3 (VIE).

	17	13	22	40.5%	39.087	N	27.535	E	10	G		0.4	5	TURKEY. MD 2.7 (ISK).
	17	13	31	09.1	33.800	N	32.129	E	28		4.4	1.3	47	EASTERN MEDITERRANEAN SEA. ML 4.3 (CSS). MD 4.1 (RYD).
	17	13	45	47.1	40.084	N	20.747	E	10	G		1.4	17	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH). ML 3.0 (THE).
	17	13	51	36.0?	38.73	N	23.50	E	10	G		0.3	6	GREECE
	17	14	46	53.8?	36.79	N	72.72	E	33	N		0.9	8	AFGHANISTAN-TAJIKISTAN BORD REG.
	17	14	54	03.5%	21.541	S	126.294	E	10	G		1.2	5	WESTERN AUSTRALIA
	17	14	58	44.2%	39.382	N	27.830	E	5	G		0.9	8	TURKEY. MD 2.9 (ISK).
	17	15	07	11.8*	13.628	N	144.590	E	142		4.5	1.1	16	MARIANA ISLANDS
	17	15	39	45.9?	21.45	S	66.80	W	202	?		0.9	7	SOUTHERN BOLIVIA
	17	16	06	05.4	33.527	N	72.508	E	13	D	5.0 4.5	1.1	89	PAKISTAN. MD 5.0 (NDI). Felt in the Islamabad-Rawalpindi area.
	17	16	22	41.3?	48.82	N	9.90	E	10	G		1.4	7	GERMANY. ML 2.4 (VIE).
	17	16	30	00 4%	40 746	N	23.278	E	10	G		0.6	6	GREECE
	17	16	38	43 0	3 340	S	137.093	E	84	*	4.5	1.0	17	IRIAN JAYA, INDONESIA
	17	16	45	37.6&	60.539	N	140.604	W	16				15	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PGC).
	17	16	48	26.5?	32.25	S	70.48	W	110	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	17	17	02	07.5%	31.968	S	67.220	W	143	?		0.3	8	SAN JUAN PROVINCE, ARGENTINA
a	17	17	46	23.5	6.002	S	150.604	E	25	D	5.1 5.2	1.2	103	NEW BRITAIN REGION, P.N.G. Mw 5.6 (HRV).
	17	17	49	33.8%	45 070	N	7.156	E	10	G		0.5	6	NORTHERN ITALY. ML 2.0 (GEN).
	17	18	34	05.1?	37.36	N	9.33	W	10	G		1.0	18	PORTUGAL. mbLg 3.0 (MDD).
	17	18	56	54.2	43.423	N	5.448	E	10	G		0.7	16	NEAR SOUTH COAST OF FRANCE. ML 2.8 (STR).
	17	19	10	47.2&	34.944	N	116.778	W	3				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	17	19	41	13.5&	57.581	N	142.522	W	10	G			5	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).
	17	20	05	16.7%	42.632	N	18.932	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	17	21	31	45.9	36.480	N	12.825	E	12			1.1	22	CENTRAL MEDITERRANEAN SEA
	17	21	31	49.7*	9.160	N	126.319	E	33	N	4.7	0.8	14	MINDANAO, PHILIPPINE ISLANDS
	17	21	52	07.2&	58.366	N	142.637	W	10	G			23	GULF OF ALASKA. <AEIC> ML 2.5 (AEIC).
	17	22	03	36.1%	37.806	N	14.982	E	10	G		0.6	5	SICILY
	17	22	48	33.3%	44.108	N	11.793	E	10	G		1.1	5	NORTHERN ITALY
	17	23	27	41.4*	26.258	N	92.805	E	28	*	4.2	1.7	8	NORTHEASTERN INDIA. ML 4.2 (NDI).
	17	23	37	25.2?	21.64	N	99.67	W	33	N	3.2	1.5	5	CENTRAL MEXICO
	18	00	16	11.9?	15.64	S	75.39	W	33	N	4.1	1.4	11	NEAR COAST OF PERU
	18	01	22	05.9*	15.580	S	75.284	W	33	N	4.3 4.7	1.3	14	NEAR COAST OF PERU
	18	01	47	03.1	33.664	N	136.719	E	389		4.6	1.0	54	NEAR S. COAST OF WESTERN HONSHU
	18	02	24	07.8?	68.10	N	13.77	E	10	G		1.4	5	NORTHERN NORWAY. MD 3.4 (BER).
	18	02	35	13.8	39.952	N	23.719	E	5	G		0 5	8	AEGEAN SEA. ML 2.2 (THE).
	18	02	56	57.4	37 502	N	137.733	E	33	N	4.5	1.5	18	NEAR WEST COAST OF HONSHU, JAPAN
	18	04	01	42.0?	32.74	S	70.87	W	67	?		0 3	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	18	04	15	02.9	37.699	N	57.828	E	33	D	4.6	1.0	27	TURKMENISTAN-IRAN BORDER REGION ML 5.1 (TEH). Felt in the Bojnurd area, Iran
	18	04	22	22.9&	60 072	N	152.918	W	118		3.1		55	SOUTHERN ALASKA. <AEIC>.
	18	04	37	39.3*	1.022	S	127.567	E	29	D	4.8	0.7	17	HALMAHERA, INDONESIA
	18	05	30	16.2*	10 830	N	62.531	W	15			1.0	24	NEAR COAST OF VENEZUELA. MD 3.9 (TRN).
	18	06	32	35 2%	43.413	N	5.460	E	10	G		0.5	9	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
	18	06	48	12 5?	5 32	S	151.71	E	97	?	4.6	1 5	7	NEW BRITAIN REGION, P.N.G.
	18	07	20	03.2&	58 062	N	155.908	W	115		3.2		39	ALASKA PENINSULA. <AEIC>
	18	07	20	22.7	38.674	N	141.702	E	75		4.6	1.2	23	NEAR EAST COAST OF HONSHU, JAPAN
	18	08	12	55.9?	10.69	N	86.71	W	33	N	3.9	1.5	9	OFF COAST OF COSTA RICA. MD 4.3 (APY).
	18	08	43	52 3*	22.922	S	66.697	W	207	?		0.9	8	JUJUY PROVINCE, ARGENTINA
	18	09	04	16.2	40.478	N	21.880	E	10	G		0 9	8	GREECE ML 2.0 (THE).
	18	09	43	14.7*	53.502	N	164.845	W	33	N	4.7	1.0	43	UNIMAK ISLAND REGION. ML 4.5 (PMR).
	18	10	04	31.4	53.547	N	164.262	W	33	N	4.7	1.2	62	UNIMAK ISLAND REGION. Felt (II) at Akutan.
a	18	10	10	48.4	0.457	S	19.454	W	10	G	5.2 5.8	1.0	206	CENTRAL MID-ATLANTIC RIDGE. Mw 6.3 (HRV).
	18	11	14	15 4	53 513	N	164.513	W	33	N	4.5	0.9	34	UNIMAK ISLAND REGION. ML 4.5 (PMR).
	18	11	23	40.7*	28.937	N	141.446	E	33	N	4.4	1.2	29	BONIN ISLANDS REGION
	18	11	54	34 7	15 039	N	91.682	W	22	D	4.7	1.0	46	MEXICO-GUATEMALA BORDER REGION
	18	12	14	43.6	36.714	N	74.075	E	28	D	5.0 4.5	0.9	99	NORTHWESTERN KASHMIR. ML 4.8 (BJI).
	18	12	19	25.6*	51.266	N	15.781	E	10	G		1.6	7	POLAND. ML 3.4 (VIE).
	18	12	42	53.7*	51.498	N	16.166	E	10	G		0.5	12	POLAND. ML 3.7 (GRF), 3 5 (VIE)
	18	12	54	45.0?	39.13	N	27.61	E	10	G		0.1	4	TURKEY. MD 2.6 (ISK).
	18	13	27	01.0*	50.054	N	29.039	W	10	G	4.4 3.9	0 8	17	NORTHERN MID-ATLANTIC RIDGE
	18	13	28	18.9	44.477	N	114.785	W	5	G		0.7	48	WESTERN IDAHO. ML 3.8 (GS), 4.0 (BUT). Felt (IV) at Challis and (II) at Clayton. Also felt at Stanley.
	18	13	35	31.9*	49.956	N	29.097	W	10	G	4.5	0.9	26	NORTHERN MID-ATLANTIC RIDGE
	18	14	28	50.8	44.401	N	114.654	W	5	G		0.6	10	WESTERN IDAHO. ML 2.9 (GS), 3.1 (BUT).
	18	15	39	50 9	34 030	S	70.175	W	10	G		0 8	16	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN).
	18	16	19	51 5	44.514	N	114.823	W	5	G		0.7	54	WESTERN IDAHO. ML 4.0 (GS), 4.1 (BUT). Felt (IV) at Clayton, (III) at Challis and (II) at Yellow Pine. Also felt at Stanley.
	18	16	38	03.2	48.337	N	154.803	E	37	D	4.7 4.2	0.8	45	KURIL ISLANDS
	18	16	45	32 3?	35.44	N	141.08	E	33	N	4.6	1.4	7	NEAR EAST COAST OF HONSHU, JAPAN
	18	17	06	16.9	52.208	N	152.551	E	428	*	4.5	0.8	111	NORTHWEST OF KURIL ISLANDS
	18	17	09	37.8?	7.31	S	133.38	E	33	N	4.5	1.1	10	ARU ISLANDS REGION, INDONESIA
	18	17	14	35.9	61.122	N	150.242	W	10	G		1.0	8	SOUTHERN ALASKA. ML 2.8 (PMR), 2.4 (AEIC). Felt (II) at Anchorage.
	18	17	23	36.2	53.462	N	164.495	W	33	N	4.4	0.7	28	UNIMAK ISLAND REGION. ML 4.4 (PMR).
	18	18	27	39.4	46.979	N	112.852	W	5	G		0.5	10	MONTANA. ML 3.0 (GS), 3.4 (BUT).
	18	18	28	17.2	38.247	N	22.869	E	10	G		1.0	13	GREECE. MD 3.0 (ATH). ML 2.7 (THE).
	18	18	48	18.7%	38.339	N	13.082	E	10	G		1.0	8	SICILY
	18	18	58	26.5?	38.09	S	175.53	E	276	?		0.4	14	NORTH ISLAND, NEW ZEALAND
a	18	19	35	36.8	52.998	S	72.687	E	10	G	5.5 4.9	1.3	115	KERGUELEN ISLANDS REGION. Mw 5.4 (HRV).
	18	20	12	49.1&	63.248	N	151.106	W	9				45	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
	18	20	39	52.1%	44.393	N	7.329	E	10	G		0.1	5	NORTHERN ITALY. ML 1.7 (GEN).
	18	22	02	43.7%	34.028	S	70.134	W	10	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	18	22	24	15.2&	50.536	N	130.298	W	10	G			10	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.3 (PGC).
	18	23	17	08.2%	40.225	S	174.123	E	133	*		0.4	22	COOK STRAIT, NEW ZEALAND
	18	23	26	57.4	44.775	N	140.921	E	243	*	4.3	0.9	56	EASTERN SEA OF JAPAN
	18	23	31	18.9?	31.44	S	67.92	W	10	G		1 3	4	SAN JUAN PROVINCE, ARGENTINA
	18	23	56	15.1?	22.14	S	68.59	W	33	N		1 6	7	NORTHERN CHILE
a	19	00	43	16.6	27.813	S	74.097	E	10	G	5.1 4 8	0.9	43	MID-INDIAN RIDGE. Mw 5.2 (HRV).
	19	00	57	59.4	43.038	N	0.331	W	10	G		1.4	16	PYRENEES. ML 2.8 (LDG). mbLg 2.6 (MDD). Felt (III) in the Bearn area, France.

	19	01	06	14.5*	40.543	N	23.966	E	10	G		1.7	7 GREECE. MD 3.1 (ATH).
	19	01	44	47.0*	27.900	S	66.556	W	200	*		0.9	10 CATAMARCA PROVINCE, ARGENTINA
	19	02	06	13.4%	40.388	N	23.989	E	10	G		0.4	11 GREECE. ML 3.1 (THE).
	19	02	30	04.0	36.464	N	70.840	E	189	D	4.2	0.9	39 HINDU KUSH REGION, AFGHANISTAN
	19	02	35	57.3*	23.812	N	121.894	E	33	N	4.4	1.1	14 TAIWAN. ML 4.3 (BJI).
	19	02	53	36.6%	40.118	N	27.258	E	5	G		0.9	5 TURKEY. MD 2.7 (ISK).
	19	03	38	02.6&	36.880	N	121.623	W	5				28 CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK), 3.0 (GS). Felt (III) at Aromas. Also felt at San Juan Bautista and in the Salinas area.
	19	04	01	01.9*	52.865	S	72.779	E	10	G	5.2	1.5	21 KERGUELEN ISLANDS REGION
	19	04	02	43.1	30.842	N	141.758	E	36	D	4.6 4.0	1.0	26 SOUTH OF HONSHU, JAPAN
	19	04	18	41.3*	51.605	N	16.185	E	10	G		0.5	17 POLAND. MD 3.7 (GRF), 3.4 (VIE).
	19	04	26	28.1	36.401	N	71.404	E	118	*	4.6	1.4	23 AFGHANISTAN-TAJIKISTAN BORD REG.
	19	04	34	35.8?	39.45	N	15.38	E	10	G		0.2	4 SOUTHERN ITALY
	19	04	38	57.2?	38.88	S	174.82	E	266	*		0.4	33 NORTH ISLAND, NEW ZEALAND
	19	04	55	39.1	44.409	N	10.430	E	10	G		1.2	12 NORTHERN ITALY. ML 2.5 (LDG).
	19	06	00	01.8	41.826	N	22.681	E	10	G		1.1	15 NORTHWESTERN BALKAN REGION. ML 2.9 (THE).
	19	06	09	56.2%	38.901	S	176.113	E	134	*		0.6	23 NORTH ISLAND, NEW ZEALAND
	19	07	29	09.3	43.270	N	18.900	E	10	G		0.5	9 NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).
	19	07	34	12.5*	11.105	N	125.787	E	33	N	4.7	1.2	21 SAMAR, PHILIPPINE ISLANDS
	19	08	17	03.8	21.495	N	143.501	E	256	*	4.5	1.4	43 MARIANA ISLANDS REGION
	19	08	28	26.9?	25.15	S	179.22	E	560	?	4.9	1.5	31 SOUTH OF FIJI ISLANDS
	19	08	58	40.0&	60.598	N	148.498	W	13				38 KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	19	09	03	30.0?	33.13	S	72.12	W	10	G		0.3	9 OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	19	09	13	20.8%	39.075	N	27.604	E	10	G		0.8	5 TURKEY. MD 2.8 (ISK).
	19	10	16	56.6	40.459	N	21.838	E	10	G		0.9	10 GREECE. ML 2 0 (THE).
	19	10	19	02.6?	39.12	N	27.61	E	10	G		1.0	4 TURKEY. MD 2.6 (ISK).
	19	10	55	07.1?	31.14	S	68.72	W	115	?		0.1	6 SAN JUAN PROVINCE, ARGENTINA
	19	11	10	41.3?	32.33	S	70.44	W	100	G		0.5	9 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	19	11	22	22.0?	10.32	S	120.29	E	33	N	4.6	0.7	16 SUMBA REGION, INDONESIA
	19	11	35	20.0*	48.104	N	153.117	E	113	?	4.5	1.3	27 KURIL ISLANDS
	19	12	43	37.7?	42.54	N	23.86	E	10	G		1.1	7 BULGARIA
	19	12	47	40.2%	40.488	N	28.736	E	10	G		0.5	10 TURKEY. MD 2.8 (ISK).
	19	12	48	40 2*	34.867	N	110.853	E	10	G		1.3	11 SOUTHEASTERN CHINA. ML 3.5 (BJI).
	19	13	02	23.6?	40.61	N	29.86	E	5	G		0.1	4 TURKEY. MD 2.5 (ISK).
	19	14	07	02.4?	42.92	N	140.90	E	33	N	4.6	0.2	6 HOKKAIDO, JAPAN REGION
	19	14	08	41.6	2.058	N	97.264	E	23	D	4.8 4.3	1.1	31 NORTHERN SUMATERA, INDONESIA
	19	14	13	57.4?	17.99	N	76.78	W	10	G		0.8	4 JAMAICA REGION. MD 3.2 (HOJ). Felt at Morant Bay.
	19	14	30	24.8?	34.52	S	71.81	W	33	N		0.3	9 NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	19	14	42	58.8?	43.40	N	6.42	E	10	G		1.1	4 NEAR SOUTH COAST OF FRANCE
	19	15	06	49 2%	39.191	N	29.094	E	5	G		0.8	13 TURKEY. MD 3.0 (ISK).
	19	15	14	53.0?	36.56	S	177.10	E	339	?		0.5	26 OFF E. COAST OF N. ISLAND, N.Z.
	19	15	42	33.1	6.625	S	130.594	E	33	N	5.0	1.2	40 BANDA SEA
	19	16	28	18.8?	37.47	N	71.02	E	33	N	4.1	0.4	7 AFGHANISTAN-TAJIKISTAN BORD REG.
	19	16	36	17.1	60.602	N	141.124	W	10	G		0.7	16 SOUTHEASTERN ALASKA. ML 2 8 (PGC), 2 6 (AEIC).
	19	16	38	38.9&	59.770	N	154.016	W	149				35 SOUTHERN ALASKA. <AEIC>.
	19	16	51	07 8&	63.154	N	151.812	W	0				11 CENTRAL ALASKA. <AEIC>. ML 2.2 (AEIC), 2.8 (PMR).
	19	17	36	27 4&	34.306	N	116.858	W	3				10 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	19	17	45	00.3?	37.99	N	27.07	E	10	G		1.3	5 TURKEY. MD 3.0 (ISK).
	19	18	01	54.5*	43.767	N	18.259	E	5	G		1.0	10 NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
	19	19	26	29.8*	6.261	S	147.380	E	48	*	4.5 3.9	1.4	23 EASTERN NEW GUINEA REG., P.N.G.
	19	19	27	46.7*	37.934	N	26.712	E	10	G		0.6	7 DODECANESE ISLANDS. MD 3.3 (ISK).
	19	19	39	58.9*	37.909	N	26.717	E	10	G		0.6	5 DODECANESE ISLANDS. MD 3.0 (ISK).
	19	19	56	31 2%	31.577	S	67.877	W	12			1.0	10 SAN JUAN PROVINCE, ARGENTINA
	19	20	01	47.3?	33.74	S	71.90	W	10	G		0.7	10 NEAR COAST OF CENTRAL CHILE. MD 3 6 (SAN).
	19	20	56	00.5	49.189	N	6.782	E	10	G		1.2	8 GERMANY. MD 2.8 (UCC)
	19	21	51	24 9	5.776	N	126.204	E	123	*	4.7	1.1	42 MINDANAO, PHILIPPINE ISLANDS
	19	23	57	28.5&	34.599	N	116.634	W	4				7 SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
	20	00	31	53.3	7.740	S	22.213	E	16	D	4.8	1.3	28 ZAIRE
	20	01	22	15.6%	40.066	N	29.306	E	10	G		0.2	10 TURKEY. MD 2.7 (ISK)
	20	01	47	55.3	10.657	S	162.284	E	28	D	5.0 4.8	1.3	50 SOLOMON ISLANDS
	20	01	57	09.1	52.839	S	73.232	E	10	G	5.3	0.9	36 KERGUELEN ISLANDS REGION
	20	02	08	48.4%	32.108	S	68 363	W	100	G		0.8	8 MENDOZA PROVINCE, ARGENTINA
	20	02	31	09.0	44.709	N	18.535	E	10	G		1.0	19 NORTHWESTERN BALKAN REGION. MD 3.5 (TRI).
	20	04	02	32.0	37.757	N	22.294	E	33	N		1.1	18 SOUTHERN GREECE. MD 3.5 (ATH). ML 3.1 (THE).
	20	04	31	19.2*	12.316	N	88.210	W	33	N	4.5	1.3	26 OFF COAST OF CENTRAL AMERICA
	20	06	18	57.3?	21.67	S	68.52	W	151	?		0.9	6 CHILE-BOLIVIA BORDER REGION
	20	06	30	16 4%	37 000	S	176.761	E	271	?		0 5	26 NORTH ISLAND, NEW ZEALAND
	20	06	53	38.2*	47.035	N	154.142	E	33	N	4.9	1.1	24 KURIL ISLANDS
	20	06	57	51.5%	32.777	S	70.477	W	100	G		0.2	9 CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
a	20	07	11	52.1	22.110	S	174.838	W	44	D	5.6 5.5	1.4	88 TONGA ISLANDS REGION. Mw 5.5 (HRV).
	20	08	28	29.4?	20.29	S	173.21	W	33	N	4.7	1.0	8 TONGA ISLANDS
	20	08	33	20.0%	39.100	N	27.609	E	10	G		0.3	6 TURKEY. MD 2.8 (ISK).
	20	08	53	21.8	41.168	N	28.722	E	10	G		0.5	10 TURKEY. MD 2.8 (ISK).
	20	08	54	54.8&	61.990	N	151.175	W	91				8 SOUTHERN ALASKA. <AEIC>. Felt (III) at Skwentna.
	20	09	04	49.2*	54.044	N	163.304	W	33	N	4.4	1.3	19 UNIMAK ISLAND REGION. Felt (III) at False Pass.
	20	09	16	17.8	47.092	N	153.883	E	15	D	4.9	1.0	63 KURIL ISLANDS
	20	09	39	08.6?	40.92	N	24.17	E	10	G		0.8	6 AEGEAN SEA. ML 2.0 (THE).
	20	09	47	23.8*	26.684	S	26.727	E	5	G		1.7	7 REPUBLIC OF SOUTH AFRICA. mbLg 3.7 (BUL).
	20	09	50	47.9%	40.660	N	23.007	E	5	G		0.6	7 GREECE. ML 1.5 (THE).
	20	09	59	11.7%	39.030	N	27.714	E	10	G		0.4	6 TURKEY. MD 2.7 (ISK).
	20	10	11	29.7%	40.785	N	23.258	E	10	G		0.6	7 GREECE. ML 1.7 (THE).
	20	10	21	43.0	49.155	N	6.865	E	10	G		0.9	34 GERMANY. mbLg 3.4 (UCC). ML 3.3 (STR), 3.2 (VIE), 2.9 (BNS).
	20	11	39	28.2*	47.351	N	153.883	E	33	N	4.8 4.6	0.9	44 KURIL ISLANDS
	20	11	40	03.9?	42.92	N	145.74	E	64	*		0.7	19 HOKKAIDO, JAPAN REGION
	20	11	40	33.0*	47.078	N	154.053	E	17	D	5.0 4.4	0.9	52 KURIL ISLANDS
	20	11	48	50.5	44.387	N	7.313	E	10	G		0.4	7 NORTHERN ITALY. ML 1.8 (GEN).
	20	12	36	30.0*	46.947	N	154.215	E	16	D	4.9 4.2	1.1	45 EAST OF KURIL ISLANDS
	20	12	38	33.6?	30.21	S	67.98	W	33	N		0.6	5 SAN JUAN PROVINCE, ARGENTINA
	20	13	08	10.1	42.830	N	101.461	W	5	G	3.1	0.8	12 NEBRASKA. mbLg 3.5 (GS). Felt (IV) at Merriman.
	20	13	18	29.2?	37.09	S	178.15	E	134	*	4.7	1.0	11 OFF E. COAST OF N. ISLAND, N.Z.
	20	14	15	50.0?	7.04	N	126.36	E	33	N	4.4	1.0	7 MINDANAO, PHILIPPINE ISLANDS

	20	14	31	03.9	41.010	N	33.348	E	10	G			0.8	10	TURKEY. MD 3.9 (ISK).
	20	14	49	17.2?	15.06	N	59.66	W	10	G			0.1	8	LEEWARD ISLANDS. ML 3.0 (FDF).
	20	15	07	02.2&	38.104	N	119.081	W	13					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
	20	15	26	00.3?	33.06	S	179.10	W	77	?	5.1		1.4	22	SOUTH OF KERMADEC ISLANDS
	20	15	37	39.5*	19.265	S	69.464	W	123	*	4.5		0.7	9	NORTHERN CHILE
	20	16	12	54.1*	6.931	N	73.138	W	172	*	3.7		1.2	9	NORTHERN COLOMBIA
	20	16	13	29.5?	40.99	N	28.80	E	10	G			1.2	4	TURKEY. MD 2.6 (ISK).
	20	16	22	05.7?	54.78	N	160.95	E	33	N	4.4		0.9	10	NEAR EAST COAST OF KAMCHATKA
	20	16	28	39.4%	38.930	N	29.695	E	5	G			1.2	8	TURKEY. MD 3.0 (ISK).
	20	17	33	31.9	32.380	N	90.110	E	28	D	4.6	4.2	1.3	41	XIZANG
	20	19	08	07.2%	38.944	N	27.822	E	10	G			0.6	7	TURKEY. MD 2.9 (ISK).
	20	20	32	19.6*	52.754	S	73.422	E	10	G	5.1		1.0	25	KERGUELEN ISLANDS REGION
	20	21	40	07.8%	42.383	N	19.160	E	10	G			0.9	6	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	20	21	45	55.9	42.159	N	125.717	W	10	G			0.5	36	OFF COAST OF OREGON
	20	22	28	03.2	36.736	N	71.356	E	33	N	4.3		0.8	10	AFGHANISTAN-TAJIKISTAN BORD REG.
	20	22	29	09.5*	39.587	N	25.283	E	10	G			1.4	9	AEGEAN SEA. ML 2.9 (THE).
	20	22	39	07.1?	47.99	N	147.33	E	424	?	3.8		1.1	15	NORTHWEST OF KURIL ISLANDS
	20	23	18	55.2*	22.866	S	174.179	W	33	N	5.0		1.3	31	TONGA ISLANDS REGION
	20	23	32	17.6?	36.94	N	71.11	E	33	N			0.3	6	AFGHANISTAN-TAJIKISTAN BORD REG.
	20	23	51	31.2	46.189	N	14.008	E	10	G			1.1	34	NORTHWESTERN BALKAN REGION. MD 3.7 (LJU), 3.0 (TRI). ML 3.1 (VIE).
	21	00	46	20.0	45.789	N	15.211	E	10	G			0.9	9	NORTHWESTERN BALKAN REGION. MD 2.8 (LJU), 2.5 (TRI).
	21	01	35	25.3*	44.398	N	147.169	E	33	N	4.7		1.1	47	KURIL ISLANDS
	21	02	33	02.3?	45.64	N	27.50	E	10	G			1.1	4	ROMANIA
	21	02	55	52.6%	42.554	N	13.274	E	10	G			0.3	6	CENTRAL ITALY
	21	03	33	08.3&	62.853	N	150.025	W	83		2.6			71	CENTRAL ALASKA. <AEIC>.
	21	04	41	25.1*	9.670	N	126.457	E	33	N	4.6		1.1	16	MINDANAO, PHILIPPINE ISLANDS
	21	05	44	08.4*	21.285	S	68.929	W	160	?			0.7	8	CHILE-BOLIVIA BORDER REGION
	21	06	23	52.1	31.128	S	67.840	W	10	G			0.9	10	SAN JUAN PROVINCE, ARGENTINA
	21	06	28	03.6%	39.106	N	29.367	E	10	G			1.2	7	TURKEY. MD 2.8 (ISK).
	21	06	32	31.6*	10.110	N	93.100	E	78	?	4.8		1.1	11	ANDAMAN ISLANDS, INDIA
	21	06	38	49.7?	14.78	N	60.79	W	33	N			0.1	4	WINDWARD ISLANDS. ML 2.0 (FDF).
a	21	07	13	20.1	6.726	S	127.636	E	368	D	5.3		0.9	192	BANDA SEA. Mw 5.7 (HRV).
	21	07	26	03.2?	22.66	S	66.14	W	270	?			1.5	5	JUJUY PROVINCE, ARGENTINA
	21	07	36	45.6&	60.120	N	151.661	W	54					44	KENAI PENINSULA, ALASKA <AEIC>. ML 2.8 (AEIC).
	21	08	23	05.1	30 805	S	71.850	W	7		4.0		0.9	26	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
	21	08	36	56.0&	36.597	N	121.198	W	8					17	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	21	08	39	25.3	20.221	S	133.730	E	5	G	4.6		1.1	24	NORTHERN TERRITORY, AUSTRALIA. Felt at Tennant Creek.
	21	08	46	36.0?	37.79	S	176.26	E	251	?			0.2	13	NORTH ISLAND, NEW ZEALAND
	21	08	57	12.4&	34.168	N	116.429	W	8					8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	21	09	30	19.5?	50.47	N	6.80	E	10	G			0.4	4	GERMANY
	21	09	37	54.6	58.300	N	120.617	E	33	N	4.3		1.1	14	SOUTHEASTERN SIBERIA, RUSSIA
	21	09	41	21.9?	39.07	N	27.55	E	10	G			1.4	4	TURKEY. MD 2 6 (ISK).
	21	09	55	37.0%	39.062	N	27.669	E	10	G			0.7	6	TURKEY. MD 2 9 (ISK)
	21	10	18	58.4*	29.159	S	67.586	W	130	?			0.3	6	LA RIOJA PROVINCE, ARGENTINA
	21	10	20	04.1?	32.10	S	179.72	E	436	?	4.2		1.1	23	SOUTH OF KERMADEC ISLANDS
	21	11	22	45.1	36.652	N	8.716	W	33	N			0.7	32	WEST OF GIBRALTAR. MD 3 6 (RBA). mbLg 3.5 (MDD).
	21	11	38	13.3	36.672	N	8.780	W	33	N			0.8	29	WEST OF GIBRALTAR. mbLg 3.8 (MDD). MD 3.7 (RBA).
	21	12	01	45.8?	44.40	N	7.34	E	5	G			0.0	4	NORTHERN ITALY. ML 1.6 (GEN).
	21	12	10	52.0&	60.131	N	153.299	W	130					44	SOUTHERN ALASKA <AEIC>.
	21	12	11	31.5?	30.82	S	72.03	W	23				0.9	15	OFF COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	21	12	13	00.4	45.413	N	5.088	E	9				1.2	39	FRANCE. ML 3.5 (LDG), 2.9 (STR).
	21	12	35	34.9*	36.671	N	8.693	W	10	G			0.9	12	WEST OF GIBRALTAR. MD 2.9 (RBA). mbLg 2.9 (MDD).
	21	13	12	34.6%	15.397	N	61.073	W	90	G			0.7	8	LEEWARD ISLANDS
	21	13	24	40.1?	39.63	N	21.86	E	10	G			0.4	4	GREECE
	21	13	30	28.7?	37.69	N	28.40	E	10	G			0.5	4	TURKEY
	21	13	35	45.4%	39.207	N	9.391	W	10	G			1.0	14	PORTUGAL. mbLg 3.1 (MDD).
	21	13	46	56.4%	39.017	N	27.628	E	10	G			1.1	5	TURKEY. MD 2.8 (ISK).
	21	13	47	24.3%	18.392	N	67.377	W	13				0.4	7	MONA PASSAGE
	21	13	56	04.9*	49.934	N	7.085	E	10	G			0.9	7	GERMANY. ML 2.7 (LDG).
	21	14	34	48.8	49.776	N	7.195	E	10	G			1 5	16	GERMANY. ML 2.9 (LDG), 2.5 (BNS).
	21	16	07	54.2&	45.655	N	113.592	W	31					7	MONTANA. <BUT>. ML 3.2 (BUT).
	21	16	37	49.9?	35.29	S	71.30	W	110	G			0.4	8	CENTRAL CHILE
	21	17	00	12.0*	53.367	N	107.872	E	10	G	4.0		0.3	6	LAKE BAYKAL REGION, RUSSIA
	21	17	25	03.8*	12.713	N	89.284	W	33	N	4.4		1.2	22	OFF COAST OF CENTRAL AMERICA
	21	18	03	48.1%	38 760	N	24.309	E	10	G			0.5	10	AEGEAN SEA. ML 3.0 (THE).
	21	18	16	05.8%	40.695	N	22.754	E	10	G			0.6	7	GREECE. ML 1.8 (THE).
	21	18	21	58.1?	14.78	N	60.72	W	33	N			0.2	4	WINDWARD ISLANDS. ML 2.6 (FDF).
	21	18	48	13.8?	34.59	N	25.42	E	106	?	3.6		0.4	7	CRETE
	21	18	58	17.5	2.447	N	128.339	E	160	D	5.2		0.9	146	HALMAHERA, INDONESIA
	21	19	29	06.1	47.853	N	7.430	E	10	G			0.4	11	SWITZERLAND. ML 2.3 (LDG), 1.7 (STR).
	21	19	36	03.5	43.074	N	0.603	W	10	G			0.2	11	PYRENEES. ML 2.3 (LDG).
	21	20	31	05.9*	38.309	N	29.070	W	10	G	4.5		0.8	15	AZORES ISLANDS. Felt (IV) at Praia do Norte and Feteira; (III) at Castelo Branco, Flamengos, Salao, Cedros and Horta on Faial. Felt (III) at Madelena, Candelaria, Sao Mateus, Sao Caetano, Bandeiras, Santa Luzia, Santa Antonia, Sao Roque da Pica, Prainha and Santa Amaro on Pica. Felt (II) at Rosas, Santa Antao, Velas and Calheta on Sao Jorge.
	21	20	56	44.1	28.999	N	52.114	E	33	N	4.6		1.2	37	SOUTHERN IRAN. MD 4.4 (RYD).
	21	21	58	51.5%	18.521	N	67.191	W	33	N			0.6	6	MONA PASSAGE
	21	22	47	16.1	53.925	N	163.724	W	33	N	4.9		0.8	53	UNIMAK ISLAND REGION. ML 4.5 (PMR).
	21	23	32	12.5&	56.445	N	155.510	W	120					22	ALASKA PENINSULA. <AEIC>.
	21	23	36	15.9	18.027	S	174.308	W	88	D	5.0		0.9	42	TONGA ISLANDS
	21	23	39	22.6*	53.206	S	72.725	E	10	G	5.1		0.9	12	KERGUELEN ISLANDS REGION
a	22	00	08	55.0	47.191	N	154.125	E	33	D	5.4	5.4	0.9	309	KURIL ISLANDS. Mw 5.7 (HRV).
	22	00	24	45.9?	47.33	N	154.14	E	33	N	4.5		0.2	8	KURIL ISLANDS
	22	00	26	52.6	47.167	N	154.041	E	33	N	4.9		1.0	78	KURIL ISLANDS
	22	01	01	46.5?	32.44	S	71.89	W	10	G			0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	22	01	36	14.6?	23.40	S	179.00	W	357	?	3.8		0.8	16	SOUTH OF FIJI ISLANDS
	22	01	46	43.8	47.542	N	153.660	E	33	N	4.7		0.8	44	KURIL ISLANDS
	22	02	07	55.0?	41.65	N	23.72	E	10	G			0.2	6	GREECE-BULGARIA BORDER REGION. ML 2.7 (THE).

	22	02	08	54.5*	50.473	N	98.435	E	74	?	4.3	0.4	9	RUSSIA-MONGOLIA BORDER REGION
	22	02	10	09.5	44.541	N	113.995	W	5	G		0.6	14	EASTERN IDAHO. ML 3.3 (GS), 3.4 (BUT).
	22	03	56	09.0*	21.537	S	68.266	W	170	?		0.9	8	CHILE-BOLIVIA BORDER REGION
	22	04	24	20.6	42.558	N	43.862	E	10	G	5.0 4.6	1.0	135	NORTHWESTERN CAUCASUS. Felt (III) at Pyatigorsk, Russia.
	22	04	27	25.9?	5.86	S	148.22	E	86	*	4.6	1.4	6	NEW BRITAIN REGION, P.N.G.
	22	04	40	26.7?	42.74	N	13.65	E	10	G		1.0	4	CENTRAL ITALY
	22	04	42	06.4?	47.18	N	154.01	E	33	N	4.5	0.7	17	KURIL ISLANDS
	22	04	43	50.2%	44.594	N	7.111	E	10	G		0.1	5	NORTHERN ITALY. ML 1.6 (GEN).
	22	05	03	03.6*	31.484	S	72.534	W	10	G		0.7	12	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	22	05	12	19.6	37.215	N	137.245	E	45		4.7 4.1	1.0	29	NEAR WEST COAST OF HONSHU, JAPAN. Felt (III JMA) at Wajima; (II JMA) at Fushiki and Kanazawa; (I JMA) at Fukui and Toyama.
a	22	06	37	22.2	47.129	N	154.061	E	25	D	5.6 5.2	1.0	292	KURIL ISLANDS. Mw 5.5 (HRV).
	22	06	49	01.6	47.177	N	153.968	E	33	N	4.9 5.1	0.9	76	KURIL ISLANDS
	22	06	59	13.9	47.459	N	153.890	E	33	N	4.7	1.0	13	KURIL ISLANDS
a	22	07	06	01.3	47.125	N	154.064	E	44	D	5.7 5.2	0.9	297	KURIL ISLANDS. Mw 5.6 (HRV).
	22	07	11	40.4?	10.31	N	61.54	W	33	N		0.1	4	TRINIDAD
	22	08	05	19.5&	37.650	N	118.900	W	7				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
	22	08	25	40.8?	38 03	N	14.69	E	33	N		0 3	4	SICILY
	22	08	39	59.6&	59.861	N	152.260	W	89				52	SOUTHERN ALASKA. <AEIC>.
	22	08	49	21.7	47.366	N	153.979	E	37	D	5.0 4.4	1.0	116	KURIL ISLANDS
	22	09	53	47.4*	35.903	N	30.376	E	78	?		0.6	10	EASTERN MEDITERRANEAN SEA
	22	10	08	22.7*	9.404	N	94.105	E	33	N		1.4	9	NICOBAR ISLANDS, INDIA
	22	10	28	06.9	40.485	N	21.839	E	10	G		0.9	11	GREECE. ML 2.2 (THE).
	22	11	27	11.7	47.067	N	153.983	E	33	N	4.9 4.5	1.3	84	KURIL ISLANDS
	22	11	33	48.7&	61.508	N	149.863	W	35				44	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	22	11	46	30.2?	6.66	N	73.46	W	192	?	4.2	1.1	9	NORTHERN COLOMBIA
	22	12	05	01.5*	53.001	S	22.324	E	10	G	4.8	1.4	15	SOUTH OF AFRICA
	22	12	38	02.2?	47.27	N	11.27	E	5	G		0.1	4	AUSTRIA. ML 1.1 (VIE).
	22	13	38	46.6%	45.467	N	7.814	E	10	G		0.6	6	NORTHERN ITALY. ML 2.4 (GEN).
	22	14	40	16.4?	47.33	N	154.04	E	33	N	4.2	0.3	9	KURIL ISLANDS
	22	15	23	00.8	33.483	S	71.000	W	69	?		0.2	9	NEAR COAST OF CENTRAL CHILE
	22	16	04	32.6*	53.664	N	167.092	W	33	N	3.8	1.2	17	FOX ISLANDS, ALEUTIAN ISLANDS. Felt (IV) at Akutan and (III) at Dutch Harbor.
	22	16	13	18.8*	23.896	N	124.957	E	33	N	4.1	1.3	10	SOUTHWESTERN RYUKYU ISLANDS
	22	16	58	09.0	49.197	N	6.965	E	10	G		0 6	12	GERMANY. ML 2.5 (STR).
	22	17	58	45.0*	41.541	N	23.158	E	10	G		0.9	9	GREECE-BULGARIA BORDER REGION. ML 2.6 (THE).
	22	18	02	58.7%	39.349	N	23.551	E	10	G		0.5	9	AEGEAN SEA. ML 2.4 (THE).
	22	18	08	25.6	40.225	N	21.215	E	10	G		1.0	14	GREECE. ML 2.8 (THE).
	22	18	36	54.7?	39.30	N	1.20	W	33	N		0.2	4	SPAIN
	22	18	40	22.7?	34.24	S	71.19	W	59	?		0.1	9	NEAR COAST OF CENTRAL CHILE
	22	19	05	22.0*	51.295	N	15.864	E	10	G		0.9	11	POLAND. ML 3.7 (VIE), 3.3 (GRF).
	22	19	13	48.5	38.058	N	22.178	E	10	G		1.1	12	GREECE. ML 2.9 (ATH), 2.8 (THE).
	22	19	17	21.3	16.230	N	144.868	E	33	N	4.8 4.3	1.0	34	MARIANA ISLANDS REGION
	22	19	29	36.2%	33.566	S	69 930	W	10	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	22	20	06	34.9	39.972	N	36.129	E	10	G		1.4	6	TURKEY. MD 3.4 (ISK).
	22	20	13	42.3%	17.055	N	98.992	W	33	N		0.9	6	GUERRERO, MEXICO
	22	20	34	03.5*	56.835	N	151.743	W	10	G		0.7	33	KODIAK ISLAND REGION ML 3 2 (AEIC).
	22	22	49	51.5?	16.04	N	145.05	E	82	?	4.5	0.8	11	MARIANA ISLANDS
	22	22	55	45.1?	36.79	N	69.75	E	33	N	3 8	0.7	5	HINDU KUSH REGION, AFGHANISTAN
	22	22	57	07.4	38.162	N	22.045	E	10	G		0.9	14	GREECE. ML 3.2 (ATH), 2.8 (THE).
	22	23	34	03.3	16.295	N	144.980	E	33	N	5 0 4.0	0.9	45	MARIANA ISLANDS REGION
	22	23	36	09.3	15 208	N	60.172	W	5	G		0.4	11	LEEWARD ISLANDS. MD 3.1 (TRN). ML 2.8 (FDF).
	22	23	41	16 3*	16.142	N	145 066	E	28	D	4.8 4 5	0.8	17	MARIANA ISLANDS
	22	23	42	52.3?	44.45	N	6 82	E	10	G		0.2	4	FRANCE. ML 1.3 (GEN).
	22	23	44	49.0*	15.730	N	145.273	E	20	D	4 8 4 2	1 2	16	MARIANA ISLANDS
	23	00	00	32.1*	37.575	N	71.824	E	33	N	4.2	0.6	7	AFGHANISTAN-TAJIKISTAN BORD REG.
	23	00	43	53.3%	32.631	S	71.309	W	38	?		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	23	02	33	04.8*	32.844	S	71.396	W	23	*		0.9	11	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	23	03	03	09.7?	87.08	N	56.60	E	10	G	4 3 3.7	0.5	8	NORTH OF FRANZ JOSEF LAND
	23	03	04	44.2	29.814	S	71.043	W	110	?		1.2	28	NEAR COAST OF CENTRAL CHILE
	23	03	14	28.7%	33.770	S	71.163	W	56	?		0.2	11	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	23	04	17	15.1&	60.836	N	150.731	W	38				69	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC), 3.6 (PMR).
	23	04	29	04.3*	27.096	N	54.549	E	10	G	3.9	1.1	7	SOUTHERN IRAN
	23	05	12	44.1*	26.314	S	27.384	E	5	G	4.2	1 4	11	REPUBLIC OF SOUTH AFRICA. mbLg 3.8 (BUL).
	23	05	26	51.6%	40.580	N	15.050	E	10	G		0.8	5	SOUTHERN ITALY
	23	05	34	03.7	26.074	S	177.255	W	98	D	5.2	1.0	49	SOUTH OF FIJI ISLANDS
	23	07	01	25.1	62.396	N	151.212	W	111	?		0.5	11	CENTRAL ALASKA. Felt (III) at Skwentna.
	23	07	50	04.0*	6.115	S	146.616	E	33	N	3.8	0.8	5	EASTERN NEW GUINEA REG., P.N.G.
	23	07	53	10.6	47.289	N	153.823	E	33	N	4.8 4.1	1.0	55	KURIL ISLANDS
	23	07	55	31.5	38.779	S	175.008	E	264			0.4	37	NORTH ISLAND, NEW ZEALAND
	23	07	57	14.7?	29.39	S	69.16	W	120	G		0.7	6	CHILE-ARGENTINA BORDER REGION
	23	08	01	41.5?	46.84	N	153.83	E	33	N	4.9	1.3	14	KURIL ISLANDS
	23	08	09	58.4&	37.575	N	118.845	W	8				18	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK).
	23	08	49	10.7?	31.23	S	68.29	W	106	?		0.8	6	SAN JUAN PROVINCE, ARGENTINA
	23	09	27	20.0	35.476	N	21.292	E	41	*	4.3	1.2	58	CENTRAL MEDITERRANEAN SEA
	23	09	34	53.1%	42.575	N	19.138	E	10	G		0.1	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	23	09	48	41.6	54.359	N	161.026	W	20	D	5.0 4.5	1.1	66	ALASKA PENINSULA. Felt at King Cove.
	23	10	06	16.7?	43.35	N	5.46	E	5	G		0.7	10	NEAR SOUTH COAST OF FRANCE. ML 2.9 (STR).
	23	10	48	56.4	44.500	N	10.542	E	10	G		0.9	19	NORTHERN ITALY. ML 2.8 (VIE).
	23	11	18	31.5?	38.98	N	27.65	E	10	G		1.1	4	TURKEY. MD 2.7 (ISK).
	23	11	51	00.8	30.951	S	65.354	W	199		4.3	0.7	33	CORDOBA PROVINCE, ARGENTINA
a	23	11	56	27.1	86.941	N	56.073	E	10	G	4.7 4.6	1.0	84	NORTH OF FRANZ JOSEF LAND. Mw 5.1 (HRV).
	23	12	20	46.4&	60.750	N	147.283	W	42		2.5		43	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	23	12	34	33.4*	6.632	S	149.392	E	77	?	4.4	0.4	6	NEW BRITAIN REGION, P.N.G.
	23	13	08	51.2?	42.54	N	23.61	E	10	G		1.2	5	BULGARIA
	23	13	11	14.1	26.861	S	26.670	E	5	G		1.2	10	REPUBLIC OF SOUTH AFRICA. mbLg 3.9 (BUL).
	23	13	15	16.5?	5.48	S	144.04	E	61	?		0.9	5	NEW GUINEA, PAPUA NEW GUINEA
	23	13	31	29.4*	8.640	S	123.205	E	89	?	5.3	1.2	21	FLORES REGION, INDONESIA
	23	14	00	34.8	58.658	N	143.390	W	10	G		0.6	28	GULF OF ALASKA. ML 2.6 (AEIC), 2.4 (PGC).

	23	14 35 00.0?	47.11	N	153.91	E	33	N	5.0		0.9	16	KURIL ISLANDS
	23	15 09 06.3?	43.29	N	148.00	E	33	N	4.0		0.8	7	EAST OF KURIL ISLANDS
	23	15 20 31.1*	47.845	N	86.293	E	33	N	4.4		0.7	10	NORTHERN XINJIANG, CHINA
	23	15 29 55.2	32.595	S	71.539	W	10	G			0.7	18	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	23	15 32 48.3	33.280	S	68.776	W	10	G			1.1	26	MENDOZA PROVINCE, ARGENTINA. MD 4.5 (SAN). Felt (III) at Mendoza.
	23	16 08 16.4*	12.828	N	146.585	E	33	N	5.2		1.0	23	SOUTH OF MARIANA ISLANDS
	23	16 39 54.8	39.781	N	25.509	E	10	G			0.9	25	AEGEAN SEA. MD 3.4 (ISK). ML 3.3 (THE).
	23	16 51 53.9	41.147	N	20.031	E	10	G			0.9	26	ALBANIA. ML 3.4 (TTG), 3.1 (THE).
	23	17 24 59.6	39.792	N	25.540	E	6				0.7	24	AEGEAN SEA. MD 3.4 (ISK). ML 3.2 (THE).
	23	17 40 11.2?	53.88	N	163.58	W	33	N	4.3		1.0	11	UNIMAK ISLAND REGION
	23	18 30 17.8*	43.525	N	20.204	E	10	G			1.1	9	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
	23	18 49 43.8&	61.515	N	146.563	W	28					60	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.4 (PMR).
	23	19 41 31.0*	20.906	N	122.366	E	33	N	4.8		0.7	9	PHILIPPINE ISLANDS REGION
	23	19 50 52.8%	41.390	N	19.441	E	10	G			0.6	9	ALBANIA. ML 2.4 (TTG).
	23	20 05 53.0	39.690	N	25.555	E	10	G			1.0	16	AEGEAN SEA. MD 3.2 (ISK). ML 3.0 (THE).
	23	20 11 18.5	41.179	N	22.028	E	10	G			0.6	13	NORTHWESTERN BALKAN REGION. ML 2.4 (THE), 2.0 (SKO).
	23	20 24 16.0	43.396	N	5.426	E	10	G			1.1	18	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
	23	20 42 19.1&	62.155	N	150.422	W	6					49	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.3 (PMR).
	23	21 34 06.9?	47.26	N	11.33	E	5	G			0 1	4	AUSTRIA. ML 0.9 (VIE).
	23	21 40 53.1*	46.935	N	154.425	E	33	N	4.6		1.2	23	EAST OF KURIL ISLANDS
	23	21 45 22.6&	58.918	N	152.136	W	53					51	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
	23	21 49 15.4	27.970	S	66.662	W	189	*			0.6	14	CATAMARCA PROVINCE, ARGENTINA
	23	21 56 43.0&	34.001	N	116.284	W	3					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	23	23 38 35.9	38.273	N	22.697	E	10	G			0.8	15	GREECE. ML 3.0 (ATH), 3.0 (THE).
	23	23 41 13.4?	31.25	S	179.19	E	465	?	4.5		1.1	17	KERMADEC ISLANDS REGION
	23	23 51 51.4	37.724	N	21.438	E	10	G			0.9	18	SOUTHERN GREECE. ML 3.5 (ATH), 3.3 (THE).
	24	00 31 22.7	17.577	N	62.586	W	115		3.7		0.4	17	LEEWARD ISLANDS. MD 3.6 (TRN). Felt (III) on Saba.
	24	01 13 36.4?	5.82	S	146.30	E	38	?	3.7		1.1	5	EASTERN NEW GUINEA REG., P.N.G.
	24	01 58 08.2*	1.168	N	129.382	E	32	D	5.0		1.2	17	HALMAHERA, INDONESIA
	24	02 15 05.4?	47.28	N	1.52	W	10	G			0.6	5	FRANCE. ML 2.0 (LDG).
a	24	02 44 44.9	1 273	N	129.392	E	33	N	5.0	4.8	1.1	27	HALMAHERA, INDONESIA. Mw 5.3 (HRV).
	24	02 54 12 9%	44 385	N	7.286	E	10	G			0.3	5	NORTHERN ITALY. ML 1.4 (GEN).
	24	03 31 54.2?	35.11	S	70.93	W	100	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	24	04 27 15.5	28.355	N	111.991	W	10	G	4.7	4.6	1.3	55	GULF OF CALIFORNIA
	24	04 32 16.6	37.730	N	21.643	E	79	*	3.5		1.2	21	SOUTHERN GREECE. MD 3.6 (ATH).
	24	05 56 39.6	43 174	N	0 356	W	10	G			1.4	26	PYRENEES. ML 3.4 (LDG). mbLg 3.3 (MDD). Felt (IV) in the Bearn area, France.
	24	06 02 21.4	26 882	S	26 696	E	5	G			0.8	25	REPUBLIC OF SOUTH AFRICA. mbLg 4.0 (BUL).
	24	06 45 57.0	43.430	N	5.424	E	10	G			0.8	19	NEAR SOUTH COAST OF FRANCE. ML 2.9 (STR).
	24	07 19 07.8*	54.309	N	162 674	W	49	*	4.7		1.2	32	ALASKA PENINSULA. ML 5 2 (PMR). Felt (IV) at Cold Bay and King Cove. Felt (II) at Sand Point.
	24	07 35 53.0	21.381	S	67.307	W	212	*	4.4		1.1	13	CHILE-BOLIVIA BORDER REGION
	24	07 43 32.9*	13.338	N	90.102	W	33	N			1.3	7	NEAR COAST OF GUATEMALA. MD 4.6 (APY).
	24	07 59 11.6	32.186	S	71.542	W	5	G			0.3	12	NEAR COAST OF CENTRAL CHILE
	24	08 59 01.8	40.480	N	21.865	E	10	G			1.1	10	GREECE. ML 1.8 (THE).
	24	09 23 50.3%	41.540	N	29.401	E	10	G			0.6	5	TURKEY. MD 2.6 (ISK).
	24	09 27 13.0*	41.455	N	29.328	E	10	G			0.8	7	TURKEY. MD 2.8 (ISK).
	24	09 28 01.6*	41.489	N	29.280	E	10	G			0.4	7	TURKEY. MD 2.9 (ISK).
	24	09 30 44.9	22.226	N	122.413	E	33	N	4.6		1.1	20	TAIWAN REGION
	24	09 37 39.9&	59.550	N	153.451	W	118					52	SOUTHERN ALASKA. <AEIC>.
	24	09 49 50.3*	23.298	S	69.837	W	63	?			0.7	7	NORTHERN CHILE
	24	10 03 38.5	38.860	N	27.860	E	5				0.4	16	TURKEY. MD 3.5 (ISK).
	24	11 14 46.5	40.131	N	24.095	E	13		4.1		1.1	60	AEGEAN SEA. ML 3.9 (ATH), 3.9 (THE), 3.9 (TTG).
	24	11 18 38.1%	40.675	N	23.117	E	10	G			0.3	8	GREECE. ML 1.9 (THE).
	24	11 20 12.9%	40 155	N	23.936	E	10	G			0.5	9	GREECE. ML 2.5 (THE).
	24	11 21 13.5%	40.155	N	23.890	E	10	G			0.8	9	GREECE. ML 2.4 (THE).
	24	11 35 15.6%	40.153	N	23.920	E	10	G			0.7	10	GREECE. ML 2.1 (THE).
	24	11 58 32.7?	39.06	N	27.66	E	10	G			0.9	4	TURKEY. MD 2.7 (ISK).
	24	12 01 03.4	25.793	S	71.289	W	10	G	4.0		1.3	18	OFF COAST OF NORTHERN CHILE
	24	12 20 50.6%	40.140	N	24.032	E	10	G			0.9	8	AEGEAN SEA. ML 2.2 (THE)
	24	12 21 33.0?	41.79	N	22.24	E	10	G			0.4	5	NORTHWESTERN BALKAN REGION ML 1.9 (SKO), 1.9 (THE).
a	24	12 39 59.5	16.362	S	172.861	W	33	N	5.0	4.8	1.0	42	SAMOA ISLANDS REGION. Mw 5.3 (HRV).
	24	12 41 21.5&	36.160	N	89.450	W	15					16	NEW MADRID, MISSOURI REGION. <SLM-P>. MD 2.8 (SLM).
	24	12 43 58.4?	42.36	N	24.19	E	10	G			1.0	8	BULGARIA
	24	13 00 56.1%	43.105	N	0.451	W	10	G			0.2	6	PYRENEES. ML 1.4 (STR).
	24	13 18 56 6	42 376	N	24.169	E	10	G			0.7	10	BULGARIA. ML 2.8 (THE).
	24	14 04 04 5*	72 752	N	5 850	E	10	G	3.9		1.3	10	NORWEGIAN SEA
	24	14 13 00.9*	72.918	N	6 064	E	10	G			0.6	7	NORWEGIAN SEA
	24	14 50 13.0%	38.935	N	20.987	E	10	G			1.0	9	GREECE. ML 3.0 (THE).
	24	15 09 17.2	17 943	S	178.510	W	581	?	4.8		1.1	56	FIJI ISLANDS REGION
	24	16 05 13.7	36.445	N	31 853	E	10	G			0.5	7	TURKEY. MD 3.5 (ISK).
	24	16 08 34.4*	7.702	N	77.477	W	33	N	4.3		1.2	7	PANAMA-COLOMBIA BORDER REGION. MD 4.1 (UPA).
	24	16 13 19.2*	19.762	S	133.560	E	5	G			1.3	9	NORTHERN TERRITORY, AUSTRALIA
	24	16 19 08.5&	59.680	N	153.344	W	113					40	SOUTHERN ALASKA. <AEIC>.
	24	16 29 56.1	34.843	N	69.754	E	33	N	4.9	4.3	1.1	106	AFGHANISTAN
	24	17 19 56.1*	19.396	N	121.238	E	33	N	4.9		1.1	29	PHILIPPINE ISLANDS REGION
	24	17 56 40.9*	12.745	N	144.429	E	32	*	4.3	4.3	1.2	10	SOUTH OF MARIANA ISLANDS
	24	18 11 46.7*	39.201	N	21.623	E	10	G			1.1	11	GREECE. ML 2.8 (THE).
	24	18 14 27.7*	39.177	N	21.738	E	10	G			1.3	11	GREECE. ML 2.8 (THE).
	24	19 01 05.6*	13.607	S	34.703	E	10	G	4.0		1.3	8	MALAWI. mbLg 3.7 (BUL).
	24	19 22 51.9	51.075	N	156.473	E	119		4.4		1.1	72	KAMCHATKA
	24	19 23 52.8%	40.068	N	22.386	E	10	G			0.5	11	GREECE. ML 1.9 (THE).
	24	20 24 03.4?	28.83	N	129.04	E	33	N			0.8	5	RYUKYU ISLANDS
	24	20 55 04.8%	44.391	N	7.356	E	10	G			0.4	6	NORTHERN ITALY. ML 1.5 (GEN).
	24	21 21 28.7?	32.83	S	71.71	W	57	?			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	24	21 54 20.0&	59.914	N	152.651	W	15		3.5			67	SOUTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.5 (PMR).
	24	22 12 11.4*	38.684	N	29.161	W	10	G	4.6		1.2	34	AZORES ISLANDS. Felt (V) at Praia do Norte, (IV) at Castelo Branco, Flamengos, Cedros, Ribeirinha and Horta on Faial. Felt (IV) at Candelaria, Sao Mateus, Sao Caetano, Madeleno, Santo Antonio, Sao Roque do Pica and Lajes do Pico on Pico. Felt (III) at Rosas, Velas and Calheta on Sao Jorge.

f	24	22	21	37.8	24.931	S	68.386	W	119	G	5.8	0.9	307	CHILE-ARGENTINA BORDER REGION. Mw 5.7 (GS), 5.7 (HRV). mb 5.9 (BRK). Depth from broadband displacement seismograms.
	24	22	51	14.7%	42.155	N	18.852	E	10	G		0.3	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	24	22	58	21.8	8.897	N	126.892	E	33	N	4.6	1.3	14	MINDANAO, PHILIPPINE ISLANDS
	24	23	30	46.9&	63.062	N	150.975	W	127		3.5		77	CENTRAL ALASKA. <AEIC>. Felt (III) at Skwentno.
	24	23	52	17.5	43.712	N	105.287	W	0	G		1.1	15	WYOMING. ML 3.6 (GS). Felt at Wright. Probable strip mine blast.
	25	00	40	12.1&	40.407	N	124.585	W	14		3.2		18	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 4.0 (BRK). Felt (II) at Rio Dell. Also felt at Fortuno.
	25	00	46	10.7&	63.487	N	150.906	W	16				47	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
	25	01	23	14.4?	31.35	S	69.17	W	123	?		0.6	7	SAN JUAN PROVINCE, ARGENTINA
	25	01	30	20.1	31.262	S	68.624	W	111	*		0.8	11	SAN JUAN PROVINCE, ARGENTINA
	25	01	39	13.7?	43.98	N	25.26	E	10	G		1.0	5	BULGARIA
	25	02	19	12.9%	39.120	N	29.040	E	10	G		0.8	6	TURKEY. MD 2.9 (ISK).
	25	02	42	01.6*	41.844	N	19.265	E	10	G		1.4	9	ALBANIA. ML 2.0 (TTG).
	25	03	02	33.3%	43.127	N	7.691	E	10	G		0.9	5	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG).
	25	03	04	52.3	43.148	N	7.715	E	10	G		0.5	10	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG), 1.8 (STR).
	25	03	31	32.0	32.015	S	68.938	W	129	*		0.7	21	MENDOZA PROVINCE, ARGENTINA. MD 4.3 (SAN).
	25	03	44	15.5	44.932	N	106 062	W	5	G		0.8	16	WYOMING. ML 3 5 (GS). ML 3.9 (BUT).
	25	03	55	20.6	33.177	S	71.008	W	82		4.0	1.1	24	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN). Felt (II) at Lo Ligua and Petorca.
	25	04	23	36.2%	47.417	N	2.699	E	10	G		0.3	10	FRANCE. ML 2.2 (LDG).
	25	04	37	46.2*	44.445	N	20.926	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG).
	25	04	44	38.2*	31.202	S	68.746	W	120	?		1.0	7	SAN JUAN PROVINCE, ARGENTINA
	25	05	40	45.3?	6.24	N	77.60	W	16	*	4.1	1.5	11	NEAR WEST COAST OF COLOMBIA
	25	06	16	54.7%	45.424	N	6.436	E	10	G		0.7	8	FRANCE. ML 2.3 (LDG).
	25	07	00	06.8%	44.556	N	6.897	E	10	G		0.4	5	FRANCE. ML 2.0 (GEN).
o	25	07	34	57.0	23.996	S	177.218	W	166	D	5.3	1.3	119	SOUTH OF FIJI ISLANDS. Mw 5.7 (HRV).
	25	08	24	45.2&	63.750	N	151.988	W	30				70	CENTRAL ALASKA. <AEIC>. ML 4.3 (AEIC), 4.3 (PMR). Felt (III) at Lake Minchumina.
	25	08	52	02.3%	41.724	N	14.071	E	10	G		0.8	5	SOUTHERN ITALY
	25	09	21	19.0%	40.102	N	24.071	E	10	G		0.3	7	AEGEAN SEA. ML 2.3 (THE).
o	25	09	27	43.1	40.268	N	142.333	E	48	D	5.5 5.3	0.9	256	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.7 (HRV).
	25	10	54	09.8%	32.765	S	71.232	W	50	G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
	25	11	22	04.5*	0.012	N	18.527	W	10	G	4.7 4.2	0.8	17	CENTRAL MID-ATLANTIC RIDGE
	25	11	27	14 4&	39.690	N	111.263	W	9				21	UTAH. <SLC-P>. MD 3.1 (SLC).
	25	11	43	06.8	58.958	S	25 830	W	33	N	4.9	1.0	41	SOUTH SANDWICH ISLANDS REGION
	25	13	11	04.4?	46 85	N	154.33	E	33	N	4.9	0.9	12	EAST OF KURIL ISLANDS
	25	13	12	13.5	54.497	N	160 803	W	33	N	5.1 4.5	1.2	178	ALASKA PENINSULA. ML 4.7 (PMR)
	25	14	25	03.7&	63.239	N	150.432	W	126				45	CENTRAL ALASKA. <AEIC>
	25	14	41	59.3	31.319	S	69 464	W	129	*		0.5	20	SAN JUAN PROVINCE, ARGENTINA MD 4.0 (SAN).
	25	15	10	48.4?	32.14	S	70 65	W	100	G		0.3	9	CHILE-ARGENTINA BORDER REGION MD 3.7 (SAN).
	25	15	40	58.7	47.159	N	153.779	E	33	N	4.9 4.2	0.9	57	KURIL ISLANDS
	25	16	24	25.4	56.357	N	156 738	W	92	*	3.9	0.8	50	ALASKA PENINSULA
	25	16	57	40.3%	42.658	N	18 826	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	25	17	10	11.1	39.345	N	20.519	E	10	G		0.7	17	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH). ML 2.8 (THE).
	25	17	59	56.2?	48.06	N	2.06	W	10	G		1.4	6	FRANCE. ML 2.0 (LDG).
	25	18	02	10.7%	40.758	N	23 365	E	10	G		0.4	5	GREECE. ML 1.6 (THE).
	25	18	06	34.0?	34.69	N	24.14	E	33	N		1.1	10	CRETE
	25	18	36	25.0&	60.113	N	152.763	W	108				36	SOUTHERN ALASKA. <AEIC>.
	25	20	14	36.2%	44.257	N	10.312	E	10	G		1.2	6	NORTHERN ITALY
	25	20	21	27.0	52.883	N	175.153	W	234		4.4	1.0	71	ANDREANOF ISLANDS, ALEUTIAN IS.
	25	20	48	42.9*	44.890	S	167.462	E	115	*		0.2	16	SOUTH ISLAND, NEW ZEALAND
	25	21	06	53.0*	53.269	N	158.956	E	33	N	4.8	1.1	29	NEAR EAST COAST OF KAMCHATKA
	25	23	20	41.5?	51.20	N	7.93	E	0	G		1.1	4	GERMANY. ML 2 3 (BNS). Probable rockburst.
	26	00	37	57.9	38.038	N	38.616	E	10	G		0.6	13	TURKEY. MG 3.8 (DDA). Felt at Molotyo.
	26	00	41	57.3&	34.401	N	116.460	W	3				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	26	00	58	38.3?	15.42	N	120.04	E	10	G		1.2	5	LUZON, PHILIPPINE ISLANDS
	26	01	19	01.7	43.650	N	7.963	E	10	G		0.5	17	NEAR SOUTH COAST OF FRANCE. ML 2.2 (GEN), 1.9 (LDG).
	26	01	34	16.5?	17.98	S	175.10	W	168	?	5.2	1.1	29	TONGA ISLANDS
	26	01	57	26.2?	41.94	N	13.20	E	10	G		0.4	5	SOUTHERN ITALY
	26	03	44	08.8%	43.059	N	13.287	E	10	G		0.9	8	CENTRAL ITALY
	26	03	44	31.4?	40.60	N	27.40	E	10	G		0.5	4	TURKEY. MD 2.7 (ISK).
	26	03	48	30 3%	37.335	N	28.096	E	10	G		0.5	5	TURKEY
	26	04	00	01.4	46.843	N	9.818	E	10	G		0.9	16	SWITZEPLAND ML 2 5 (VIE), 2.3 (FUR).
	26	04	59	33 3	26.478	N	67.684	E	33	N	4.0	1.1	15	PAKISTAN
	26	07	14	28.4*	37.565	N	20.806	E	10	G		1.0	13	IONIAN SEA. MD 3.3 (ATH). ML 3.2 (THE).
	26	08	08	59.0	43.442	N	5.483	E	10	G		0.4	9	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
	26	09	55	47.8&	57.939	N	152.619	W	56		3.3		63	KODIAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC), 4.0 (PMR).
	26	10	00	58 3*	8.069	S	119.946	E	179	?	4.8	0.8	16	FLORES REGION, INDONESIA
	26	10	02	54.1%	40.786	N	23.149	E	10	G		0.4	9	GREECE. ML 2.3 (THE).
	26	10	47	09 5*	44.719	N	149.346	E	33	N	4.5	1.2	17	KURIL ISLANDS
	26	11	03	44.0?	32.44	S	72.02	W	5	G		0.3	9	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	26	11	20	57.7?	51.52	N	7.00	E	0	G		0.1	4	GERMANY. ML 2.2 (BNS). Probable rockburst.
	26	11	48	44.3*	21.463	N	45.691	W	10	G	4.8	1.0	19	NORTHERN MID-ATLANTIC RIDGE
	26	12	30	30.5?	32.96	S	72.11	W	10	G		0.3	9	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	26	12	55	17.9?	42.24	N	23.93	E	10	G		0.9	8	BULGARIA. ML 2.7 (THE).
	26	13	31	29.7?	24.44	S	176.69	W	256	?	4.4	1.2	12	SOUTH OF FIJI ISLANDS
	26	14	43	06.5&	61.473	N	151.579	W	76				55	SOUTHERN ALASKA. <AEIC>.
	26	15	08	35.7%	39.707	N	23.806	E	10	G		0.4	9	AEGEAN SEA
	26	16	08	25.8%	37.055	N	29.507	E	10	G		1 0	6	TURKEY. MD 3.5 (ISK).
	26	16	18	43.6	26.385	S	27.377	E	5	G		0.9	8	REPUBLIC OF SOUTH AFRICA. mbLg 3.6 (BUL).
	26	16	23	54.2*	38.955	N	78.672	E	10	G	4.5	1.4	6	SOUTHERN XINJIANG, CHINA. ML 4.2 (BJI).
	26	16	29	14.6?	15.88	N	60.44	W	33	N		0.1	5	LEEWARD ISLANDS. ML 3.0 (FDF).
	26	16	55	33.9	2.710	S	102.190	E	146	*	4.9	0.8	58	SOUTHERN SUMATERA, INDONESIA
	26	17	24	24.3	10.950	N	141.731	E	33	N	4.9 4.2	1.0	27	WESTERN CAROLINE ISLANDS
	26	17	40	10.8?	34.88	N	26.07	E	67	?		0.7	5	CRETE. MD 3.7 (ATH).
	26	17	51	06.2%	37.776	N	14.696	E	33	N		1.3	5	SICILY
	26	18	32	30.4%	44.397	N	7.314	E	10	G		0.4	5	NORTHERN ITALY. ML 1.4 (GEN).
	26	19	16	40.8	47.576	N	154.363	E	32	D	5.1 4.4	0.9	155	KURIL ISLANDS
	26	19	18	42.4&	63.235	N	151.394	W	12				33	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.2 (PMR).

	26	19	21	19.7	44.303	N	7.332	E	14			0.5	18	NORTHERN ITALY. ML 2.3 (LDG), 2.0 (GEN).
	26	19	39	51.0%	42.464	N	19.572	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	26	20	36	04.1?	38.44	N	15.87	E	24	?		0.6	5	SICILY
	26	21	13	33.8	39.876	N	74.942	W	5	G		0.4	8	NEW JERSEY. mbLg 2.5 (GS). Felt (IV) at Barrington, Cherry Hill, Hadden Heights, Hainesport, Lawnside, Moorestown, Palmyra and Runnemede; (III) at Blackwood, Camden, Delran, Gibbsboro, Lumberton, Magnolia, Marlton, Mt. Laurel, Rancocas, Westville and Woodbury; (II) at Cinnaminson, Clementon and Sewell. Felt (III) at Media, Pennsylvania and (II) at Darby, Pennsylvania. Also felt in the Philadelphia, Pennsylvania area.
	26	21	26	04.0*	44.126	N	20.703	E	10	G		1.3	7	NORTHWESTERN BALKAN REGION. ML 2.9 (TTG).
	26	21	29	01.1*	31.295	N	116.822	W	5	G		0.8	9	BAJA CALIFORNIA, MEXICO. ML 3.6 (GS).
a	26	21	47	53.2	5.442	S	144.635	E	15		5.2 4.6	1.1	93	NEW GUINEA, PAPUA NEW GUINEA. Mw 5.3 (HRV).
	26	21	52	53.8*	2.855	N	79.585	W	10	G	4 7	1.4	20	SOUTH OF PANAMA
	26	21	56	31.9&	60.017	N	148.512	W	10				45	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
	26	22	17	56.8?	40.59	N	27.36	E	10	G		0.9	5	TURKEY. MD 2.6 (ISK).
	26	22	37	12.3&	35.143	N	116.841	W	2				7	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	26	22	46	00.5	48.562	N	122.395	W	5	G		0.8	21	WASHINGTON. ML 3.1 (GS), 3.0 (PGC).
	26	22	51	30.5%	33.901	S	71.158	W	56	?		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	26	23	14	13.1	49.143	N	6.965	E	10	G		1.1	12	GERMANY. ML 2.5 (STR).
	26	23	23	08.2&	60.295	N	152.201	W	83				45	SOUTHERN ALASKA. <AEIC>.
	26	23	58	37.9&	37.574	N	118.842	W	7				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
	27	00	29	01.3	39.075	S	71.546	W	106	D	5.1	1.1	66	S. CHILE-ARGENTINA BORDER REGION
	27	00	48	12.2%	39.002	N	27.839	E	10	G		0.8	6	TURKEY. MD 2.7 (ISK).
	27	01	04	59.1&	38.772	N	122.380	W	9				21	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	27	02	02	54.2?	31.31	S	178.60	W	320	?	3.8	1.1	15	KERMADEC ISLANDS REGION
	27	02	55	34.5%	44.204	N	7.958	E	10	G		0.3	7	NORTHERN ITALY. ML 1.8 (GEN).
	27	03	10	03.1	38.390	S	176.005	E	200	*		0.5	25	NORTH ISLAND, NEW ZEALAND
	27	03	13	44.4?	39.82	N	16.23	E	5	G		1.3	4	SOUTHERN ITALY
	27	03	28	41.4	32.250	S	68.602	W	147	*		0.5	18	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN).
	27	05	47	27.8	40.612	N	22.917	E	10	G		0.5	9	GREECE. ML 2.3 (THE).
	27	07	12	03.5%	38.984	N	27.843	E	10	G		0.5	7	TURKEY. MD 3.0 (ISK).
	27	07	33	37.5	6.690	S	131.344	E	33	N	5.0	0.9	37	TANIMBAR ISLANDS REG., INDONESIA
	27	08	12	51.7	37.829	N	21.851	E	10	G		0.9	15	SOUTHERN GREECE. ML 3.2 (ATH), 3.2 (THE).
	27	08	13	24.9?	46.71	N	154.52	E	33	N	5.1	1.2	16	EAST OF KURIL ISLANDS
	27	08	49	44.6?	38.21	N	27.51	E	10	G		1.7	4	TURKEY. MD 3.0 (ISK).
	27	12	01	58.9?	10.95	N	86 58	W	73	?	3.9	1.1	7	OFF COAST OF COSTA RICA. MD 3.9 (APY).
	27	12	30	00 3	52.875	N	107.132	E	29		4.2	1.4	24	LAKE BAYKAL REGION, RUSSIA. Felt (IV) at Tyrgana and (III) at Irkutsk, Krasnyy Yar, Shergino, Kabansk and Ulan-Ude.
	27	12	38	50.3	0.573	S	19.446	W	10	G	4.9 4.3	0.8	59	CENTRAL MID-ATLANTIC RIDGE
	27	12	38	59 3&	65.127	N	148.734	W	33				42	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
	27	12	40	50.8	23.540	S	70.931	W	10	G		1.1	14	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofogosta.
	27	13	01	33 6?	19 33	N	67.37	W	33	N		0.5	6	MONA PASSAGE
	27	13	41	14.8%	41.177	N	6.193	W	10	G		0.8	5	PORTUGAL. mbLg 2.8 (MDD).
	27	15	20	34.6*	44.843	N	10.171	E	10	G		0.7	7	NORTHERN ITALY
	27	16	25	15.3%	33.141	S	70.233	W	12			0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
	27	16	35	26.2	24 032	S	66.990	W	189		4.4	1.2	22	SALTA PROVINCE, ARGENTINA
	27	18	08	56.7	32.333	N	141.558	E	40	D	4.7 4.2	0.9	35	SOUTH OF HONSHU, JAPAN
	27	18	31	58.8&	58.341	N	154.152	W	73		2.9		38	ALASKA PENINSULA. <AEIC>.
a	27	18	38	10.0	49.842	N	156.193	E	35	D	5.4 4.9	0.9	292	KURIL ISLANDS. Mw 5.5 (HRV).
	27	19	23	28.2	3.254	S	130.450	E	33	N	4.8	1.0	32	SERAM, INDONESIA
	27	19	28	28.5%	38.939	N	23.535	E	33	N		0.3	10	GREECE. ML 2.7 (THE)
	27	20	29	43.0?	46.88	N	151.09	E	33	N	4.6	1.3	27	KURIL ISLANDS
	27	20	41	29.0&	63.125	N	150.927	W	131		3.1		69	CENTRAL ALASKA. <AEIC>.
	27	20	48	41.6?	33.24	S	72.10	W	12			0.3	8	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	27	21	32	31.6*	6.554	S	147.585	E	33	N	4.5	1.0	8	EASTERN NEW GUINEA REG., P.N.G.
	27	21	58	40.2&	34.115	N	116.840	W	4				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	27	22	08	37.6%	32.898	S	122.356	E	10	G		1.0	5	WESTERN AUSTRALIA
	27	23	10	11.2	31.745	S	66 943	W	130	?		0.5	10	LA RIOJA PROVINCE, ARGENTINA
	27	23	48	13.8*	21.114	S	68.656	W	136	*	3 8	1.2	10	CHILE-BOLIVIA BORDER REGION
	28	00	18	08.5?	11.29	N	61.71	W	30	?		0.9	5	WINDWARD ISLANDS. MD 3.3 (TRN).
o	28	00	45	28.7	8.249	N	121.732	E	32	D	5.1	1.0	96	MINDANAO, PHILIPPINE ISLANDS. Mw 5.3 (HRV).
	28	00	46	00.4	23.920	N	108 607	W	10	G	4.7 4 6	1.0	64	GULF OF CALIFORNIA
	28	01	14	08 5%	33 214	S	72 171	W	8			0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN)
	28	02	19	38.1?	33.56	S	179.67	E	262	?	3.9	1.0	22	SOUTH OF KERMADEC ISLANDS
	28	02	38	07.5	39.757	N	25.578	E	5	G		0.8	23	AEGEAN SEA. ML 3.4 (THE). MD 3.4 (ISK).
	28	02	42	37.7	39.672	N	25.566	E	4			0.6	17	AEGEAN SEA. MD 3.3 (ISK). ML 3.3 (THE).
	28	02	55	49.1	38.490	N	27.973	E	5	G		0.4	11	TURKEY. MD 3.4 (ISK).
	28	03	00	06.4	47.611	N	146.929	E	414		4.5	1.0	78	NORTHWEST OF KURIL ISLANDS
	28	04	55	41.8&	40.877	N	124.745	W	13				9	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
	28	05	18	20.4&	58 571	N	153.146	W	75				31	KODIAK ISLAND REGION. <AEIC>.
	28	05	57	03.2*	37.554	N	69.648	E	33	N	4.4	1.1	11	AFGHANISTAN-TAJIKISTAN BORD REG.
	28	05	59	34.2%	43.280	N	18.880	E	10	G		0.4	8	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	28	06	51	49.7*	41.323	N	19.570	E	10	G		1.0	10	ALBANIA. ML 2.7 (TTG).
	28	06	52	31.4*	31.681	S	66.939	W	33	N		0.7	6	LA RIOJA PROVINCE, ARGENTINA
	28	08	45	25.7&	58.559	N	143.591	W	10	G			23	GULF OF ALASKA. <AEIC>. ML 2.5 (AEIC), 2.6 (PGC).
	28	08	51	51.3?	31.65	S	68.77	W	110	G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
	28	08	55	45.8?	39.05	N	27.72	E	10	G		0.2	4	TURKEY. MD 2.7 (ISK).
	28	09	00	46.6%	39.126	N	27.658	E	10	G		0.7	6	TURKEY. MD 2.7 (ISK).
	28	10	09	44.9	40.087	S	174.930	E	42	*		0.7	26	COOK STRAIT, NEW ZEALAND. ML 3.8 (WEL).
	28	10	51	41.9&	38.765	N	122.612	W	6				13	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
	28	11	10	15.1?	43.06	N	12.93	E	10	G		0.5	5	CENTRAL ITALY
	28	12	09	22.1&	61.678	N	149.538	W	35				45	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	28	12	12	14.9?	39.09	N	27.60	E	10	G		1.2	4	TURKEY. MD 2.7 (ISK).
	28	12	52	02.3%	31.570	S	68.106	W	100	?		0.3	8	SAN JUAN PROVINCE, ARGENTINA
	28	12	55	28.6&	59.972	N	151.816	W	57				47	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
	28	13	10	32.2*	23.189	N	142.212	E	71	?	4.6	0.9	22	VOLCANO ISLANDS REGION
	28	13	20	10.5	45.343	N	7.280	E	10	G		0.3	8	NORTHERN ITALY. ML 2.2 (GEN).
a	28	13	29	24.6?	49.47	S	114.29	W	10	G	5.0 5.1	1.4	17	SOUTHERN EAST PACIFIC RISE. Mw 5.3 (HRV).
	28	14	09	19.5*	37.791	S	175.907	E	320	*		0.5	24	NORTH ISLAND, NEW ZEALAND

28	14	29	06.2&	38.830	N	122.806	W	1			17	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). Felt (IV) at Cobb.
28	15	04	35.4%	31.229	S	68.270	W	94 ?		0.4	7	SAN JUAN PROVINCE, ARGENTINA
28	15	25	19.0%	40.841	N	23.626	E	10 G		0.6	8	GREECE. ML 2.2 (THE).
28	15	25	37.3	5.095	S	151.402	E	172 *	4.9	0.6	31	NEW BRITAIN REGION, P.N.G.
28	17	52	08.2*	36.984	S	176.873	E	276 *		0.5	35	OFF E. COAST OF N. ISLAND, N.Z.
28	18	02	09.2	39.986	N	24.248	E	10 G		0.6	23	AEGEAN SEA. MD 3.3 (ATH). ML 3.1 (THE).
28	19	05	09.3?	47.37	N	11.77	E	10 G		0.5	5	AUSTRIA. ML 1.3 (VIE).
28	19	17	13.7%	44.447	N	7.451	E	10 G		0.3	5	NORTHERN ITALY. ML 1.4 (GEN).
28	19	40	44.1	49.857	N	28.979	W	10 G	4.7 4.4	1.0	59	NORTHERN MID-ATLANTIC RIDGE
28	20	18	58.8?	26.26	S	64.75	W	10 G		0.9	4	TUCUMAN PROVINCE, ARGENTINA
28	21	48	01.3?	26.06	N	101.93	W	5 G		1.5	4	NORTHERN MEXICO. mbLg 3.8 (GS).
28	23	24	38.9	35.213	N	26.234	E	10 G	3.3	1.1	11	CRETE MD 3.7 (ATH).
28	23	36	59.4%	39.343	N	27.991	E	10 G		0.6	6	TURKEY. MD 2.8 (ISK).

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

02 17 14 34.14 29.586S 176.792W 33km
5.1mb (20 obs.) 4.9Msz (3 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 44C
Centroid Location:
Origin Time 17:14:41.4 0.6
Lat 28.82S 0.07 Lon 176.98W 0.05
Dep 31.7 3.4 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.39	62	303
N	1.42	7	199
P	-12.82	27	105

Best Double Couple:Mo=1.2*10**17

	Strike=	Dip=	Slip=
NP1:	177	19	67
NP2:	22	72	98

02 18 17 47 35 29.726S 176.870W 43km
5.3mb (30 obs.) 5.4Msz (32 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 40S, 84C
Centroid Location:
Origin Time 18:17:51.5 0.4
Lat 29.11S 0.05 Lon 176.78W 0.04
Dep 18.5 1.9 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.11	64	288
N	0.17	1	196
P	-3.28	26	106

Best Double Couple:Mo=3.2*10**17

	Strike=	Dip=	Slip=
NP1:	194	19	88
NP2:	16	71	91

03 03 24 28.42 18.785N 145.391E 245km
5.0mb (81 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 73C
Centroid Location:
Origin Time 03:24:32.9 0.3
Lat 19.04N 0.03 Lon 145.52E 0.01
Dep 214.9 1.1 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.55	48	161
N	-0.28	40	323
P	-4.27	9	61

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

	Strike=	Dip=	Slip=
NP1:	188	50	147
NP2:	300	65	45

03 04 36 06.52 41.841S 88.058E 10km
4.9mb (10 obs.) 5.3Msz (7 obs.)
SOUTHEAST INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 46C
Centroid Location:
Origin Time 04:36:14.9 0.4
Lat 41.98S 0.05 Lon 87.92E 0.08
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.78	20	4
N	-0.52	69	201
P	-1.26	5	96

Best Double Couple:Mo=1.5*10**17

	Strike=	Dip=	Slip=
NP1:	142	72	11
NP2:	48	80	162

03 15 20 18.02 6.085N 125.915E 145km
5.3mb (73 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 29C
Centroid Location:
Origin Time 15:20:17.4 0.7
Lat 6.07N FIX;Lon 125.92E FIX
Dep 133.2 3.5 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.81	8	354
N	1.66	60	250
P	-9.47	29	88

Best Double Couple:Mo=8.6*10**16

	Strike=	Dip=	Slip=
NP1:	127	64	-16
NP2:	224	76	-153

03 16 51 46.30 13.619N 123.072E 18km
5.4mb (77 obs.) 5.3Msz (35 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 39C
Centroid Location:
Origin Time 16:51:49.7 0.4
Lat 13.89N 0.04 Lon 123.40E 0.05
Dep 26.2 3.3 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.40	5	346
N	-0.83	70	88
P	-2.58	20	254

Best Double Couple:Mo=3.0*10**17

	Strike=	Dip=	Slip=
NP1:	31	73	-169
NP2:	298	79	-18

04 16 28 32.36 12.495N 141.923E 27km
5.7mb (73 obs.) 5.2Msz (30 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 40S, 76C
Centroid Location:
Origin Time 16:28:33.5 0.4
Lat 12.47N 0.03 Lon 142.04E 0.04
Dep 15.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.16	7	344
N	-0.01	18	252
P	-2.15	70	95

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

	Strike=	Dip=	Slip=
NP1:	94	41	-62
NP2:	238	55	-112

04 18 04 28.01 1.286S 24.277W 10km
5.0mb (22 obs.) 5.0Msz (17 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 62C
Centroid Location:
Origin Time 18:04:33.9 0.4
Lat 1.04S 0.04 Lon 24.52W 0.04
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.18	16	34
N	-0.49	69	256
P	-1.68	13	128

Best Double Couple:Mo=1.9*10**17

	Strike=	Dip=	Slip=
NP1:	171	69	2
NP2:	80	88	159

05 06 37 23.74 12.542N 141.985E 50km
5.2mb (39 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 44C
Centroid Location:
Origin Time 06:37:22.8 0.5
Lat 12.43N 0.04 Lon 142.00E 0.04
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.72	20	352
N	0.01	6	260
P	-1.73	69	155

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

	Strike=	Dip=	Slip=
NP1:	93	25	-76
NP2:	258	65	-96

05 07 15 21.14 12.573N 141.882E 28km
5.7mb (73 obs.) 5.7Msz (38 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 41S, 86C
Centroid Location:
Origin Time 07:15:24.1 0.2
Lat 12.51N 0.02 Lon 141.88E 0.02
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	7.07	8	351
N	-0.17	11	260
P	-6.89	77	118

Best Double Couple.Mo=7.0*10**17

	Strike=	Dip=	Slip=
NP1:	94	38	-73
NP2:	252	54	-103

06 12 42 51.66 56.522S 25.765W 33km
5.3mb (15 obs.) 5.5Msz (33 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 42S, 87C
Centroid Location.
Origin Time 12:42:59.9 0.2
Lat 56.44S 0.03 Lon 25.38W 0.04
Dep 15.7 1.6 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.50	64	250
N	0.28	0	159
P	-4.77	26	69

Best Double Couple:Mo=4.6*10**17

	Strike=	Dip=	Slip=
NP1:	158	19	89
NP2:	339	71	90

07 05 02 46.43 29.166S 176.921W 21km
5.3mb (13 obs.) 5.1Msz (11 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 60C
Centroid Location:
Origin Time 05:02:52.9 0.5
Lat 28.75S 0.07 Lon 176.66W 0.05
Dep 19.5 3.1 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.32	63	288
N	0.10	1	196
P	-1.42	27	106

Best Double Couple:Mo=1.4*10**17

	Strike=	Dip=	Slip=
NP1:	193	18	86
NP2:	17	72	91

07 11 08 19.39 44.378N 147.593E 108km
5.3mb (104 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 10C
Centroid Location:
Origin Time 11:08:18.7 1.2
Lat 44.40N 0.13 Lon 148.44E 0.20
Dep 95.2 7.7 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	3.97	47	20
N	0.08	29	253
P	-4.05	28	146

Best Double Couple:Mo=4.0*10**16

	Strike=	Dip=	Slip=
NP1:	187	31	21
NP2:	79	79	120

07 13 27 42.01 37.634N 137 245E 11km
6.3mb (176 obs.) 6.2Msz (27 obs.)
NEAR WEST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	10	50	75
NP2:	213	42	107

Principal Axes:

	Plg=	Azm=
T	78	219
P	4	111

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a small strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 24 Focal mech. F
Energy 7.8±1.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 6 No. of sta: 31
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	8.61	70	272
N	-0 59	8	160
P	-8.02	18	67

Best Double Couple:Mo=8 3*10**18

	Strike=	Dip=	Slip=
NP1:	145	28	73
NP2:	344	64	99

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 37S, 99C M.W.: 28S, 54C
Centroid Location:
Origin Time 13:27:49.4 0.1
Lat 37.74N 0.01 Lon 137.21E 0.01
Dep 15.0 BDY Half-duration 3.7
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	3.48	89	242
N	-0.14	1	30
P	-3.34	1	120

Best Double Couple:Mo=3.4*10**18

	Strike=	Dip=	Slip=
NP1:	211	44	91
NP2:	29	46	89

08 04 24 47.20 4.834S 101.916E 30km
5.9mb (92 obs.) 5.6Msz (46 obs.)
SOUTHERN SUMATERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L.P.B.: 42S, 90C
Centroid Location:
Origin Time 04:24:51.3 0.3
Lat 5.24S 0.03 Lon 101.91E 0.04
Dep 24.3 2.4 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.01	59	14
N	0.77	5	113
P	-4.77	31	206

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

	Strike=	Dip=	Slip=
NP1:	313	15	111
NP2:	112	76	84

09 12 04 49.25 0.696N 29.666W 10km
5.2mb (30 obs.) 4.8Msz (7 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 56C
Centroid Location:
Origin Time 12:04:57.2 0.3
Lat 0.63N 0.04 Lon 29.68W 0.03
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.73	16	46
N	0.16	74	231
P	-1.89	1	136

Best Double Couple:Mo=1.8*10**17

	Strike=	Dip=	Slip=
NP1:	182	78	10
NP2:	90	80	168

09 14 25 38.90 45.709N 141.938E 307km
5.6mb (170 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 68C
Centroid Location:
Origin Time 14:25:42.5 0.3
Lat 45.66N 0.03 Lon 141.94E 0.03
Dep 314.4 1.7 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.81	37	23
N	0.10	32	141
P	-2.91	37	258

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

	Strike=	Dip=	Slip=
NP1:	50	32	179
NP2:	141	90	58

10 00 16 32.33 19.428S 169.181E 10km
5 2mb (25 obs.) 4.7Msz (3 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 47C
Centroid Location:
Origin Time 00:16:34.4 0.8
Lat 19.46S 0.09 Lon 169 63E 0.06
Dep 26.4 6.7 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.34	20	41
N	-2.57	66	185
P	-6.77	13	306

Best Double Couple:Mo=8.1*10**16

	Strike=	Dip=	Slip=
NP1:	82	66	175
NP2:	174	85	24

10 10 53 07.20 7.745S 105.262E 33km
5.7mb (88 obs.) 5.2Msz (37 obs.)
JAWA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 42S, 99C
Centroid Location:
Origin Time 10:53:14.3 0.2
Lat 7.92S 0.02 Lon 105.12E 0.02
Dep 68.2 1.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.00	22	39
N	-1.43	65	187
P	-4.57	12	304

Best Double Couple:Mo=5.3*10**17

	Strike=	Dip=	Slip=
NP1:	80	66	173
NP2:	173	83	24

12 10 52 03.89 79.218N 124.503E 10km
5 0mb (66 obs.) 4.3Msz (16 obs.)
EAST OF SEVERNAYA ZEMLYA, RUSSIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 38C
Centroid Location:
Origin Time 10:52: 8.4 0.4
Lat 78.85N 0.08 Lon 125.97E 0.49
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	3.76	9	262
N	1.90	25	356
P	-5.66	63	153

Best Double Couple:Mo=4.7*10**16

	Strike=	Dip=	Slip=
NP1:	324	42	-130
NP2:	193	59	-60

12 11 33 00.36 17 580S 172 627W 31km
4.9mb (16 obs.) 5.1Msz (27 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 38C
Centroid Location:
Origin Time 11:33: 3.0 0.9
Lat 17.97S 0.11 Lon 172.51W 0.08
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.31	60	283
N	-1.08	7	26
P	-8.23	29	120

Best Double Couple:Mo=8.8*10**16

	Strike=	Dip=	Slip=
NP1:	230	17	115
NP2:	24	74	82

13 00 43 00.50 6.658N 126.860E 22km
5.1mb (37 obs.) 4.8Msz (17 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 44C
Centroid Location:
Origin Time 00:43: 8.5 0.5
Lat 6.57N 0.07 Lon 127.38E 0.07
Dep 24.8 2.9 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.25	73	5
N	0.46	16	204
P	-10.71	5	113

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

	Strike=	Dip=	Slip=
NP1:	186	42	66
NP2:	37	52	110

13 02 25 49.77 8.331N 39.308E 12km
5.0mb (35 obs.) 4.9Msz (14 obs.)
ETHIOPIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 33C
Centroid Location:
Origin Time 02:25:49.7 1.1
Lat 7.75N 0.10 Lon 39.06E 0.06
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.36	18	313
N	-0.45	71	147
P	-0.92	4	45

Best Double Couple:Mo=1.1*10**17

	Strike=	Dip=	Slip=
NP1	90	74	10
NP2:	357	80	164

13 10 55 56.15 14.926S 176.924W 33km
5.7mb (56 obs.) 6.0Msz (52 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	33	70	150
NP2:	134	62	23

Principal Axes:

	Plg=	Azm=
T	35	351
P	5	85

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 22 Focal mech. F
Energy 1.7±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 4 No. of sta: 26
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.01	27	358
N	0.04	58	214
P	-2.05	16	96

Best Double Couple:Mo=2.0*10**18

	Strike=	Dip=	Slip=
NP1:	139	59	8
NP2:	45	83	149

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 43S, **C M.W.: 35S, 69C
Centroid Location:
Origin Time 10:55:59.9 0.1
Lat 14.84S 0.01 Lon 176.65W 0.01
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.06	11	7
N	-0.35	68	249
P	-1.71	19	101

Best Double Couple:Mo=1.9*10**18

	Strike=	Dip=	Slip=
NP1:	143	68	-6
NP2:	235	84	-158

13 21 19 36.03 51.720N 176.447E 33km
5.3mb (117 obs.) 4.5Msz (21 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 48C
Centroid Location:
Origin Time 21:19:37.8 0.7
Lat 52.08N 0.07 Lon 177.26E 0.13
Dep 25.6 4.5 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.84	65	353
N	-0.27	2	87
P	-5.57	25	177

Best Double Couple:Mo=5.7*10**16

	Strike=	Dip=	Slip=
NP1:	271	20	95
NP2:	86	70	88

13 22 11 11.85 6.699N 123 709E 617km
5.0mb (42 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 18C
Centroid Location:
Origin Time 22:11:17 0 0.7
Lat 6.71N FIX;Lon 123.71E FIX
Dep 615.4 6.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.84	42	140
N	0.83	9	41
P	-9.66	47	301

Best Double Couple:Mo=9.2*10**16

	Strike=	Dip=	Slip=
NP1:	295	10	-16
NP2:	41	87	-99

15 08 55 26.38 12.505S 166.387E 129km
5.5mb (59 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 45S, **C
Centroid Location:
Origin Time 08 55:26.4 0.2
Lat 11.98S 0.02 Lon 166.33E 0.01
Dep 46.3 1.0 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.54	79	318
N	0.71	8	178
P	-7.25	7	87

Best Double Couple Mo=6.9*10**17

	Strike=	Dip=	Slip=
NP1:	168	39	76
NP2:	5	52	101

15 12 02 13.45 20.040S 169 187E 46km
5.1mb (38 obs.) 4 4Msz (4 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 20C
Centroid Location:
Origin Time 12 02:17 6 1.5
Lat 20.21S 0.14 Lon 169 31E 0.11
Dep 40.5 8.7 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.62	73	116
N	0.45	10	350
P	-5.07	13	257

Best Double Couple:Mo=4.8*10**16

	Strike=	Dip=	Slip=
NP1:	334	33	71
NP2:	176	59	102

16 09 16 16.25 15.472S 173.285W 39km
5.1mb (32 obs.) 4.9Msz (28 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 66C
Centroid Location:
Origin Time 09:16:20.8 0.4
Lat 15.39S 0.05 Lon 172.89W 0.04
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.47	65	302
N	0.13	12	184
P	-1.60	21	89

Best Double Couple:Mo=1.5*10**17

	Strike=	Dip=	Slip=
NP1:	158	26	62
NP2:	9	67	103

17 05 59 49.26 7.784S 117.392E 280km
5.2mb (52 obs.)
BALI SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 24C
Centroid Location:
Origin Time 05:59:53.7 0.7
Lat 7.78S 0.06 Lon 117.53E 0.11
Dep 273.9 3.3 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.90	55	358
N	-0.21	8	99
P	-7.69	34	194

Best Double Couple:Mo=7.8*10**16

	Strike=	Dip=	Slip=
NP1:	315	13	127
NP2:	97	80	82

17 07 22 44.36 35.515N 42.647E 18km
4.9mb (45 obs.) 4.9Msz (9 obs.)
IRAQ
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 42C
Centroid Location:
Origin Time 07:22:47.1 0.5
Lat 35.19N 0.07 Lon 42.15E 0.04
Dep 33.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.37	11	112
N	0.21	59	223
P	-1.58	28	16

Best Double Couple Mo=1.5*10**17

	Strike=	Dip=	Slip=
NP1:	158	62	-167
NP2:	62	79	-29

17 17 46 23 52 6 002S 150 604E 25km
5.1mb (21 obs.) 5 2Msz (43 obs.)
NEW BRITAIN REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 41S, 80C
Centroid Location:
Origin Time 17:46:33.0 0.3
Lat 6.14S 0.03 Lon 150.81E 0.04
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.55	63	1
N	0.29	5	262
P	-2.84	26	170

Best Double Couple:Mo=2.7*10**17

	Strike=	Dip=	Slip=
NP1:	249	19	76
NP2:	83	71	95

18 10 10 48.46 0.457S 19.454W 10km
5.2mb (63 obs.) 5.8Msz (32 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 47S, **C
Centroid Location:
Origin Time 10:11: 1.6 0.1
Lat 0.16S 0.02 Lon 19.59W 0.01
Dep 15.0 FIX Half-duration 3.3
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	3.04	3	32
N	0.09	80	281
P	-3.12	9	122

Best Double Couple:Mo=3.1*10**18

	Strike=	Dip=	Slip=
NP1:	167	81	-4
NP2:	257	86	-171

18 19 35 36.81 52.998S 72 687E 10km
5.5mb (40 obs.) 4.9Msz (5 obs.)
KERGUELEN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 44C
Centroid Location:
Origin Time 19:35:43.9 0.5
Lat 52.92S 0.07 Lon 72.77E 0.17
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.65	50	225
N	-0.05	7	126
P	-1.59	39	30

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

	Strike=	Dip=	Slip=
NP1:	73	9	36
NP2:	307	85	97

19 00 43 16.63 27.813S 74.097E 10km
5.1mb (21 obs.) 4.8Msz (4 obs.)
MID-INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 28C
Centroid Location:
Origin Time 00:43:22.0 0.5
Lat 27.90S 0.09 Lon 74.00E 0.14
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.50	0	219
N	-1.84	90	180
P	-6.66	0	129

Best Double Couple:Mo=7.6*10**16

	Strike=	Dip=	Slip=
NP1:	264	90	-180
NP2:	354	90	0

20 07 11 52.12 22.110S 174.838W 44km
5.6mb (30 obs.) 5.5Msz (47 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 37S, 68C
Centroid Location:
Origin Time 07:11:53.6 0.5
Lat 21.27S 0.06 Lon 175.24W 0.04
Dep 15.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.53	34	304
N	-0.50	26	195
P	-2 02	45	76

Best Double Couple:Mo=2.3*10**17

	Strike=	Dip=	Slip=
NP1:	90	27	-13
NP2:	192	84	-116

21 07 13 20.12 6.726S 127 636E 368km
5.3mb (77 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 44C
Centroid Location:
Origin Time 07:13.26.2 0.3
Lat 6.29S 0.03 Lon 127.84E 0.04
Dep 365 2 1.6 Half-duration 5.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.33	49	223
N	0 36	7	125
P	-3 69	40	29

Best Double Couple:Mo=3.5*10**17

	Strike=	Dip=	Slip=
NP1:	70	8	34
NP2:	306	85	97

22 00 08 55.05 47.191N 154.125E 33km
5.4mb (126 obs.) 5.4Msz (26 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 90C
Centroid Location.
Origin Time 00:09: 2.5 0.3
Lat 47.34N 0.03 Lon 154.38E 0.04
Dep 16.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.81	73	256
N	0.15	11	26
P	-3.96	12	118

Best Double Couple:Mo=3.9*10**17

	Strike=	Dip=	Slip=
NP1:	222	34	110
NP2:	19	58	77

22 06 37 22.21 47.129N 154.061E 25km
5.6mb (123 obs.) 5 2Msz (28 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 74C
Centroid Location:
Origin Time 06:37:28.5 0.3
Lat 47.16N 0.04 Lon 154.20E 0.04
Dep 27.1 1.9 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.17	74	264

N 0.29 9 26
P -2.46 14 118
Best Double Couple:Mo=2.3*10**17
NP1:Strike=220 Dip=32 Slip= 107
NP2: 21 59 80

22 07 06 01.39 47.125N 154.064E 44km
5.7mb (124 obs.) 5.2Msz (26 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 61C
Centroid Location:
Origin Time 07:06: 4.2 0.4
Lat 47.24N 0.05 Lan 154.04E 0.05
Dep 15.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.05 Plg=64 Azm=273
N 0.19 9 23
P -3.25 24 117
Best Double Couple:Ma=3.2*10**17
NP1:Strike=226 Dip=23 Slip= 115
NP2: 20 70 80

23 11 56 27.10 86.941N 56.073E 10km
4.7mb (47 obs.) 4.6Msz (13 obs.)
NORTH OF FRANZ JOSEF LAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 34C
Centroid Location:
Origin Time 11 56:30.5 0.5
Lat 86.95N 0.06 Lan 56 68E 1 36
Dep 16.3 4.0 Half-duration 1 1
Principal Axes:
Scale 10**16 Nm
T Val= 5.23 Plg= 5 Azm=350
N 1.31 25 82
P -6.53 65 250
Best Double Couple:Mo=5.9*10**16
NP1:Strike= 56 Dip=46 Slip=-126
NP2: 281 54 -59

24 02 44 44.93 1.273N 129.392E 33km
5.0mb (11 obs.) 4.8Msz (4 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 48C
Centroid Location:
Origin Time 02:44:48.5 0.5
Lat 1.26N 0.06 Lon 129.39E 0.05
Dep 26.4 4.7 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 11.87 Plg=19 Azm=325
N -1.86 70 124
P -10.01 7 233
Best Double Couple:Mo=1.1*10**17
NP1 Strike= 7 Dip=72 Slip= 171
NP2: 100 82 18

24 12 39 59.59 16 362S 172 861W 33km
5.0mb (20 obs.) 4.8Msz (17 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 46C
Centroid Location:
Origin Time 12:40: 3.3 0.7
Lat 16.68S 0.08 Lon 172.44W 0.07
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 8.30 Plg=57 Azm=299
N 0.85 7 198
P -9.15 32 103
Best Double Couple:Mo=8.7*10**16
NP1:Strike=169 Dip=15 Slip= 61
NP2: 19 77 97

24 22 21 37.83 24.931S 68.386W 119km
5.8mb (76 obs.)
CHILE-ARGENTINA BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=110 Dip=62 Slip=-118
NP2: 339 39 -49
Principal Axes:
T Plg=13 Azm=220
P 62 335
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 11 Focal mech. F
Energy 6.5±1.6*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 114 No. of sta: 12
Principal Axes:
Scale 10**17 Nm
T Val= 3.83 Plg= 8 Azm=204
N 0.15 31 110
P -3.97 58 307
Best Double Couple:Mo=3.9*10**17
NP1:Strike=325 Dip=46 Slip= -44
NP2: 89 60 -127
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 39S, 79C M.W.: 11S, 11C
Centroid Location:
Origin Time 22:21.44.3 0.2
Lot 25.18S 0.02 Lan 68.45W 0.03
Dep 132.6 1.0 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.81 Plg= 5 Azm=214
N -0.47 27 122
P -3.34 62 313
Best Double Couple:Mo=3 6*10**17
NP1:Strike=331 Dip=47 Slip= -51
NP2: 101 55 -124

25 07 34 57.06 23 996S 177 218W 166km
5.3mb (38 obs)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 42S, 81C
Centroid Location:
Origin Time 07:35: 1.3 0.3
Lat 23.77S 0.03 Lan 177 01W 0.02
Dep 168.4 0.8 Half-duration 1 6
Principal Axes:
Scale 10**17 Nm
T Val= 3.25 Plg=43 Azm=125
N 0.28 9 27
P -3.52 46 288
Best Double Couple:Mo=3.4*10**17
NP1:Strike=287 Dip= 9 Slip= -10
NP2: 27 89 -99

25 09 27 43.10 40.268N 142.333E 48km
5.5mb (106 obs.) 5.3Msz (34 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 87C
Centroid Location:
Origin Time 09:27:45.8 0.2
Lat 40.29N 0.03 Lon 142.66E 0.03
Dep 34.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.88 Plg=64 Azm=317
N 0.33 12 202
P -4.20 23 106
Best Double Couple:Mo=4.0*10**17
NP1:Strike=174 Dip=24 Slip= 60
NP2: 26 69 103

26 21 47 53.21 5.442S 144.635E 15km
5.2mb (35 obs.) 4.6Msz (4 obs.)
NEW GUINEA, PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 48C
Centroid Location:
Origin Time 21:48: 1.4 0.4
Lat 5.55S 0.06 Lon 144.66E 0.06
Dep 29.7 4.7 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 9.64 Plg=19 Azm=302
N -0.66 57 180
P -8.98 26 41
Best Double Couple:Mo=9.3*10**16
NP1:Strike= 80 Dip=57 Slip= -5
NP2: 173 85 -147

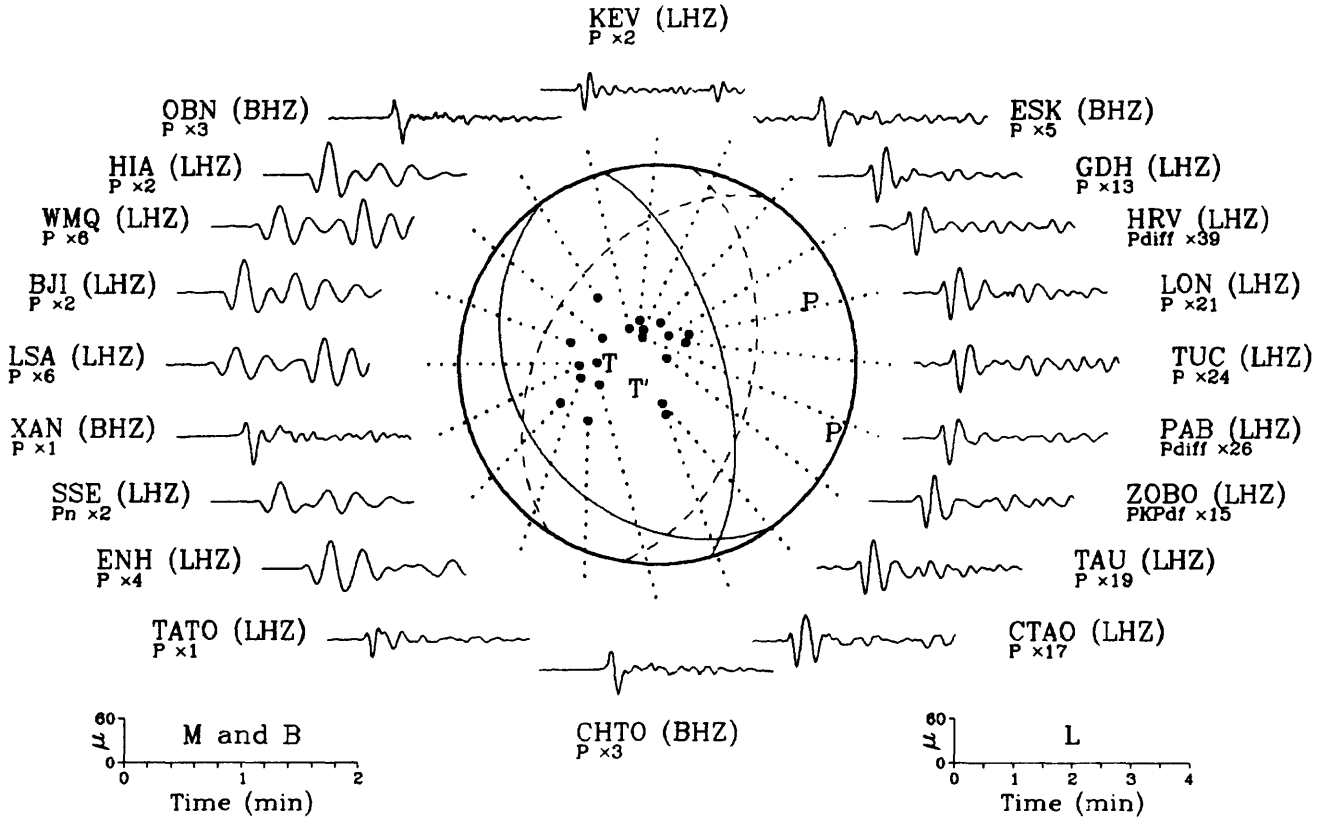
27 18 38 10.08 49.842N 156.193E 35km
5.4mb (108 obs.) 4.9Msz (36 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 80C
Centroid Location:
Origin Time 18:38:16.8 0.3
Lot 49.67N 0.04 Lon 156.54E 0.04
Dep 47.5 2.5 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.61 Plg=77 Azm=326
N 0.30 5 214
P -1.91 12 123
Best Double Couple:Mo=1.8*10**17
NP1:Strike=206 Dip=33 Slip= 81
NP2: 37 57 96

28 00 45 28.70 8.249N 121.732E 32km
5.1mb (52 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 12C
Centroid Location:
Origin Time 00.45:29.4 0.8
Lat 8.20N 0.09 Lon 122.55E 0.12
Dep 17.9 7.9 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 11.95 Plg=32 Azm=246
N -2 82 2 338
P -9.13 58 71
Best Double Couple.Ma=1.1*10**17
NP1:Strike=327 Dip=13 Slip=-101
NP2: 158 77 -88

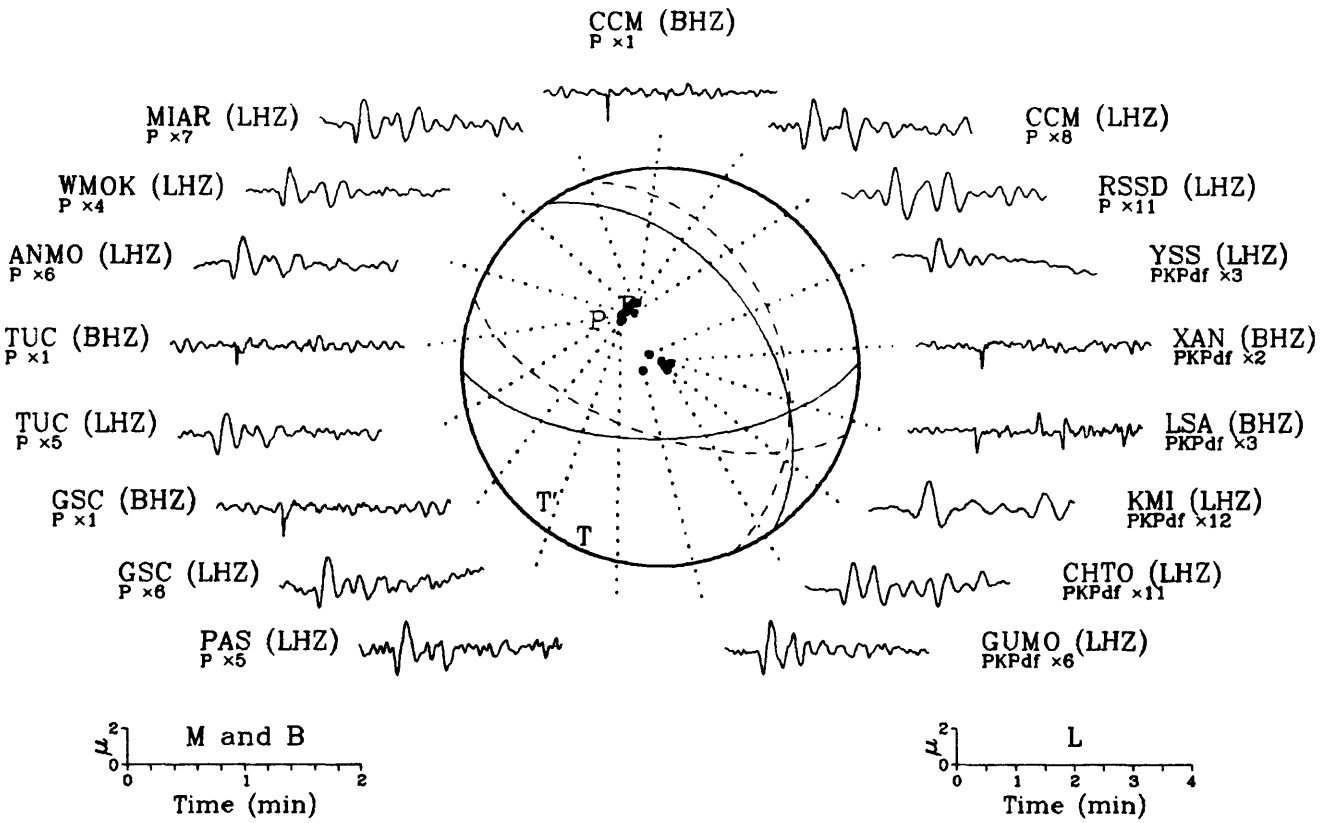
28 13 29 24.65 49.47 S 114 29 W 10km
5.0mb (5 obs.) 5.1Msz (3 obs.)
SOUTHERN EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P B.. 29S, 44C
Centroid Location.
Origin Time 13.29:16.0 0.5
Lot 49.66S 0.07 Lon 114.73W 0.07
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 11.34 Plg= 0 Azm=240
N -0.07 90 180
P -11.27 0 150
Best Double Couple:Mo=1.1*10**17
NP1:Strike=285 Dip=90 Slip=-180
NP2: 15 90 0

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

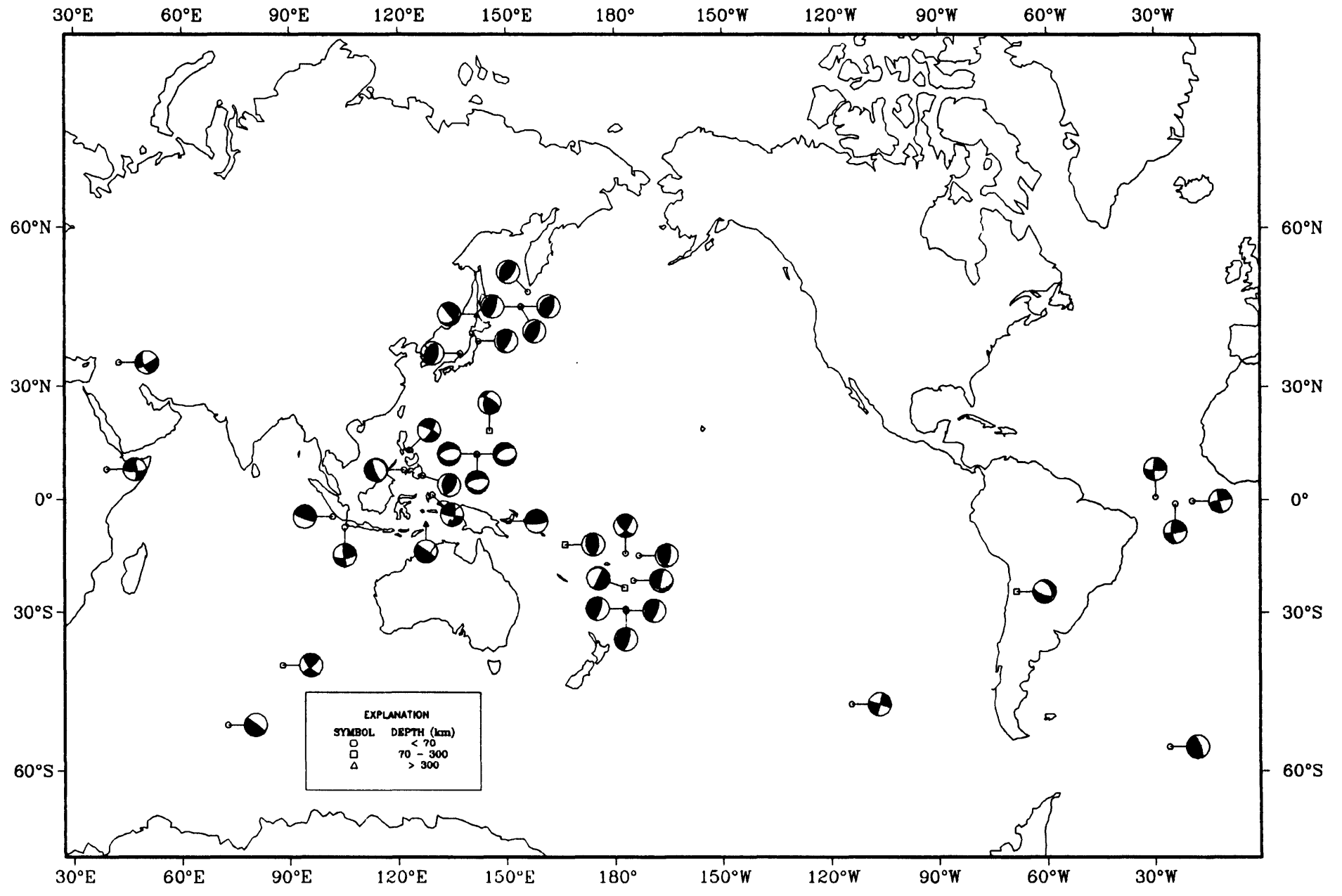
07 February 1993 13:27:42.01
Near West Coast of Honshu, Japan

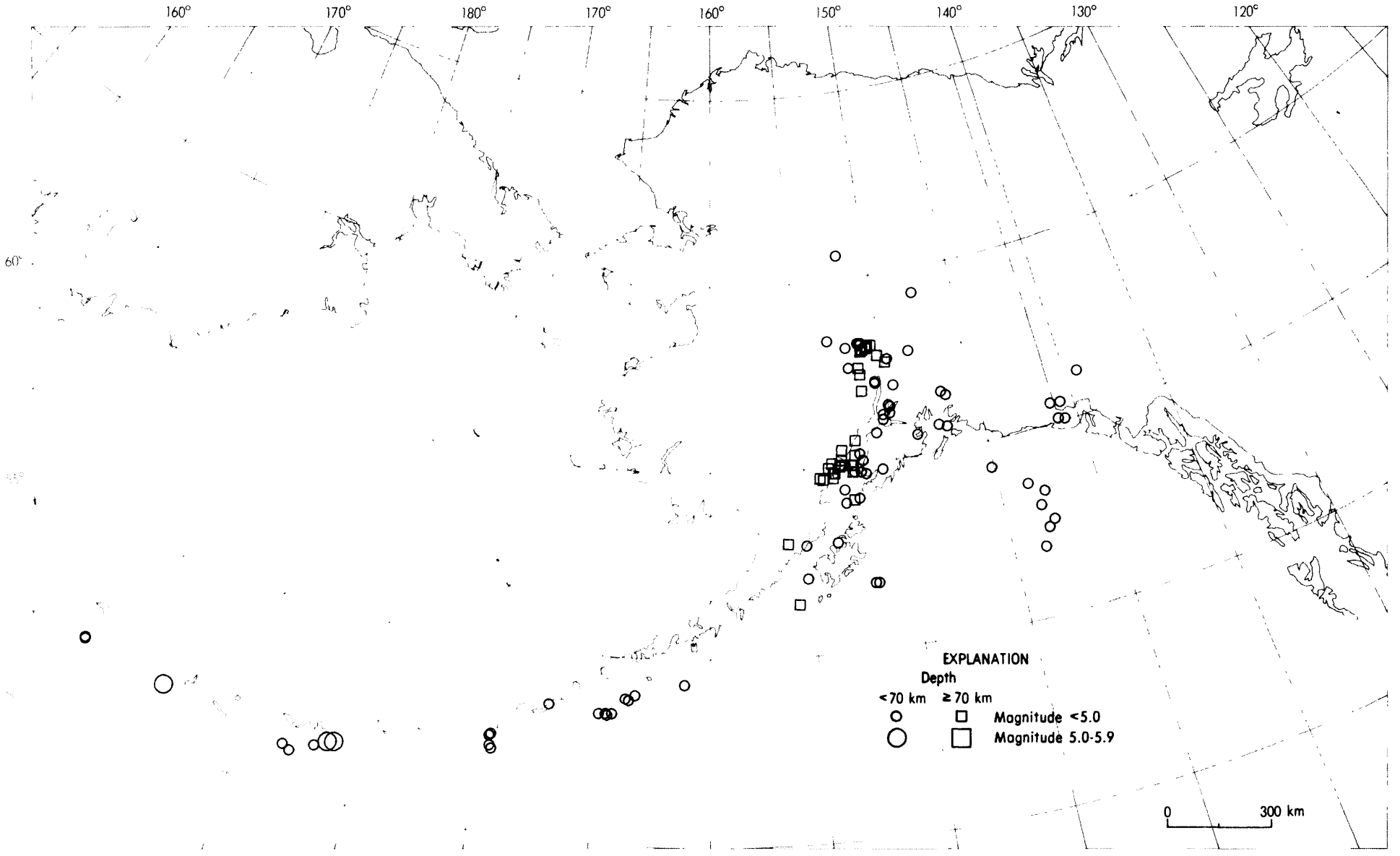


24 February 1993 22:21:37.83
Chile–Argentina Border Region

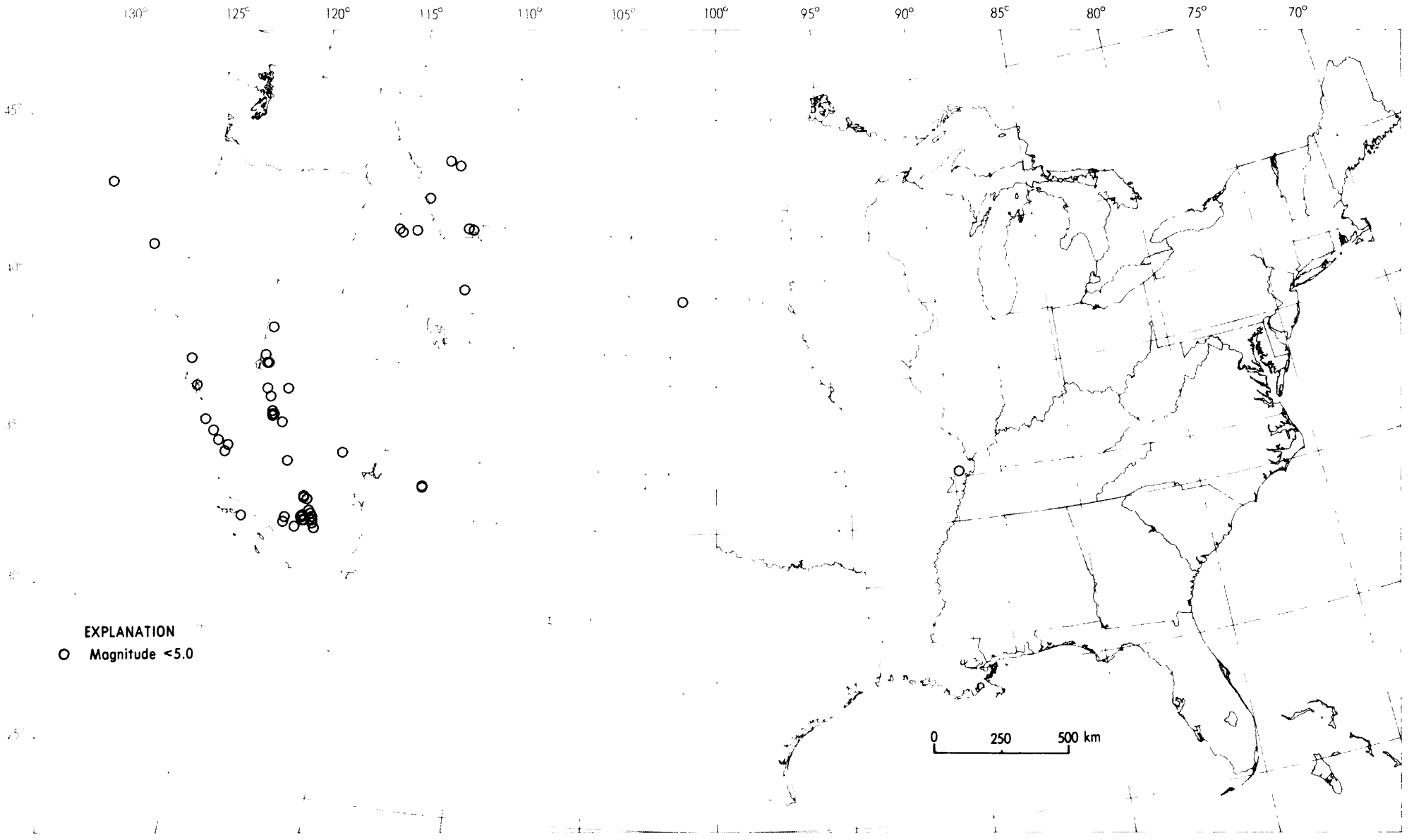


Earthquake Focal Mechanisms for February 1993

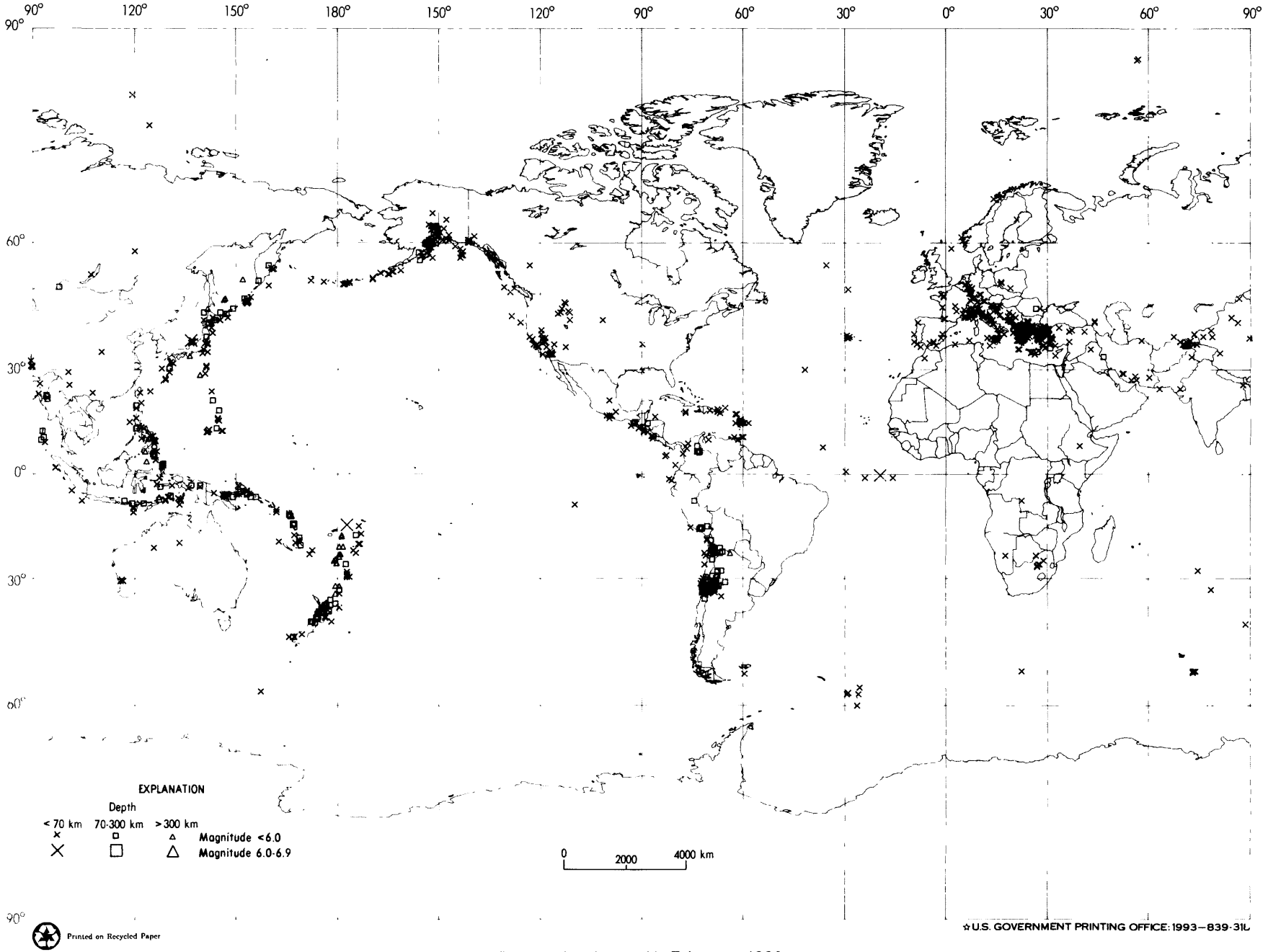




Earthquake epicenters in Alaska and adjacent regions for February, 1993.



Earthquake epicenters in the conterminous United States and adjacent regions for February, 1993.



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National Earthquake Information Center

MARCH 1993

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	12	33.1%	26.213	S	28.214	E	5	G			0.9	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
f	01	01	39	27.8	3.744	S	138.536	E	89	G	6.1		1.0	365	IRIAN JAYA, INDONESIA. Mw 6.2 (GS), 6.1 (HRV). Felt in central Irian Jaya. Two events about 1.5 seconds apart. Depth from broadband displacement seismograms, based on first event.
	01	02	19	19.7&	34.949	N	116.935	W	0					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt.
	01	03	42	50.5%	37.747	S	176.780	E	10				0.7	13	NORTH ISLAND, NEW ZEALAND. ML 3.8 (WEL).
	01	04	32	49.1&	62.203	N	151.041	W	87		2.7			67	CENTRAL ALASKA. <AEIC>.
	01	05	11	35.6&	63.278	N	150.952	W	15					44	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	01	06	31	10.9?	47.99	N	155.94	E	33	N	4.4		0.6	8	EAST OF KURIL ISLANDS
	01	07	19	46.4%	42.651	N	20.471	E	10	G			0.5	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	01	07	31	07.6&	35.030	N	116.967	W	4					10	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.9 (GS).
	01	07	42	37.8	49.637	N	21.163	E	10	G	4 0		1.0	24	POLAND. ML 3.9 (VIE). Felt in the Bardejov-Vysne Raslovice-Giraltovce area, Slovakia.
	01	08	27	58.8?	8.56	N	123.23	E	134	?	4.7		1.2	9	MINDANAO, PHILIPPINE ISLANDS
	01	08	28	25.9	59.085	N	145.382	W	10	G			0.8	27	GULF OF ALASKA. ML 2.5 (AEIC).
	01	08	49	02.2%	26.894	S	26.756	E	10	G			0.9	8	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
	01	08	55	50.2?	40.10	N	24.09	E	10	G			0.7	5	AEGEAN SEA. ML 2.4 (THE).
	01	09	07	39.2%	39.019	N	27.584	E	33	N			1.2	5	TURKEY. MD 2.7 (ISK).
	01	09	18	35.2?	22.03	S	178.24	W	442	?	4.2		1.0	20	SOUTH OF FIJI ISLANDS
	01	09	34	02.6?	34.28	S	178.79	W	202	?	4.8		1.4	39	SOUTH OF KERMADEC ISLANDS
	01	10	03	45.4?	42.06	N	126.43	W	10	G			0.9	10	OFF COAST OF OREGON. ML 3.1 (GS).
	01	10	42	08.9&	50.646	N	130.049	W	10	G	3.7			11	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.6 (PGC).
	01	11	28	31.8?	40.13	N	20.97	E	10	G			1.2	6	GREECE-ALBANIA BORDER REGION. ML 3.2 (TIR).
	01	11	38	13 5&	60.124	N	152.914	W	130		2.8			47	SOUTHERN ALASKA. <AEIC>.
	01	11	59	35.6	44.231	N	129.099	W	10	G	4.3		1.1	46	OFF COAST OF OREGON
	01	12	01	06.1	44.252	N	129.012	W	10	G	4.2		1.0	35	OFF COAST OF OREGON
	01	12	08	49.9%	26.414	S	27.431	E	5	G			0.8	5	REPUBLIC OF SOUTH AFRICA. ML 2.0 (PRE).
	01	12	36	25.8*	39 444	N	118.538	W	5	G			0 5	6	NEVADA. ML 2.8 (GS).
	01	12	43	11.9%	38.570	N	14.539	E	10	G	4.0		0 9	26	SICILY. ML 4.2 (THE).
	01	13	23	55.3&	59.743	N	153.490	W	126					50	SOUTHERN ALASKA. <AEIC>.
	01	13	54	16.0%	39.071	N	27.656	E	10	G			0.7	6	TURKEY. MD 2.8 (ISK).
	01	14	07	38.9	42.720	N	131.468	E	541	*	4.1		1.0	23	E. RUSSIA-N.E. CHINA BORDER REG.
	01	15	36	40.1*	18.109	N	100.651	W	33	N			0.5	7	GUERRERO, MEXICO
	01	16	52	18.6	25.978	N	127.770	E	43		4.7	3.9	1.1	36	RYUKYU ISLANDS
	01	17	19	25.6*	6.564	N	72.679	W	193	*	4.6		0.8	11	NORTHERN COLOMBIA
	01	17	42	06.6?	31.46	S	68.47	W	93	?			0.3	5	SAN JUAN PROVINCE, ARGENTINA
	01	18	06	46.0?	36.96	N	6.38	W	10	G			1.0	8	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
	01	18	29	25.6	44.215	N	129.132	W	10	G	4.3		1.1	46	OFF COAST OF OREGON
	01	18	29	40.7*	36.643	N	70.843	E	184	?	4.8		1.2	10	HINDU KUSH REGION, AFGHANISTAN
	01	19	25	29.3?	40.11	N	24.05	E	10	G			0.9	5	AEGEAN SEA. ML 2.4 (THE).
	01	20	03	39.7*	32.143	N	141.399	E	33	N	4.4		1.3	11	SOUTH OF HONSHU, JAPAN
	01	20	29	12.2?	40.67	N	23.40	E	10	G			0.5	4	GREECE. ML 2.0 (THE).
o	01	20	47	42.8*	13.072	S	174.784	E	33	N	4.9	4.9	0.7	17	FIJI ISLANDS REGION. Mw 5.3 (HRV).
	01	20	52	44.7%	39.381	N	27.885	E	10	G			0.4	14	TURKEY. MD 3.3 (ISK).
	01	21	10	43.5%	26.377	S	27.328	E	5	G			0.7	5	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
	01	21	11	52.8	38.147	N	23.238	E	33	N			0.5	13	GREECE. ML 3.3 (ATH), 3.0 (THE).
	01	22	14	37.0%	45.091	S	167.256	E	156	*			0.4	20	SOUTH ISLAND, NEW ZEALAND
	01	22	18	15.8*	31.234	S	67.759	W	10	G	5.3		1.2	31	SAN JUAN PROVINCE, ARGENTINA. MD 4.9 (SAN).
	01	22	31	03.7	26.853	S	26.777	E	5	G			1.3	10	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
	01	23	02	55.7	61.353	N	5.709	E	10	G			1.3	7	SOUTHERN NORWAY. MD 2.1 (BER).
f	02	00	23	59.6	8.294	S	122.303	E	15	G	5.9	5.1	1.1	201	FLORES REGION, INDONESIA. Mw 5.9 (GS), 5.7 (HRV). Felt strongly on Flores Island. Depth from broadband displacement seismograms.
	02	00	29	11.8&	36.670	N	89.490	W	9					22	NEW MADRID, MISSOURI REGION. <SLM-P>. MD 3.0 (SLM). mbLg 3 1 (GS). Felt (IV) at East Prairie, Kewanee and Lilbourn; (III) at Matthews and New Madrid; (II) at Portogeville.

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	02	00	40	13.3*	66.938	N	150.546	W	10	G		0.5	8	NORTHERN ALASKA. ML 3.0 (AEIC).
	02	00	51	46.0%	41.007	N	22.476	E	10	G		0.4	8	NORTHWESTERN BALKAN REGION. ML 1.9 (THE).
	02	00	55	06.5%	39.698	N	27.627	E	10	G		0.3	11	TURKEY. MD 3.1 (ISK).
	02	01	11	51.2%	32.916	S	70.724	W	33	N		1.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	02	01	47	56.2%	42.441	N	18.490	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	02	01	59	29.9?	43.47	N	5.40	E	10	G		1.0	8	NEAR SOUTH COAST OF FRANCE. ML 3.1 (STR).
	02	02	45	45.2*	15.186	N	92.167	W	91	*	3.9	1.1	13	MEXICO-GUATEMALA BORDER REGION
	02	03	37	14.5?	33.51	S	72.67	W	10	G		0.7	13	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	02	04	34	07.9	17.277	N	46.365	W	10	G	5.2 4.7	1.0	99	NORTHERN MID-ATLANTIC RIDGE
	02	04	56	11.9*	53.195	S	72.644	E	10	G	5.0	0.8	11	KERGUELEN ISLANDS REGION
	02	04	58	42.2?	54.46	N	161.30	W	33	N	4.0	0.3	4	ALASKA PENINSULA
	02	05	00	26.4*	53.205	S	72.749	E	10	G	5.1	0.7	11	KERGUELEN ISLANDS REGION
	02	05	19	34.0?	29.43	S	69.51	W	130	G		0.2	6	CHILE-ARGENTINA BORDER REGION
	02	05	26	53.5	31.142	S	67.852	W	10	G		0.9	8	SAN JUAN PROVINCE, ARGENTINA
	02	06	06	58.4%	38.799	N	26.411	E	10	G		0.8	6	AEGEAN SEA. MD 3.1 (ISK).
a	02	06	12	05.6	6.274	S	147.258	E	64		5.3	1.3	101	EASTERN NEW GUINEA REG., P.N.G. Mw 5.6 (HRV).
	02	06	33	23.2*	34.412	S	70.766	W	10			1.3	21	CHILE-ARGENTINA BORDER REGION. MD 4.4 (SAN). Felt (IV) at San Fernando; (III) at Graneros, Santiago, Peumo, Rancagua and San Vicente de Tagua-Tagua, Chile.
	02	07	12	52.1	39.772	N	25.574	E	10	G		0.8	26	AEGEAN SEA. ML 3.6 (THE). MD 3.5 (ISK), 3.3 (ATH).
	02	07	14	12.2	43.410	N	5.415	E	10	G		0.8	16	NEAR SOUTH COAST OF FRANCE. ML 2.8 (STR).
	02	07	20	18.2%	39.375	N	27.966	E	10	G		0.9	7	TURKEY. MD 2.8 (ISK).
	02	07	38	21.6*	42.064	N	126.395	W	10	G	3.7	0.4	13	OFF COAST OF OREGON
	02	07	54	59.8?	26.87	N	53.63	E	33	N	4.0	1.3	8	SOUTHERN IRAN
	02	08	14	47.3%	42.323	N	18.857	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	02	09	02	14.7*	18.729	N	66.476	W	33	N		0.3	7	PUERTO RICO REGION
	02	10	09	43.2?	41.90	N	27.44	E	10	G		0.8	4	TURKEY. MD 3.0 (ISK).
	02	10	17	45.0?	8.94	S	105.66	E	33	N	5.1	0.7	8	SOUTH OF JAWA, INDONESIA
	02	10	22	49.1?	6.45	S	106.65	E	124	*	4.5	0.9	10	JAWA, INDONESIA
	02	10	23	17.1?	38.16	N	28.12	E	10	G		0.6	5	TURKEY. MD 2.8 (ISK).
	02	10	35	59.0%	40.443	N	21.838	E	10	G		0.7	6	GREECE. ML 2.0 (THE).
	02	10	40	08.3&	33.360	N	116.363	W	12				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	02	11	57	59.3&	60.182	N	153.488	W	0				32	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	02	12	04	52.0	58.371	N	143.500	W	10	G	3.1	0.5	46	GULF OF ALASKA. ML 3.2 (AEIC).
	02	12	11	24.3	38 293	N	28.087	E	23		3.6	1.1	35	TURKEY. MO 3.8 (ATH), 3.7 (ISK).
	02	12	38	16.3?	26.01	N	128.38	E	33	N	4.6	0.6	10	RYUKYU ISLANDS
	02	12	47	23.1	42.621	N	24.199	E	10	G		0.9	12	BULGARIA. ML 3.3 (THE).
	02	12	57	31.2*	10 997	N	69.557	W	33	N	3.3	1.4	6	VENEZUELA
	02	13	14	10.5%	31 949	S	67.297	W	107	?		0.2	6	SAN JUAN PROVINCE, ARGENTINA
	02	13	20	23.9%	39.112	N	27.631	E	10	G		0.4	6	TURKEY. MD 2.8 (ISK).
	02	13	32	39.2&	35.164	N	120.657	W	6	G			8	CENTRAL CALIFORNIA. <PAS-P>. ML 2.6 (PAS). Felt (IV) at Oceano and (II) at Cayucos. Also felt at Arroyo Grande, Grover City and Pismo Beach.
	02	13	36	34.4*	30.870	N	103.077	E	10	G	3.6	1.2	5	SICHUAN, CHINA
	02	14	40	44.4%	26.359	S	27.328	E	5	G		1.0	8	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
	02	14	50	27.4%	41.210	N	22.060	E	10	G		0.7	9	NORTHWESTERN BALKAN REGION. ML 2.3 (THE).
	02	14	50	36.7*	28.442	S	70.415	W	10	G		1.4	11	CENTRAL CHILE
	02	14	52	56.6	43.422	N	5.445	E	10	G		0.5	9	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
	02	15	25	36.7?	31.05	S	178.00	W	33	N	4.8	1.2	13	KERMADEC ISLANDS REGION
	02	15	35	23.8%	41.182	N	22.076	E	10	G		0.7	5	NORTHWESTERN BALKAN REGION. ML 1.9 (THE).
	02	15	55	50.4%	38.407	S	176.178	E	177	*		0.7	29	NORTH ISLAND, NEW ZEALAND
	02	16	14	06.4%	41.185	N	22.060	E	10	G		0.5	5	NORTHWESTERN BALKAN REGION. ML 2.2 (THE).
	02	17	16	08.2?	4.43	S	104.44	W	10	G	4.4 4.4	1.4	7	CENTRAL EAST PACIFIC RISE
	02	17	26	59.0?	53.61	S	72.75	E	10	G	5.3	0.5	9	KERGUELEN ISLANDS REGION
	02	17	27	26.6*	34.865	N	35.191	W	10	G	4.7 4.5	1.2	11	NORTHERN MID-ATLANTIC RIDGE
	02	17	32	35.3?	37.48	N	26.46	E	10	G		0.9	6	DODECANESE ISLANDS. MD 3.1 (ISK).
	02	17	48	19.8*	41.231	N	22.055	E	10	G		0.7	9	NORTHWESTERN BALKAN REGION. ML 2.3 (THE).
	02	19	17	22.9?	31.40	S	68.47	W	93	?		0.6	5	SAN JUAN PROVINCE, ARGENTINA
	02	20	09	02.7*	33.875	S	70.421	W	119	?		1.0	20	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
	02	20	20	19.5*	8.774	S	119.321	E	99	?	4.9	0.8	10	FLORES REGION, INDONESIA
	02	21	38	07.6*	26.899	S	67.182	W	33	N		1.5	6	CATAMARCA PROVINCE, ARGENTINA
	02	21	43	15.9	24.295	S	67.080	W	178		5.1	1.1	112	CHILE-ARGENTINA BORDER REGION
	02	21	52	08.9?	6.49	S	146.93	E	33	N		1.4	5	EASTERN NEW GUINEA REG., P.N.G.
	02	22	02	26.3&	61.120	N	150.851	W	49				40	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	02	23	43	30.4%	26.375	S	27.318	E	5	G		1.0	9	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	02	23	48	49.2	43.100	N	0.275	W	10	G		1.0	15	PYRENEES. ML 3.0 (LDG). mbLg 2.9 (MDD). Felt (III) at Asson, France.
	02	23	52	16.4%	26 408	S	27.385	E	5	G		1.0	5	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	03	01	13	52.1?	32.56	S	176.82	W	33	N	4.8	1.2	9	SOUTH OF KERMADEC ISLANDS
	03	01	14	07.7&	62.711	N	150.636	W	80				53	CENTRAL ALASKA. <AEIC>.
	03	01	17	03.1	39.763	N	25.574	E	10	G		1.1	17	AEGEAN SEA. ML 3.1 (THE). MD 3.3 (ISK), 3.1 (ATH).
	03	02	01	48.4&	33.668	N	116.772	W	13				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	03	02	22	48.6	39.742	N	25.544	E	10	G		1.1	15	AEGEAN SEA. ML 3.0 (THE). MD 3.2 (ISK), 3.0 (ATH).
	03	02	24	32.8?	31.26	S	68.85	W	113	?		0.5	7	SAN JUAN PROVINCE, ARGENTINA
	03	03	12	52.3*	71.369	N	10.305	W	10	G	4.0	0.8	6	JAN MAYEN ISLAND REGION. MD 3.6 (BER).
	03	03	24	26.4	40.495	N	78.979	E	29		4.5	0.8	36	SOUTHERN XINJIANG, CHINA
	03	03	29	28.1	45.396	N	7.618	E	5	G		0.9	31	NORTHERN ITALY. ML 2.7 (LDG), 2.6 (GEN).
	03	04	14	27.5&	35.630	N	117.447	W	3				14	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.7 (GS).
	03	04	15	21.6?	5.44	S	68.71	E	10	G		0.6	9	CHAGOS ARCHIPELAGO REGION
	03	04	28	04.6*	45.183	N	150.211	E	52	*	4.1	1.3	22	KURIL ISLANDS
	03	04	32	40.7*	14.319	N	61.163	W	33	N		0.7	8	WINDWARD ISLANDS. ML 2.4 (FDF). MD 2.5 (TRN).
	03	04	50	39.8*	24.311	S	67.159	W	196	*	4.1	1.3	13	CHILE-ARGENTINA BORDER REGION
	03	05	05	07.8*	49.829	N	28.703	W	10	G	4.4 3.9	1.1	28	NORTHERN MID-ATLANTIC RIDGE
	03	05	17	31.0?	25.42	N	90.23	E	33	N	4.5	0.9	7	INDIA-BANGLADESH BORDER REGION
	03	06	29	20.7%	39.817	N	23.796	E	10	G		0.4	8	AEGEAN SEA. ML 2.1 (THE).
	03	06	36	03.3%	41.132	N	22.439	E	10	G		0.7	9	NORTHWESTERN BALKAN REGION. ML 2.2 (THE).
	03	07	40	17.6?	38.47	N	29.23	E	10	G		0.6	4	TURKEY. MD 3.0 (ISK).
	03	08	18	22.5	51.084	N	176.193	W	16	D	4.4	1 2	25	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
	03	08	20	51.0&	34.642	N	116.506	W	5				11	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	03	08	36	49.7%	44.250	N	6.823	E	10	G		0.8	8	FRANCE. ML 2.1 (GEN).
	03	08	39	32.2	36.697	N	8.871	W	33	N		0.9	17	WEST OF GIBRALTAR. MD 3.4 (RBA). mbLg 3.3 (MDD).
	03	09	00	14.5%	39.135	N	27.646	E	10	G		0 2	7	TURKEY. MD 2.9 (ISK).
	03	10	27	26.5%	32.520	S	71.711	W	33	N		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).

	03	10	29	48.8%	38.342	N	28.023	E	10	G			0.6	10	TURKEY. MD 3.1 (ISK).
	03	11	45	26.3%	39.081	N	27.617	E	10	G			1.0	6	TURKEY. MD 2.7 (ISK).
	03	11	49	39.8?	42.49	N	8.97	W	10	G			0.6	5	SPAIN. mbLg 2.9 (MDD).
	03	12	36	17.9?	40.34	N	25.38	E	10	G			0.7	4	AEGEAN SEA
	03	12	44	53.6%	38.249	N	28.712	E	10	G			1.0	6	TURKEY. MD 2.8 (ISK).
	03	12	54	02.1	12.470	N	141.935	E	50	*	5.3	4.7	1.1	96	SOUTH OF MARIANA ISLANDS
	03	12	55	36.3&	59.967	N	152.846	W	93		3.2			71	SOUTHERN ALASKA. <AEIC>.
	03	13	06	03.0*	4.958	N	32.824	W	10	G	4.5	4.4	1.3	18	CENTRAL MID-ATLANTIC RIDGE
a	03	13	06	27.9	13.154	S	174.993	E	33	N	5.4	5.1	1.0	49	FIJI ISLANDS REGION. Mw 5.3 (HRV).
	03	14	11	29.7	13.314	S	175.102	E	33	N	4.9	4.1	1.0	29	FIJI ISLANDS REGION
	03	14	42	39.5	32.994	S	70.149	W	119	*			0.9	18	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
	03	15	06	12.4%	26.889	S	26.837	E	5	G			0.8	6	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	03	15	30	54.6	37.000	N	117.690	W	5	G	3.1		0.9	24	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (GS), 3.5 (BRK).
	03	15	36	44.8%	46.077	N	2.798	E	10	G			0.2	9	FRANCE. ML 2.0 (LDG).
	03	16	01	56.9?	26.52	S	27.44	E	5	G			1.5	4	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
	03	16	48	43.2*	73.568	N	7.982	E	10	G	4.4		1.0	18	GREENLAND SEA
	03	17	37	24.4&	33.972	N	117.850	W	4					8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS). Felt in the Brea-Diamond Bar area.
	03	17	45	58.8&	33.975	N	117.847	W	5					4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS). Felt in the Brea-Diamond Bar area.
	03	18	02	03.3%	44.479	N	7.348	E	10	G			0.1	5	NORTHERN ITALY. ML 1.5 (GEN).
	03	18	09	34.2%	38.665	S	177.956	E	33	N			1.1	12	NORTH ISLAND, NEW ZEALAND. ML 4.0 (WEL).
	03	19	17	43.3	45.948	N	15.413	E	10	G			1.1	25	NORTHWESTERN BALKAN REGION. ML 3.7 (GRF), 3.4 (BRA), 3.3 (VIE). MD 3.5 (LJU). Felt (V) at Raka, Arto, Bucka and Leskovec; (IV) at Sevnica and Krska Vas, Slovenia.
	03	20	14	34.6%	27.097	S	26.606	E	5	G			0.7	6	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	03	21	03	03.9	13.164	S	174.910	E	11	D	5 4	4.9	1.1	66	FIJI ISLANDS REGION
	03	21	27	53.9*	44.314	N	6.765	E	10	G			0.4	8	FRANCE. ML 1.8 (GEN).
	03	22	18	37.0*	30.819	S	70.727	W	90	?			1.5	17	CHILE-ARGENTINA BORDER REGION
	03	22	26	56.0?	29.04	S	67.39	W	153	?			0.1	7	LA RIOJA PROVINCE, ARGENTINA
	03	22	42	10.2?	40.73	N	23.10	E	10	G			0.5	4	GREECE. ML 1.5 (THE).
	03	23	09	12.3&	61.584	N	144.641	W	49					25	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
a	03	23	14	25.9	13.342	S	175.009	E	14	D	5.9	5.8	1.1	222	FIJI ISLANDS REGION. Mw 5.9 (GS), 6.0 (HRV). Ms 6.1 (BRK). Complex event observed on broadband displacement seismograms.
	04	01	22	53.7?	13.31	S	174.92	E	33	N	4.5		1.5	6	FIJI ISLANDS REGION
	04	01	58	11.3*	17.018	S	167.642	E	10	G	4.6		1.0	10	VANUATU ISLANDS
	04	04	01	56.6	37.659	N	137.576	E	15		4.3		1.3	13	NEAR WEST COAST OF HONSHU, JAPAN
	04	04	07	55.4*	25.981	S	27.373	E	5	G			1.5	6	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE). mbLg 3.4 (BUL).
	04	04	53	00.7?	31.43	N	116.97	W	5	G	3.6		1.2	18	BAJA CALIFORNIA, MEXICO
	04	04	59	06.5%	34.229	S	71.040	W	33	N			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	04	05	43	13.8	73.395	N	7.467	E	10	G	4.6	3.8	1.4	29	GREENLAND SEA
	04	05	48	28.7?	73.56	N	7.90	E	10	G	3.4		1.5	6	GREENLAND SEA
	04	06	01	46.5?	37.36	N	142.43	E	33	N	4.7		0.6	10	OFF EAST COAST OF HONSHU, JAPAN
	04	06	27	02.8&	63.264	N	143.839	W	0					13	CENTRAL ALASKA. <AEIC> ML 2.5 (AEIC).
	04	06	42	40.1	9.853	N	125.455	E	10	G	4.6	4.1	1.2	25	MINDANAO, PHILIPPINE ISLANDS
	04	06	55	13.6	49.097	N	129.024	W	10	G	3.9		1.0	41	VANCOUVER ISLAND REGION
	04	07	36	39.0%	40.025	N	21.580	E	10	G			0.6	6	GREECE. ML 2.6 (THE).
	04	07	47	14.1?	51.14	N	15.69	E	10	G			0.6	4	POLAND. MG 2.8 (WAR).
	04	08	47	54.0%	39.124	S	174.647	E	242				0.5	38	NORTH ISLAND, NEW ZEALAND
	04	08	54	06.6%	34.300	S	71.126	W	33	N			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	04	09	25	47.7*	43.242	N	4.425	E	33	N			1.2	17	NEAR SOUTH COAST OF FRANCE. ML 3.1 (LDG).
	04	09	58	45.7%	41.512	S	174.378	E	23				0.8	20	COOK STRAIT, NEW ZEALAND. ML 3.8 (WEL).
	04	10	19	29.9%	44.585	N	7.252	E	10	G			0.4	10	NORTHERN ITALY. ML 2.1 (GEN).
	04	10	36	34.4%	26.888	S	26.682	E	5	G			0.7	10	REPUBLIC OF SOUTH AFRICA. ML 3.4 (PRE).
	04	10	48	24.6*	11.286	N	86.933	W	5	G	3.7		1.3	10	NEAR COAST OF NICARAGUA. MD 4.0 (APY).
	04	10	54	15.0%	33.066	S	70.487	W	33	N			1.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	04	11	26	43.3&	59.828	N	153.902	W	156		2.5			37	SOUTHERN ALASKA. <AEIC>.
	04	11	28	24.1	40 050	N	21.665	E	24		3.3		1.1	23	GREECE. MD 3.5 (ATH).
	04	11	42	26.0	73.561	N	7.366	E	10	G	4.8	4.7	1.3	84	GREENLAND SEA
	04	11	50	30.2	31.657	S	69.370	W	85	*			1.1	17	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
	04	11	55	15.8*	73.728	N	8.893	E	10	G	4.2		1.1	14	GREENLAND SEA
	04	11	55	46.6?	31.08	S	178.99	W	33	N	4.9		0.3	6	KERMADEC ISLANDS REGION
	04	12	57	39.8&	61.011	N	152.135	W	107					43	SOUTHERN ALASKA. <AEIC>.
	04	13	04	06.6*	51.266	N	15.740	E	5	G			1.2	9	POLAND. MG 2.7 (WAR).
	04	13	20	26.7&	63.024	N	149.202	W	81					35	CENTRAL ALASKA. <AEIC>.
	04	13	58	56.3	43.436	N	5.423	E	10	G			0.7	16	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
	04	14	11	31.9?	57.75	N	6.16	E	10	G			0.5	7	NORTH SEA. MD 2.4 (BER).
a	04	14	35	58.5	13.241	S	174.872	E	19	G	5.8	5.5	0.9	187	FIJI ISLANDS REGION. Mw 5.7 (HRV). Depth from broadband displacement seismograms.
	04	14	44	19.0%	33.995	S	71.081	W	33	N			0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	04	14	53	17.4*	13.143	S	174.897	E	33	N	4.8		0.9	12	FIJI ISLANDS REGION
	04	14	54	56.8	73.503	N	7.936	E	10	G	4.9	4.9	1.2	119	GREENLAND SEA
	04	15	02	26.9*	73.452	N	7.954	E	10	G	4.4		1.0	14	GREENLAND SEA
	04	15	42	19.1%	31.345	S	68.565	W	92	?			0.6	9	SAN JUAN PROVINCE, ARGENTINA
	04	16	20	45.7	27.991	S	26.670	E	5	G			1.4	17	REPUBLIC OF SOUTH AFRICA. ML 3.5 (PRE).
	04	17	00	35.2?	39.70	N	25.62	E	10	G			1.2	4	AEGEAN SEA
	04	18	23	07.6?	39.67	N	19.23	E	10	G			1.0	5	GREECE-ALBANIA BORDER REGION
	04	18	55	38.0*	50.546	N	18.941	E	10	G			0.7	6	POLAND. ML 3.3 (WAR).
	04	19	10	18.9*	19.815	N	38.697	E	10	G	4.6		1.2	14	RED SEA. MD 4.3 (RYD).
	04	19	41	42.5?	51.69	N	15.84	E	10	G			1.5	5	POLAND MG 2.5 (WAR).
a	04	19	42	24.2	13.253	S	175.007	E	33	N	5.4	5.0	0.9	71	FIJI ISLANDS REGION. Mw 5.3 (HRV).
	04	20	09	46.7	73.566	N	7.998	E	10	G	4.6	4.5	1.4	42	GREENLAND SEA
	04	20	18	17.5%	39.408	N	28.091	E	10	G			0.6	7	TURKEY. MD 2.8 (ISK).
	04	20	33	20.7*	36.731	N	8.936	W	10	G			1.3	11	WEST OF GIBRALTAR. MD 3.2 (RBA). mbLg 3.4 (MDD).
	04	20	46	41.1%	40.039	N	29.325	E	10	G			0.9	8	TURKEY. MD 2.6 (ISK).
	04	21	40	25.2	43.629	N	12.575	E	10	G			0.9	17	CENTRAL ITALY. ML 3.3 (LDG). MD 3.2 (LJU), 2.8 (TRI).
	04	21	42	46.5&	61.589	N	150.959	W	69					41	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.7 (PMR).
	04	21	59	54.2&	65.735	N	145.518	W	4					16	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	04	23	09	22.5	43.191	N	13.367	E	10	G			1.4	70	CENTRAL ITALY. ML 3.8 (LDG), 3.8 (VIE), 3.3 (ROM). MD 3.6 (TRI), 3.6 (FIR).
	05	00	08	52.2?	47.00	N	154.42	E	33	N	5	1	1.2	18	KURIL ISLANDS

	05	00	36	44.8%	40.027	N	29.477	E	10	G			0.6	7	TURKEY. MD 2.7 (ISK).
	05	01	26	12.3%	40.421	N	28.922	E	10	G			0.5	6	TURKEY. MD 2.5 (ISK).
	05	01	47	32.9?	46.38	N	2.68	E	10	G			0.9	4	FRANCE. ML 1.6 (LDG).
	05	02	46	50.5%	11.273	N	61.870	W	10	G			0.9	5	WINDWARD ISLANDS. MD 2.5 (TRN).
	05	04	42	05.2	43.229	N	13.349	E	24				1.3	70	CENTRAL ITALY. MD 3.7 (FIR), 3.5 (ROM), 3.5 (TRI).
	05	05	02	52.9%	44.472	N	7.324	E	10	G			0.2	5	NORTHERN ITALY. ML 1.5 (GEN).
	05	05	03	18.3?	38.48	S	175.27	E	134	?			0.7	12	NORTH ISLAND, NEW ZEALAND
	05	06	32	49.0*	15.983	S	173.376	W	43	D	4.9	4.6	1.0	28	TONGA ISLANDS
	05	06	35	10.0?	18.12	N	76.93	W	10	G			1.3	4	JAMAICA REGION. MD 2.4 (HOJ).
	05	06	44	43.2	36.746	N	27.326	E	33	N	4.1		1.5	17	DODECANESE ISLANDS. ML 3.9 (CSS).
	05	06	55	00.3	42.705	N	141.564	E	144		4.8		0.8	93	HOKKAIDO, JAPAN REGION
a	05	06	55	08.6	37.178	N	21.505	E	39		5.2	5.0	1.3	328	SOUTHERN GREECE. Mw 5.2 (HRV). MD 5.0 (ATH). Minor damage in the Kalamata-Messini-Methani area.
	05	06	57	02.2	22.229	N	121.058	E	11		5.2	5.0	1.2	73	TAIWAN REGION
	05	07	11	14.4?	37.65	S	175.53	E	307	?			0.4	14	NORTH ISLAND, NEW ZEALAND
	05	07	48	54.3?	53.44	N	162.98	W	33	N	4.7		1.2	8	SOUTH OF ALASKA
	05	08	14	33.7	28.803	N	113.115	W	10	G	4.9		1.3	83	BAJA CALIFORNIA, MEXICO. Felt at Guerrero Negro.
a	05	08	20	55.3	28.710	N	113.122	W	10	G	5.5	5.8	1.1	195	BAJA CALIFORNIA, MEXICO. Mw 5.7 (HRV). Felt at Guerrero Negro.
	05	08	21	51.8*	39.299	N	20.493	E	8				0.9	16	GREECE-ALBANIA BORDER REGION. ML 3.3 (TIR), 3.2 (THE).
	05	08	25	28.1	22.001	N	120.937	E	10	G	4.7	4.8	1.4	41	TAIWAN
	05	08	44	26.7?	39.30	N	27.65	E	10	G			1.3	4	TURKEY. MD 2.7 (ISK).
	05	09	12	08.9*	21.989	N	121.039	E	10	G	4.2		1.2	11	TAIWAN REGION
	05	09	15	56.3&	62.465	N	152.151	W	121					64	CENTRAL ALASKA. <AEIC>.
	05	09	33	16.4	10.884	N	62.502	W	33	N			1.1	11	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
	05	09	35	28.2?	39.10	N	27.66	E	10	G			0.6	4	TURKEY. MD 2.7 (ISK).
	05	09	39	34.2	40.071	N	5.913	E	42	*	3.7		1.0	61	WESTERN MEDITERRANEAN SEA. ML 3.9 (LDG), 3.6 (STR).
	05	09	47	31.9%	45.993	N	2.870	E	10	G			0.2	8	FRANCE. ML 1.7 (LDG).
	05	11	31	00.9	41.531	N	142.078	E	77	D	4.8		1.2	59	HOKKAIDO, JAPAN REGION
	05	12	23	50.6%	42.619	N	19.778	E	10	G			0.2	6	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	05	12	24	27.3?	32.55	S	68.01	W	33	N			0.6	5	MENDOZA PROVINCE, ARGENTINA
	05	12	41	44.7?	37.54	S	177.06	E	190	?	4.0		1.1	21	OFF E. COAST OF N. ISLAND, N.Z.
	05	12	54	13.7*	39.224	N	118.496	W	5	G			1.0	10	NEVADA. ML 2.7 (GS).
	05	12	56	12.7%	39.396	N	22.765	E	10	G			0 4	6	GREECE. ML 1.9 (THE).
	05	13	04	21.2*	36.361	S	52.721	E	10	G	4.9		1.5	14	SOUTHWEST INDIAN RIDGE
	05	13	20	21.1	39.096	N	21.890	E	23				1.3	19	GREECE. ML 3.3 (THE). MD 3.2 (ATH).
	05	13	56	00.2	42.447	N	24.247	E	10	G			1.1	10	BULGARIA. ML 3.2 (THE).
a	05	14	00	14.2	29.497	S	60.914	E	10	G	5.5	4.8	1.0	68	SOUTHWEST INDIAN RIDGE. Mw 5.3 (HRV).
	05	14	47	35.2*	60.441	N	4.811	E	10	G			1.3	5	SOUTHERN NORWAY. ML 1.5 (NAO). MD 1.9 (BER).
	05	14	50	19.3?	36.55	N	32.10	E	10	G			1.3	4	TURKEY. ML 3.2 (CSS).
	05	14	50	50.1	49.106	N	6.856	E	5	G			1.0	8	GERMANY
	05	15	16	19.0&	38.827	N	122.779	W	2					32	NORTHERN CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.6 (BRK). Felt (IV) at Cobb.
	05	15	19	22.3	36.434	N	26.702	E	150		4.2		0.8	46	DODECANESE ISLANDS
	05	15	41	20.7%	33.134	S	70.240	W	13				0.3	9	CHILE-ARGENTINA BORDER REGION
	05	16	14	27.6	31.989	S	67.379	W	120	*			0.3	10	SAN JUAN PROVINCE, ARGENTINA
	05	17	31	47.5%	34.073	S	71.016	W	33	N			0.6	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	05	17	41	50.7	51.611	N	16.137	E	10	G	3.9		0.6	28	POLAND. ML 4.2 (GRF). MD 3.8 (VIE).
	05	17	48	57.0	8.270	S	122.527	E	33	N	4.9		1.1	25	FLORES REGION, INDONESIA
	05	17	55	15.1%	26.920	S	26.818	E	5	G			0.7	7	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	05	18	20	59.2*	4.334	S	152.551	E	104	*	4.1		0.4	6	NEW BRITAIN REGION, P.N.G.
	05	18	25	39.7*	51.512	N	16.125	E	10	G			0.4	10	POLAND. ML 3.6 (GRF), 3.4 (VIE).
	05	18	39	24.5?	45.67	N	27.83	W	10	G	4.2		1.0	10	NORTHERN MID-ATLANTIC RIDGE
	05	20	12	22.9*	32.042	N	116.213	W	5	G			0.5	8	CALIF.-BAJA CALIF. BORDER REGION. ML 3.3 (GS).
a	05	20	30	05.6	54.557	N	161.845	W	33	N	5.2	4.6	0.9	185	ALASKA PENINSULA. Mw 5.1 (HRV). ML 5.1 (PMR). Felt (IV) at Cold Bay, King Cove and Sand Point.
	05	20	45	43.1&	59.451	N	152.566	W	70					62	SOUTHERN ALASKA. <AEIC>.
	05	21	10	34.9&	61.349	N	146.900	W	29					65	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.3 (PMR).
	05	21	37	50.0	13.714	S	166.896	E	33	N	4.8	4.0	0.9	36	VANUATU ISLANDS
	05	22	27	22.9*	32.306	N	140.818	E	33	N	5.0		1.1	13	SOUTH OF HONSHU, JAPAN
	05	22	56	43.1*	17.667	N	61.004	W	33	N	3.8		0.7	13	LEEWARD ISLANDS. ML 3.7 (FDF). MD 3.4 (TRN).
	05	23	08	23.2*	32.133	S	71.759	W	15				1.0	14	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	05	23	57	31.1%	26.363	S	27.433	E	5	G			0.9	10	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	06	00	31	57.0&	60.079	N	153.202	W	123					44	SOUTHERN ALASKA. <AEIC>.
	06	00	34	45.8*	31.672	S	71.535	W	10	G			1.5	8	NEAR COAST OF CENTRAL CHILE
	06	00	43	06.9	46.463	N	12.677	E	10	G			0.8	13	NORTHERN ITALY. MD 3.0 (LJU).
	06	01	11	36.3?	15.86	N	87.46	W	10	G	4.1		0.3	5	HONDURAS
	06	01	26	44.7	57.962	N	6.616	E	33	N			1.2	34	NORTH SEA. Felt (IV) in the Lindesnes area, Norway.
	06	01	45	19.0	38.751	N	143.039	E	17	D	5.1	4.6	0.9	129	OFF EAST COAST OF HONSHU, JAPAN
	06	02	04	37.9	11.099	N	87.064	W	42	?	4.3		1.4	24	NEAR COAST OF NICARAGUA. MD 4.1 (APY).
	06	02	37	55.3*	0.980	N	28.121	W	10	G	4.6		1.1	35	CENTRAL MID-ATLANTIC RIDGE
	06	02	40	21.0?	17.02	N	95.23	W	33	N			1.5	5	OAXACA, MEXICO
	06	02	56	37.8&	59.068	N	154.079	W	117					36	SOUTHERN ALASKA. <AEIC>.
f	06	03	05	49.8	10.972	S	164.181	E	20	G	6.1	7.1	1.2	304	SANTA CRUZ ISLANDS REGION. Mw 7.1 (GS), 7.1 (HRV). Ms 7.2 (BRK). Mo=7.0*10**19 Nm (PPT). Felt (III) at Honiara, Guadalcanal. Depth from broadband displacement seismograms.
	06	03	14	37.3%	37.563	S	177.058	E	10	G			0.6	6	OFF E. COAST OF N. ISLAND, N.Z.
	06	03	16	59.2%	37.530	S	177.068	E	10	G			0.9	7	OFF E. COAST OF N. ISLAND, N.Z.
	06	03	35	50.8	39.679	N	19.511	E	10	G			1.3	8	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
	06	03	37	37.7*	10.945	S	163.882	E	47	*	4.5		1.1	17	SOLOMON ISLANDS
	06	03	55	50.0	29.264	N	142.321	E	46	D	4.7		0.9	60	SOUTH OF HONSHU, JAPAN
	06	03	56	09.3*	11.139	S	163.907	E	33	N	4.8		1.4	11	SOLOMON ISLANDS
	06	04	17	58.5?	17.59	S	70.34	W	122	?	4.1		0.9	7	NEAR COAST OF PERU
	06	04	26	20.9?	11.64	S	160.64	E	33	N	3.9		0.4	6	SOLOMON ISLANDS
	06	04	32	35.1	11.002	S	164.440	E	43	*	4.7		1.0	20	SANTA CRUZ ISLANDS REGION
	06	05	50	02.7	11.025	S	163.921	E	28	D	5.6	6.0	1.3	143	SOLOMON ISLANDS
	06	05	57	58.9*	11.084	S	164.348	E	69	?	4.5		1.1	13	SANTA CRUZ ISLANDS REGION
	06	06	39	44.4*	10.808	S	164.441	E	33	N	4.9		1.4	23	SANTA CRUZ ISLANDS REGION
	06	06	45	31.1&	60.292	N	152.724	W	111					54	SOUTHERN ALASKA. <AEIC>.
	06	06	47	44.9*	11.009	S	163.876	E	50	?	4.6		1 3	16	SOLOMON ISLANDS
	06	06	55	55.4*	50.317	N	18.913	E	10	G			0.9	5	POLAND. ML 3 2 (WAR).
	06	07	15	14.6*	18.079	N	61.640	W	33	N	3.6		0.8	7	LEEWARD ISLANDS. ML 3.6 (FDF). MD 3.5 (TRN).

	06	07	24	35.5	11.018	S	163.967	E	11	D	5.0	4.8	1.3	34	SOLOMON ISLANDS
	06	07	36	19.8	10.824	S	164.238	E	24	D	5.4	5.0	1.0	66	SANTA CRUZ ISLANDS REGION
	06	08	03	55.4*	10.880	S	164.293	E	29	D	4.8		1.3	20	SANTA CRUZ ISLANDS REGION
	06	08	26	50.1*	11.014	S	164.303	E	42	*	4.5		1.4	22	SANTA CRUZ ISLANDS REGION
	06	08	37	27.1	19.740	S	177.717	W	576	D	4.9		1.0	79	FIJI ISLANDS REGION
f	06	10	02	06.9	26.536	S	177.355	W	18	G	5.9	6.6	1.2	274	SOUTH OF FIJI ISLANDS. Mw 6.6 (GS), 6.5 (HRV). Ms 6.6 (BRK). Mo=1.7*10**19 Nm (PPT). Depth from broadband displocement seismograms.
	06	10	59	13.4	13.212	S	175.084	E	37	*	5.3		1.1	52	FIJI ISLANDS REGION
	06	11	30	34.9	12.586	N	87.563	W	74		5.4		1.3	295	NEAR COAST OF NICARAGUA. MD 5.2 (UPA), 4.7 (APY). Felt (VI) at Corinto; (V) at Chinandega and Leon; (IV) at Managua and (III) at Granada. Felt (V) at La Unian and San Miguel; (III) at San Salvador, El Salvador.
	06	11	33	56.5	36.107	N	11.397	W	10	G	4.3		1.2	61	NORTH ATLANTIC OCEAN. MD 4.3 (RBA). mbLg 3.9 (MDD).
	06	12	24	30.4	11.151	S	163.245	E	35	D	5.1	4.7	1.1	49	SOLOMON ISLANDS
	06	13	01	32.5*	10.888	S	164.319	E	33	N	4.4		1.3	17	SANTA CRUZ ISLANDS REGION
	06	14	30	14.1%	44.362	S	168.320	E	10	G			0.4	19	SOUTH ISLAND, NEW ZEALAND. ML 4.2 (WEL).
	06	14	57	13.3%	40.100	N	23.917	E	10	G			0.6	6	GREECE. ML 1.9 (THE).
	06	15	25	59.4*	10.563	S	164.110	E	33	N	4.4		1.0	10	SANTA CRUZ ISLANDS REGION
	06	16	26	34.5*	10.971	S	163.863	E	33	N	4.5		1.4	31	SOLOMON ISLANDS
a	06	16	26	56.9	11.062	S	163.386	E	25	D	5.7	6.6	1.1	207	SOLOMON ISLANDS. Mw 6.7 (HRV). Ms 6.5 (BRK). Mo=1.6*10**19 Nm (PPT). Felt (III) at Honiara.
	06	17	15	34.4*	11.234	S	163.297	E	31	D	4.7		1.0	20	SOLOMON ISLANDS
	06	17	24	36.6*	11.176	S	163.527	E	33	N	3.9		0.7	8	SOLOMON ISLANDS
	06	18	08	22.1*	11.139	S	163.614	E	38	*	4.7		1.4	35	SOLOMON ISLANDS
	06	18	43	47.4	42.917	N	0.239	E	10	G			0.8	10	PYRENEES. ML 3.0 (LDG). mbLg 2.7 (MDD). Felt (II) at Bagneres de Bigorre, France.
	06	19	43	53.3*	51.126	N	5.953	E	10	G			0.3	5	THE NETHERLANDS. ML 2.2 (BNS).
	06	19	49	37.6&	58.468	N	154.316	W	96					33	ALASKA PENINSULA. <AEIC>.
	06	19	50	26.5?	31.69	S	179.55	W	171	?	4.7		1.0	15	KERMADEC ISLANDS REGION
	06	20	07	06.2	56.246	N	155.813	W	79	*	4.4		0.9	70	ALASKA PENINSULA
	06	20	43	57.3*	40.237	N	143.997	E	15		4.4		1.0	25	OFF EAST COAST OF HONSHU, JAPAN
	06	20	53	14.4?	9.75	S	165.3B	E	33	N	4.0		1.4	7	SANTA CRUZ ISLANDS
	06	20	57	51.0	46.420	N	153.256	E	38	D	4.6		1.0	55	KURIL ISLANDS
	06	21	21	47.8?	11.46	S	162.64	E	33	N	4.0		1.2	7	SOLOMON ISLANDS
	06	21	30	51.3	38.887	S	175.854	E	147		3.7		0.4	29	NORTH ISLAND, NEW ZEALAND
	06	23	02	49.2?	55.25	S	145.78	E	10	G	4.4		0.5	8	WEST OF MACQUARIE ISLAND
	06	23	11	36.9*	10.676	S	164.134	E	33	N	4.1		1.2	5	SANTA CRUZ ISLANDS REGION
	06	23	33	28.5&	58.221	N	155.975	W	125		3.2			69	ALASKA PENINSULA. <AEIC>.
	07	00	14	15.1?	43.51	N	16.83	W	10	G			0.7	14	NORTH ATLANTIC OCEAN. mbLg 3.0 (MDD).
	07	00	17	36.9?	42.39	N	142.09	E	54	?	4.4		0.9	12	HOKKAIDO, JAPAN REGION
	07	00	36	33.2	37.710	N	141.579	E	84	D	4.8		0.9	107	NEAR EAST COAST OF HONSHU, JAPAN
	07	02	24	12.8*	10.861	N	86.464	W	33	N	4.7		1.2	28	OFF COAST OF COSTA RICA
	07	03	14	29.1?	36.45	S	177.73	E	263	?	3.7		0.6	14	OFF E. COAST OF N. ISLAND, N.Z.
	07	03	17	17.0	36.010	N	1.845	E	10	G	3.8		1.1	93	NORTHERN ALGERIA mbLg 3.5 (MDD). Felt in Tissemsilt Province.
	07	03	31	29.6	35.952	N	1.896	E	17		3.7		1.1	59	NORTHERN ALGERIA. mbLg 3.3 (MDD).
	07	03	49	04.6?	24.18	N	125.23	E	33	N	4.3		1.4	16	SOUTHWESTERN RYUKYU ISLANDS
	07	04	20	25.2	37.554	S	177.108	E	9		4.2		0.5	16	OFF E. COAST OF N. ISLAND, N.Z. ML 4.4 (WEL).
	07	05	06	24.0%	38.657	S	177.956	E	32				1.2	14	NORTH ISLAND, NEW ZEALAND. ML 3.8 (WEL).
	07	05	45	20.4%	26.372	S	27.610	E	5	G			0.8	9	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	07	05	51	29.2*	34.186	N	33.432	E	33	N	3.0		0.8	5	CYPRUS REGION. ML 3.0 (CSS).
	07	06	00	30.3	45.777	N	6.318	E	14				0.9	19	FRANCE. ML 2.5 (LDG).
	07	06	00	58.0%	31.178	S	68.335	W	105	?			0.5	6	SAN JUAN PROVINCE, ARGENTINA
	07	06	09	26.0	37.645	N	137.604	E	41	*	4.3		1.0	18	NEAR WEST COAST OF HONSHU, JAPAN
	07	06	43	28.8%	39.631	S	173.956	E	240	*			0.4	23	OFF W. COAST OF N. ISLAND, N.Z.
o	07	07	00	39.7	10.773	S	164.230	E	34	D	4.8	4.9	1.3	32	SANTA CRUZ ISLANDS REGION. Mw 5.3 (HRV).
	07	07	11	49.9*	1.160	S	127.027	E	33	N	4.7		0.6	11	HALMAHERA, INDONESIA
	07	07	20	50.3%	43.081	N	0.626	W	10	G			0.2	7	PYRENEES. ML 1.0 (STR).
	07	07	32	09.0	29.521	N	130.671	E	54	*	4.5		0.9	34	RYUKYU ISLANDS
	07	07	40	00.7%	36.944	N	2.458	W	10	G			0.7	6	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	07	07	49	46.5*	11.000	S	164.434	E	33	N	4.3		0.5	10	SANTA CRUZ ISLANDS REGION
a	07	07	58	09.0	10.889	S	164.406	E	36	D	5.1	5.3	1.2	69	SANTA CRUZ ISLANDS REGION. Mw 5.6 (HRV).
	07	08	07	49.2*	10.954	S	164.365	E	33	N	4.5		0.9	9	SANTA CRUZ ISLANDS REGION
	07	08	21	02.1*	10.891	S	164.401	E	33	D	4.5		1.2	20	SANTA CRUZ ISLANDS REGION
	07	08	24	56.1&	61.438	N	146.659	W	14					60	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
	07	08	34	36.4*	38.241	N	21.749	E	10	G			0.6	5	GREECE. MD 3.1 (ATH).
	07	08	53	27.9*	31.164	N	114.242	W	10	G	3.7		1.2	13	GULF OF CALIFORNIA
	07	09	20	30.3*	51.717	N	6.845	E	10	G			1.4	6	GERMANY. ML 2.4 (BNS). Felt ot Alsdorf.
	07	10	34	43.3	43.424	N	5.441	E	10	G			0.6	15	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
	07	11	00	50.3%	39.489	N	28.309	E	10	G			0.4	8	TURKEY. MD 2.8 (ISK).
	07	11	25	43.9*	50.234	N	18.891	E	10	G			1.5	6	POLAND. ML 2.8 (WAR).
	07	11	35	51.9&	66.230	N	150.013	W	18					12	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
	07	11	41	29.7?	30.69	N	49.97	E	10	G	3.5		0.1	5	WESTERN IRAN
	07	12	18	02.0%	37.545	S	177.087	E	10	G			0.8	13	OFF E. COAST OF N. ISLAND, N.Z. ML 4.1 (WEL).
	07	12	36	25.8*	6.618	N	72.740	W	198	*	4.1		0.2	7	NORTHERN COLOMBIA
	07	13	41	05.0%	44.444	N	7.406	E	10	G			0.5	11	NORTHERN ITALY. ML 2.2 (GEN).
	07	14	11	32.9	85.405	N	14.234	E	10	G	4.7	4.5	1.2	69	NORTH OF SVALBARD
	07	14	12	09.9	44.545	N	110.904	W	5	G			0.8	16	YELLOWSTONE REGION, WYOMING. ML 2.8 (GS), 3.1 (BUT).
	07	15	15	40.3*	41.679	N	22.926	E	10	G			0.4	7	NORTHWESTERN BALKAN REGION. ML 2.7 (THE), 2.2 (SKO).
	07	15	16	48.2?	22.63	S	173.14	W	33	N	4.7		1.1	8	TONGA ISLANDS REGION
	07	15	48	34.9*	35.513	N	24.445	E	10	G	3.7		1.3	10	CRETE. ML 3.3 (ATH).
	07	15	53	23.3?	44.85	N	14.33	E	10	G			1.1	7	ADRIATIC SEA. MD 2.7 (LJU), 2.4 (TRI).
	07	16	27	03.6%	31.293	S	68.636	W	100	?			0.4	9	SAN JUAN PROVINCE, ARGENTINA
	07	17	08	08.7?	53.18	N	175.24	E	33	N	4.0		0.4	5	RAT ISLANDS, ALEUTIAN ISLANDS
	07	18	02	24.7%	26.393	S	27.407	E	5	G			1.2	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	07	18	12	46.0*	6.465	N	73.084	W	155	*	3.8		0.8	11	NORTHERN COLOMBIA
	07	18	55	12.4%	10.394	N	61.261	W	33	N			1.0	5	TRINIDAD. MD 2.8 (TRN).
	07	19	40	57.4?	13.77	N	144.84	E	33	N	4.0		1.4	6	MARIANA ISLANDS. Felt (III) in northern Guam.
	07	20	26	38.1	23.842	S	67.972	W	124	D	5.2		1.3	146	CHILE-ARGENTINA BORDER REGION
	07	21	51	38.9	44.259	N	12.420	E	10	G			0.4	11	NORTHERN ITALY. MD 2.6 (TRI).
	07	22	04	45.9	13.265	S	174.944	E	33	N	4.8	4.6	1.0	31	FIJI ISLANDS REGION
	07	22	18	16.8*	13.242	S	174.992	E	33	N	4.9	4.7	0.9	27	FIJI ISLANDS REGION

	07	22	42	27.6	40.498	N	19.710	E	10	G			1.3	6	ALBANIA. ML 2.6 (TIR).
	07	23	37	08.8	43.717	N	16.118	E	10	G			1.1	34	NORTHWESTERN BALKAN REGION. ML 3.8 (LDG), 3.7 (TTG), 3.6 (VIE). MD 3.4 (TRI). Felt (III) at Split, Croatia.
	07	23	54	43.1%	40.948	S	175.154	E	61	*			1.1	26	NORTH ISLAND, NEW ZEALAND
	08	01	04	47.5&	66.232	N	149.991	W	22					10	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	08	02	43	49.6*	42.059	N	23.645	E	10	G			0.6	7	BULGARIA. ML 2.6 (THE).
	08	03	11	57.4	26.824	S	26.788	E	5	G			1.2	10	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
	08	03	26	09.4&	36.166	N	120.727	W	10					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.5 (GM).
	08	04	14	15.9&	59.504	N	152.749	W	76					40	SOUTHERN ALASKA. <AEIC>.
	08	06	10	23.8*	37.833	N	20.897	E	10	G			0.7	10	IONIAN SEA. ML 3.9 (ATH).
	08	06	11	28.5?	7.40	N	76.52	W	57	?	3.7		0.3	5	NORTHERN COLOMBIA. MD 3.8 (UPA).
	08	06	15	28.8*	32.064	N	70.325	E	33	N	4.3		1.2	11	PAKISTAN
	08	07	09	41.8	43.769	N	7.409	E	10	G			0.5	9	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
	08	08	01	25.7	43.634	N	146.034	E	71	D	5.1		0.9	167	KURIL ISLANDS
	08	08	17	32.9%	40.296	S	173.444	E	216	*			0.2	23	COOK STRAIT, NEW ZEALAND
	08	08	51	13.3%	40.652	N	23.376	E	10	G			0.5	6	GREECE. ML 1.8 (THE).
	08	09	09	02.1&	33.997	N	117.207	W	13					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.8 (GS). Felt (IV) at Lomo Linda and Yucaipa.
	08	10	09	08.4%	44.331	N	7.370	E	10	G			0.5	6	NORTHERN ITALY. ML 1.8 (GEN).
	08	10	21	53.6%	44.328	N	7.362	E	10	G			0.4	6	NORTHERN ITALY. ML 1.6 (GEN).
	08	10	32	30.4*	10.858	N	62.366	W	135	?			0.8	12	NEAR COAST OF VENEZUELA. MD 3.2 (TRN).
	08	11	20	24.0%	46.611	N	2.852	E	10	G			0.4	6	FRANCE. ML 1.8 (LDG).
	08	11	42	47.3*	21.116	S	120.884	E	10	G			1.2	9	WESTERN AUSTRALIA
	08	12	04	32.8*	13.268	S	175.078	E	33	N	4.8		1.5	11	FIJI ISLANDS REGION
	08	12	38	39.9	41.540	S	174.368	E	32		4.3		1.2	23	COOK STRAIT, NEW ZEALAND. ML 4.3 (WEL).
	08	12	48	08.3?	62.08	N	3.65	E	10	G			1.4	7	NORWEGIAN SEA. MD 2.4 (BER).
	08	13	05	06.1%	26.176	S	29.284	E	5	G			0.7	5	REPUBLIC OF SOUTH AFRICA
	08	13	08	55.8%	33.627	S	71.595	W	33	N			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	08	14	03	30.9*	11.048	S	163.835	E	33	N	4.5		0.8	7	SOLOMON ISLANDS
	08	14	16	46.8%	40.284	N	23.423	E	10	G			0.7	5	GREECE. ML 1.6 (THE).
	08	14	21	36.4&	61.703	N	150.996	W	65		4.6			118	SOUTHERN ALASKA. <AEIC>. ML 4.3 (AEIC), 4.4 (PMR). Felt (IV) at Skwentna and Willow; (III) at Anchorage and Chugiok; (II) at Palmer.
	08	14	42	12.4	15.930	N	97.964	W	10	G	4.6	4.1	1.2	46	NEAR COAST OF OAXACA, MEXICO
	08	15	30	08.4	8.948	S	123.944	E	80	D	5.0		1.3	55	FLORES REGION, INDONESIA
	08	15	39	47.1?	37.39	N	3.60	W	10	G			0.9	4	SPAIN. mbLg 2.7 (MDD).
	08	16	59	06.9	43.410	N	5.460	E	10	G			0.6	9	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
o	08	17	03	20.6	11.123	S	163.298	E	28	D	4.9	5.1	1.2	58	SOLOMON ISLANDS. Mw 5.6 (HRV).
	08	18	07	47.3?	35.03	S	70.54	W	10	G			1.1	13	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
	08	18	21	49.9?	44.33	N	7.38	E	10	G			0.1	4	NORTHERN ITALY. ML 1.3 (GEN).
	08	18	38	39.5	38.701	N	143.719	E	12		4.4		1.1	26	OFF EAST COAST OF HONSHU, JAPAN
	08	19	13	21.9	36.632	N	51.082	E	33	N	4.4		0.9	29	NORTHERN IRAN. Felt strongly at Kelordasht. Also felt at Tehran.
	08	19	26	56.8?	33.85	N	34.58	E	10	G			0.7	7	EASTERN MEDITERRANEAN SEA. ML 3.3 (CSS).
	08	20	33	05.7&	41.489	N	112.793	W	7					14	UTAH <SLC-P>. ML 3.4 (SLC), 3.2 (GS).
	08	20	38	59.0&	34.930	N	116.856	W	0					17	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	08	21	18	08.0%	31.328	S	68.431	W	163	?			1.0	6	SAN JUAN PROVINCE, ARGENTINA
	08	21	45	22.1&	62.038	N	147.322	W	40					43	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
o	08	21	50	41.7	6.706	S	131.616	E	26	D	5.5		1.1	113	TANIMBAR ISLANDS REG., INDONESIA. Mw 5.5 (HRV).
	08	22	17	22.6	3.498	S	146.694	E	33	N	4.9	4.6	1.3	31	BISMARCK SEA
	08	22	21	52.5%	41.073	N	24.544	E	10	G			0.2	5	GREECE-BULGARIA BORDER REGION. ML 2.2 (THE).
	08	23	47	26.0*	49.173	N	6.918	E	10	G			1.3	6	GERMANY. mbLg 2.7 (UCC).
	09	00	14	08.3&	57.764	N	156.263	W	126		3.5			47	ALASKA PENINSULA. <AEIC>.
	09	00	48	55.9%	26.832	S	26.826	E	5	G			0.9	8	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	09	00	51	39.5	38.355	N	28.077	E	10	G			0.7	13	TURKEY. MD 3.3 (ISK).
o	09	01	29	14.6	55.678	S	146.999	E	10	G	5.5	6.0	1.2	132	WEST OF MACQUARIE ISLAND. Mw 6.2 (HRV).
	09	01	50	49.5?	36.98	N	4.71	W	10	G			0.1	4	STRAIT OF GIBRALTAR. mbLg 2.3 (MDD).
	09	02	28	18.4%	42.305	N	18.776	E	10	G			0.4	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	09	02	40	51.0	18.516	S	169.098	E	226		4.8		1.0	73	VANUATU ISLANDS
	09	04	40	31.3	51.376	N	15.823	E	10	G			0.5	21	POLAND. ML 3.6 (GRF), 3.5 (VIE).
	09	04	45	58.8	39.892	S	73.247	W	33	N	5.3		1.1	57	NEAR COAST OF CENTRAL CHILE
	09	05	07	28.5*	44.169	N	147.903	E	82	*	4.5		1.1	27	KURIL ISLANDS
	09	05	28	59.3	38.318	N	143.626	E	22		5.0		0.8	63	OFF EAST COAST OF HONSHU, JAPAN
	09	05	59	28.1*	10.923	S	164.446	E	25	D	4.4		1.3	9	SANTA CRUZ ISLANDS REGION
	09	06	10	23.6	37.762	N	20.884	E	10	G	3.7		1.4	36	IONIAN SEA. ML 3.9 (ATH), 3.9 (THE).
o	09	07	45	43.6	59.624	S	25.709	W	33	N	5.7	6.1	1.1	162	SOUTH SANDWICH ISLANDS REGION. Mw 6.3 (HRV). Ms 6.1 (BRK).
	09	07	52	11.1?	59.61	S	25.70	W	33	N	5.1		1.2	27	SOUTH SANDWICH ISLANDS REGION
	09	08	10	21.1	59.681	S	25.664	W	33	N	5.4		0.9	113	SOUTH SANDWICH ISLANDS REGION
	09	08	57	20.6*	37.856	N	20.881	E	10	G			1.1	8	IONIAN SEA. ML 3.5 (ATH).
	09	09	36	51.5*	17.518	N	94.610	W	159	?	3.2		1.1	16	CHIAPAS, MEXICO
	09	09	41	23.3	39.187	N	28.796	E	9				0.9	36	TURKEY. MD 3.8 (ISK), 3.8 (ATH).
	09	10	02	09.0*	59.879	S	25.699	W	33	N	5.2	4.8	1.2	41	SOUTH SANDWICH ISLANDS REGION
	09	11	08	38.3	63.542	N	151.044	W	10	G			1.1	10	CENTRAL ALASKA. ML 2.9 (PMR).
	09	12	20	15.2	42.677	N	111.422	W	5	G			0.8	10	EASTERN IDAHO. ML 3.0 (GS).
	09	12	23	21.1	49.150	N	6.901	E	10	G			0.7	13	GERMANY. ML 2.8 (STR). MD 2.8 (UCC).
	09	12	59	35.6	19.785	N	38.704	E	10	G	4.7	4.4	0.8	33	RED SEA
	09	13	52	09.2*	42.839	N	142.040	E	119	?	4.1		1.0	9	HOKKAIDO, JAPAN REGION
	09	13	52	45.3	37.798	N	20.789	E	17		3.8		1.1	22	IONIAN SEA. ML 3.8 (ATH), 3.5 (THE).
	09	14	17	05.8	45.616	N	26.392	E	152		4.2		1.0	67	ROMANIA. Felt (III) in the Vrancea region and at Buchorest. Also felt (III) at Chisinau, Moldova.
	09	14	22	46.2?	7.93	S	128.89	E	202	?			0.7	6	BANDA SEA
	09	14	42	07.6*	59.724	S	25.409	W	33	N	4.9	4.4	1.5	10	SOUTH SANDWICH ISLANDS REGION
	09	15	19	53.8%	39.373	N	28.991	E	10	G			0.7	6	TURKEY. MD 2.7 (ISK).
	09	15	28	43.4&	63.207	N	149.437	W	92		2.9			73	CENTRAL ALASKA. <AEIC>.
	09	15	30	18.5%	39.106	N	28.803	E	5	G			0.7	8	TURKEY. MD 3.0 (ISK).
	09	16	35	45.9&	62.036	N	149.865	W	50					47	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	09	16	59	16.1*	17.538	N	61.885	W	33	N			0.6	8	LEEWARD ISLANDS. ML 3.4 (FDF). MD 3.0 (TRN).
	09	17	03	45.8%	45.609	N	5.300	E	10	G			0.8	7	FRANCE. ML 2.2 (LDG).
	09	17	05	41.1%	26.441	S	27.400	E	5	G			1.2	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	09	17	32	46.9?	60.31	N	4.19	E	10	G			0 8	5	SOUTHERN NORWAY. MD 1.6 (BER).
	09	17	34	26.9%	40.678	N	23.424	E	10	G			0 5	7	GREECE. ML 2.0 (THE).
	09	17	36	17.9&	60.023	N	153.261	W	128					38	SOUTHERN ALASKA. <AEIC>.

	09	18	05	39.0&	37.676	N	122.533	W	8			9	CENTRAL CALIFORNIA. <GM-P>. MD 2.5 (GM). ML 2.3 (BRK). Felt at Daly City and San Francisco.
	09	18	44	53.6	47.456	N	15.567	E	10 G	1.1	8	AUSTRIA. ML 2.4 (VIE), 2.4 (BRA). Felt (IV) at Allerheiligen.
	09	18	57	56.4?	10.65	N	69.37	W	10 G	1.4	4	VENEZUELA
	09	19	36	31.5*	39.496	N	23.545	E	10 G	0.5	6	AEGEAN SEA. ML 2.6 (THE).
	09	19	41	36.0?	11.48	S	163.07	E	79 ? 4.1	1.3	6	SOLOMON ISLANDS
	09	20	03	52.1?	35.08	S	71.16	W	100 G	0.3	14	CENTRAL CHILE. MD 4.0 (SAN).
	09	20	43	30.9	19.608	N	38.662	E	10 G 4.8 4.8	1.0	72	RED SEA
	09	21	20	15.8?	9.09	N	81.06	W	33 N	0.8	4	PANAMA. MD 3.6 (UPA).
	09	21	23	13.2&	60.281	N	153.501	W	164		58	SOUTHERN ALASKA. <AEIC>.
a	09	22	40	41.0	59.868	S	25.996	W	33 N 5.2 4.8	1.0	39	SOUTH SANDWICH ISLANDS REGION. Mw 5.4 (HRV).
	09	23	27	36.3	24.597	S	179.965	E	541 * 5.0	0.9	46	SOUTH OF FIJI ISLANDS
	09	23	55	57.1	46.382	N	152.841	E	33 N 4.7	0.9	39	KURIL ISLANDS
	10	00	05	02.0*	59.971	S	25.926	W	33 N 4.4	1.1	8	SOUTH SANDWICH ISLANDS REGION
	10	00	29	14.3	19.729	N	38.706	E	10 G 4.6 4.1	0.9	26	RED SEA
	10	00	43	36.2&	60.215	N	153.074	W	121 2.9		42	SOUTHERN ALASKA. <AEIC>.
	10	01	01	13.4&	59.276	N	152.542	W	70		29	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	10	02	55	38.6%	44.491	N	6.872	E	10 G	0.3	6	FRANCE. ML 1.9 (GEN).
	10	03	06	01.6%	39.433	N	122.735	E	10 G	1.1	5	NORTHEASTERN CHINA
	10	03	08	39.9*	10.340	S	162.214	E	55 * 4.8	1.0	39	SOLOMON ISLANDS
	10	03	41	23.8	39.796	N	20.663	E	10 G	0.3	7	GREECE-ALBANIA BORDER REGION
	10	03	54	31.1*	43.399	N	106.617	W	5 G	0.9	10	WYOMING. ML 3.2 (GS).
	10	04	35	22.1*	36.282	N	71.045	E	33 N 4.2	1.1	11	AFGHANISTAN-TAJIKISTAN BORD REG.
	10	04	51	19.2*	32.225	S	71.413	W	20	0.6	14	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	10	05	42	11.8*	60.062	S	25.686	W	33 N 4.7	1.4	20	SOUTH SANDWICH ISLANDS REGION
	10	06	26	30.1	25.800	S	70.479	W	34 D 4.9 4.2	1.0	65	NEAR COAST OF NORTHERN CHILE
	10	07	37	30.5	32.719	S	177.514	W	46 D 5.1 4.7	1.1	37	SOUTH OF KERMADEC ISLANDS
	10	07	46	06.3%	46.418	N	2.504	E	10 G	0.6	6	FRANCE. ML 1.6 (LDG).
	10	07	51	20.0*	4.620	S	144.994	E	156 * 4.6	1.1	11	NEAR N COAST OF NEW GUINEA, PNG.
	10	08	46	03.8%	31.610	S	69.153	W	117 ?	0.4	7	SAN JUAN PROVINCE, ARGENTINA
	10	08	55	48.6%	43.895	N	6.871	E	5 G	1.0	5	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
	10	09	42	20.8*	47.811	N	153.033	E	33 N 4.6	0.9	26	KURIL ISLANDS
	10	09	49	52.1&	37.636	N	118.918	W	8		16	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
	10	09	58	30.5	37.268	S	177.460	E	22 4.3	1.3	30	OFF E. COAST OF N. ISLAND, N.Z. ML 4.8 (WEL).
	10	09	58	35.8*	40.240	N	25.120	E	10 G	1.0	7	AEGEAN SEA. ML 2.8 (THE).
	10	10	08	09.1	36.456	N	26.892	E	148 *	0.9	15	DODECANESE ISLANDS
	10	10	43	03.2*	40.540	N	51.408	E	69 * 4.5	1.2	18	CASPIAN SEA
	10	11	01	15.2%	26.810	S	26.777	E	5 G	1.2	5	REPUBLIC OF SOUTH AFRICA. ML 2.0 (PRE).
	10	12	31	55.8*	42.830	N	24.563	E	10 G	0.7	10	BULGARIA. ML 3.0 (THE).
a	10	12	39	23.9	59.700	S	25.719	W	33 N 5.4 6.4	1.2	148	SOUTH SANDWICH ISLANDS REGION. Mw 6.5 (HRV). Ms 6.7 (BRK).
	10	13	17	24.1?	42.43	N	24.17	E	10 G	0.5	7	BULGARIA. ML 2.8 (THE).
	10	13	21	20.8	4.299	S	135.607	E	33 N 5.2	1.1	64	IRIAN JAYA REGION, INDONESIA
	10	13	22	31.4&	58.616	N	154.654	W	0		25	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
	10	13	27	10.4?	40.00	N	25.28	E	10 G	0.7	6	AEGEAN SEA. ML 2.6 (THE).
	10	13	33	12.3	5.940	N	126.160	E	73 5.2	1.0	135	MINDANAO, PHILIPPINE ISLANDS
	10	14	14	46.9?	33.28	S	70.44	W	80 G	0.6	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	10	14	32	21.6	39.233	N	76.882	W	5 G	0.5	11	CHESAPEAKE BAY REGION. MD 2.5 (BLA). Felt (IV) at Columbia, Maryland and (II) at Ellicott City and Fulton, Maryland. Also felt in the Baltimore area, Maryland.
	10	16	03	24.9*	42.493	N	43.775	E	33 N 4.0	1.1	10	NORTHWESTERN CAUCASUS
	10	16	09	38.4*	9.024	S	115.060	E	86 * 4.9	1.4	23	SOUTH OF BALI, INDONESIA
	10	16	12	19.8	26.354	S	27.398	E	5 G	0.8	10	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE). mbLg 2.8 (BUL).
	10	16	20	16.6%	26.374	S	27.419	E	5 G	0.7	6	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	10	16	22	54.3	10.719	S	164.198	E	38 D 4.7 4.7	0.9	34	SANTA CRUZ ISLANDS REGION
	10	16	39	38.2*	37.807	N	72.377	E	33 N 4.4	1.3	14	TAJIKISTAN
	10	17	05	29.0*	60.411	S	26.059	W	33 N 5.0	1.2	18	SOUTH SANDWICH ISLANDS REGION
	10	17	17	20.9	34.365	N	35.902	E	10 G 3.3	0.9	12	JORDAN - SYRIA REGION. ML 3.3 (CSS).
	10	17	21	18.9?	17.26	N	118.34	E	33 N 4.1	0.7	5	PHILIPPINE ISLANDS REGION
	10	17	23	24.1*	60.926	N	4.416	E	10 G	1.0	5	SOUTHERN NORWAY. MD 1.9 (BER).
	10	18	27	40.6&	57.917	N	154.539	W	69		28	KODIAK ISLAND REGION. <AEIC>. ML 2.6 (AEIC).
	10	19	25	44.9%	33.147	S	70.277	W	10 G	0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	10	19	25	52.4?	43.63	N	8.12	E	10 G	0.1	8	CORSICA. ML 2.2 (GEN).
	10	19	26	56.2*	30.079	N	31.654	E	10 G 4.5	1.2	14	EGYPT. ML 4.3 (CSS).
	10	19	42	13.0&	37.236	N	121.622	W	5		24	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.8 (BRK), 2.8 (GS).
	10	19	50	57.0?	46.43	N	2.47	E	10 G	1.0	4	FRANCE. ML 1.3 (LDG).
	10	20	11	09.9	63.252	N	151.137	W	7	0.9	37	CENTRAL ALASKA. ML 2.9 (PMR).
	10	20	26	38.0?	7.76	S	126.37	E	33 N 4.9	1.4	10	BANDA SEA
	10	21	11	31.1	43.435	N	5.424	E	10 G	0.7	17	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
	10	21	24	04.3*	53.209	S	72.466	E	10 G 5.2	1.4	19	KERGUELEN ISLANDS REGION
a	10	21	56	27.8	48.383	N	152.987	E	141 D 5.5	0.8	338	KURIL ISLANDS. Mw 5.2 (HRV).
	10	22	44	41.2	37.785	N	20.930	E	20 4.0	1.4	39	IONIAN SEA. ML 3.7 (THE), 3.5 (ATH).
	11	00	04	25.5	31.532	N	67.099	E	14 D 4.7	1.4	41	AFGHANISTAN
	11	00	07	24.0?	28.48	S	68.99	W	187 ?	0.3	6	LA RIOJA PROVINCE, ARGENTINA
	11	00	18	53.6*	19.794	N	38.655	E	10 G 4.3	0.9	12	RED SEA
	11	00	39	47.6?	27.92	S	178.28	W	33 N 4.4	1.7	5	KERMADEC ISLANDS REGION
	11	01	00	05.7&	33.900	N	118.474	W	11		7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt.
	11	01	03	44.7?	10.01	S	118.10	E	33 N 4.6	0.6	7	SOUTH OF SUMBAWA, INDONESIA
	11	01	15	01.5&	35.210	N	95.930	W	5 G		9	OKLAHOMA. <TUL-P>. mbLg 2.7 (TUL). Felt (III) at Indianola and (II) in the area near Canadian Shores Sand Point.
	11	01	45	38.3%	26.875	S	26.766	E	5 G	0.1	5	REPUBLIC OF SOUTH AFRICA. ML 1.9 (PRE).
	11	01	48	31.0	26.835	S	26.693	E	5 G	1.4	14	REPUBLIC OF SOUTH AFRICA. ML 3.4 (PRE). mbLg 3.3 (BUL).
	11	01	59	55.3%	27.998	S	26.880	E	5 G	0.8	8	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	11	02	00	50.0*	28.060	S	26.791	E	5 G	1.7	11	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE). mbLg 3.0 (BUL).
	11	02	27	08.1?	34.10	S	71.51	W	44 ?	0.4	11	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	11	04	21	30.5	38.527	N	69.808	E	33 N 4.6	1.2	43	TAJIKISTAN
	11	05	00	59.9%	39.769	N	29.357	E	10 G	1.2	6	TURKEY. MD 2.7 (ISK).
	11	06	09	52.5%	39.484	N	28.280	E	5 G	0.5	7	TURKEY. MD 3.0 (ISK).
	11	06	24	21.0	21.090	S	68.876	W	105 D 4.8	1.1	56	CHILE-BOLIVIA BORDER REGION

	11	06	31	26.6%	38.694	S	175.657	E	176	*		0.4	22	NORTH ISLAND, NEW ZEALAND
	11	06	37	04.7*	6.322	S	147.298	E	106	*	4.8	1.4	10	EASTERN NEW GUINEA REG., P.N.G.
	11	06	44	32.2%	27.977	S	26.793	E	5	G		0.2	6	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
	11	07	37	09.4*	24.266	S	67.185	W	195	*		1.6	15	CHILE-ARGENTINA BORDER REGION
	11	07	47	20.5%	40.641	N	23.393	E	10	G		0.3	5	GREECE. ML 1.9 (THE).
	11	08	19	46.1	19.547	N	38.675	E	15	D	5.0 4.9	1.0	124	RED SEA
	11	08	49	23.3?	28.29	S	68.61	W	120	G		0.5	4	LA RIOJA PROVINCE, ARGENTINA
	11	09	25	22.4?	52.57	N	161.94	E	33	N	4.0	0.8	5	OFF EAST COAST OF KAMCHATKA
	11	09	29	09.9	13.324	N	88.872	W	73		4.2	1.3	17	EL SALVADOR. MD 4.2 (APY). Felt (III) at San Salvador.
	11	10	03	10.5%	61.494	N	5.676	E	10	G		0.8	5	SOUTHERN NORWAY. MD 1.8 (BER).
	11	10	36	34.8%	39.125	N	27.577	E	10	G		0.4	5	TURKEY. MD 2.7 (ISK).
	11	10	44	03.4?	32.36	N	130.93	E	59	*	3.7	0.9	6	KYUSHU, JAPAN
	11	10	49	05.4?	39.11	N	27.72	E	10	G		0.9	4	TURKEY. MD 2.8 (ISK).
	11	11	11	56.2&	60.771	N	151.304	W	61				53	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	11	11	18	35.5%	39.262	N	28.684	E	5	G		0.8	6	TURKEY. MD 2.8 (ISK).
	11	11	55	30.3	32.153	N	137.727	E	366		4.5	0.7	42	SOUTH OF HONSHU, JAPAN
	11	12	14	01.2?	27.74	S	177.43	W	33	N	4.6	0.6	7	KERMADEC ISLANDS REGION
	11	12	37	18.8%	39.252	N	28.723	E	10	G		0.6	9	TURKEY. MD 3.0 (ISK).
o	11	12	46	46.4	8.801	N	126.918	E	38	D	5.3 5.1	1.2	108	MINDANAO, PHILIPPINE ISLANDS. Mw 5.3 (HRV).
	11	13	49	34.9%	39.263	N	28.740	E	5	G		0.4	8	TURKEY. MD 2.9 (ISK).
	11	14	21	14.4*	19.704	N	38.736	E	10	G	4.8 4.4	1.4	20	RED SEA
	11	14	27	56.8%	31.909	S	67.352	W	33	N		1.0	6	SAN JUAN PROVINCE, ARGENTINA
	11	14	34	07.7*	5.269	N	126.226	E	33	N	4.6	0.6	10	MINDANAO, PHILIPPINE ISLANDS
	11	14	56	28.4%	39.336	N	28.809	E	10	G		0.9	7	TURKEY. MD 2.9 (ISK).
	11	15	06	14.7?	40.76	N	28.66	E	10	G		0.2	4	TURKEY. MD 2.7 (ISK).
	11	15	08	02.0*	39.660	N	23.467	E	10	G		0.2	5	AEGEAN SEA
	11	15	15	38.6%	26.454	S	27.417	E	5	G		0.8	6	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	11	15	19	57.5	43.067	N	18.272	E	10	G		0.7	15	NORTHWESTERN BALKAN REGION. MD 3.3 (LJU), 2.8 (TTG).
	11	15	25	02.7?	41.68	N	22.81	E	10	G		0.8	6	NORTHWESTERN BALKAN REGION. ML 2.5 (THE).
	11	15	45	39.4?	40.64	N	23.40	E	10	G		0.8	4	GREECE. ML 1.9 (THE).
	11	15	48	18.1*	22.992	S	69.158	W	125	*	4.3	1.4	12	NORTHERN CHILE
	11	15	50	51.8&	36.678	N	122.513	W	15				6	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
	11	16	01	15.4%	43.765	N	18.253	E	10	G		0.9	10	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).
	11	16	24	15.4*	10.335	N	126.363	E	33	N	4.4	1.1	15	PHILIPPINE ISLANDS REGION
	11	16	27	29.6	43.093	N	144.087	E	94	D	4.7	1.2	56	HOKKAIDO, JAPAN REGION
	11	17	04	37.7	49.168	N	6.955	E	10	G		0.8	18	GERMANY. ML 2.7 (STR).
	11	18	53	09.5&	61.674	N	151.582	W	79		3.2		73	SOUTHERN ALASKA. <AEIC>. Felt (IV) at Skwentna.
	11	19	03	10.5?	34.29	S	179.66	W	217	?	4.4	1.5	13	SOUTH OF KERMADEC ISLANDS
	11	19	40	55.6%	26.283	S	27.748	E	5	G		0.9	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	11	20	05	53.0*	28.815	S	18.844	E	10	G		1.0	11	NAMIBIA. mbLg 4.3 (BUL).
	11	20	33	16.1%	31.584	S	67.741	W	10	G		0.9	7	SAN JUAN PROVINCE, ARGENTINA
	11	20	43	07.1?	30.53	S	71.99	W	153	?		0.9	9	NEAR COAST OF CENTRAL CHILE
	11	20	43	56.2	18.288	N	101.816	W	71	D	5.4	1.1	192	GUERRERO, MEXICO. Felt in Michoacan. Also felt at Mexico City.
	11	21	04	16.1*	6.122	S	147.730	E	73	*	4.6	1.2	14	EASTERN NEW GUINEA REG., P.N.G.
	11	21	56	18.3?	44.65	N	129.31	W	10	G		0.3	47	OFF COAST OF OREGON
	11	21	58	22.1	19.706	N	38.690	E	10	G	4.5	0.9	30	RED SEA
o	11	22	07	27.3	16.710	S	172.712	W	33	N	5.4 5.4	1.4	124	SAMOA ISLANDS REGION. Mw 5.7 (HRV).
	11	22	21	10.4	41.874	N	20.076	E	10	G		0.8	14	ALBANIA. ML 2.6 (TIR), 2.6 (TTG), 1.9 (SKO).
	11	22	35	36.6	44.308	N	11.973	E	10	G		1.3	23	NORTHERN ITALY. MD 3.2 (LJU), 3.1 (TRI), 2.8 (FIR). ML 3.1 (VIE), 3.0 (LDG).
	11	22	38	09.2	44.288	N	12.047	E	10	G		1.3	57	NORTHERN ITALY. MD 3.3 (TRI), 3.0 (FIR), 3.0 (ROM). ML 3.3 (VIE), 3.2 (LDG).
	11	22	42	01.0%	40.674	N	23.414	E	10	G		0.3	5	GREECE. ML 1.7 (THE).
	11	22	58	06.7*	19.826	N	38.750	E	10	G	4.5 4.6	1.3	19	RED SEA
	11	23	02	10.8	51.488	N	7.030	E	10	G		1.2	20	GERMANY. ML 2.6 (LDG), 2.1 (BNS).
	11	23	42	07.4	44.273	N	12.117	E	10	G		1.1	15	NORTHERN ITALY. MD 3.0 (LJU), 2.8 (TRI). ML 2.7 (VIE).
	12	00	03	11.7*	20.301	S	168.932	E	33	N	4.3	1.1	19	LOYALTY ISLANDS
	12	00	19	17.2	19.678	N	38.700	E	10	G	4.6	0.8	50	RED SEA
	12	00	40	31.8	44.537	N	114.769	W	5	G		0.9	33	WESTERN IDAHO. ML 3.1 (GS), 3.5 (BUT).
	12	00	54	21.0&	39.200	N	76.900	W	5	G			3	CHESAPEAKE BAY REGION. <MACRO>. mbLg 2.0 (GS). Felt (III) at Columbia, Moryland.
	12	01	03	55.3	38.917	N	26.034	E	10	G		0.7	20	AEGEAN SEA. MD 3.5 (ISK). ML 2.9 (THE).
	12	01	08	36.5	13.590	N	90.897	W	63	D	4.9	1.4	84	NEAR COAST OF GUATEMALA. MD 4.2 (GCG). Felt throughout Guotemala. Also felt (III) at San Salvador, El Salvodor.
	12	01	17	24.6&	63.485	N	150.708	W	15				34	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.7 (PMR).
	12	01	24	30.9?	46.22	N	2.96	E	10	G		0.4	4	FRANCE. ML 1.4 (LDG).
	12	03	26	42.0&	63.000	N	149.468	W	85				59	CENTRAL ALASKA. <AEIC>.
	12	03	35	13.9*	31.631	S	70.657	W	114	?		0.7	15	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	12	03	36	40.3?	19.57	N	64.33	W	33	N	3.9	0.5	8	VIRGIN ISLANDS
	12	03	47	16.3?	19.74	N	38.75	E	10	G	4.3	0.3	5	RED SEA
	12	03	49	45.8%	46.274	N	2.993	E	10	G		0.9	14	FRANCE. ML 2.7 (LDG).
o	12	04	24	19.3	19.576	N	38.743	E	10	G	5.1 5.2	1.1	168	RED SEA. Mw 5.3 (HRV). MD 4.9 (RYD).
	12	04	58	43.4*	6.646	S	128.307	E	273	?	4.7	1.2	23	BANDA SEA
	12	05	02	10.5?	44.08	S	167.40	E	10	G		0.5	13	SOUTH ISLAND, NEW ZEALAND. ML 3.7 (WEL).
	12	05	12	02.6	19.516	N	38.711	E	15	D	4.6 4.3	1.0	48	RED SEA
	12	05	17	32.1	18.291	S	174.675	W	218	?	4.6	1.3	48	TONGA ISLANDS
	12	05	37	26.0?	39.72	N	19.74	E	10	G		1.7	7	GREECE-ALBANIA BORDER REGION
	12	06	20	35.6	40.569	N	23.153	E	10	G		0.3	9	GREECE. ML 2.5 (THE), 2.0 (SKO).
	12	06	46	14.7%	46.230	N	2.755	E	10	G		0.4	10	FRANCE. ML 2.1 (LDG).
	12	07	16	47.3*	27.281	N	100.858	E	25	*	4.0	1.6	15	YUNNAN, CHINA
	12	07	24	12.6*	39.781	N	19.141	E	10	G		1.3	16	GREECE-ALBANIA BORDER REGION. MD 3.5 (ATH). ML 3.0 (TIR).
	12	10	13	31.2%	33.592	S	71.343	W	56	?		0.1	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	12	10	19	38.3?	39.13	N	27.51	E	10	G		0.7	4	TURKEY. MD 2.8 (ISK).
	12	10	26	29.7?	39.14	N	27.63	E	10	G		0.9	4	TURKEY. MD 2.8 (ISK).
	12	10	30	17.9?	44.39	N	7.41	E	10	G		0.1	4	NORTHERN ITALY. ML 1.7 (GEN).
	12	11	23	53.6&	60.225	N	152.947	W	112		2.9		47	SOUTHERN ALASKA. <AEIC>.
a	12	12	06	15.3	59.406	S	149.430	E	10	G	5.2 5.4	1.3	77	WEST OF MACQUARIE ISLAND. Mw 5.6 (HRV).
	12	12	10	18.6	47.371	N	6.901	E	10	G		0.9	27	FRANCE. ML 2.9 (LDG), 2.5 (STR).
	12	12	37	35.7*	31.030	N	141.886	E	33	N	3 9	0.8	10	SOUTH OF HONSHU, JAPAN
	12	12	44	16.8?	43.26	N	127.97	W	10	G		0.5	32	OFF COAST OF OREGON

	12	12	51	33.7	40.565	N	23.105	E	10	G			0.4	8	GREECE. ML 2.5 (THE).
	12	13	00	57.5?	40.11	N	19.89	E	10	G			1.6	4	ALBANIA. ML 2.3 (TIR).
	12	13	44	22.8%	26.908	S	26.785	E	5	G			1.0	5	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
f	12	14	01	35.4	14.385	S	178.252	W	10	G	6.0	6.4	1.2	463	FIJI ISLANDS REGION. Mw 6.4 (GS), 6.4 (HRV). Ms 6.5 (BRK). Mo=4.0*10**18 Nm (PPT). Five people killed, more than 20 seriously injured and damage on Futuna Island. Depth from broadband displacement seismograms.
	12	14	42	43.0	43.401	N	5.434	E	10	G			0.8	16	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
	12	14	43	39.3?	19.91	N	38.20	E	10	G	4.3		1.6	8	RED SEA
	12	14	44	10.7&	58.334	N	151.398	W	3		2.9			66	KODIAK ISLAND REGION. <AEIC>. ML 3.4 (AEIC), 3.6 (PMR).
	12	15	50	28.7	10.979	S	167.126	E	22	D	5.3	5.3	1.0	71	SANTA CRUZ ISLANDS
	12	16	45	42.5&	62.083	N	147.909	W	36					56	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
	12	16	59	03.4%	38.154	N	28.056	E	10	G			0.9	7	TURKEY. MD 3.0 (ISK).
	12	17	04	33.5%	30.088	S	116.154	E	10	G			1.6	6	WESTERN AUSTRALIA
	12	17	30	30.5?	10.84	S	164.04	E	33	N	4.0		1.0	6	SANTA CRUZ ISLANDS REGION
	12	17	37	01.6?	37.14	N	3.42	W	10	G			0.2	4	SPAIN. mbLg 2.7 (MDD).
	12	17	41	20.9&	60.946	N	147.464	W	20		3.0			64	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
	12	18	19	07.7?	47.74	N	16.02	E	10	G			0.2	5	AUSTRIA. ML 2.4 (VIE), 2.2 (BRA).
	12	18	19	24.8	49.998	N	28.943	W	10	G	4.2		1.0	47	NORTHERN MID-ATLANTIC RIDGE
	12	18	39	54.7&	39.904	N	123.585	W	4					6	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM).
	12	19	22	01.3?	19.86	N	38.75	E	10	G	4.3	4.5	1.3	8	RED SEA. MD 3.8 (RYD).
	12	20	00	50.9?	26.38	S	27.46	E	5	G			1.2	4	REPUBLIC OF SOUTH AFRICA
	12	20	28	08.9?	45.12	N	147.64	E	33	N	3.9		0.6	5	KURIL ISLANDS
	12	21	02	14.1	42.827	N	18.695	E	10	G			0.9	18	NORTHWESTERN BALKAN REGION. MD 3.6 (LJU), 2.9 (TTG).
a	12	21	53	45.8	14.293	S	178.190	W	33	N	5.6	5.3	1.3	142	FIJI ISLANDS REGION. Mw 5.5 (HRV). Ms 5.5 (BRK).
	12	22	11	17.1%	40.647	N	34.860	E	10	G			0.8	7	TURKEY
	12	22	40	34.1	39.832	N	25.371	E	10	G			1.3	13	AEGEAN SEA. ML 3.0 (THE).
	12	22	59	21.5*	41.346	N	22.803	E	10	G			0.6	5	NORTHWESTERN BALKAN REGION. ML 2.2 (THE).
o	12	23	32	46.4	19.633	N	38.647	E	10	G	4.7	4.7	1.1	63	RED SEA. Mw 5.0 (HRV).
	12	23	46	25.5?	15.45	S	179.01	W	199	*	4.8		1.0	29	FIJI ISLANDS REGION
	12	23	46	26.2?	27.79	S	177.61	W	33	N	4.8		1.7	14	KERMADEC ISLANDS REGION
	12	23	50	41.4	44.353	N	149.181	E	49	*	4.8		1.1	72	KURIL ISLANDS
	13	00	14	26.6*	30.716	S	69.853	W	130	G			1.3	16	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
	13	02	01	46.8?	48.95	N	6.82	E	10	G			1.0	5	FRANCE. ML 2.8 (UCC).
	13	02	11	05.6?	38.48	S	175.34	E	305	?			0.3	23	NORTH ISLAND, NEW ZEALAND
a	13	03	03	05.7	18.218	S	178.430	W	631	D	5.1		1.1	237	FIJI ISLANDS REGION. Mw 5.5 (HRV).
	13	04	00	51.6?	6.72	S	103.37	E	33	N	4.7		0.4	8	SOUTHWEST OF SUMATERA, INDONESIA
	13	04	59	55.2	21.584	S	66.668	W	237		4.3		1.3	18	SOUTHERN BOLIVIA
	13	05	01	56.0?	18.24	S	167.40	E	87	*			1.1	10	VANUATU ISLANDS
	13	05	18	38.5*	16.747	N	94.633	W	48	D	4.2		1.5	20	OAXACA, MEXICO
	13	05	28	26.1	43.162	N	13.530	E	10	G			1.3	51	CENTRAL ITALY. MD 3.5 (ROM), 3.3 (FIR), 3.3 (TRI). ML 3.5 (LDG), 2.9 (VIE).
	13	05	40	44.3*	19.619	N	38.709	E	10	G	4.7	4.5	1.2	38	RED SEA
	13	05	53	14.5&	59.694	N	153.191	W	109		3.4			74	SOUTHERN ALASKA. <AEIC>.
	13	06	23	49.2%	26.330	S	27.713	E	5	G			1.1	5	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
	13	06	35	45.2	47.254	N	154.086	E	33	N	4.9	4.6	1.1	83	KURIL ISLANDS
a	13	06	47	10.5*	26.652	S	177.305	W	82	?	4.8		1.4	29	SOUTH OF FIJI ISLANDS. Mw 5.2 (HRV).
	13	07	46	17.2*	13.306	S	174.668	E	33	N	4.9		1.2	20	FIJI ISLANDS REGION
	13	07	46	52.0%	40.640	N	23.353	E	10	G			0.5	6	GREECE
	13	08	09	59.3?	20.06	N	38.96	E	10	G	4.4		1.4	5	RED SEA
	13	08	31	08.2%	44.790	S	167.406	E	10	G			0.7	20	SOUTH ISLAND, NEW ZEALAND. ML 4.3 (WEL).
	13	08	48	09.3	28.726	N	128.394	E	33	D	4.8		1.1	47	RYUKYU ISLANDS
a	13	09	05	29.3	11.326	N	141.824	E	45	D	5.1	4.9	1.2	122	WESTERN CAROLINE ISLANDS. Mw 5.3 (HRV).
	13	09	08	31.7*	23.329	S	66.819	W	224	*			1.1	9	JUJUY PROVINCE, ARGENTINA
	13	09	17	36.1?	39.08	N	27.69	E	10	G			1.4	4	TURKEY. MD 2.6 (ISK).
	13	09	26	39.4	71.281	N	71.972	W	10	G	4.7	4.4	1.2	110	BAFFIN ISLAND REGION, CANADA
	13	09	37	07.3%	38.423	N	140.401	E	10	G			0.8	11	EASTERN HONSHU, JAPAN
	13	09	37	54.3?	39.07	N	27.77	E	10	G			0.1	4	TURKEY. MD 2.8 (ISK).
	13	09	38	40.8&	60.068	N	152.814	W	107					48	SOUTHERN ALASKA. <AEIC>.
	13	09	45	08.3?	14.91	N	90.73	W	33	N	4.2		1.7	8	GUATEMALA
	13	10	02	33.0?	8.68	S	118.52	E	112	?	3.8		0.7	7	SUMBAWA REGION, INDONESIA
	13	10	09	52.1*	18.989	N	119.615	E	33	N	4.3		1.1	10	PHILIPPINE ISLANDS REGION
	13	10	17	58.8%	43.280	N	0.573	W	10	G			0.5	7	PYRENEES. ML 1.2 (STR).
	13	10	20	10.7	18.263	S	178.329	W	629	*	4.7		1.1	90	FIJI ISLANDS REGION
	13	10	47	45.1	40.462	N	21.832	E	10	G			0.9	8	GREECE
	13	11	16	59.2?	43.30	N	0.46	W	10	G			0.0	4	PYRENEES. ML 2.7 (LDG).
	13	11	36	12.6	47.475	N	2.493	W	10	G			1.3	72	FRANCE. ML 4.6 (LDG), 4.0 (STR). mbLg 4.2 (UCC).
	13	12	11	13.7%	26.807	S	26.787	E	5	G			1.4	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	13	13	02	03.0%	26.194	S	28.135	E	5	G			0.6	5	REPUBLIC OF SOUTH AFRICA. ML 1.9 (PRE).
	13	13	12	48.8	25.482	N	123.403	E	205	*	4.6		1.2	70	NORTHEAST OF TAIWAN
	13	13	38	04.2%	41.151	N	28.473	E	5	G			0.4	8	TURKEY. MD 2.8 (ISK).
	13	13	59	59.1	19.400	N	38.778	E	10	G	4.9	5.1	1.1	107	RED SEA. MD 4.7 (RYD).
	13	15	12	03.5*	6.094	S	105.004	E	33	N	4.9		0.6	13	SUNDA STRAIT
	13	15	22	21.9?	36.91	N	31.31	E	10	G			1.6	9	TURKEY. MD 3.4 (ISK). ML 3.2 (CSS).
a	13	17	12	26.2	19.626	N	38.799	E	10	G	5.7	5.4	1.0	386	RED SEA. Mw 5.7 (HRV). MD 5.6 (RYD), 5.4 (ARO).
	13	17	54	59.8?	84.98	N	4.36	E	10	G	3.4		0.4	5	NORTH OF SVALBARD
	13	17	59	10.3	49.170	N	128.758	W	10	G	4.1		0.7	75	VANCOUVER ISLAND REGION
	13	18	07	32.5&	60.373	N	152.140	W	85					45	SOUTHERN ALASKA. <AEIC>.
	13	18	37	21.6?	18.32	N	103.27	W	33	N			0.8	6	NEAR COAST OF MICHOACAN, MEXICO
	13	18	51	57.6&	60.121	N	153.647	W	159		3.2			66	SOUTHERN ALASKA. <AEIC>.
	13	19	04	56.6?	26.49	S	176.97	W	64	?	4.4		1.7	8	SOUTH OF FIJI ISLANDS
	13	19	15	31.0?	19.92	N	38.94	E	10	G	4.0		0.6	5	RED SEA. MD 3.7 (RYD).
	13	19	37	35.6?	31.48	S	68.29	W	100	G			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	13	19	52	14.8*	51.529	N	7.111	E	10	G			0.4	5	GERMANY. ML 2.1 (BNS).
	13	20	54	19.4	53.096	N	160.106	E	60	*	4.6		1.1	56	NEAR EAST COAST OF KAMCHATKA
	13	22	13	01.7*	17.696	S	178.597	W	510	?	4.6		1.2	65	FIJI ISLANDS REGION
	13	23	03	11.0	43.988	N	7.559	E	10	G			0.4	13	NEAR SOUTH COAST OF FRANCE. ML 1.6 (GEN), 1.0 (STR).
	14	00	04	13.3%	34.427	S	70.727	W	100	G			0.1	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	14	00	23	42.7	43.048	N	0.296	W	5	G			0.3	9	PYRENEES. ML 2.5 (LDG). Felt (II) at Asson, France.
	14	00	38	31.0*	5.748	S	126.598	E	33	N	5.1		1.5	20	BANDA SEA
	14	00	44	33.0*	9.216	N	126.109	E	85	*	4	4	1.1	15	MINDANAO, PHILIPPINE ISLANDS
	14	00	46	52.2	33.444	N	135.031	E	37		4.6		1.3	35	NEAR S. COAST OF WESTERN HONSHU
	14	01	20	18.0%	40.658	N	23.416	E	5	G			0.5	6	GREECE. ML 1.9 (THE).

	14	02	16	26.4%	46.459	N	2.615	E	10	G			0.4	9	FRANCE. ML 1.7 (LDG).
	14	02	27	29.5	39.208	N	28.110	E	10	G			1.0	21	TURKEY. MD 3.6 (ISK), 3.5 (ATH).
	14	02	33	04.1	38.946	N	23.051	E	10	G			0.7	12	GREECE. ML 2.5 (THE).
	14	02	48	53.7	54.378	N	0.595	W	5	G			0.6	19	UNITED KINGDOM. ML 2.4 (BGS).
	14	03	20	01.9?	31.20	S	68.68	W	33	N			1.0	5	SAN JUAN PROVINCE, ARGENTINA
	14	03	48	36.1*	9.086	S	109.016	W	10	G	4.4	4.2	1.1	19	CENTRAL EAST PACIFIC RISE
	14	04	12	56.7%	32.021	S	68.316	W	10	G			1.1	6	MENDOZA PROVINCE, ARGENTINA
	14	06	12	18.4&	62.854	N	149.009	W	66					61	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.1 (PMR).
	14	06	38	46.5?	42.13	N	105.54	E	33	N	3.8		0.9	4	MONGOLIA
	14	07	06	55.0*	7.981	N	38.563	W	10	G	4.8		0.8	17	CENTRAL MID-ATLANTIC RIDGE
	14	07	13	58.7&	35.942	N	120.488	W	11					24	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.2 (PAS), 3.0 (BRK). Mo=9.8*10**13 Nm (BRK).
	14	07	46	15.0&	60.894	N	150.278	W	28		2.8			70	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.3 (AEIC), 3.1 (PMR).
	14	08	02	11.8?	32.70	S	178.13	W	33	N	4.2		1.2	8	SOUTH OF KERMADEC ISLANDS
a	14	08	12	13.2	19.602	N	38.774	E	10	G	4.9	4.6	1.1	85	RED SEA. Mw 5.0 (HRV). MD 4.7 (RYD).
	14	08	42	06.3?	19.93	N	38.76	E	10	G	4.2		1.7	7	RED SEA
	14	09	14	38.6*	53.572	N	165.559	W	69	*	4.5		1.0	34	FOX ISLANDS, ALEUTIAN ISLANDS
	14	09	55	34.0%	40.434	N	28.527	E	10	G			0.5	5	TURKEY. MD 2.5 (ISK).
	14	10	01	58.4?	9.79	S	117.96	E	33	N	3.5		1.4	5	SUMBAWA REGION, INDONESIA
	14	10	12	44.6?	16.60	N	100.80	W	33	N	3.5		1.6	7	NEAR COAST OF GUERRERO, MEXICO
	14	12	26	14.3%	28.013	S	26.751	E	5	G			0.4	8	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	14	13	25	33.1%	39.049	N	27.686	E	10	G			0.8	5	TURKEY. MD 2.7 (ISK).
	14	13	35	32.5	47.774	N	16.174	E	0	G			1.1	10	AUSTRIA. ML 2.8 (VIE), 2.6 (BRA). Probable explosion. Felt (IV) at Wiener Neustadt.
	14	13	49	33.1?	31.52	S	69.05	W	121	?			0.3	5	SAN JUAN PROVINCE, ARGENTINA
	14	14	15	20.6%	44.393	N	7.359	E	5	G			0.3	6	NORTHERN ITALY. ML 1.5 (GEN).
	14	14	49	18.0	19.564	N	38.648	E	10	G	4.7	4.4	1.1	62	RED SEA. MD 4.7 (RYD).
	14	14	50	18.4*	11.733	N	92.312	E	33	N	4.6		1.3	27	ANDAMAN ISLANDS, INDIA
	14	15	20	19.4&	62.920	N	150.927	W	106					26	CENTRAL ALASKA. <AEIC>.
	14	15	37	18.1?	39.02	N	27.45	E	10	G			0.1	4	TURKEY. MD 2.8 (ISK).
	14	15	50	28.4?	51.28	N	15.79	E	10	G			1.3	4	POLAND
	14	17	53	44.4?	45.46	N	26.16	E	130	G			0.5	6	ROMANIA
	14	18	01	08.7%	44.366	N	7.320	E	5	G			0.4	5	NORTHERN ITALY. ML 1.9 (GEN).
	14	18	05	14.1%	44.363	N	7.298	E	5	G			0.4	6	NORTHERN ITALY. ML 1.5 (GEN).
	14	18	28	46.9?	7.14	S	128.27	E	33	N	4.2		0.7	10	BANDA SEA
	14	20	14	52.7%	33.701	S	70.300	W	104	?			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
	14	20	47	46.6?	11.16	S	163.47	E	33	N	4.3	3.8	1.4	9	SOLOMON ISLANDS
	14	20	55	27.8*	46.050	S	166.745	E	124	*			0.9	21	OFF W. COAST OF S. ISLAND, N.Z.
	14	20	56	17.1%	32.829	S	70.932	W	62	?			0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
	14	21	08	11.7&	37.068	N	121.497	W	4					19	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Felt at Gilroy.
	14	21	18	41.4*	23.683	S	179.718	W	551	*	4.8		1.0	29	SOUTH OF FIJI ISLANDS
	14	21	23	16.1	26.516	N	57.831	E	33	N	4.6	4.0	0.9	38	SOUTHERN IRAN
	14	22	08	15.3%	44.997	N	6.758	E	10	G			0.1	5	FRANCE. ML 1.6 (GEN).
	14	23	00	38.1%	37.041	N	5.500	W	10	G			0.8	5	SPAIN
	14	23	07	00.1	37.225	S	176.449	E	255	?			0.6	22	NORTH ISLAND, NEW ZEALAND
	14	23	18	51.2*	25.617	N	141.380	E	103	D	4.6		1.5	30	VOLCANO ISLANDS REGION
	14	23	26	34.5&	62.402	N	151.160	W	92		3.8			85	CENTRAL ALASKA. <AEIC>. Felt (III) at Skwentno and (II at Talkeetna.
	14	23	32	51.4?	42.74	N	3.41	E	10	G			0.6	6	PYRENEES. ML 2.5 (LDG).
	14	23	35	55.5*	36.250	N	71.139	E	33	N	4.2		0.5	10	AFGHANISTAN-TAJIKISTAN BORD REG.
	14	23	40	11.5	1.320	N	97.707	E	19	D	4.9		1.0	28	NORTHERN SUMATERA, INDONESIA
	15	00	42	24.0	39.610	N	143.289	E	28	D	5.1	4.6	1.0	123	OFF EAST COAST OF HONSHU, JAPAN
	15	00	49	46.6	43.105	N	0.541	W	5	G			0.7	7	PYRENEES. ML 1.0 (STR).
	15	01	38	13.3	19.491	N	38.738	E	10	G	5.0		1.0	112	RED SEA. MD 4.8 (RYD).
	15	01	51	35.0&	63.222	N	151.077	W	13					32	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.7 (PMR).
	15	03	17	08.7%	45.699	N	5.719	E	10	G			0.6	5	FRANCE. ML 1.9 (LDG).
	15	03	29	05.4?	6.42	N	72.43	W	144	?			0.3	8	NORTHERN COLOMBIA
a	15	03	35	05.9	42.299	N	143.100	E	56	D	5.1		1.0	206	HOKKAIDO, JAPAN REGION. Mw 5.1 (HRV).
	15	03	52	32.1*	66.697	N	12.961	E	10	G			1.5	5	NORTHERN NORWAY. MD 2.8 (BER).
	15	04	15	35.5*	7.292	S	106.796	E	74	*	5.1		1.4	38	JAWA, INDONESIA
	15	04	29	53.9	39.233	N	76.897	W	5	G			0.9	13	CHESAPEAKE BAY REGION. mbLg 2.7 (GS). Felt in the Columbia-Laurel area, Maryland.
	15	04	57	33.0	19.438	N	38.762	E	10	G	4.7	4.3	1.2	43	RED SEA. MD 4.5 (RYD).
	15	06	37	10.9	43.891	N	7.889	E	10	G			0.9	50	NEAR SOUTH COAST OF FRANCE. ML 3.4 (GEN), 3.2 (LDG), 3.1 (STR). MD 2.8 (LJU).
	15	06	43	14.3?	32.57	S	179.53	E	438	?	4.3		0.9	23	SOUTH OF KERMADEC ISLANDS
	15	07	07	02.6&	65.117	N	156.172	W	10	G				26	NORTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.3 (PMR).
	15	08	51	24.5%	38.926	N	27.775	E	10	G			0.4	5	TURKEY. MD 2.7 (ISK).
	15	08	54	04.5?	30.12	S	179.73	W	576	?	4.9		1.0	35	KERMADEC ISLANDS REGION
	15	08	57	55.4	19.434	N	38.708	E	13	D	4.9	4.7	0.9	60	RED SEA. MD 4.7 (RYD).
	15	09	17	35.8%	46.522	N	2.346	E	15				0.4	9	FRANCE. ML 1.6 (LDG).
	15	09	46	36.8	43.433	N	5.464	E	5	G			0.5	18	NEAR SOUTH COAST OF FRANCE. ML 2.8 (STR).
	15	10	48	49.8	39.552	N	112.075	W	5	G			0.9	11	UTAH. ML 3.0 (GS), 3.3 (SLC).
	15	10	59	48.6&	61.757	N	149.578	W	7					60	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.5 (PMR). Fel (III) at Willow, (II) at Palmer and (I) at Eagle River
	15	11	53	00.0?	11.57	N	88 45	W	72	*	4.4		1.0	12	OFF COAST OF CENTRAL AMERICA. MD 4.8 (GCG).
	15	12	50	57.0?	47.42	N	1.29	W	10	G			0.1	5	FRANCE. ML 2.0 (LDG).
	15	13	10	23.7%	39.109	N	27.654	E	10	G			0.4	5	TURKEY. MD 2.6 (ISK).
	15	13	12	20.5?	44.38	N	7.34	E	5	G			0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
	15	13	24	22.1?	41.18	N	31.62	E	10	G			0.7	5	TURKEY. MD 3.0 (ISK).
	15	14	23	29.0%	53.098	N	1.077	W	5	G			0.4	7	UNITED KINGDOM. ML 2.3 (BGS).
	15	15	20	28.9*	50.561	N	178.105	W	33	N	4.3		1.1	18	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	15	26	18.4%	60.639	N	5.353	E	10	G			0.7	7	SOUTHERN NORWAY. MD 1.6 (BER).
	15	15	32	38.3	38.102	N	45.807	E	11	D	4.8	4.2	1.3	97	ARMENIA-AZERBAIJAN-IRAN BORD REG. Felt (V) in the Tobriz-Sufian-Marand area, Iran. Also felt (III) at Goris, Armenia.
	15	15	39	24.7*	52.647	S	160.419	E	33	N			0.3	6	MACQUARIE ISLANDS REGION
	15	15	47	13.3?	33.91	S	72.17	W	10	G			0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	15	15	57	47.3?	40.11	N	24.37	E	10	G			0.3	6	AEGEAN SEA. ML 2.5 (THE).
f	15	16	08	57.8	26.708	S	70 918	W	29	G	6	0 6.2	1.1	399	NEAR COAST OF NORTHERN CHILE. Mw 6.7 (GS), 6.5 (HRV). Ms 5.9 (BRK). Mo=2.2*10**19 Nm (PPT). Some damage (VI)

													in the Chanaral-Copiapo-Taltal area. Felt (V) at Vallenar; (IV) at Antofagasta, Mejillones, Sierra Gardo, Tocopilla and Vicuna; (III) at Andacollo, Combarbala, La Serena and Maria Elena; (II) at Calamo, Coquimbo and Ovalle. Depth from broadband displacement seismograms.
	15	16 19 26.3&	63.095	N	150.876	W	127				50	CENTRAL ALASKA. <AEIC>.
	15	17 10 38.9?	59.98	S	25.97	W	33	N	5.0	1.6	14	SOUTH SANDWICH ISLANDS REGION
	15	17 40 53.4%	26.880	S	26.726	E	5	G		0.9	8	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
	15	17 43 02.8?	33.47	S	179.79	W	33	N	4.3	1.1	8	SOUTH OF KERMADEC ISLANDS
	15	17 53 47.1	49.130	N	6.931	E	10	G		0.5	10	GERMANY. mbLg 3.1 (UCC).
	15	18 22 34.7	16.367	S	173.688	W	69	D	5.1	1.2	108	TONGA ISLANDS
	15	19 48 00.6	34.774	N	29.141	E	51	*	4.2	1.3	43	EASTERN MEDITERRANEAN SEA
	15	20 44 47.4%	40.294	N	25.054	E	10	G		0.8	8	AEGEAN SEA. ML 2.9 (THE).
	15	21 23 57.0?	35.27	N	137.16	E	33	N		0.6	4	EASTERN HONSHU, JAPAN
	15	23 22 43.6?	42.51	S	176.71	E	16		3.7	0.6	39	OFF E. COAST OF S. ISLAND, N.Z.
	15	23 28 10.9%	32.906	S	70.212	W	110	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	15	23 30 45.3%	39.163	N	28.139	E	10	G		0.9	5	TURKEY. MD 2.7 (ISK).
	15	23 31 03.4%	44.759	N	6.992	E	5	G		0.3	7	FRANCE. ML 1.9 (GEN).
	15	23 33 45.0	19.677	N	38.860	E	10	G	4.2	0.8	16	RED SEA. MD 4.2 (RYD).
	15	23 43 29.1	44.377	N	7.348	E	20		3.7	0.9	122	NORTHERN ITALY. ML 4.3 (GEN), 4.0 (LDG), 4.0 (STR), 3.7 (VIE). MD 4.1 (TRI), 3.8 (FIR), 3.7 (ROM). mbLg 3.7 (UCC).
	15	23 53 07.9	44.352	N	7.293	E	10	G		0.6	12	NORTHERN ITALY. ML 1.7 (GEN), 1.6 (LDG).
	15	23 53 51.2	44.363	N	7.327	E	10	G		0.5	23	NORTHERN ITALY. ML 2.2 (LDG), 2.1 (GEN).
	15	23 56 24.2%	44.399	N	7.359	E	10	G		0.5	6	NORTHERN ITALY. ML 1.6 (GEN).
	15	23 57 04.5	44.353	N	7.313	E	10	G		0.6	16	NORTHERN ITALY. ML 2.2 (GEN), 2.1 (LDG).
	15	23 57 47.6	44.363	N	7.315	E	10	G		0.4	13	NORTHERN ITALY. ML 1.7 (GEN), 1.7 (LDG).
	15	23 58 52.8	12.814	N	88.260	W	75		4.3	1.1	30	OFF COAST OF CENTRAL AMERICA. MD 4.4 (GCG), 4.1 (APY). Felt (III) at San Salvador, El Salvador.
	16	00 28 36.1%	44.374	N	7.354	E	10	G		0.1	5	NORTHERN ITALY. ML 1.6 (GEN).
	16	00 34 58.6	44.337	N	7.336	E	10	G		0.9	23	NORTHERN ITALY. ML 2.1 (GEN), 2.0 (LDG).
	16	00 44 38.4	9.570	N	70.826	W	17		4.2	0.8	15	VENEZUELA. Felt at Bocono, Santo Domingo, Merida, El Tocuyo and Trujillo.
	16	01 06 28.4%	44.364	N	7.336	E	10	G		0.4	5	NORTHERN ITALY. ML 1.4 (GEN).
	16	01 08 36.6*	26.715	S	71.341	W	59	?		1.3	17	OFF COAST OF NORTHERN CHILE
	16	01 14 09.8	44.366	N	7.296	E	13			0.4	21	NORTHERN ITALY. ML 2.2 (GEN), 1.9 (LDG).
	16	01 17 34.6	44.374	N	7.326	E	12			0.4	17	NORTHERN ITALY. ML 2.2 (GEN), 2.0 (LDG).
	16	01 21 35.9	44.370	N	7.302	E	10	G		0.8	12	NORTHERN ITALY. ML 1.5 (GEN), 1.4 (LDG).
	16	01 28 45.9*	44.455	N	7.591	E	10	G		0.8	5	NORTHERN ITALY. ML 1.2 (GEN).
	16	01 30 09.3	51.309	N	15.807	E	10	G		0.8	17	POLAND. ML 3.4 (GRF), 3.3 (VIE).
	16	02 11 20.6	44.371	N	7.322	E	12			0.4	23	NORTHERN ITALY. ML 2.2 (LDG), 2.1 (GEN).
	16	02 20 32.3*	19.182	N	63.234	W	33	N	3.8	0.9	11	LEEWARD ISLANDS
	16	02 22 47.4?	44.36	N	7.32	E	10	G		0.0	4	NORTHERN ITALY. ML 1.5 (GEN).
	16	02 55 47 4	44.343	N	7.343	E	10	G		1.0	15	NORTHERN ITALY. ML 2.2 (GEN), 1.7 (LDG).
	16	03 04 00.6%	44.392	N	7.350	E	10	G		0.6	6	NORTHERN ITALY. ML 1.9 (GEN).
	16	03 35 43.1%	44.382	N	7.348	E	5	G		0.6	6	NORTHERN ITALY. ML 1.8 (GEN).
	16	03 59 26.6&	38.789	N	122.774	W	4				30	NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.5 (BRK), 3.4 (GS). Felt (IV) at Cobb.
	16	04 47 51.9?	8.09	S	122.46	E	33	N	4.1	1.1	10	FLORES REGION, INDONESIA
	16	05 23 05.5%	44.382	N	7.325	E	10	G		0.6	6	NORTHERN ITALY. ML 1.6 (GEN).
	16	06 04 06.3&	62.751	N	149.562	W	70				49	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
	16	06 18 36.1	38.558	S	175.843	E	174		4.5	1.0	44	NORTH ISLAND, NEW ZEALAND
	16	06 52 33.3*	37.128	N	22.686	E	10	G		1.1	12	SOUTHERN GREECE. MD 3.4 (ATH).
	16	06 57 17.5?	44.38	N	7.34	E	5	G		0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
	16	06 59 05.9	19.422	N	38.718	E	10	G	4.7 4.6	1.1	69	RED SEA. MD 4.8 (RYD).
	16	07 10 35.0%	44.381	N	7.315	E	5	G		0.3	5	NORTHERN ITALY. ML 1.6 (GEN).
	16	07 22 26.8*	44.134	N	21.844	E	10	G		1.2	18	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG).
	16	07 38 10.2&	35.670	N	90.550	W	10	G			23	ARKANSAS. <SLM-P>. MD 3.0 (SLM), 3.0 (TEIC). mbLg 3.3 (GS). Felt (IV) at Marked Tree and (III) at Trumann and Tyronza.
	16	07 50 13.5&	34.224	N	116.757	W	2				14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.3 (GS). Felt (III) at Highland and Yucca Valley. Also felt in the Big Bear Lake area.
	16	07 59 24.0&	39.200	N	76.900	W	5	G			4	CHESAPEAKE BAY REGION. <MACRO>. mbLg 1.8 (GS). Felt at Columbia, Maryland.
	16	08 05 32.5%	43.019	N	18.496	E	10	G		0.9	6	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	16	08 06 18.0%	44.337	N	7.154	E	5	G		0.2	5	NORTHERN ITALY. ML 1.6 (GEN).
	16	08 18 53.2	15.073	N	123.015	E	26	D	4.9 4.2	1.0	42	PHILIPPINE ISLANDS REGION. Felt in the epicentral area.
	16	08 27 42.0%	44.397	N	7.342	E	10	G		0.7	6	NORTHERN ITALY. ML 1.7 (GEN).
	16	08 36 51.6?	15.45	N	90.17	W	33	N	4.0	1.4	7	GUATEMALA
	16	08 39 05.8?	44.38	N	7.34	E	5	G		0.1	4	NORTHERN ITALY. ML 1.3 (GEN).
	16	09 08 46.4&	58.282	N	155.955	W	142				26	ALASKA PENINSULA. <AEIC>.
	16	09 37 28.1%	39.111	N	27.637	E	10	G		0.7	5	TURKEY. MD 2.7 (ISK).
	16	09 50 54.2?	31.63	S	66.96	W	33	N		1.5	4	LA RIOJA PROVINCE, ARGENTINA
	16	10 01 57.5?	44.36	N	7.32	E	5	G		0.0	4	NORTHERN ITALY. ML 1.4 (GEN).
	16	10 37 43.4*	6.536	S	75.558	W	33	N	4.3	0.8	9	NORTHERN PERU
	16	10 42 03.7?	39.12	N	27.60	E	10	G		0.6	4	TURKEY. MD 2.7 (ISK).
	16	10 54 11.3	37.863	S	176.045	E	313		4.3	1.0	61	NORTH ISLAND, NEW ZEALAND
	16	10 55 24.2%	44.386	N	7.375	E	10	G		0.3	7	NORTHERN ITALY. ML 2.2 (GEN).
	16	11 14 14.2%	40.808	N	22.973	E	10	G		0.2	5	GREECE
	16	11 24 37.4&	60.055	N	153.493	W	153				42	SOUTHERN ALASKA. <AEIC>.
	16	11 31 33.3?	39.21	N	27.05	E	10	G		0.7	4	TURKEY. MD 2.8 (ISK).
o	16	11 59 26.4	19.516	N	38.768	E	10	G	5.4 4.8	1.1	208	RED SEA. Mw 5.3 (HRV). MD 5.0 (RYD).
	16	12 37 37.7%	40.630	N	23.406	E	5	G		0.5	6	GREECE
	16	12 43 56.1%	40.208	N	29.252	E	10	G		0.4	7	TURKEY. MD 2.6 (ISK).
	16	12 55 06.8%	26.395	S	27.410	E	5	G		0.7	7	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
o	16	13 03 07.0	0.527	N	126.145	E	57	D	5.2	1.1	90	NORTHERN MOLUCCA SEA. Mw 5.3 (HRV).
	16	13 07 20.2	38.137	N	73.600	E	136	D	4.4	1.1	30	TAJIKISTAN-XINJIANG BORDER REG.
	16	13 35 39.8?	15.24	N	122.56	E	33	N	4.0	1.1	5	PHILIPPINE ISLANDS REGION
	16	14 15 07.3?	6.85	S	102.35	E	30	D	4.5	1.2	15	SOUTHWEST OF SUMATERA, INDONESIA
	16	14 15 48.3*	15.115	S	173.661	W	33	N	4.7	1.1	23	TONGA ISLANDS
	16	14 25 20.5%	37.860	S	176.222	E	200	G		1.5	29	NORTH ISLAND, NEW ZEALAND

	16	16	11	00.3*	9.314	S	119.244	E	56	*	4.8	1.0	26	SUMBA REGION, INDONESIA
	16	16	44	12.1?	44.37	N	7.32	E	10	G		0.1	4	NORTHERN ITALY. ML 1.4 (GEN).
	16	16	45	05.2%	26.370	S	27.346	E	5	G		0.7	8	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	16	16	57	23.6*	46.187	N	16.871	E	10	G		1.0	5	NORTHWESTERN BALKAN REGION. ML 2.3 (ZAG). Felt in the Ludbreg area, Croatia.
	16	17	05	20.7%	33.145	S	70.272	W	10	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	16	17	52	59.0*	27.892	N	126.527	E	260	*	4.5	0.7	24	NORTHWEST OF RYUKYU ISLANDS
	16	18	41	37.4	42.332	N	19.462	E	10	G		0.9	14	NORTHWESTERN BALKAN REGION. MD 2.7 (TTG). ML 2.4 (TIR).
	16	19	17	59.8	44.355	N	7.302	E	10	G		0.5	13	NORTHERN ITALY. ML 1.9 (GEN), 1.6 (LDG).
	16	19	33	33.7&	40.430	N	124.602	W	12		2.9		7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK), 3.2 (GS). Felt at Petralia.
	16	21	49	13.6%	26.339	S	27.710	E	5	G		1.1	7	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	16	22	06	08.3%	36.929	N	29.162	E	10	G		0.4	5	TURKEY. MD 3.2 (ISK).
	16	22	40	17.9*	46.186	N	16.753	E	10	G		1.3	8	NORTHWESTERN BALKAN REGION. MD 2.9 (LJU). ML 2.5 (ZAG).
	16	22	43	15.2	46.224	N	16.785	E	10	G		0.9	35	NORTHWESTERN BALKAN REGION. ML 3.8 (GRF), 3.7 (ZAG), 3.5 (BRA), 3.4 (VIE). MD 3.5 (TRI). Felt in the Ludbreg area, Croatia.
	16	22	49	17.8	23.829	S	179.976	W	556		4.6	1.2	60	SOUTH OF FIJI ISLANDS
	16	22	50	57.6	46.219	N	16.840	E	10	G	3.5	0.8	25	NORTHWESTERN BALKAN REGION. ML 3.5 (BRA), 3.4 (VIE), 3.4 (ZAG). MD 3.4 (TRI).
a	16	22	59	45.8	11.625	N	41.987	E	16	D	5.6 5.2	1.0	287	ETHIOPIA. Mw 5.6 (HRV).
	16	23	09	34.4%	44.401	N	7.354	E	10	G		0.5	6	NORTHERN ITALY. ML 1.8 (GEN).
	17	00	07	17.5	37.519	N	13.670	E	10	G		1.1	19	SICILY. MD 3.3 (ROM).
	17	00	12	13.2?	44.37	N	7.33	E	10	G		0.0	4	NORTHERN ITALY. ML 1.3 (GEN).
	17	00	36	31.0*	46.165	N	16.776	E	5	G		1.6	5	NORTHWESTERN BALKAN REGION. ML 2.4 (ZAG).
	17	01	03	40.5*	19.478	N	38.784	E	10	G	4.3	1.2	14	RED SEA. MD 4.0 (RYD).
	17	02	10	16.6%	40.634	N	23.368	E	10	G		0.5	6	GREECE
	17	02	17	58.4?	39.05	N	28.30	E	10	G		0.3	4	TURKEY. MD 2.5 (ISK).
	17	02	48	27.7%	44.843	N	7.627	E	10	G		1.0	10	NORTHERN ITALY. ML 2.1 (GEN).
	17	02	52	07.0	11.572	N	141.617	E	31	D	4.9	1.0	33	WESTERN CAROLINE ISLANDS
	17	03	00	45.7*	46.227	N	16.873	E	10	G		1.2	20	NORTHWESTERN BALKAN REGION. ML 3.2 (ZAG), 2.9 (VIE). MD 3.1 (TRI).
	17	03	14	53.4	45.769	N	26.639	E	95		3.6	0.9	36	ROMANIA
a	17	04	35	58.1	37.691	S	74.939	W	9	G	5.8	1.2	200	OFF COAST OF CENTRAL CHILE. Mw 5.6 (HRV). Ms 5.2 (BRK). Depth from broadband displacement seismagrams.
	17	04	36	55.4%	43.188	N	18.871	E	10	G		0.1	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	17	04	44	27.1%	34.085	S	71.001	W	71	?		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	17	04	46	30.3?	36.60	S	177.67	E	283	?		0.8	25	OFF E. COAST OF N. ISLAND, N.Z.
	17	05	11	55.0%	44.367	N	7.336	E	10	G		0.7	6	NORTHERN ITALY. ML 1.7 (GEN).
	17	05	34	48.4%	27.997	S	26.728	E	5	G		0.3	7	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
	17	05	56	37.2	44.370	N	7.335	E	10	G		0.5	14	NORTHERN ITALY. ML 2.1 (GEN), 1.6 (LDG).
	17	06	33	04.5%	44.905	N	6.652	E	5	G		0.7	5	FRANCE. ML 1.8 (GEN).
	17	08	09	22.8?	10.39	N	67.11	W	10	G		0.0	4	NEAR COAST OF VENEZUELA
	17	08	45	10.5%	39.636	S	175.470	E	89	*		0.7	34	NORTH ISLAND, NEW ZEALAND
	17	09	10	30.0?	44.37	N	7.30	E	5	G		0.0	4	NORTHERN ITALY. ML 1.4 (GEN).
	17	09	19	18.6	39.098	N	27.752	E	10	G		0.5	6	TURKEY. MD 2.8 (ISK).
	17	09	31	10.4?	39.09	N	27.58	E	10	G		1.2	4	TURKEY. MD 2.7 (ISK).
	17	09	31	49.3?	39.13	N	27.56	E	10	G		0.6	4	TURKEY. MD 2.7 (ISK).
	17	09	51	42.4?	42.54	N	0.15	W	5	G		0.5	4	PYRENEES. ML 2.5 (LDG).
	17	10	15	03.8	41.065	N	72.048	E	21	D	4.8 4.2	1.0	108	KYRGYZSTAN. Felt (VI) at Kyzyl-Dzhar. Also felt (V) at Namangan and (II) at Tashkent, Uzbekistan.
	17	10	21	54.1*	35.357	N	31.156	E	33	N		1.4	36	CYPRUS REGION. ML 4.4 (CSS).
	17	10	23	43.8	46.401	N	13.094	E	5	G		1.4	9	AUSTRIA. ML 2.6 (VIE). MD 2.4 (TRI).
	17	10	33	29.6?	39.33	N	29.64	E	10	G		0.9	4	TURKEY. MD 2.6 (ISK).
	17	11	36	47.8%	27.901	S	26.682	E	5	G		0.5	8	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	17	11	58	47.8&	63.119	N	150.734	W	132				50	CENTRAL ALASKA. <AEIC>.
	17	12	13	49.9	51.643	N	16.007	E	10	G	3.9	1.1	37	POLAND. ML 4.4 (WAR), 4.3 (GRF), 4.1 (VIE), 3.9 (FUR).
	17	12	16	16.4&	62.610	N	151.224	W	90				61	CENTRAL ALASKA. <AEIC>.
	17	12	26	24.4?	44.28	N	7.87	E	10	G		0.7	6	NORTHERN ITALY. ML 2.0 (LDG).
	17	12	56	34.1?	31.09	S	69.24	W	120	G		0.4	6	SAN JUAN PROVINCE, ARGENTINA
	17	13	23	30.1?	42.46	N	24.01	E	10	G		0.4	8	BULGARIA
	17	13	23	43.1?	32.57	S	71.61	W	10	G		0.5	12	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	17	13	37	10.2*	23.437	N	95.833	E	33	N	4.1	1.6	15	MYANMAR
	17	14	21	10.6&	45.550	N	111.681	W	6				47	MONTANA. <BUT-P>. ML 3.6 (BUT), 3.5 (GS). Felt (V) at Norris and (III) at Pony. Also felt at Bear Trap Hot Springs.
	17	14	27	47.8&	45.552	N	111.692	W	6				10	MONTANA. <BUT-P>. ML 2.3 (BUT). Felt at Norris.
	17	14	30	22.3?	40.92	N	30.64	E	10	G		0.3	4	TURKEY. MD 2.6 (ISK).
	17	14	34	00.7	44.368	N	7.296	E	10	G		0.4	16	NORTHERN ITALY. ML 2.2 (GEN), 2.0 (LDG).
	17	14	45	32.3&	45.557	N	111.670	W	10				7	MONTANA. <BUT-P>. MD 1.7 (BUT). Felt at Norris.
	17	14	48	22.0&	45.552	N	111.680	W	7				6	MONTANA. <BUT-P>. MD 1.9 (BUT). Felt at Norris.
	17	14	48	34.5	2.592	N	127.712	E	102	*	4.9	1.1	22	NORTHERN MOLUCCA SEA
	17	15	23	06.6	42.816	N	17.885	E	10	G		1.4	70	ADRIATIC SEA. MD 4.1 (TRI), 3.6 (TTG). ML 3.9 (VIE), 3.7 (ROM), 3.6 (TIR).
	17	16	48	26.1*	18.007	S	169.148	E	33	N	4.5	1.2	16	VANUATU ISLANDS
	17	16	59	48.0&	61.664	N	146.445	W	28		3.0		66	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.0 (PMR).
	17	17	07	21.7?	22.48	S	179.84	W	614	?	4.2	1.1	11	SOUTH OF FIJI ISLANDS
	17	17	21	00.9*	30.109	N	132.338	E	33	N	4.2	1.2	8	SOUTHEAST OF SHIKOKU, JAPAN
	17	17	25	02.3?	19.71	N	38.97	E	10	G	4.2	1.4	6	RED SEA. MD 3.8 (RYD).
	17	17	50	33.5*	7.769	S	108.042	E	96	*	4.9	1.2	30	JAWA, INDONESIA
	17	17	53	35.6&	45.547	N	111.673	W	3				12	MONTANA. <BUT-P>. ML 2.8 (BUT). Felt at Norris.
	17	18	48	41.0%	40.441	N	27.843	E	10	G		0.4	5	TURKEY. MD 2.6 (ISK).
	17	19	06	12.4%	40.573	N	23.267	E	10	G		0.5	5	GREECE
	17	19	15	01.4%	31.322	S	68.276	W	98	*		0.6	10	SAN JUAN PROVINCE, ARGENTINA
	17	19	47	15.2%	40.825	N	23.390	E	10	G		0.3	5	GREECE
	17	19	52	48.8	44.347	N	11.278	E	10	G		1.5	41	NORTHERN ITALY. MD 3.1 (LJU), 2.9 (FIR), 2.8 (ROM). ML 3.0 (LDG), 3.0 (VIE).
	17	20	15	40.0*	49.112	N	6.866	E	10	G		0.4	5	GERMANY
	17	20	21	31.3&	57.047	N	155.553	W	39				13	ALASKA PENINSULA. <AEIC>. ML 2.8 (AEIC).
	17	21	01	07.0&	59.435	N	153.322	W	111				63	SOUTHERN ALASKA. <AEIC>. Felt (III) at at Homer.
	17	21	07	36.5?	19.40	N	38.98	E	10	G	4.1	1.4	8	RED SEA
	17	21	19	29.2?	19.03	N	38.70	E	10	G	4.2	1.1	7	RED SEA
	17	22	27	51.1%	44.326	N	6.930	E	10	G		0.5	6	FRANCE. ML 1.5 (LDG).

	17	22 40 10.7*	4.099	N	124.793	E	320 *	4.5		1.2	25	CELEBES SEA
	17	22 45 06.5*	7.941	S	104.024	E	33 N	4.3		0.9	6	SOUTHWEST OF SUMATERA, INDONESIA
	17	23 38 11.3*	6.781	N	72.922	W	165 *	4.7		1.4	12	NORTHERN COLOMBIA
	17	23 59 15.0	38.219	N	44.855	E	26 D	4.4		1.4	33	TURKEY-IRAN BORDER REGION
	18	00 56 36.3?	36.07	N	4.76	W	10 G			1.1	6	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	18	01 24 46.6%	32.526	S	70.140	W	110 G			0.3	12	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	18	01 29 32.6&	45.560	N	111.692	W	7				9	MONTANA. <BUT-P>. MD 2.5 (BUT). Felt at Norris.
	18	01 36 17.4	40.417	N	28.036	E	10 G			0.6	24	TURKEY. MD 3.6 (ISK).
	18	01 36 27.6*	39.039	N	23.903	E	10 G			0.5	11	AEGEAN SEA
	18	02 03 43.4	51.463	N	6.925	E	10 G			1.3	25	GERMANY. MD 2.7 (UCC). ML 2.6 (LDG), 2.1 (BNS).
	18	02 13 45.5*	53.604	N	166.972	W	33 N	4.5		1.2	22	FOX ISLANDS, ALEUTIAN ISLANDS
	18	02 21 58.1?	38.89	N	24.14	E	10 G			0.4	6	AEGEAN SEA
	18	02 29 51.2%	40.230	S	173.455	E	190 G			0.5	17	COOK STRAIT, NEW ZEALAND
	18	02 30 15.2%	40.432	N	27.958	E	10 G			0.6	5	TURKEY. MD 2.7 (ISK).
	18	02 47 13.4%	41.305	N	23.693	E	10 G			0.5	5	GREECE-BULGARIA BORDER REGION
	18	03 11 37.3*	15.476	N	60.505	W	33 N			0.2	7	LEEWARD ISLANDS. ML 2.9 (FDF).
	18	03 40 46.6?	34.49	S	71.51	W	33 N			0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	18	05 24 27.6	30.760	S	71.622	W	45 D	4.7		1.3	52	NEAR COAST OF CENTRAL CHILE. MD 4.9 (SAN). Felt (IV) at Ovalle.
	18	05 34 25.6	55.097	N	161.989	E	33 N	4.6		1.2	55	NEAR EAST COAST OF KAMCHATKA
	18	05 37 09.7*	8.630	S	120.643	E	33 N	4.8	4.4	1.6	15	FLORES REGION, INDONESIA
	18	05 42 02.2&	34.354	N	116.466	W	0				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	18	05 42 20.3?	43.38	N	5.48	E	10 G			1.0	10	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
	18	06 44 45.1?	40.42	N	23.08	E	10 G			0.1	4	GREECE
	18	06 54 52.1%	31.686	S	67.852	W	10 G			0.6	6	SAN JUAN PROVINCE, ARGENTINA
	18	07 00 06.0?	7.19	S	129.33	E	104 ?	4.5		1.4	13	BANDA SEA
	18	07 19 39.5	40 388	N	27.980	E	14	4.0		1.0	71	TURKEY. MD 4.2 (ISK), 4.1 (ATH). ML 4.1 (THE). Felt in the Bolikesir-Burso-Istonbul oreo.
	18	07 22 45.2	40.405	N	27.952	E	12			0.9	19	TURKEY. ML 4.0 (THE). MD 3.9 (ISK). Felt in the Bolikesir-Burso-Istonbul oreo.
	18	07 39 58.7	10.510	S	13.152	W	10 G	4.9		0.9	36	ASCENSION ISLAND REGION
	18	07 51 38.1	40.429	N	27.986	E	10 G	4.3		1.0	103	TURKEY. ML 4.5 (THE). MD 4.2 (ISK). Felt in the Bolikesir-Burso-Istonbul oreo.
	18	07 55 34.1%	40.415	N	27.978	E	10 G			0.4	5	TURKEY. MD 3.1 (ISK).
	18	08 01 57.4	40.960	N	142.036	E	67	4.6		1.2	25	NEAR EAST COAST OF HONSHU, JAPAN
	18	08 10 15.8*	46 058	N	13.553	E	10 G			0.6	5	AUSTRIA. MD 2.5 (LJU).
	18	08 20 10.8?	34.99	S	71.09	W	100 G			0.2	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	18	08 47 53.3?	41.63	N	7.49	E	10 G			0.5	17	WESTERN MEDITERRANEAN SEA. ML 3.4 (LDG).
	18	08 48 15.4%	40.400	N	28.020	E	10 G			0.4	8	TURKEY. MD 2.8 (ISK).
	18	09 11 01.0%	40.429	N	28.032	E	10 G			0.4	10	TURKEY. MD 2.9 (ISK).
	18	09 12 29.8?	39.10	N	27.54	E	10 G			0.6	4	TURKEY. MD 2.6 (ISK).
	18	09 13 25.7	26.656	S	70.985	W	33 N	3.8		1.1	15	NEAR COAST OF NORTHERN CHILE
	18	09 42 40.3%	40.420	N	28.039	E	10 G			0.7	6	TURKEY. MD 2.7 (ISK).
	18	09 52 09.3%	40.712	N	22.872	E	5 G			0.1	5	GREECE
	18	10 54 56.2%	44.452	N	8.281	E	10 G			1.0	8	NORTHERN ITALY. ML 2.3 (GEN).
	18	11 02 44.1&	37.553	N	118.833	W	7				17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK), 2.8 (GS).
	18	11 42 35.6*	17.898	N	95.310	W	27 *	4.3		1.3	22	OAXACA, MEXICO
	18	11 45 18.2?	31.28	S	68.75	W	100 G			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	18	12 00 15.2%	39.089	N	27.593	E	10 G			0.6	5	TURKEY. MD 2.7 (ISK).
	18	12 19 02.2?	40.27	N	29.37	E	10 G			0.5	4	TURKEY. MD 2.6 (ISK).
	18	12 25 01.4%	39.133	N	27.518	E	10 G			0.3	5	TURKEY. MD 2.6 (ISK).
	18	12 47 58.9%	40.427	N	28.048	E	10 G			0.4	9	TURKEY. MD 2.9 (ISK).
	18	13 06 57.0%	40.433	N	28.041	E	10 G			0.6	11	TURKEY. MD 3.1 (ISK).
	18	13 19 01.8%	26.245	S	27.657	E	5 G			0.9	6	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	18	14 25 04.6	39.441	S	174.568	E	197	4.5		1.0	48	NORTH ISLAND, NEW ZEALAND. Felt (IV) in southern North Island. Also felt at Nelson, South Island.
	18	14 50 09.2	3.347	N	128.206	E	153 *	4.9		1.2	33	NORTH OF HALMAHERA, INDONESIA
o	18	15 47 00.4	38.340	N	22.155	E	59 D	5.7		1.3	457	GREECE. Mw 5.8 (HRV). MD 5.6 (TTG), 5.6 (VIE), 5.3 (ATH). Ms 5.4 (BRK). Felt strongly at Aiyion, Amfissa, Iteo, Korinthos, Patrai and Xilokastron. Also felt at Athens, Kalamai, Lamia, Loriso and Tripolis.
	18	16 00 59 1%	38.576	S	175.572	E	193 *			0.4	21	NORTH ISLAND, NEW ZEALAND
	18	16 06 15.6%	43.823	N	7.819	E	5 G			0.4	7	NEAR SOUTH COAST OF FRANCE. ML 1.1 (GEN).
	18	16 56 56.5&	34.266	N	116.428	W	0				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS). Felt.
	18	18 05 24.9*	53 698	N	164.548	W	33 N	4.6		1.3	36	UNIMAK ISLAND REGION
	18	18 11 51.0	54.143	N	169.408	E	33 N	4.6		1.3	30	KOMANDORSKY ISLANDS REGION
	18	18 51 06.4	17.540	N	101.268	W	43 D	4.7		1.4	55	NEAR COAST OF GUERRERO, MEXICO
	18	19 02 20.7%	26.368	S	27.402	E	5 G			0.8	8	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
	18	19 23 27.1%	33.733	S	70.968	W	65 ?			0.2	8	CHILE-ARGENTINA BORDER REGION
	18	19 28 09.3	54.171	N	169.324	E	20 D	4.5		1.3	40	KOMANDORSKY ISLANDS REGION
	18	19 31 07.1%	31.299	S	68.532	W	100 ?			0.2	8	SAN JUAN PROVINCE, ARGENTINA
	18	20 07 01.2&	49.072	N	129.245	W	10 G	2.9			13	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.1 (PGC).
	18	20 09 20.1*	36.741	N	142.055	E	15	4.0		1.1	15	OFF EAST COAST OF HONSHU, JAPAN
	18	20 15 31.8%	33.146	S	70.262	W	10 G			0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	18	22 03 37.4	17.784	S	179.027	W	18	4.4		1.2	22	FIJI ISLANDS REGION. MD 4.9 (SVA). Felt on the Lou Islands.
	18	23 00 45.1	23.930	N	94.209	E	93	4.6		0.9	103	MYANMAR-INDIA BORDER REGION. Felt at Shillong, Indio.
	18	23 00 53.0&	47.472	N	116.015	W	10				6	WESTERN IDAHO. <BUT-P>. MD 3.1 (BUT). Felt (IV) at Wallace and (III) at Silverton. Also felt at Kellogg.
	18	23 18 58.1%	40.402	N	26.232	E	10 G			1.1	13	TURKEY. MD 3.1 (ISK).
	18	23 31 51.9?	29.83	N	99.35	E	33 N	4.3		1.0	8	SICHUAN, CHINA
	18	23 36 53.9*	26.910	S	71.145	W	77 ?			1.7	10	OFF COAST OF NORTHERN CHILE
	18	23 42 24.6	39.379	N	20.477	E	10 G	3.9		1.0	51	GREECE-ALBANIA BORDER REGION. ML 3.6 (TTG), 3.5 (TIR).
	18	23 43 27.3*	6.549	S	130.322	E	117 *	4.7		1.3	16	BANDA SEA
	19	00 20 47.5	19.615	N	38.752	E	10 G	4.6		1.0	48	RED SEA. MD 4.0 (RYD).
	19	00 37 35.0*	36.474	N	141.566	E	33 N	4.5		1.0	15	NEAR EAST COAST OF HONSHU, JAPAN
	19	01 01 35.0	19.956	N	39.252	E	10 G	4.1		0.6	14	RED SEA. MD 3.8 (RYD).
	19	01 39 09.8	26.854	S	70.842	W	28 D	5.3		1.2	122	NEAR COAST OF NORTHERN CHILE. Felt (III) at Copiopo.
a	19	01 48 05.1*	26.742	S	70.966	W	29 D	5 6	5.7	1.2	206	NEAR COAST OF NORTHERN CHILE. Mw 6.0 (HRV). Felt (IV) at Copiopo.
	19	03 49 39.9?	11.53	S	117.96	E	33 N	4 4		0.9	6	SOUTH OF SUMBAWA, INDONESIA
	19	04 07 41.8?	14.00	S	178.42	W	33 N	4.5		0.8	17	FIJI ISLANDS REGION

	19	04	19	37.9?	30.88	S	71.14	W	138	?			0.9	10	NEAR COAST OF CENTRAL CHILE
	19	05	02	55.8&	34.000	N	116.308	W	5					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	19	05	15	58.9	43.845	N	7.846	E	5	G			0.4	10	NEAR SOUTH COAST OF FRANCE. ML 1.8 (LDG), 1.5 (GEN).
	19	05	37	19.9	43.425	N	5.427	E	10	G			0.8	18	NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR).
	19	05	39	47.9&	62.090	N	150.445	W	4					56	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.9 (PMR).
	19	05	50	07.9?	41.54	N	23.48	E	10	G			0.6	5	GREECE-BULGARIA BORDER REGION
	19	05	51	48.0?	26.81	S	70.74	W	33	N			1.6	6	NEAR COAST OF NORTHERN CHILE
a	19	05	59	43.1	36.038	N	141.550	E	34	D	5.5	5.6	1.0	251	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.6 (HRV).
	19	06	01	31.6•	35.942	N	141.585	E	34	D	5.0		1.1	27	NEAR EAST COAST OF HONSHU, JAPAN
	19	06	04	06.3%	41.487	S	174.178	E	33	N			1.2	25	COOK STRAIT, NEW ZEALAND. ML 3.9 (WEL). Felt (III) at Wellington.
	19	07	37	03.4•	26.548	S	70.689	W	33	N	4.1		1.5	20	NEAR COAST OF NORTHERN CHILE. Felt at Copiapo.
	19	08	32	29.2?	40.07	N	24.12	E	10	G			0.4	4	AEGEAN SEA
	19	08	50	44.5•	26.487	S	70.712	W	28	D	4.0		1.5	17	NEAR COAST OF NORTHERN CHILE. Felt at Copiapo.
	19	09	33	14.9	6.111	S	152.360	E	33	N	4.7		0.9	24	NEW BRITAIN REGION, P.N.G.
	19	09	53	05.4	43.215	N	1.171	W	10	G			1.2	17	PYRENEES. ML 2.5 (LDG). mbLg 2.5 (MDD).
	19	09	59	50.7•	40.632	N	23.028	E	5	G			1.2	5	GREECE
	19	10	07	40.8	57.399	N	149.797	W	10	G	2.9		0.6	54	GULF OF ALASKA. ML 3.0 (AEIC).
	19	11	23	38.6	40.775	N	27.455	E	10	G			0.9	22	TURKEY. MD 3.3 (ISK).
	19	11	28	43.9%	34.057	S	70.153	W	10	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	19	12	02	08.4•	2.659	S	102.222	E	171		4.3		0.5	8	SOUTHERN SUMATERA, INDONESIA
	19	12	11	49.8•	20.026	N	38.927	E	10	G	4.4		0.7	11	RED SEA
	19	12	18	13.5%	33.610	S	71.115	W	67	?			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	19	12	20	51.1&	59.539	N	152.874	W	104		5.2			349	SOUTHERN ALASKA. <AEIC>. Felt (IV) at Homer, (II) at Port Graham and (I) at Eagle River.
	19	12	25	05.8?	31.67	S	179.85	W	424	?	4.2		1.5	13	KERMADEC ISLANDS REGION
	19	12	37	05.4•	15.291	N	93.882	W	87	•	3.8		0.8	11	NEAR COAST OF CHIAPAS, MEXICO
	19	12	46	28.0%	34.244	S	70.580	W	100	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	19	12	56	39.8%	40.389	S	173.210	E	209				0.4	29	COOK STRAIT, NEW ZEALAND
	19	12	56	56.2?	42.45	N	24.13	E	10	G			0.7	7	BULGARIA
	19	13	00	03.3?	23.45	S	175.02	W	36	D	4.9		1.5	11	TONGA ISLANDS REGION
	19	13	03	15.0?	26.65	S	29.31	E	5	G			0.8	5	REPUBLIC OF SOUTH AFRICA
	19	13	12	40.1?	60.64	N	5.86	E	10	G			0.1	4	SOUTHERN NORWAY. MD 1.6 (BER).
	19	13	39	53.8•	26.095	S	29.274	E	5	G			0.8	6	REPUBLIC OF SOUTH AFRICA. mbLg 3.3 (BUL).
	19	14	04	42.5?	37.47	S	175.82	E	261	?			0.5	12	NORTH ISLAND, NEW ZEALAND
	19	15	50	32.5•	31.576	S	70.123	W	130	G			0.6	14	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
o	19	15	53	52.8	12.147	N	95.082	E	25	D	5.4	5.0	1.0	243	ANDAMAN ISLANDS, INDIA. Mw 5.3 (HRV).
o	19	16	01	10.2	26.674	S	70.954	W	20	D	5.4	4.8	1.2	94	NEAR COAST OF NORTHERN CHILE. Mw 5.3 (HRV). Felt at Copiopa.
	19	16	25	22.6	0.409	N	126.262	E	33	N	5.0		1.1	51	NORTHERN MOLUCCA SEA
	19	16	26	43.7?	6.57	N	72.72	W	195	?	3.9		0.3	6	NORTHERN COLOMBIA
	19	16	34	16.6	26.890	S	26.678	E	5	G			0.8	10	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE). mbLg 3.1 (BUL).
	19	16	51	19.9	18.639	S	175.363	W	292	?	4.4		1.3	22	TONGA ISLANDS
	19	17	47	52.2	83.748	N	113.721	E	10	G	4.7		1.0	38	NORTH OF SEVERNAYA ZEMLYA
	19	18	21	33.8•	37.356	N	72.455	E	33	N	4.4		1.6	7	TAJIKISTAN
	19	18	23	50.6&	34.875	N	116.947	W	8					19	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS), 3.4 (GS). Felt (IV) at Daggett. Also felt at Barstow and Yermo.
	19	18	41	32.0	40.582	N	23.482	E	10	G			0.5	8	GREECE
	19	19	15	02.4•	50.457	N	18.924	E	10	G			1.3	8	POLAND. ML 3.4 (WAR).
	19	19	54	17.5	23.965	S	66.692	W	215		4.2		1.6	33	JUJUY PROVINCE, ARGENTINA
	19	20	05	20.5	41.931	N	46.693	E	67	•	4.5		1.5	45	EASTERN CAUCASUS
	19	20	09	57.3	26.360	S	27.398	E	5	G			1.1	13	REPUBLIC OF SOUTH AFRICA. ML 3.3 (PRE). mbLg 3.2 (BUL).
	19	22	11	52.9•	29.066	N	129.379	E	33	N	4.3		1.7	15	RYUKYU ISLANDS
	19	23	00	57.3%	39.344	N	20.462	E	10	G			0.7	7	GREECE-ALBANIA BORDER REGION
	19	23	16	35.3&	33.999	N	116.307	W	5					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	20	00	17	29.4	18.942	N	145.251	E	253	•	4.4		1.1	46	MARIANA ISLANDS
	20	01	02	46.0	36.078	N	141.587	E	34	D	5.1	4.9	1.1	135	NEAR EAST COAST OF HONSHU, JAPAN
	20	01	20	28.5•	36.101	N	141.890	E	33	N	4.4		1.2	15	NEAR EAST COAST OF HONSHU, JAPAN
	20	01	26	19.4%	34.350	S	70.591	W	100	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	20	02	29	28.8%	48.446	N	6.127	E	10	G			1.1	6	FRANCE. ML 1.8 (LDG).
	20	02	30	56.3?	21.58	N	143.85	E	260	?	4.2		1.0	13	MARIANA ISLANDS REGION
	20	02	44	37.4&	59.744	N	152.955	W	105					71	SOUTHERN ALASKA. <AEIC>.
	20	02	46	25.8%	33.634	S	71.949	W	10	G			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	20	05	02	25.1	42.870	N	18.338	E	10	G			0.5	14	NORTHWESTERN BALKAN REGION. MD 3.4 (LJU), 2.8 (TTG).
	20	05	14	06.5&	59.954	N	153.177	W	129					30	SOUTHERN ALASKA. <AEIC>.
	20	05	17	11.9	40.366	N	21.346	E	10	G			0.8	10	GREECE
	20	05	49	35.3	19.593	N	38.777	E	10	G	4.9	4.6	1.0	135	RED SEA. MD 4.5 (RYD).
	20	05	54	33.1?	23.20	S	176.64	W	259	?	4.1		1.2	11	SOUTH OF FIJI ISLANDS
	20	06	05	02.9•	19.567	N	38.814	E	10	G	4.7	5.0	1.1	45	RED SEA
	20	06	05	42.0?	32.46	S	71.61	W	31				0.5	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	20	06	06	10.9	39.718	N	23.411	E	10	G			0.8	11	AEGEAN SEA
	20	06	19	31.8•	26.377	N	142.559	E	33	N	4.9	5.0	1.6	16	BONIN ISLANDS REGION
a	20	06	30	25.9	9.763	N	57.858	E	10	G	5.1	4.9	1.3	94	CARLSBERG RIDGE. Mw 5.2 (HRV).
	20	06	51	48.1•	6.981	N	72.827	W	193	•	4.2		0.8	9	NORTHERN COLOMBIA
	20	06	56	55.3&	34.012	N	117.220	W	9					32	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS), 4.0 (BRK), 3.5 (GS). Felt (V) at Fontana; (IV) at Lama Lindo, Morch Air Force Base and Redlands; (III) at Blue Joy, Colton, Highland, Perris, Rialto, Riverside and Yucaipo.
	20	07	11	49.2&	59.917	N	153.229	W	127		2.7			59	SOUTHERN ALASKA. <AEIC>.
	20	07	57	43.4?	39.71	N	27.91	E	10	G			1.1	4	TURKEY. MD 2.8 (ISK).
	20	08	22	13.5	39.737	N	23.360	E	10	G			0.9	10	AEGEAN SEA
f	20	09	20	32.5	56.084	S	27.803	W	116	G	6.0		1.2	355	SOUTH SANDWICH ISLANDS REGION. Mw 6.3 (GS), 6.3 (HRV). Mo=7.6•10••18 Nm (PPT). Depth from broadband displacement seismograms.
	20	10	08	10.8	1.556	S	99.007	E	23	D	5.4	5.4	1.0	179	SOUTHERN SUMATERA, INDONESIA
	20	11	02	20.4	27.041	N	140.057	E	277	?	5.0		1.1	110	BONIN ISLANDS REGION
	20	11	13	25.5	16.834	N	94.645	W	119		4.6		1.2	49	OAXACA, MEXICO. Felt in the state of Oaxaca.
	20	11	21	39.5	53.545	N	166.049	W	33	N	5.0	4.3	1.0	127	FOX ISLANDS, ALEUTIAN ISLANDS
	20	11	51	05.3?	38.67	N	7.54	W	10	G			0.7	6	PORTUGAL. mbLg 2.9 (MDD).
	20	12	12	18.2•	11.748	N	143.183	E	33	N	4.6		1.2	17	SOUTH OF MARIANA ISLANDS
	20	12	17	57.4%	40.184	N	23.449	E	10	G			0.4	7	GREECE
	20	12	26	32.4%	42.753	N	19.155	E	10	G			0.2	9	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).

	20	12	38	19.2*	10.330	S	161.641	E	59	D	4.5	1.4	14	SOLOMON ISLANDS
	20	12	39	01.3?	15.55	N	119.84	E	33	N		1.6	7	LUZON, PHILIPPINE ISLANDS
	20	12	48	51.3%	39.243	N	27.731	E	10	G		0.8	5	TURKEY. MD 2.7 (ISK).
	20	12	59	58.9%	26.795	S	26.838	E	5	G		1.0	8	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	20	13	25	25.9%	44.459	S	167.648	E	7			0.5	18	SOUTH ISLAND, NEW ZEALAND
	20	14	27	29.1%	41.272	N	23.328	E	10	G		0.5	5	GREECE-BULGARIA BORDER REGION
	20	14	32	07.0?	40.42	N	28.05	E	10	G		0.4	4	TURKEY. MD 2.4 (ISK).
	20	14	33	57.7%	37.684	N	3.383	W	10	G		1.1	8	SPAIN. mbLg 2.3 (MDD).
	20	14	36	13.5%	44.497	S	167.579	E	10	G		0.8	12	SOUTH ISLAND, NEW ZEALAND. ML 3.8 (WEL).
	20	14	46	32.1	12.887	N	88.264	W	79	D	4.4	1.2	44	OFF COAST OF CENTRAL AMERICA. MD 4.5 (GCG), 4.2 (APY). Felt (II) at San Salvador, El Salvador.
f	20	14	51	59.7	29.084	N	87.333	E	12	G	5.8 6.0	1.1	482	XIZANG. Mw 6.2 (HRV). Ms 5.8 (BRK). Mo=4.1*10**18 Nm (PPT). At least two people killed, 3 seriously injured and damage in Ngamring County. Felt at Xigaze. Also felt at Kathmandu, Nepal. Depth from broadband displacement seismograms.
	20	15	32	21.7	43.897	N	7.209	E	10	G		0.3	13	NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN).
	20	15	56	30.3	43.893	N	7.193	E	10	G		0.2	10	NEAR SOUTH COAST OF FRANCE. ML 1.8 (GEN).
	20	16	01	26.2	41.168	N	22.022	E	10	G		0.7	10	NORTHWESTERN BALKAN REGION. ML 2.0 (SKO).
	20	16	38	36.7?	33.87	S	72.27	W	10	G		0.6	7	OFF COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	20	17	41	48.2	18.696	N	103.327	W	59	D	5.1	1.1	147	NEAR COAST OF MICHOACAN, MEXICO. Felt along the coast of Michoacan.
	20	18	19	27.7?	18.19	N	76.54	W	10	G		0.3	4	JAMAICA REGION. MD 2.4 (HOJ). Felt at Cherry Gardens.
	20	19	08	50.9	0.147	N	123.432	E	152	D	5.2	1.2	165	MINAHASSA PENINSULA, SULAWESI
	20	19	33	21.2*	43.226	N	10.840	E	10	G		0.6	8	CENTRAL ITALY
	20	19	44	11.6*	15.219	N	92.735	W	132	*	3.7	1.2	11	MEXICO-GUATEMALA BORDER REGION. MD 4.4 (GCG).
	20	19	44	45.1%	39.449	N	23.673	E	10	G		0.6	8	AEGEAN SEA
	20	20	23	04.8%	31.248	S	68.276	W	93	?		0.4	7	SAN JUAN PROVINCE, ARGENTINA
	20	20	48	26.9	43.259	N	10.890	E	10	G		1.3	76	CENTRAL ITALY. MD 3.6 (TRI), 3.4 (ROM). ML 3.2 (LDG).
	20	21	13	57.0*	14.620	S	167.184	E	33	N	4.1	0.8	13	VANUATU ISLANDS
	20	21	14	11.9%	31.330	S	68.466	W	110	?		0.7	7	SAN JUAN PROVINCE, ARGENTINA
	20	21	20	39.1%	39.493	N	23.659	E	10	G		0.6	7	AEGEAN SEA
a	20	21	26	39.4	28.994	N	87.383	E	21	D	5.0 4.6	1.1	127	XIZANG. Mw 5.2 (HRV). Felt at Xigaze.
	20	22	11	27.1*	25.266	S	179.835	E	533	?	4.6	1.1	34	SOUTH OF FIJI ISLANDS
	20	22	31	05.0?	34.78	S	68.03	W	28			1.1	25	MENDOZA PROVINCE, ARGENTINA. MD 4.7 (SAN).
	20	22	46	45.2*	1.190	N	122.874	E	33	N	4.6	1.4	9	MINAHASSA PENINSULA, SULAWESI
	20	23	20	24.2?	40.30	N	0.49	W	10	G		0.3	4	SPAIN
	20	23	21	51.0*	16.307	N	94.051	W	146	*	3.9	1.4	14	OAXACA, MEXICO
	20	23	30	18.5*	46.158	N	16.717	E	10	G		1.6	10	NORTHWESTERN BALKAN REGION
	20	23	32	35.1*	46.207	N	16.567	E	10	G		1.4	9	NORTHWESTERN BALKAN REGION. ML 2.7 (BRA), 2.6 (VIE), 2.0 (LJU)
	20	23	32	58.7	42.068	N	19.283	E	10	G		0.8	14	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG), 1.8 (TIR).
	20	23	51	51.9%	41.227	N	7.483	W	10	G		0.7	9	PORTUGAL. mbLg 3.0 (MDD).
	20	23	58	41.8?	15.90	N	95.70	W	10	G	3.3	1.4	11	NEAR COAST OF OAXACA, MEXICO
	21	00	13	38.2	38.601	N	72.567	E	52	*	4.6	0.9	47	TAJIKISTAN
	21	01	43	43.2?	11.00	S	163.96	E	33	N	4.2	1.2	6	SOLOMON ISLANDS
	21	03	05	43.5*	33.572	S	71.983	W	13			0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	21	03	10	31.2%	42.758	N	18.452	E	10	G		0.5	8	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
	21	03	42	20.7	38.722	N	26.497	E	5	G		0.5	16	AEGEAN SEA. MD 3.7 (ISK).
	21	03	48	56.4*	11.682	S	111.674	E	33	N	5.0	1.5	6	SOUTH OF JAWA, INDONESIA
	21	04	11	04.1?	55.28	N	168.05	E	33	N	4.2	1.2	16	KOMANDORSKY ISLANDS REGION
	21	04	31	07.7?	37.43	N	27.71	E	5	G		1.2	4	TURKEY
	21	04	56	20.8?	38.57	N	25.95	E	10	G		0.3	5	AEGEAN SEA. MD 3.5 (ISK).
	21	04	58	59.6*	43.385	N	10.705	E	10	G		0.4	7	CENTRAL ITALY. MD 3.2 (FIR). ML 2.8 (LDG).
f	21	05	04	59.1	18.042	S	178.528	W	589	G	6.1	0.9	564	FIJI ISLANDS REGION. Mw 6.3 (GS), 6.3 (HRV). mb 6.5 (BRK). Depth from broadband displacement seismograms.
	21	05	06	04.7*	38.689	N	26.472	E	10	G		0.7	8	AEGEAN SEA. MD 3.6 (ISK).
	21	07	32	23.1	22.218	S	67.485	W	175		5.0	1.5	33	CHILE-BOLIVIA BORDER REGION
	21	07	48	49.2	38.861	N	70.614	E	45	*	4.6 4.2	1.0	63	AFGHANISTAN-TAJIKISTAN BORD REG.
	21	08	04	51.1%	27.960	S	26.685	E	5	G		1.4	9	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
	21	08	07	15.2%	28.089	S	26.794	E	5	G		1.1	8	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
	21	08	13	31.6*	43.318	N	10.762	E	10	G		0.8	12	CENTRAL ITALY. MD 3.3 (FIR). ML 2.7 (LDG).
	21	08	17	37.5%	37.100	N	3.536	W	10	G		1.1	12	SPAIN. mbLg 2.9 (MDD).
	21	09	19	47.6*	6.170	S	142.252	E	33	N	4.4	1.4	8	NEW GUINEA, PAPUA NEW GUINEA
	21	09	55	24.8%	37.070	N	3.558	W	10	G		1.0	5	SPAIN. mbLg 2.9 (MDD).
	21	10	01	40.1	37.046	N	3.563	W	18		3.5	0.9	14	SPAIN. mbLg 3.3 (MDD).
	21	10	16	29.6?	15.86	N	93.46	W	115	?	3.3	0.9	5	NEAR COAST OF CHIAPAS, MEXICO
	21	11	12	20.8*	2.573	S	80.530	W	33	N	3.5	0.6	7	NEAR COAST OF ECUADOR
	21	12	29	31.6*	36.256	N	27.126	E	33	N		0.8	10	DODECANESE ISLANDS. MD 3.3 (ISK).
	21	12	36	52.2	43.246	N	10.828	E	10	G		0.5	10	CENTRAL ITALY
	21	12	47	14.7*	18.958	S	169.317	E	273	D	4.8	1.2	42	VANUATU ISLANDS
	21	12	50	26.8&	59.793	N	152.720	W	82		2.9		55	SOUTHERN ALASKA. <AEIC>.
	21	12	54	58.7%	26.369	S	27.454	E	5	G		0.7	10	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
	21	13	04	15.3	45.216	N	7.480	E	10	G		0.6	9	NORTHERN ITALY. ML 2.1 (GEN).
	21	14	25	30.4	44.385	N	7.290	E	14			0.5	11	NORTHERN ITALY. ML 2.1 (GEN), 1.9 (LDG).
	21	14	34	07.3	33.534	S	70.549	W	75	*		0.8	15	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
	21	14	37	05.8%	44.406	N	6.475	E	10	G		0.3	6	FRANCE. ML 1.8 (LDG).
	21	14	47	33.0?	35.97	S	179.23	E	187	?	4.9	1.2	13	OFF E. COAST OF N. ISLAND, N.Z.
	21	16	55	35.1	38.208	S	175.739	E	229	*		0.5	32	NORTH ISLAND, NEW ZEALAND
	21	17	09	39.0*	8.707	S	129.520	E	33	N	4.5	1.2	7	TIMOR SEA
	21	17	56	24.0	41.163	N	21.996	E	10	G		0.4	8	NORTHWESTERN BALKAN REGION. ML 1.7 (SKO).
	21	18	22	49.9*	17.977	S	168.015	E	17	*	4.9	1.3	71	VANUATU ISLANDS
	21	19	44	01.0%	44.851	N	6.704	E	10	G		0.1	5	FRANCE. ML 1.9 (GEN).
	21	19	48	27.9	26.388	S	27.363	E	5	G		0.8	10	REPUBLIC OF SOUTH AFRICA. ML 3.4 (PRE).
	21	20	23	07.3?	24.19	S	67.22	W	212	?		0.3	5	CHILE-ARGENTINA BORDER REGION
	21	20	29	59.1&	40.295	N	124.582	W	5	G			7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
	21	20	54	35.9	45.089	N	10.487	E	10	G		0.9	14	NORTHERN ITALY. ML 2.8 (VIE), 2.5 (LDG).
	21	21	06	52.8	43.640	N	16.824	E	10	G		0.9	25	NORTHWESTERN BALKAN REGION. MD 3.7 (TRI). ML 3.6 (TTG), 3.3 (VIE). Felt at Sinj, Imotski and Makarska, Croatia.
	21	21	50	09.5%	44.843	N	6.668	E	10	G		0.1	5	FRANCE. ML 1.8 (GEN).
	21	22	17	52.1%	40.432	N	28.042	E	10	G		0 4	8	TURKEY. MD 2.8 (ISK).
	21	22	37	23.4	26.371	S	27.479	E	5	G		0.9	6	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE). mbLg 3.0 (BUL).
	21	22	48	23.3?	5.68	S	148.10	E	203	*	4.1	1.3	7	NEW BRITAIN REGION, P.N.G.

	21	22	58	57.6%	44.107	N	8.722	E	10	G			0.5	7	NORTHERN ITALY. ML 2.0 (GEN).
	21	23	55	49.5	41.903	N	20.950	E	10	G			1.1	12	ALBANIA. ML 2.8 (SKO), 2.6 (TTG).
	22	01	20	19.7?	21.30	S	68.32	W	168	?	3.9		1.2	7	CHILE-BOLIVIA BORDER REGION
	22	02	27	52.7*	18.195	N	100.753	W	33	N	3.1		0.5	7	GUERRERO, MEXICO
	22	02	47	42.0	24.948	S	69.032	W	121	*	4.3		1.2	23	NORTHERN CHILE
	22	02	51	20.1&	40.602	N	124.847	W	2					8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	22	03	26	57.6?	44.70	N	6.84	E	10	G			0.3	7	FRANCE. ML 2.3 (STR).
	22	03	57	30.3&	58.917	N	153.279	W	78					38	KODIAK ISLAND REGION. <AEIC>
	22	04	27	03.0	44.486	N	6.932	E	11				0.5	27	FRANCE. ML 2.8 (LDG), 2.4 (GEN).
	22	04	37	56.1*	52.247	N	166.108	W	64	D	4.2		1.0	13	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
	22	04	38	37.7*	11.296	N	87.376	W	46	*	4.4		1.1	20	NEAR COAST OF NICARAGUA
	22	04	40	03.9?	17.77	N	65.55	W	10	G			0.5	5	PUERTO RICO REGION
	22	05	02	58.4?	28.71	S	176.78	W	112	?	4.6		0.1	5	KERMADEC ISLANDS REGION
	22	05	24	26.0*	25.222	N	142.355	E	33	N	4.3		1.2	11	VOLCANO ISLANDS REGION
	22	05	24	56.0	8.664	S	110.882	E	52	D	5.1		1.1	116	JAWA, INDONESIA
	22	05	37	56.3*	49.092	N	156.298	E	33	N	4.7		0.8	41	KURIL ISLANDS
	22	05	38	01.4	26.329	S	27.398	E	5	G			1.2	10	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE). mbLg 2.9 (BUL).
	22	06	52	23.8*	15.053	N	91.987	W	43	?	3.7		1.4	11	MEXICO-GUATEMALA BORDER REGION. MD 4.0 (GCG).
	22	07	21	39.1%	31.510	S	68.113	W	33	N			0.6	6	SAN JUAN PROVINCE, ARGENTINA
	22	09	05	00.0&	37.518	N	118.443	W	5	G				10	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.1 (BRK).
	22	09	08	31.4	49.120	N	156.308	E	33	N	4.7		1.2	37	KURIL ISLANDS
	22	09	10	07.7*	31.842	S	68.980	W	100	?			0.2	8	SAN JUAN PROVINCE, ARGENTINA
	22	09	25	31.0?	31.96	S	71.71	W	10	G			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	22	10	11	48.3	40.370	N	21.788	E	10	G			1.0	8	GREECE
	22	10	14	46.3?	5.39	S	147.34	E	216	*	4.5		0.9	11	EASTERN NEW GUINEA REG., P.N.G.
	22	10	40	42.3?	30.39	S	70.64	W	10	G			0.6	12	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN).
	22	10	44	02.9%	36.897	N	29.126	E	10	G			0.5	6	TURKEY. MD 3.4 (ISK).
a	22	11	03	43.5	34.697	N	34.402	E	32	D	5.4	5.0	1.1	381	CYPRUS REGION. Mw 5.4 (HRV). MD 5.1 (CSS). ML 4.9 (JER). Felt (IV) at Ayia Napa and (III) at Nicasia and Larnaca. Also felt at Afula, Haifa and Jerusalem, Israel.
	22	11	09	13.8?	59.96	N	4.44	E	10	G			0.1	5	SOUTHERN NORWAY. MD 2.3 (BER).
	22	11	53	38.3	40.184	S	174.762	E	29				0.5	19	COOK STRAIT, NEW ZEALAND. ML 3.7 (WEL).
	22	12	07	20.2?	19.76	N	64.48	W	10	G	3.7		0.2	6	VIRGIN ISLANDS
	22	12	56	13.8*	43.254	N	10.832	E	5	G			1.0	5	CENTRAL ITALY. MD 3.2 (FIR).
	22	13	08	16.9&	34.468	N	116.508	W	3					14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.2 (GS).
	22	13	23	53.2	48.276	N	8.054	E	10	G			0.7	8	GERMANY. ML 1.9 (STR).
a	22	13	58	36.9	45.313	N	150.337	E	46	D	5.5	4.9	0.8	340	KURIL ISLANDS. Mw 5.4 (HRV).
	22	14	15	37.8?	58.44	N	6.88	E	10	G			0.2	5	SOUTHERN NORWAY. MD 2.5 (BER).
	22	14	37	52.0&	59.685	N	153.576	W	120					44	SOUTHERN ALASKA. <AEIC>.
	22	15	41	42.7&	33.490	N	116.401	W	12					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 2.6 (GS). Felt.
	22	16	41	04.1%	33.142	S	70.285	W	10	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	22	17	46	16.5	39.000	S	174.768	E	286	*			0.4	23	NORTH ISLAND, NEW ZEALAND
	22	18	13	10.8&	63.126	N	150.891	W	131		3.2			71	CENTRAL ALASKA. <AEIC>. Felt (III) at Skwentna.
a	22	18	23	50.8	52.172	N	172.889	W	33	N	5.3	5.2	1.1	295	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.7 (HRV). Ms 5.1 (BRK). Felt (IV) on Adak and Atka.
	22	18	36	41.1	23.593	S	66.630	W	213		4.3		1.2	29	JUJUY PROVINCE, ARGENTINA
	22	18	40	30.2%	26.753	S	26.480	E	5	G			1.3	9	REPUBLIC OF SOUTH AFRICA. ML 3.6 (PRE).
	22	18	40	45.6	52.245	N	7.784	E	10	G			0.7	25	GERMANY. ML 3.8 (GRF), 3.7 (LDG), 3.6 (BNS). Felt at Ibbenburen, Westerkappeln, Mettingen, Recke and Georgs-Marienhutte.
	22	19	13	59.5	44.590	N	9.543	E	33	N			0.7	38	NORTHERN ITALY. ML 3.1 (LDG), 2.9 (VIE).
	22	19	46	57.7%	26.907	S	26.622	E	5	G			0.4	6	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	22	20	06	51.0	31.624	S	69.383	W	124				0.9	20	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN). Felt (III) at San Juan.
a	22	20	51	37.6	19.498	N	38.734	E	10	G	4.9	4.8	1.2	88	RED SEA. Mw 5.1 (HRV). MD 4.8 (RYD).
	22	21	17	11.3	43.438	N	5.467	E	5	G			0.6	17	NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR).
	22	21	27	57.4?	22.41	S	174.16	E	33	N	4.6		1.5	6	LOYALTY ISLANDS REGION
	22	21	30	57.4	16.911	N	61.278	W	33	N			0.5	9	LEEWARD ISLANDS. MD 3.0 (TRN). ML 2.8 (FDF).
	22	21	57	25.7*	21.663	N	143.279	E	313	?	4.3		1.0	21	MARIANA ISLANDS REGION
	22	22	25	54.3	40.760	N	19.886	E	10	G			1.0	14	ALBANIA. ML 2.9 (TIR).
	22	23	10	29.5*	51.276	N	15.732	E	5	G			1.0	12	POLAND. ML 3.6 (GRF), 3.4 (VIE).
	23	00	30	26.4?	38.02	N	20.83	E	10	G			1.5	7	GREECE. MD 3.0 (ATH).
a	23	00	59	32.7	19.590	N	38.693	E	10	G	5.2	5.0	1.2	190	RED SEA. Mw 5.2 (HRV). MD 5.1 (RYD).
a	23	01	18	44.8	5.772	S	148.676	E	132		5.4		0.8	103	NEW BRITAIN REGION, P.N.G. Mw 5.4 (HRV).
	23	01	26	15.0&	60.576	N	142.649	W	10					24	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.3 (PGC).
	23	02	52	13.2	49.163	N	6.895	E	10				0.7	17	GERMANY. ML 2.7 (STR). MD 2.7 (UCC).
	23	03	21	41.1	53.835	N	158.564	E	169		4.6		0.9	121	NEAR EAST COAST OF KAMCHATKA
	23	03	21	52.3	40.717	N	19.937	E	6				1.0	26	ALBANIA. MD 3.1 (ATH). ML 3.1 (TTG), 2.9 (TIR).
	23	03	56	47.6?	37.88	N	1.10	W	10	G			0.3	4	SPAIN
	23	04	05	22.0	19.523	N	38.704	E	10	G	4.8	4.7	1.0	53	RED SEA
	23	04	38	50.0?	45.59	N	26.45	E	10	G			0.3	4	ROMANIA
	23	06	49	19.1*	1.746	S	135.168	E	33	N	4.1		1.3	10	IRIAN JAYA REGION, INDONESIA
	23	07	28	37.1?	26.86	S	26.74	E	5	G			0.5	4	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	23	07	40	31.8*	33.604	N	2.269	W	10	G			1.1	22	MOROCCO. mbLg 4.4 (MDD).
	23	08	19	47.9?	28.65	S	67.36	W	141	?			0.4	7	LA RIOJA PROVINCE, ARGENTINA
	23	08	44	40.2*	35.227	N	2.647	W	19	*			0.5	7	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
	23	08	48	44.7	47.941	N	6.372	E	19				0.6	25	FRANCE. ML 3.3 (LDG), 2.6 (STR).
	23	08	49	25.8?	7.18	S	129.44	E	102	?	4.3		0.9	6	BANDA SEA
	23	08	51	26.8*	45.079	S	167.275	E	157	*			0.3	15	SOUTH ISLAND, NEW ZEALAND
	23	09	58	28.7*	34.918	N	2.378	W	49	?			0.7	18	MOROCCO. mbLg 3.2 (MDD).
	23	10	02	31.5?	35.11	N	2.09	W	10	G			0.9	9	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
	23	10	41	21.1	45.078	N	151.558	E	33	N	4.9	4.2	0.9	92	KURIL ISLANDS
	23	11	17	00.6?	35.21	N	2.39	W	10	G			0.8	13	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
	23	11	32	18.5*	1.604	S	135.497	E	33	N	4.9	4.2	1.5	14	IRIAN JAYA REGION, INDONESIA
	23	12	25	53.5	40.901	S	176.582	E	30				0.9	28	NORTH ISLAND, NEW ZEALAND. ML 3.8 (WEL).
	23	12	38	25.5&	61.358	N	147.411	W	20					48	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.3 (PMR).
	23	13	07	38.5*	10.226	N	69.688	W	10	G	3.6		0.7	6	VENEZUELA
	23	13	11	41.9?	11.21	N	61.79	W	33	N			0.9	4	WINDWARD ISLANDS. MD 3.0 (TRN).
	23	13	18	17.4	40.539	N	27.944	E	10	G			1 1	7	TURKEY. MD 2.8 (ISK).
	23	13	25	50.2%	40.140	N	29.389	E	10	G			0.6	6	TURKEY. MD 2.7 (ISK).
	23	14	47	28.1?	40.77	N	23.81	E	10	G			0.6	4	GREECE

23	15	25	19.4?	7.26	S	99.10	E	33	N	4.8	4.2	1.3	7	SOUTHWEST OF SUMATERA, INDONESIA
23	15	26	40.7?	6.72	S	130.33	E	133	?			1.1	6	BANDA SEA
23	15	34	10.1*	0.863	N	119.717	E	33	N	4.7	4.3	1.2	13	MINAHASSA PENINSULA, SULAWESI
23	15	42	42.4	4.519	S	151.829	E	167		5.0		0.9	38	NEW BRITAIN REGION, P.N.G.
23	17	21	41.4%	28.049	S	26.813	E	5	G			0.3	5	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
23	19	09	26.7?	44.47	N	6.83	E	10	G			0.1	4	FRANCE. ML 1.3 (GEN).
23	19	26	07.1&	36.170	N	118.022	W	0					10	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
23	19	55	21.7	43.404	N	5.460	E	6				0.6	17	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
23	20	43	08.0*	7.522	N	137.153	E	33	N	4.2	4.2	1.2	9	WESTERN CAROLINE ISLANDS
23	21	02	36.0	44.386	N	7.316	E	10	G			0.6	17	NORTHERN ITALY. ML 2.0 (GEN), 2.0 (LDG).
23	21	27	51.1	41.903	N	20.511	E	10				0.8	20	ALBANIA. ML 2.9 (TTG).
23	21	35	11.4	19.480	N	38.871	E	10	G	4.4		0.7	15	RED SEA. MD 4.1 (RYD).
23	22	11	41.4&	60.106	N	152.855	W	97					44	SOUTHERN ALASKA. <AEIC>.
23	22	12	03.4?	47.25	N	153.75	E	33	N	4.0		0.5	6	KURIL ISLANDS
23	22	26	22.4*	1.818	S	135.338	E	33	N	4.9	4.3	1.0	14	IRIAN JAYA REGION, INDONESIA
23	23	03	50.7	35.107	N	2.368	W	29	*			1.3	14	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD). Felt (III) on the Chofarinas Islands, Spain.
23	23	13	51.8	15.468	S	70.604	W	204		4.6		1.2	59	SOUTHERN PERU
23	23	35	44.0%	40.667	N	23.402	E	10	G			0.4	6	GREECE
23	23	39	15.0?	35.19	N	2.28	W	10	G			1.0	11	STRAIT OF GIBRALTAR
24	00	33	49.7	33.023	N	82.322	E	33	N	4.6		1.0	38	XIZANG
24	00	55	18.0%	46.568	N	2.394	E	10	G			0.4	9	FRANCE. ML 1.9 (LDG).
24	01	40	32.1*	7.078	S	129.005	E	33	N	5.2		1.1	13	BANDA SEA
24	02	32	03.5	35.391	N	104.195	W	5	G			0.9	8	NEW MEXICO. mbLg 3.0 (GS). MD 2.7 (SNM). Felt (II) at Cuervo and Newkirk.
24	02	40	14.9&	34.232	N	116.441	W	5					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS). Felt.
24	03	12	42.2&	66.206	N	140.596	W	10	G				24	NORTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 3.9 (AEIC), 3.1 (PGC).
24	03	18	34.9&	66.073	N	140.755	W	10	G				5	NORTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 2.9 (AEIC).
24	03	48	52.6*	38.877	N	26.123	E	10	G			0.7	10	AEGEAN SEA
24	04	16	35.9%	16.500	N	61.522	W	33	N			0.7	5	LEEWARD ISLANDS. ML 2.8 (FDF).
24	04	19	06.4*	51.134	N	15.795	E	10	G			0.3	5	POLAND
24	04	20	56.9*	45.078	S	167.360	E	131	?			0.4	15	SOUTH ISLAND, NEW ZEALAND
24	04	22	57.6	16.525	N	61.538	W	22	*			0.3	10	LEEWARD ISLANDS. MD 3.2 (TRN). ML 3.0 (FDF).
24	04	24	59.3%	16.513	N	61.547	W	21	?			0.2	7	LEEWARD ISLANDS. ML 2.9 (FDF).
24	04	26	55.6?	16.51	N	61.54	W	22	?			0.3	5	LEEWARD ISLANDS. ML 2.9 (FDF).
24	04	37	03.4?	16.52	N	61.55	W	21	?			0.5	5	LEEWARD ISLANDS. ML 2.4 (FDF).
24	05	25	53.1*	15.528	N	92.205	W	33	N			1.3	6	MEXICO-GUATEMALA BORDER REGION. MD 4.1 (GCG).
24	05	39	19.8?	51.12	N	15.84	E	10	G			1.9	4	POLAND. MG 3.3 (WAR).
24	05	42	27.2?	17.81	N	65.89	W	33	N			0.8	5	PUERTO RICO REGION
24	05	51	38.2?	17.36	S	74.10	W	10	G			0.3	6	OFF COAST OF PERU
24	06	11	27.4&	40.457	N	124.780	W	17					11	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.7 (BRK).
24	06	38	17.8?	14.49	N	94.69	W	37	?	3.8		0.8	10	OFF COAST OF CHIAPAS, MEXICO
24	07	13	51.2%	44.539	N	7.458	E	5	G			0.5	6	NORTHERN ITALY. ML 1.9 (GEN).
24	07	23	20.0?	37.11	S	177.37	E	225	?			0.7	14	OFF E. COAST OF N. ISLAND, N.Z.
24	07	28	52.2*	38.527	S	178.297	E	118	*			0.8	24	OFF E. COAST OF N. ISLAND, N.Z.
24	07	38	43.9?	31.26	S	68.79	W	100	G			0.3	6	SAN JUAN PROVINCE, ARGENTINA
24	08	06	35.3	39.912	N	21.520	E	10	G			1.2	9	GREECE
24	08	13	55.2%	44.109	N	6.872	E	5	G			0.2	6	FRANCE. ML 1.8 (GEN).
24	08	55	37.4*	2.659	S	140.307	E	33	N	4.8		1.1	24	NEAR NORTH COAST OF IRIAN JAYA
24	09	08	38.6%	37.120	N	3.701	W	10	G			1.0	8	SPAIN. mbLg 2.8 (MDD).
24	09	36	20.6*	31.554	S	67.215	W	162	*			0.7	6	SAN JUAN PROVINCE, ARGENTINA
24	09	37	16.2%	47.275	N	11.266	E	10	G			1.1	5	AUSTRIA. ML 1.1 (VIE).
24	09	59	39.8%	33.693	S	71.574	W	10	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
24	10	01	39.5*	32.612	S	67.073	W	110	G			1.0	7	MENDOZA PROVINCE, ARGENTINA
24	10	52	24.5?	19.73	N	77.59	W	33	N	3.5		0.1	5	CUBA REGION. MD 3.5 (HOJ).
24	11	18	17.7	16.440	N	98.651	W	33	N	4.6		1.0	51	NEAR COAST OF GUERRERO, MEXICO
24	11	35	54.8*	31.766	S	177.441	W	53	D	4.8		1.2	18	KERMADEC ISLANDS REGION
24	12	00	31.8&	60.410	N	153.210	W	133					36	SOUTHERN ALASKA. <AEIC>.
24	12	07	48.8%	26.410	S	27.387	E	5	G			0.4	5	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
24	13	19	18.3%	41.484	N	22.342	E	10	G			0.4	6	NORTHWESTERN BALKAN REGION
24	13	40	44.5?	35.13	N	28.72	E	33	N			0.1	4	EASTERN MEDITERRANEAN SEA. ML 3.7 (CSS).
24	14	01	08.8	42.462	N	24.206	E	10	G			0.5	7	BULGARIA
24	14	24	08.1*	20.024	N	93.308	E	33	N	4.3		0.3	6	MYANMAR
24	14	44	51.8*	37.894	N	21.202	E	10	G			1.3	14	SOUTHERN GREECE. MD 3.4 (ATH).
24	14	59	05.4%	16.514	N	61.543	W	19	*			0.2	8	LEEWARD ISLANDS. ML 2.9 (FDF).
24	15	14	16.7	40.491	S	175.906	E	112				0.7	32	NORTH ISLAND, NEW ZEALAND
24	15	33	49.8?	60.56	N	4.29	E	10	G			0.7	6	SOUTHERN NORWAY. MD 1.7 (BER).
24	16	05	50.6%	40.304	N	21.536	E	10	G			0.2	5	GREECE
24	16	53	33.6%	40.742	N	23.448	E	10	G			0.5	5	GREECE
24	17	06	10.2?	58.97	N	5.96	E	5	G			1.5	5	SOUTHERN NORWAY. MD 1.7 (BER).
24	17	09	31.5?	34.00	N	139.18	E	33	N	4.1		1.1	10	SOUTH OF HONSHU, JAPAN
24	18	37	10.7*	19.752	N	38.618	E	10	G	4.5		0.9	24	RED SEA
24	18	43	57.7	20.492	N	121.458	E	33	N	5.3	4.5	1.0	210	PHILIPPINE ISLANDS REGION. Felt (III RF) at Basco, Batan.
24	18	50	02.5	35.259	N	3.600	W	10	G			1.2	11	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
24	19	07	44.2	47.611	N	7.231	E	10	G			0.5	10	SWITZERLAND. ML 2.4 (LDG), 1.8 (STR).
24	19	13	36.9%	40.359	N	28.076	E	10	G			0.6	5	TURKEY. MD 2.7 (ISK).
24	19	45	13.8	27.933	S	66.818	W	173	D	4.5		1.2	58	CATAMARCA PROVINCE, ARGENTINA
24	19	58	49.2%	40.471	N	21.404	E	10	G			1.0	7	GREECE
24	20	27	33.0?	11.03	N	70.40	W	10	G			0.9	6	NEAR COAST OF VENEZUELA
24	20	40	42.5	46.212	N	15.426	E	10	G			0.4	8	NORTHWESTERN BALKAN REGION. MD 2.4 (LJU), 2.1 (TRI). ML 2.0 (VIE).
24	22	01	41.8	44.201	N	7.531	E	5	G			0.3	17	NORTHERN ITALY. ML 2.1 (GEN), 2.1 (LDG).
24	22	39	26.6%	16.531	N	61.537	W	10	G			0.9	5	LEEWARD ISLANDS. ML 2.2 (FDF).
24	22	40	39.6*	51.187	N	15.863	E	5	G			0.7	8	POLAND. ML 3.6 (GRF), 3.2 (VIE).
24	22	43	27.8	71.685	N	130.539	E	10	G	4.8	4.2	0.8	80	NEAR N. COAST OF EASTERN SIBERIA. Felt (V) at Tiksi, Russio.
24	22	45	44.7*	70.102	N	14.849	W	10	G	4.2		0.8	10	JAN MAYEN ISLAND REGION
24	22	59	53.4%	42.518	N	18.709	E	10	G			0.3	8	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
24	23	10	25.8?	39.17	N	29.53	E	10	G			0.6	4	TURKEY. MD 2.8 (ISK).
24	23	55	11.0*	14.064	N	91.965	W	86	*	4.4		1.5	20	GUATEMALA

	25	00 18 52.7%	15.374	N	122.576	E	33	N			1.2	5	PHILIPPINE ISLANDS REGION
	25	00 19 48.5?	15.73	N	98.99	W	10	G			1.0	7	OFF COAST OF GUERRERO, MEXICO
	25	01 10 20.2&	58.637	N	154.429	W	98		3.0			50	ALASKA PENINSULA. <AEIC>.
	25	01 50 14.9*	31.410	S	68.838	W	100	G			0.1	7	SAN JUAN PROVINCE, ARGENTINA
a	25	02 09 20.2*	49.888	S	114.991	W	10	G	4.9	5.2	1.2	30	SOUTHERN EAST PACIFIC RISE. Mw 5.5 (HRV).
	25	02 32 27.0&	37.860	N	122.263	W	8					8	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK). Felt at Berkeley.
	25	02 37 24.9&	37.853	N	122.262	W	9					8	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK). Felt at Berkeley.
	25	03 42 59.0	29.892	N	138.887	E	413	*	4.2		0.6	12	SOUTH OF HONSHU, JAPAN
	25	04 16 40.0	44.333	N	7.305	E	10	G			0.6	18	NORTHERN ITALY. ML 2.1 (GEN), 1.6 (LDG), 1.5 (STR).
	25	04 43 39.6?	39.07	N	24.12	E	10	G			0.4	6	AEGEAN SEA
	25	05 12 24.8	69.928	N	15.923	W	10	G	4.4	4.1	1.2	30	JAN MAYEN ISLAND REGION
	25	05 23 14.3	69.814	N	16.249	W	10	G	4.3	3.8	1.4	19	JAN MAYEN ISLAND REGION
	25	05 29 45.9%	40.302	N	29.414	E	33	N			1.1	6	TURKEY. MD 2.6 (ISK).
	25	05 42 41.4%	43.069	N	0.830	W	10	G			0.1	9	PYRENEES. ML 1.3 (STR).
	25	05 44 08.3	37.625	N	21.329	E	10	G	4.3	4.4	1.2	69	SOUTHERN GREECE. ML 4.0 (THE), 4.0 (TIR). MD 3.9 (ATH).
	25	05 54 09.6?	70.25	N	15.57	W	10	G	4.0		0.5	5	JAN MAYEN ISLAND REGION
	25	06 03 34.6	69.771	N	16.187	W	10	G	4.4	3.9	1.0	22	JAN MAYEN ISLAND REGION
	25	06 48 34.0*	8.086	S	74.448	W	159	*	4.8		0.9	16	PERU-BRAZIL BORDER REGION
	25	06 48 45.7	9.415	S	74.267	W	33	N	5.0		0.8	19	CENTRAL PERU
a	25	07 08 18.9	41.800	N	143.467	E	34	D	5.8	5.9	0.8	502	HOKKAIDO, JAPAN REGION. Mw 6.0 (HRV).
	25	09 22 56.1%	26.368	S	27.404	E	5	G			0.5	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	25	09 37 34.3*	7.161	S	129.640	E	137		4.4		0.7	14	BANDA SEA
	25	09 50 51.7*	6.658	N	72.903	W	183	?	3.8		1.0	10	NORTHERN COLOMBIA
	25	09 56 01.7*	8.452	S	119.815	E	147	*	4.9		1.1	13	FLORES REGION, INDONESIA
	25	09 58 38.8	43.433	N	5.465	E	5	G			0.6	17	NEAR SOUTH COAST OF FRANCE. ML 2.8 (STR).
	25	11 30 29.6%	43.431	N	5.472	E	5	G			0.5	9	NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR).
	25	11 41 28.4	41.640	N	143.751	E	47		4.3		0.8	21	HOKKAIDO, JAPAN REGION
a	25	12 28 03.8	36.013	N	71.110	E	94	D	5.3		1.0	295	AFGHANISTAN-TAJIKISTAN BORD REG. Mw 5.1 (HRV). Felt at Chitral and Peshawar, Pakistan.
	25	13 18 21.7%	26.209	S	28.161	E	5	G			0.8	5	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
a	25	13 34 35.4&	45.035	N	122.607	W	21		5.5	5.4		454	WASHINGTON-OREGON BORDER REGION. Mw 5.6 (HRV). <SEA-P>. ML 5.7 (SEA), 5.5 (BRK). Mo=1.6*10**17 Nm (BRK). Numeraus peaple were treated for minar injuries. Damage (VII) at Canby, Malalla, Maunt Angel and Newberg, Oregan. Slight damage (VI) at Amity, Aurora, Baring, Cascadia, Dayton, Danald, Dundee, Estacada, Grande Rande, Lake Oswega, Mill City, Mulina, Oregan City, Portland, Salem, Silvertan and West Linn, Oregan. Alsa damage ta several bridges in the McMinnville, Oregan area. Landslides were reported near Maunt Haad, Oregan. Felt (V) thraughaut a wide area of narthwestern Oregan including Brightwaad, Corvallis, Dallas, Detrait, Gavernment Camp, Gresham, Hillsbara, Idanha, Mill City, Milwaukie, Nehalem, Pacific City, Rainer and Sandy. Alsa felt (V) at Camas, Kalama and Underwaad, Washington. Felt sauth as far as Caas Bay, Oregan and north to Seattle, Wasthingtan.
	25	13 50 57.3*	29.525	S	71.292	W	33	N			1.2	15	NEAR COAST OF CENTRAL CHILE. Felt (III) at La Serena, Coquimbo, Vicuna, Ballenas and Ovalle.
	25	13 55 11.7&	45.054	N	122.629	W	14					4	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.2 (SEA).
	25	14 00 36.0&	45.047	N	122.631	W	20					3	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.2 (SEA).
	25	14 20 56.0&	45.027	N	122.603	W	20					67	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 3.0 (SEA). Felt in the epicentral area.
	25	14 58 05.0&	45.037	N	122.626	W	21					4	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.4 (SEA), 2.3 (GS).
	25	15 01 02.6%	47.384	N	11.736	E	10	G			0.7	5	AUSTRIA. ML 1.6 (VIE).
	25	15 35 12.2&	45.033	N	122.606	W	14					80	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 3.2 (SEA). Felt (IV) at Scatts Mills and (III) at Danald, Oregan. Felt in the epicentral area.
	25	15 47 23.6	38.414	N	21.965	E	10	G			1.2	10	GREECE. MD 3.0 (ATH).
	25	16 21 36.0%	26.379	S	27.381	E	10	G			0.8	6	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	25	16 28 56.1?	31.42	S	68.89	W	109	?			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	25	16 37 28.8?	30.98	S	68.26	W	33	N			1.4	5	SAN JUAN PROVINCE, ARGENTINA
	25	16 39 24.2?	34.94	S	71.14	W	110	G			0.4	6	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	25	16 43 10.3	38.085	N	38.540	E	20	*	4.4		1.0	58	TURKEY. Felt at Diyarbakir and Elazig.
	25	17 10 18.2	0.943	N	128.996	E	33	N	4.9		1.2	25	HALMAHERA, INDONESIA
o	25	17 15 59.7	1.118	N	129.140	E	20	D	5.1	4.5	1.1	80	HALMAHERA, INDONESIA. Mw 5.3 (HRV).
	25	17 37 17.4?	48.78	N	10.45	E	10	G			1.4	6	GERMANY. ML 2.2 (FUR).
	25	18 08 54.6&	45.020	N	122.600	W	6					4	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.2 (SEA).
	25	18 50 21.7?	8.94	S	128.38	E	217	?	4.9		1.2	5	TIMOR SEA
a	25	19 44 17.9	11.062	S	163.256	E	32	D	5.2	4.8	1.0	75	SOLOMON ISLANDS. Mw 5.4 (HRV).
	25	20 00 55.7%	44.388	N	7.316	E	10	G			0.5	5	NORTHERN ITALY. ML 1.5 (GEN).
	25	20 08 00.4&	45.041	N	122.635	W	18					4	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.0 (SEA).
	25	20 16 55.6	29.625	N	80.551	E	33	N	4.6		0.8	20	NEPAL-INDIA BORDER REGION. ML 4.2 (NDI).
	25	20 20 08.4*	23.693	S	70.475	W	70	*	4.5		1.4	19	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasto and (II) at Mejillones.
	25	20 31 50.6&	59.483	N	152.664	W	90					41	SOUTHERN ALASKA. <AEIC>.
	25	20 53 24.8	42.359	N	12.634	E	10	G			0.9	35	CENTRAL ITALY. MD 3.7 (TRI), 3.3 (FIR), 3.3 (ROM). ML 3.4 (LDG).
	25	21 03 59.7&	45.039	N	122.615	W	21					60	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.6 (SEA), 2.7 (GS).
	25	21 44 04.4	38.688	N	26.261	E	10	G			0.9	12	AEGEAN SEA
	25	22 32 14.9*	23.562	S	67.280	W	203	*	3.8		0.9	6	CHILE-ARGENTINA BORDER REGION
	25	22 35 34.7	24.099	S	66.947	W	199		4.6		1.3	38	SALTA PROVINCE, ARGENTINA
	25	23 13 03.1	20.702	S	178.988	W	654		5.1		0 9	68	FIJI ISLANDS REGION
	25	23 23 33.0?	36.77	S	177.53	E	160	G			0 2	5	OFF E. COAST OF N. ISLAND, N.Z.
	25	23 49 28.4%	26.381	S	27.322	E	5	G			0.9	5	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
	26	00 03 43.6	2.810	N	128.541	E	214	?	5.0		0.9	43	HALMAHERA, INDONESIA
	26	00 07 08.0%	33.787	S	70.606	W	10	G			0.8	6	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	26	00 22 02.6?	32.64	S	71.76	W	10	G			0.9	7	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).'
	26	00 28 07.2	33.424	S	69.988	W	10				1.3	18	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).

	26	00	50	11.8?	44.30	N	7.38	E	5	G		0.1	4	NORTHERN ITALY. ML 1.3 (GEN).
a	26	01	10	49.2	1.119	N	129.050	E	33	N	5.0 4.5	1.2	60	HALMAHERA, INDONESIA. Mw 5.2 (HRV).
	26	01	23	05.4*	43.238	N	21.044	E	10	G		1.0	12	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG).
	26	01	36	33.3&	34.270	N	118.556	W	9				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.7 (GS). Felt.
	26	01	36	47.3&	34.264	N	118.569	W	9				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt.
	26	01	38	04.2?	6.44	S	125.55	E	555	?	5.0	0.2	8	BANDA SEA
	26	02	49	20.1%	39.176	N	27.882	E	10	G		0.6	10	TURKEY. MD 3.1 (ISK).
	26	02	52	39.3*	45.811	N	14.785	E	10	G		0.4	5	NORTHWESTERN BALKAN REGION. MD 2.3 (LJU), 2.0 (TRI). ML 2.0 (VIE).
	26	04	29	42.5?	16.14	N	61.15	W	32	?		0.1	5	LEEWARD ISLANDS. ML 2.9 (FDF).
	26	04	35	15.0	44.528	N	114.236	W	5	G		0.7	15	WESTERN IDAHO. ML 3.3 (GS), 3.7 (BUT). Felt (III) at Challis and Clayton.
	26	05	04	33.4&	62.639	N	149.371	W	62				69	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
	26	05	14	06.8?	44.43	N	7.07	E	10	G		0.1	4	NORTHERN ITALY. ML 1.4 (GEN).
	26	05	18	26.1&	45.031	N	122.608	W	17				6	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.8 (SEA), 2.6 (GS).
	26	05	57	16.7?	22.38	S	69.53	W	33	N	3.9	1.1	5	NORTHERN CHILE
	26	06	57	39.1*	32.166	N	35.262	E	10	G		0.6	6	DEAD SEA REGION
	26	08	00	05.3&	45.034	N	122.616	W	17				7	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.8 (SEA), 2.7 (GS).
	26	08	24	00.2*	50.635	N	13.947	E	10	G		0.7	5	CZECH AND SLOVAK REPUBLICS
a	26	09	25	53.6	5.607	S	153.273	E	40		5.4 4.8	1.0	169	NEW IRELAND REGION, P.N.G. Mw 5.3 (HRV).
	26	09	41	04.8*	36.690	S	177.217	E	276	*	3.9	0.9	27	OFF E. COAST OF N. ISLAND, N.Z.
	26	09	52	48.5?	45.68	N	26.59	E	130	G		1.0	6	ROMANIA
	26	10	13	57.8*	24.048	N	121.789	E	33	N	4.2	1.2	10	TAIWAN
	26	10	26	15.1&	62.742	N	149.387	W	70				62	CENTRAL ALASKA. <AEIC>.
	26	11	23	21.0*	16.301	N	93.527	W	156	*	3.5	0.9	13	CHIAPAS, MEXICO
	26	11	45	14.2	37.604	N	21.423	E	10	G	4.6 4.3	1.4	134	SOUTHERN GREECE. ML 4.7 (TTG), 4.6 (ATH), 4.4 (THE). Felt in Akhaia, Arkadhia, Ilia, Messinia and Zakinthos Provinces.
	26	11	56	12.9	37.707	N	21.384	E	10	G	4.6	1.3	127	SOUTHERN GREECE. ML 4.6 (TTG), 4.2 (THE). Felt in Akhaia, Arkadhia, Ilia, Messinia and Zakinthos Provinces.
a	26	11	58	15.1	37.589	N	21.391	E	10	G	5.2 5.2	1.2	215	SOUTHERN GREECE. Mw 5.4 (HRV). ML 4.8 (ATH), 4.8 (THE). Two people were slightly injured and damage in the Pirgos-Amalias area. Felt in Akhaia, Arkadhia, Ilia, Messinia and Zakinthos Provinces.
	26	12	01	16.1*	37.603	N	21.958	E	10	G		1.3	6	SOUTHERN GREECE. MD 3.8 (ATH).
	26	12	19	14.1?	37.02	N	21.60	E	10	G		0.4	5	SOUTHERN GREECE
	26	12	26	31.0	37.624	N	21.348	E	10	G	4.4	1.1	32	SOUTHERN GREECE. ML 4.0 (THE), 3.9 (ATH).
	26	12	38	09.1*	37.807	N	21.617	E	10	G		0.9	13	SOUTHERN GREECE. ML 3.3 (ATH).
	26	12	46	33.7	37.692	N	21.407	E	10	G	3.6	0.8	11	SOUTHERN GREECE. ML 3.7 (THE), 3.6 (ATH).
	26	12	48	17.6*	24.260	S	67.319	W	188	*	4.8	1.3	14	CHILE-ARGENTINA BORDER REGION
	26	12	49	12.9	37.609	N	21.366	E	10	G	4.5	1.3	87	SOUTHERN GREECE. ML 4.3 (ATH), 4.3 (TTG), 4.2 (THE).
	26	13	15	19.8*	37.822	N	21.688	E	10	G		1.4	9	SOUTHERN GREECE. ML 3.5 (THE). MD 3.4 (ATH).
	26	13	30	47.9%	26.782	S	26.772	E	5	G		1.1	8	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	26	14	14	24.4?	26.14	S	28.13	E	10	G		1.0	4	REPUBLIC OF SOUTH AFRICA
	26	16	54	31.5&	45.036	N	122.617	W	14				68	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 3.0 (SEA), 3.0 (GS).
	26	17	22	42.6	14.812	S	167.436	E	147	*	4.9	0.9	47	VANUATU ISLANDS
	26	17	39	21.5&	45.048	N	122.633	W	21				16	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 3.1 (SEA), 3.1 (GS). Felt (IV) at Scotts Mills; (III) at Mount Angel and Portland; (II) at Silverton, Oregon.
	26	18	35	49.0*	5.844	S	148.346	E	128		4.5	1.1	18	NEW BRITAIN REGION, P.N.G.
	26	18	43	47.8&	45.056	N	122.626	W	17				5	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.4 (SEA), 2.5 (GS).
	26	18	50	53.6?	18.39	N	44.36	E	10	G	3.9	0.9	12	WESTERN ARABIAN PENINSULA. Felt at Jizon, Soudi Arabia.
	26	19	24	04.8%	39.119	N	27.825	E	10	G		0.6	11	TURKEY. MD 3.3 (ISK).
	26	19	37	36.1&	62.639	N	149.137	W	60				61	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
	26	20	11	24.9?	20.88	S	67.15	W	200	G		0.4	5	SOUTHERN BOLIVIA
	26	21	08	28.6?	39.19	N	27.93	E	10	G		0.7	5	TURKEY. MD 2.7 (ISK).
	26	21	26	10.3*	35.366	S	179.007	E	265	*	3.6	1.0	31	OFF E. COAST OF N. ISLAND, N.Z.
	26	21	37	05.0*	32.518	S	67.956	W	141	?		0.6	9	MENDOZA PROVINCE, ARGENTINA
	26	22	13	04.1*	37.506	N	21.199	E	10	G		0.7	5	SOUTHERN GREECE. MD 3.3 (ATH).
	26	22	23	56.1*	28.007	S	177.736	W	33	N	4.4	0.7	9	KERMADEC ISLANDS REGION
a	26	22	52	46.9	30.692	N	50.886	E	30	D	5.1 4.8	1.2	259	NORTHERN IRAN. Mw 5.1 (HRV). Considerable damage in Bovir Ahmadi vo Kohkiluyeh Province.
	26	23	42	56.8?	29.81	S	68.52	W	110	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	26	23	56	58.6*	36.640	N	71.015	E	227	?	4.5	1.3	11	AFGHANISTAN-TAJIKISTAN BORD REG.
	27	00	58	46.7?	20.98	S	179.37	E	601	?	4.6	1.3	13	SOUTH OF FIJI ISLANDS
	27	01	35	44.0*	37.674	N	21.337	E	10	G		1.0	6	SOUTHERN GREECE. MD 3.1 (ATH).
	27	01	46	17.2*	6.083	S	147.949	E	111	*	5.0	1.3	10	EASTERN NEW GUINEA REG., P.N.G.
	27	02	18	07.4	17.410	N	61.749	W	10	G		0.8	7	LEEWARD ISLANDS. MD 2.7 (TRN). ML 3.0 (FDF).
	27	03	55	08.5*	38.471	S	175.750	E	203	?		0.6	16	NORTH ISLAND, NEW ZEALAND
	27	04	00	03.3&	59.785	N	153.673	W	138				50	SOUTHERN ALASKA. <AEIC>.
	27	04	06	26.7	44.368	N	7.304	E	13			0.5	21	NORTHERN ITALY. ML 2.3 (LDG), 2.2 (GEN).
	27	04	14	05.1?	44.40	N	7.28	E	10	G		0.3	4	NORTHERN ITALY. ML 1.5 (GEN).
	27	05	16	05.0*	37.286	N	21.563	E	10	G		1.0	7	SOUTHERN GREECE. MD 3.2 (ATH). ML 3.1 (THE).
	27	05	40	32.8&	45.028	N	122.592	W	14				5	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.3 (SEA), 2.4 (GS).
	27	05	45	45.7	24.681	N	122.391	E	79	*	4.5	1.0	16	TAIWAN REGION
	27	06	06	02.5	33.565	S	68.156	W	10	G		0.7	18	MENDOZA PROVINCE, ARGENTINA. MD 4.4 (SAN).
	27	06	14	59.1*	1.195	N	126.894	E	134	?	5.1	1.0	16	NORTHERN MOLUCCA SEA
	27	06	16	45.8*	37.673	N	21.304	E	10	G		1.3	11	SOUTHERN GREECE. ML 3.4 (ATH), 3.2 (THE).
	27	06	30	46.1?	27.44	S	71.29	W	50	G		1.2	8	NEAR COAST OF NORTHERN CHILE
	27	06	48	52.3	44.621	N	114.415	W	5	G		0.7	13	WESTERN IDAHO. ML 3.3 (GS), 3.6 (BUT). Felt at Challis and Clayton.
	27	06	50	57.7	37.250	N	21.372	E	10	G	4.6	1.1	46	SOUTHERN GREECE. MD 3.9 (ATH).
	27	07	23	30.7*	0.872	N	125.412	E	25	D	4.9 4.2	1.2	15	NORTHERN MOLUCCA SEA
	27	07	24	12.6*	38.815	N	26.474	E	22	*		0.4	7	AEGEAN SEA. MD 3.2 (ATH).
	27	08	08	08.5*	19.013	S	122.784	E	10	G		1.2	5	WESTERN AUSTRALIA
	27	08	10	08.2?	37.43	N	21.50	E	10	G		1.1	8	SOUTHERN GREECE. ML 3.2 (THE).

	27	08	15	45.5%	39.026	N	27.336	E	10	G		1.0	11	TURKEY. MD 3.2 (ISK).
	27	08	19	54.3	39.186	N	27.969	E	33	N		0.8	25	TURKEY. MD 3.8 (ISK).
	27	09	03	51.8&	61.128	N	150.627	W	47				74	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR).
	27	09	05	26.2	32.580	N	141.572	E	33	N	4.8	0.9	29	SOUTH OF HONSHU, JAPAN
	27	09	16	59.4*	37.515	N	21.555	E	10	G	4.1	1.1	10	SOUTHERN GREECE. ML 3.6 (THE).
	27	09	22	53.8*	37.588	N	21.305	E	10	G	3.6	1.3	15	SOUTHERN GREECE. ML 3.6 (ATH), 3.5 (THE).
	27	09	35	08.0?	37.74	N	21.60	E	10	G		1.6	7	SOUTHERN GREECE. MD 3.3 (ATH). ML 3.1 (THE).
	27	09	42	59.1	24.680	N	95.100	E	115	D	5.0	0.9	168	MYANMAR
	27	11	08	01.1&	60.874	N	152.092	W	0				38	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	27	12	21	17.1	42.599	N	111.587	W	5	G		1.1	12	EASTERN IDAHO. ML 3.2 (GS).
	27	14	38	58.1&	45.041	N	122.613	W	20				48	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.7 (SEA), 2.7 (GS).
	27	14	41	04.0%	26.336	S	27.599	E	5	G		0.7	6	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	27	15	29	30.0%	26.388	S	27.481	E	5	G		0.2	5	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
	27	15	41	58.9*	41.595	N	22.671	E	10	G		0.5	9	NORTHWESTERN BALKAN REGION. ML 2.4 (THE).
	27	16	22	07.7*	37.598	N	21.306	E	10	G	3.5	1.4	9	SOUTHERN GREECE. ML 3.4 (ATH), 3.4 (THE).
	27	17	49	06.3*	14.254	N	92.686	W	55	*	4.7	1.3	18	NEAR COAST OF CHIAPAS, MEXICO
	27	18	15	37.8	2.273	N	127.126	E	60	*	5.1	0.8	31	NORTHERN MOLUCCA SEA
	27	18	21	45.8*	9.224	S	125.629	E	33	N		1.3	12	TIMOR REGION, INDONESIA
	27	19	33	58.4?	6.75	S	147.70	E	56	?	4.4	0.9	6	EASTERN NEW GUINEA REG., P.N.G.
	27	20	24	03.7	37.674	N	137.437	E	33	N	4.7	0.9	15	NEAR WEST COAST OF HONSHU, JAPAN
	27	20	50	38.5?	16.32	N	61.00	W	35	?		0.3	7	LEEWARD ISLANDS. ML 2.8 (FDF).
	27	22	03	21.8&	61.415	N	146.945	W	12				44	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	27	22	24	15.3&	45.033	N	122.618	W	15				5	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.2 (SEA), 2.3 (GS).
	27	22	38	54.5	39.559	N	20.550	E	10	G		0.6	8	GREECE-ALBANIA BORDER REGION. ML 2.6 (THE).
	27	22	47	28.8?	41.22	N	23.15	E	10	G		0.1	4	GREECE-BULGARIA BORDER REGION. ML 1.3 (THE).
	27	23	40	28.9*	45.121	S	167.201	E	112	*		0.3	15	SOUTH ISLAND, NEW ZEALAND
	27	23	47	08.7	41.207	N	23.207	E	10	G	4.0	1.1	39	GREECE-BULGARIA BORDER REGION. ML 4.2 (ATH), 3.9 (THE). Felt (IV) in southwestern Bulgaria.
	27	23	53	36.2?	41.43	N	23.01	E	10	G		0.8	4	GREECE-BULGARIA BORDER REGION. ML 1.5 (THE).
	27	23	54	23.0	41.230	N	23.156	E	10	G		0.4	8	GREECE-BULGARIA BORDER REGION. ML 2.6 (THE), 2.1 (SKO).
	27	23	54	45.5*	41.189	N	23.190	E	10	G		0.3	5	GREECE-BULGARIA BORDER REGION. ML 3.0 (THE), 2.5 (SKO).
	27	23	57	26.6?	41.21	N	23.16	E	10	G		0.2	4	GREECE-BULGARIA BORDER REGION. ML 1.9 (THE).
	28	00	02	35.7	21.918	S	176.827	W	210	D	4.9	1.0	80	FIJI ISLANDS REGION
	28	00	06	41.7	41.217	N	23.189	E	10	G		1.2	10	GREECE-BULGARIA BORDER REGION. MD 3.7 (ATH). ML 3.4 (TIR).
	28	00	52	39.5	42.208	N	25.502	E	10	G		1.3	10	BULGARIA
	28	01	16	12.0	32.936	N	123.723	E	33	N	4.7	1.2	58	OFF COAST OF EASTERN CHINA
	28	02	45	42.0?	35.69	N	20.90	E	10	G	3.2	1.4	4	CENTRAL MEDITERRANEAN SEA
	28	03	31	25.4*	37.621	N	21.261	E	10	G		0.6	8	SOUTHERN GREECE. MD 3.3 (ATH).
	28	04	03	25.4?	41.21	N	23.15	E	10	G		0.1	4	GREECE-BULGARIA BORDER REGION
	28	04	16	21.3	41.229	N	23.151	E	10	G		0.4	7	GREECE-BULGARIA BORDER REGION. ML 1.7 (SKO).
	28	04	24	15.9%	41.222	N	23.146	E	10	G		0.3	5	GREECE-BULGARIA BORDER REGION
	28	04	25	14.0%	41.203	N	23.151	E	10	G		0.1	5	GREECE-BULGARIA BORDER REGION
	28	04	27	07.4?	47.38	N	11.55	E	5	G		0.3	4	AUSTRIA. ML 1.8 (FUR), 1.5 (VIE).
	28	04	58	10.8*	37.626	N	21.523	E	10	G		1.3	10	SOUTHERN GREECE. MD 3.3 (ATH).
	28	05	22	56.0&	45.035	N	122.608	W	13				4	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 1.8 (SEA), 2.0 (GS).
	28	05	56	45.0*	7.163	S	147.245	E	10	G	4.1	1.0	5	EASTERN NEW GUINEA REG., P.N.G.
	28	06	20	30.3	47.330	N	11.534	E	10	G		0.4	7	AUSTRIA. ML 2.0 (FUR), 1.8 (VIE).
	28	06	22	52.1%	44.597	N	7.255	E	5	G		0.1	5	NORTHERN ITALY. ML 1.7 (GEN).
	28	06	37	35.1*	47.351	N	11.591	E	10	G		0.4	6	AUSTRIA. ML 1.9 (VIE).
	28	06	47	25.9&	66.373	N	149.709	W	30				39	NORTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 4.0 (PMR).
	28	07	15	09.5	47.360	N	11.577	E	10	G		0.5	9	AUSTRIA. ML 2.7 (FUR).
	28	07	34	24.1	40.571	N	119.389	W	5	G	3.4	1.0	26	NEVADA. ML 3.9 (GS), 3.8 (BRK). Felt (IV) at Gerlach. Felt (III) at Wendel, California.
	28	07	51	44.0*	31.642	N	141.742	E	33	N	4.5	1.2	9	SOUTH OF HONSHU, JAPAN
	28	09	07	10.8?	29.24	N	51.13	E	33	N	3.8	0.9	7	SOUTHERN IRAN
	28	09	37	02.0&	59.898	N	152.483	W	88		2.9		46	SOUTHERN ALASKA. <AEIC>.
	28	10	06	25.3*	36.686	N	71.066	E	166	?	4.1	0.8	12	AFGHANISTAN-TAJIKISTAN BORD REG.
	28	10	19	24.8	41.199	N	23.114	E	10	G		0.7	11	GREECE-BULGARIA BORDER REGION. ML 2.1 (SKO).
	28	10	32	48.2?	21.00	S	170.12	E	10	G	4.6	1.3	5	VANUATU ISLANDS
	28	10	33	16.0	41.207	N	23.146	E	10	G		0.3	6	GREECE-BULGARIA BORDER REGION. ML 1.4 (SKO).
	28	11	05	38.5*	9.738	S	129.190	E	219	*	4.1	0.7	7	TIMOR SEA
	28	11	25	05.3	47.365	N	11.618	E	10	G		0.9	11	AUSTRIA. ML 2.6 (FUR), 2.4 (VIE).
	28	11	41	43.0*	28.186	N	139.560	E	516	?	4.0	0.5	17	BONIN ISLANDS REGION
	28	11	47	31.4%	26.917	S	26.758	E	5	G		0.8	8	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
	28	12	09	49.0*	8.279	S	122.351	E	33	N		0.5	9	FLORES REGION, INDONESIA
	28	12	52	50.8%	41.186	N	23.130	E	10	G		0.2	5	GREECE-BULGARIA BORDER REGION
	28	13	33	53.1?	13.72	N	91.76	W	10	G	4.1	1.1	13	NEAR COAST OF GUATEMALA
	28	14	39	28.0*	47.681	N	150.202	E	33	N	4.4	0.8	15	KURIL ISLANDS
a	28	15	00	12.5?	25.01	S	176.45	W	33	N	5.3	1.3	8	SOUTH OF FIJI ISLANDS. Mw 5.3 (HRV).
	28	15	44	28.1*	10.461	S	164.273	E	33	N	4.0	0.4	6	SANTA CRUZ ISLANDS REGION
	28	15	58	12.7?	10.77	N	69.08	W	10	G		1.3	4	VENEZUELA
	28	16	47	08.8?	27.83	S	176.41	W	162	?	4.4	0.8	5	KERMADEC ISLANDS REGION
	28	16	47	17.5?	41.19	N	23.14	E	10	G		0.2	4	GREECE-BULGARIA BORDER REGION
a	28	17	16	50.8	13.114	S	175.001	E	33	N	5.4 5.2	1.0	97	FIJI ISLANDS REGION. Mw 5.5 (HRV).
	28	17	29	33.1	39.879	S	173.691	E	263	*		0.5	29	OFF W. COAST OF N. ISLAND, N.Z.
	28	17	39	05.5?	5.84	S	146.94	E	128	*	4.8	1.3	7	EASTERN NEW GUINEA REG., P.N.G.
	28	18	01	30.8	10.184	N	86.502	W	33	N	4.5 5.1	0.9	56	OFF COAST OF COSTA RICA
	28	18	22	29.5	45.127	S	167.156	E	33	N		0.4	18	SOUTH ISLAND, NEW ZEALAND. ML 4.3 (WEL).
	28	18	39	33.8*	36.990	S	176.924	E	261	*	4.5	0.9	35	OFF E. COAST OF N. ISLAND, N.Z.
	28	18	40	57.1	36.572	N	71.415	E	185	D	4.4	1.0	67	AFGHANISTAN-TAJIKISTAN BORD REG.
	28	19	21	35.9%	39.930	N	20.413	E	10	G		1.1	6	GREECE-ALBANIA BORDER REGION
	28	19	28	36.2%	45.792	N	7.261	E	10	G		0.3	7	NORTHERN ITALY. ML 2.0 (GEN).
	28	20	21	45.6?	7.22	N	82.52	W	10	G		0.5	4	SOUTH OF PANAMA. MD 3.7 (UPA).
	28	21	06	56.4?	37.61	S	176.12	E	239	?		0.5	17	NORTH ISLAND, NEW ZEALAND
	28	21	27	55.5%	39.217	N	27.852	E	10	G		0.6	6	TURKEY. MD 2.7 (ISK).
	28	22	52	39.1	61.803	N	150.018	W	58		4.4	1.0	115	SOUTHERN ALASKA. ML 4.5 (PMR), 4.4 (AEIC). Felt (IV) at Palmer and Wasilla; (III) at Chugiak, Eagle River and Willow; (II) at Anchorage.
	28	22	57	02.8	37.277	N	21.615	E	10	G		1.4	23	SOUTHERN GREECE. ML 3.5 (ATH), 3.5 (THE).

	28	23	01	27.3&	61.795	N	150.023	W	37				59	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.5 (PMR).
	29	00	04	58.6?	41.19	N	23.14	E	10	G		0.2	4	GREECE-BULGARIA BORDER REGION. ML 1.7 (THE).
	29	00	06	11.6%	41.226	N	23.164	E	10	G		0.4	6	GREECE-BULGARIA BORDER REGION. ML 2.2 (THE).
	29	00	06	41.7%	41.190	N	23.161	E	10	G		0.4	10	GREECE-BULGARIA BORDER REGION. ML 3.4 (THE).
	29	00	08	24.1%	41.210	N	23.119	E	10	G		0.7	5	GREECE-BULGARIA BORDER REGION. ML 2.2 (THE).
	29	00	09	50.1%	41.208	N	23.145	E	10	G		0.2	5	GREECE-BULGARIA BORDER REGION. ML 2.4 (THE).
	29	00	14	41.7%	41.207	N	23.154	E	10	G		0.2	5	GREECE-BULGARIA BORDER REGION. ML 2.0 (THE).
	29	00	14	57.1?	41.20	N	23.15	E	10	G		0.2	4	GREECE-BULGARIA BORDER REGION. ML 2.5 (THE).
	29	00	15	55.1?	41.15	N	23.08	E	10	G		0.2	4	GREECE-BULGARIA BORDER REGION
	29	00	16	11.2%	41.159	N	23.101	E	10	G		0.2	5	GREECE-BULGARIA BORDER REGION
	29	00	16	17.5?	41.18	N	23.13	E	10	G		0.4	4	GREECE-BULGARIA BORDER REGION
	29	00	17	05.1%	41.190	N	23.138	E	10	G		0.2	5	GREECE-BULGARIA BORDER REGION
	29	00	17	32.5%	41.204	N	23.129	E	10	G		0.3	5	GREECE-BULGARIA BORDER REGION
	29	00	19	30.7?	18.34	N	67.18	W	33	N		0.7	7	MONA PASSAGE
	29	00	22	32.5?	37.00	N	2.39	W	10	G		0.6	4	STRAIT OF GIBRALTAR
	29	00	24	12.3%	41.202	N	23.137	E	10	G		0.3	5	GREECE-BULGARIA BORDER REGION
	29	00	25	23.6%	41.190	N	23.135	E	10	G		0.2	5	GREECE-BULGARIA BORDER REGION
	29	00	26	40.5?	41.15	N	23.12	E	10	G		1.1	4	GREECE-BULGARIA BORDER REGION
	29	00	41	36.0	41.210	N	23.124	E	10	G		0.6	12	GREECE-BULGARIA BORDER REGION. ML 1.9 (SKO).
	29	00	45	16.3?	41.20	N	23.14	E	10	G		0.2	4	GREECE-BULGARIA BORDER REGION
	29	00	52	38.8?	42.34	N	25.96	E	10	G		1.3	7	BULGARIA
a	29	00	53	49.2	21.898	S	179.215	W	586	D	5.3	0.9	258	FIJI ISLANDS REGION. Mw 5.3 (HRV).
	29	00	58	19.1	42.627	N	45.336	E	10	G	4.4	1.2	23	EASTERN CAUCASUS
	29	01	00	00.3%	41.301	N	23.143	E	10	G		0.8	6	GREECE-BULGARIA BORDER REGION
	29	01	10	49.2*	37.682	N	21.423	E	10	G	3.4	1.3	6	SOUTHERN GREECE. ML 3.2 (ATH).
	29	01	17	29.1	21.868	N	103.099	E	33	N	4.6 4.1	1.0	56	SOUTHEAST ASIA
	29	01	19	49.7*	37.551	N	21.049	E	10	G		1.2	5	SOUTHERN GREECE. ML 3.1 (ATH).
	29	01	38	44.2	44.322	N	114.755	W	5	G		0.8	11	WESTERN IDAHO. ML 3.2 (BUT).
	29	02	02	48.6*	37.665	N	21.327	E	10	G		0.4	6	SOUTHERN GREECE. ML 3.2 (ATH).
	29	02	03	05.2	15.982	N	60.183	W	10	G	4.1	1.1	23	LEEWARD ISLANDS. MD 3.9 (TRN). ML 4.0 (FDF).
	29	02	07	03.0%	41.205	N	23.146	E	10	G		0.3	5	GREECE-BULGARIA BORDER REGION
	29	02	23	29.2*	37.596	N	21.289	E	10	G	3.4	1.3	12	SOUTHERN GREECE. ML 3.4 (ATH).
	29	02	32	28.0*	13.397	N	120.312	E	33	N	4.4	1.2	9	MINDORO, PHILIPPINE ISLANDS
	29	03	27	05.1	37.103	N	21.126	E	10	G	4.0	0.9	22	SOUTHERN GREECE. ML 3.5 (ATH).
	29	03	37	58.0?	28.38	N	33.31	E	11	*	3.8	1.3	10	EGYPT. MD 4.0 (HLW).
a	29	03	50	53.1	13.387	N	120.484	E	58		5.6	1.1	253	MINDORO, PHILIPPINE ISLANDS. Mw 5.9 (HRV). Felt in the Manila area, Luzan.
	29	03	57	42.3%	33.767	S	71.280	W	33	N		0.4	7	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	29	04	01	30.7%	42.396	N	19.285	E	10	G		0.8	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	29	04	17	39.8	13.303	N	120.420	E	98		4.6	0.9	49	MINDORO, PHILIPPINE ISLANDS. Felt (II RF) at Puerto Galera.
	29	05	18	29.9	42.593	N	10.720	E	10	G		0.9	10	CENTRAL ITALY. ML 2.8 (LDG).
	29	05	28	12.6%	15.927	N	60.369	W	21			0.6	9	LEEWARD ISLANDS. ML 3.1 (FDF).
	29	05	44	00.9?	36.09	N	20.27	E	10	G		1.2	5	CENTRAL MEDITERRANEAN SEA. MD 3.7 (ATH).
	29	05	45	15.8	27.700	N	102.821	E	33	N	4.2	1.3	14	SICHUAN, CHINA
	29	05	56	57.5%	43.404	N	5.453	E	10	G		0.7	8	NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR).
	29	05	57	43.6	37.642	N	21.325	E	10	G	4.1	1.2	35	SOUTHERN GREECE. ML 4.0 (TIR). MD 3.9 (ATH).
	29	06	02	46.5%	44.345	N	7.313	E	10	G		0.3	7	NORTHERN ITALY. ML 1.8 (GEN).
a	29	06	05	49.1	14.934	S	167.257	E	113	D	5.3	1.1	151	VANUATU ISLANDS. Mw 5.3 (HRV).
a	29	06	57	19.5	53.039	S	27.396	E	10	G	5.9 5.3	1.1	278	SOUTH OF AFRICA. Mw 5.7 (HRV).
	29	07	04	57.1&	61.790	N	150.010	W	42				39	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	29	07	31	48.5	13.330	N	120.408	E	57		4.9 4.7	1.0	85	MINDORO, PHILIPPINE ISLANDS. Felt (II RF) at Puerto Galera.
	29	08	25	45.4	24.950	S	179.886	E	511	D	5.2	1.0	97	SOUTH OF FIJI ISLANDS
	29	08	37	56.5?	37.53	N	2.31	W	10	G		1.4	4	SPAIN. mbLg 2.6 (MDD).
	29	09	17	04.2	31.281	S	68.906	W	103	*		1.2	19	SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN).
	29	10	01	22.9?	36.73	S	177.53	E	259	?		0.6	13	OFF E. COAST OF N. ISLAND, N.Z.
	29	10	13	33.7	11.045	N	61.818	W	54	?		0.7	26	WINDWARD ISLANDS. MD 3.8 (TRN).
	29	10	49	03.5	46.950	N	9.275	E	10	G		0.5	13	SWITZERLAND. ML 2.5 (LDG), 2.5 (VIE).
	29	11	44	36.2*	50.445	N	18.922	E	10	G		1.0	8	POLAND. ML 4.1 (WAR).
	29	11	57	06.0	37.673	N	21.389	E	10	G		1.0	14	SOUTHERN GREECE. ML 3.5 (ATH).
	29	12	40	45.1%	43.441	N	5.465	E	5	G		0.6	10	NEAR SOUTH COAST OF FRANCE. ML 2.8 (STR).
	29	13	02	15.0?	4.89	S	144.68	E	73	?	4.1	1.7	6	NEAR N COAST OF NEW GUINEA, PNG.
	29	13	11	48.6	37.657	N	21.365	E	10	G		0.4	11	SOUTHERN GREECE. ML 3.6 (ATH), 3.5 (THE).
	29	13	40	59.4	49.179	N	6.930	E	10	G		0.7	29	GERMANY. ML 2.9 (BNS), 2.8 (STR). mbLg 2.7 (UCC).
	29	14	04	14.1&	34.955	N	116.779	W	1				11	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	29	14	14	09.1&	61.790	N	150.029	W	39		3.6		74	SOUTHERN ALASKA. <AEIC>. ML 3.9 (AEIC), 3.9 (PMR). Felt (III) at Palmer.
	29	14	27	16.1?	39.15	N	27.41	E	10	G		0.4	4	TURKEY. MD 2.8 (ISK).
	29	14	34	00.1?	1.69	N	125.13	E	133	?	4.6	0.7	6	NORTHERN MOLUCCA SEA
	29	15	13	08.9?	6.74	S	147.29	E	10	G	3.3	0.8	5	EASTERN NEW GUINEA REG., P.N.G.
a	29	15	20	38.6	27.978	N	52.754	E	27	D	5.0 4.8	1.2	223	SOUTHERN IRAN. Mw 5.2 (HRV). Same damage in the Khanj area.
	29	15	32	40.5	28.070	N	52.685	E	40	G	4.3	0.9	19	SOUTHERN IRAN
	29	15	37	21.1&	36.550	N	89.580	W	10				15	NEW MADRID, MISSOURI REGION. <SLM-P>. MD 2.7 (SLM), 2.5 (TEIC). mbLg 2.4 (GS). Felt at Catron.
	29	15	57	21.2	44.403	N	7.284	E	13			0.3	17	NORTHERN ITALY. ML 2.2 (GEN).
	29	17	50	58.2?	47.26	N	11.45	E	10	G		0.2	4	AUSTRIA. ML 1.3 (VIE).
	29	18	06	33.5	38.991	N	26.343	E	17		3.9	0.8	49	AEGEAN SEA. ML 3.9 (ATH), 3.8 (THE). MD 4.0 (ISK). Felt at Izmir, Turkey.
	29	18	26	45.0	38.963	N	26.266	E	10	G		0.6	12	AEGEAN SEA. ML 3.4 (THE). MD 3.4 (ISK).
	29	18	59	31.1%	61.350	N	5.609	E	10	G		0.7	5	SOUTHERN NORWAY. MD 1.3 (BER).
	29	19	05	31.6*	5.835	S	145.313	E	100	*		0.6	10	EASTERN NEW GUINEA REG., P.N.G.
	29	19	13	45.0	42.618	N	23.200	E	5	G		0.6	10	BULGARIA
	29	19	33	18.3	36.368	N	117.789	W	5	G		0.8	25	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (GS), 3.8 (BRK). Felt (III) at Lone Pine, Califarnia.
	29	19	52	17.6?	17.23	N	62.45	W	10	G		0.5	7	LEEWARD ISLANDS. ML 3.1 (FDF).
	29	20	15	02.3&	36.667	N	121.283	W	2				8	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM).
	29	20	15	39.9*	38.611	N	21.720	E	10	G		0.8	11	GREECE. ML 3.0 (THE).
	29	20	23	57.3*	1.063	N	127.005	E	67	*	4.7	1.0	9	HALMAHERA, INDONESIA
	29	20	59	52.3&	59.842	N	152.813	W	86				42	SOUTHERN ALASKA. <AEIC>.
	29	21	15	26.5&	61.413	N	149.120	W	40				56	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 2.6 (PMR).
	29	21	39	40.6?	5.81	S	146.92	E	183	?	4.5	0.8	6	EASTERN NEW GUINEA REG., P.N.G.

	29	22	29	35.5?	34.59	S	70.50	W	120	G		0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	29	22	47	18.2	37.673	N	21.298	E	10	G	4.2	1.2	69	SOUTHERN GREECE. ML 4.1 (TTG), 4.0 (TIR), 3.9 (ATH), 3.9 (THE).
	29	23	45	45.5	44.864	N	7.636	E	25			0.7	17	NORTHERN ITALY. ML 2.3 (GEN), 1.9 (LDG).
	30	00	07	30.4*	36.548	N	70.842	E	185	*	4.6	0.9	14	HINDU KUSH REGION, AFGHANISTAN
	30	00	09	50.8	44.577	N	111.185	W	5	G		0.6	13	HEBGEN LAKE REGION. ML 3.4 (BUT).
	30	00	33	29.4	49.181	N	6.916	E	8			0.7	39	GERMANY. ML 3.3 (STR), 3.1 (GRF), 2.9 (BNS).
	30	01	10	26.5?	17.91	N	66.11	W	33	N		0.8	5	PUERTO RICO REGION
	30	01	22	24.8*	17.439	N	61.161	W	10	G		0.4	8	LEEWARD ISLANDS. MD 3.2 (TRN). ML 3.3 (FDF).
	30	01	31	38.6	16.058	S	173.990	W	136	D	4.6	0.7	35	TONGA ISLANDS
	30	01	48	08.8?	47.25	N	11.46	E	5	G		0.1	4	AUSTRIA. ML 0.9 (VIE).
	30	02	42	37.0?	29.57	S	69.40	W	130	G		0.2	6	CHILE-ARGENTINA BORDER REGION
	30	02	59	25.3	37.633	N	21.372	E	10	G	3.6	1.2	17	SOUTHERN GREECE. ML 3.6 (ATH), 3.6 (THE).
	30	03	31	54.4?	39.71	N	27.59	E	10	G		0.4	4	TURKEY. MD 2.6 (ISK).
	30	03	50	54.7?	37.19	N	21.45	E	10	G		0.9	6	SOUTHERN GREECE. ML 3.1 (THE).
	30	03	55	26.6*	30.715	S	179.521	W	33	N	4.8	1.0	10	KERMADEC ISLANDS REGION
	30	03	58	54.1	37.690	N	21.571	E	10			1.0	13	SOUTHERN GREECE. ML 3.4 (ATH), 3.2 (THE).
	30	04	03	32.4?	30.88	S	117.18	E	10	G		0.7	4	WESTERN AUSTRALIA
	30	04	24	13.0	37.635	N	21.327	E	60	*	3.8	1.1	37	SOUTHERN GREECE. MD 3.7 (ATH).
	30	05	03	01.0%	44.422	N	7.220	E	10	G		0.1	5	NORTHERN ITALY. ML 1.6 (GEN).
a	30	05	23	57.9	22.089	S	67.325	W	184	D	5.3	1.0	221	CHILE-BOLIVIA BORDER REGION. Mw 5.8 (HRV). Felt (III) at Antofagasta and Taltal, Chile.
	30	07	00	49.0	42.917	N	1.321	W	10	G		0.4	19	PYRENEES. ML 3.1 (LDG). mbLg 3.0 (MDD).
	30	07	18	41.8?	15.74	N	96.76	W	33	N		0.4	5	NEAR COAST OF OAXACA, MEXICO
	30	07	36	05.3?	38.11	N	28.90	E	10	G		1.6	4	TURKEY. MD 3.3 (ISK).
	30	07	41	52.6	5.773	S	151.830	E	39	*	4.9	0.9	19	NEW BRITAIN REGION, P.N.G.
	30	08	53	53.4%	40.599	N	23.870	E	10	G		0.3	5	GREECE
	30	08	56	23.6?	40.51	N	23.77	E	10	G		0.1	4	GREECE
	30	08	58	22.5&	61.315	N	152.322	W	127		3.2		79	SOUTHERN ALASKA. <AEIC>.
	30	09	36	20.9?	39.18	N	27.13	E	10	G		0.6	4	TURKEY. MD 2.7 (ISK).
	30	10	02	12.0%	40.369	N	21.627	E	10	G		0.3	5	GREECE
	30	10	24	51.2	37.200	N	21.350	E	10	G	3.7	1.0	29	SOUTHERN GREECE. ML 3.9 (THE), 3.7 (ATH).
	30	10	43	06.6	37.641	N	21.370	E	10	G	3.5	0.8	23	SOUTHERN GREECE. ML 3.7 (THE), 3.5 (ATH).
	30	12	13	42.4?	25.96	S	179.09	W	457	?	4.6	1.0	10	SOUTH OF FIJI ISLANDS
	30	12	28	02.2	9.975	S	113.763	E	33	N	4.8	0.8	13	SOUTH OF JAWA, INDONESIA
	30	12	50	38.7?	6.46	S	132.24	E	33	N		1.0	4	TANIMBAR ISLANDS REG., INDONESIA
	30	12	58	12.9	41.218	N	23.133	E	10	G		0.8	11	GREECE-BULGARIA BORDER REGION. ML 1.4 (SKO).
	30	13	00	24.3*	37.430	N	21.171	E	10	G		1.5	5	SOUTHERN GREECE. ML 3.3 (ATH).
	30	13	25	36.6%	27.841	S	26.691	E	5	G		0.4	8	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	30	13	30	54.5?	14.79	N	59.13	W	31	*	3.8	0.5	11	WINDWARD ISLANDS. ML 3.5 (FDF).
	30	13	57	09.1	21.883	N	103.074	E	33	N	4.4	1.4	35	SOUTHEAST ASIA
	30	15	02	31.8%	39.735	N	22.994	E	10	G		0.7	6	GREECE
	30	15	22	40.2*	49.237	N	6.980	E	10	G		1.0	5	GERMANY. ML 1.8 (UCC).
	30	15	28	13.3&	60.921	N	149.961	W	48				67	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
	30	15	33	34.3%	26.191	S	27.819	E	5	G		1.0	7	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
	30	15	58	34.3%	45.969	N	2.970	E	10	G		0.4	9	FRANCE. ML 2.3 (LDG).
	30	16	15	06.3	44.541	N	18.101	E	10	G		0.6	12	NORTHWESTERN BALKAN REGION. MD 3.2 (LJU). ML 2.9 (TTG).
	30	16	17	32.5	37.675	N	21.364	E	10	G	3.7	0.7	24	SOUTHERN GREECE. ML 3.7 (THE), 3.5 (ATH).
	30	17	20	27.9?	47.14	N	11.05	E	10	G		0.2	5	AUSTRIA. ML 1.3 (VIE).
	30	17	22	06.8%	26.390	S	27.502	E	5	G		0.6	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	30	18	34	52.3	43.789	N	128.178	W	10	G	3.1	0.4	54	OFF COAST OF OREGON
	30	18	46	45.6?	51.34	N	16.12	E	10	G		0.2	5	POLAND
	30	18	51	19.6*	32.157	S	177.545	W	10	G	4.4	1.0	12	SOUTH OF KERMADEC ISLANDS
	30	18	52	53.3	58.111	N	163.821	E	33	N	4.7	0.9	65	KAMCHATKA
	30	19	08	57.2	37.724	N	21.362	E	10	G	4.2	1.2	70	SOUTHERN GREECE. ML 4.2 (TTG), 4.1 (ATH), 4.0 (THE), 3.8 (TIR).
	30	19	32	14.7	44.475	N	7.285	E	11			0.5	20	NORTHERN ITALY. ML 2.2 (LDG), 2.1 (GEN).
	30	20	12	53.1?	16.45	S	167.87	E	10	G	4.7	1.1	5	VANUATU ISLANDS
	30	21	02	40.9*	43.615	N	148.150	E	33	N	3.9	0.9	9	EAST OF KURIL ISLANDS
	30	21	23	00.4?	34.97	S	71.12	W	100	G		0.2	7	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	30	21	31	33.8*	18.598	S	176.425	W	341	*	4.8	0.8	18	FIJI ISLANDS REGION
	30	21	43	21.1	42.994	N	145.320	E	94		5.0	0.8	159	HOKKAIDO, JAPAN REGION
	30	22	25	22.1	38.379	N	45.047	E	45	*	4.5	1.2	53	ARMENIA-AZERBAIJAN-IRAN BORD REG. Felt in the Khvoy, Qareh Zia ad Din and Salmas areas, Iran.
	30	22	37	03.7*	37.745	N	21.455	E	10	G		1.3	14	SOUTHERN GREECE. ML 3.2 (ATH), 3.2 (THE).
	30	23	21	21.0	46.145	N	1.159	E	5	G		1.1	16	FRANCE. ML 3.0 (LDG).
	31	00	25	34.0	37.673	N	21.411	E	10	G		0.7	14	SOUTHERN GREECE. ML 3.5 (THE), 3.2 (ATH).
	31	00	58	33.3&	60.187	N	150.187	W	53				44	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC), 2.9 (PMR).
	31	01	35	49.4*	31.505	S	67.963	W	10	G		1.4	5	SAN JUAN PROVINCE, ARGENTINA
	31	01	59	26.1*	18.993	S	69.737	W	109	*		0.7	10	NORTHERN CHILE
	31	02	02	29.9	40.323	N	95.652	W	5	G		0.6	9	IOWA. mbLg 2.8 (GS), 2.9 (TUL). Minor damage at Peru State College in Peru, Nebraska. Felt (V) at Peru and Verdon; (IV) at Nemaha and Stella; (III) at Dawson, Falls City, Salem and Shubert, Nebraska. Also felt (IV) at Rock Port, Missouri. Felt in parts of Brown, Doniphan and Nemaha Counties, Kansas.
	31	02	14	36.8*	5.745	N	82.725	W	33	N	4.2	0.2	6	SOUTH OF PANAMA. MD 4.0 (UPA).
a	31	03	36	12.5	23.469	N	123.586	E	53	D	5.3	1.0	208	SOUTHWESTERN RYUKYU ISLANDS. Mw 5.3 (HRV).
a	31	03	42	07.6	22.756	S	179.249	E	617	D	5.3	1.0	307	SOUTH OF FIJI ISLANDS. Mw 5.7 (HRV).
	31	04	02	15.9*	22.093	S	170.121	E	10	G	4.8	1.1	21	LOYALTY ISLANDS REGION
	31	04	32	27.5*	33.651	N	95.615	E	33	N		1.3	7	QINGHAI, CHINA
	31	05	14	23.8*	52.390	N	174.215	W	160	*	4.3	1.2	18	ANDREANOF ISLANDS, ALEUTIAN IS.
	31	05	18	23.4?	39.18	N	27.87	E	10	G		0.2	4	TURKEY. MD 2.7 (ISK).
	31	05	27	59.3?	38.79	N	23.45	E	10	G		0.2	6	GREECE
	31	05	49	51.0?	53.28	N	159.11	E	33	N	4.5	1.1	23	NEAR EAST COAST OF KAMCHATKA
	31	06	34	29.7?	32.53	S	71.48	W	33	N		0.6	6	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	31	06	51	14.3?	17.29	N	97.07	W	33	N		0.4	4	OAXACA, MEXICO
	31	07	22	37.3%	39.404	N	22.566	E	10	G		0.9	6	GREECE
	31	08	03	18.1	45.877	N	14.716	E	10	G		0.7	8	NORTHWESTERN BALKAN REGION. MD 2.9 (LJU). ML 2.6 (VIE).
	31	08	12	00.7	44.038	S	177.433	W	33	N	4.0	0.5	32	CHATHAM ISLANDS REGION
	31	09	09	57.6?	39.19	N	27.27	E	10	G		1.1	4	TURKEY. MD 2.9 (ISK).
	31	09	39	10.5?	24.94	N	126.18	E	33	N	4.5	1.4	9	RYUKYU ISLANDS

	31	09	42	27.3%	40.997	N	23.906	E	10	G		0.3	5	GREECE
a	31	10	18	14.2	17.322	N	100.910	W	30	D	5.4 5.0	1.1	160	GUERRERO, MEXICO. Mw 5.5 (HRV). Felt at Ixtapa, Zihuatanejo and Acapulco.
	31	10	57	11.8*	40.027	N	24.493	E	10	G		0.9	7	AEGEAN SEA
	31	11	51	25.9?	17.14	N	60.61	W	10	G		1.4	4	LEEWARD ISLANDS. ML 3.1 (FDF).
	31	12	34	57.6*	5.044	S	151.127	E	181	*	4.8	0.4	10	NEW BRITAIN REGION, P.N.G.
	31	12	49	10.6*	36.646	N	21.313	E	10	G	3.4	0.6	13	SOUTHERN GREECE. MD 3.6 (ATH).
	31	13	02	56.8&	63.278	N	149.425	W	96				57	CENTRAL ALASKA. <AEIC>.
	31	13	08	21.2?	40.09	N	24.31	E	10	G		0.1	4	AEGEAN SEA
	31	13	09	03.2%	44.381	N	7.383	E	10	G		0.4	8	NORTHERN ITALY. ML 1.9 (GEN).
	31	13	29	35.6&	34.931	N	116.915	W	0				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	31	13	38	44.7&	37.848	N	122.250	W	8				11	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK). Felt at Berkeley and Oakland.
	31	13	44	10.1	29.091	N	87.349	E	20	D	5.1 4.6	0.9	142	XIZANG
	31	14	09	46.1*	38.954	S	174.770	E	269	*		0.5	24	NORTH ISLAND, NEW ZEALAND
	31	14	22	56.8*	14.837	N	93.427	W	90	?	3.9	1.3	10	NEAR COAST OF CHIAPAS, MEXICO
	31	14	45	51.7	16.478	N	61.531	W	33	N		0.8	9	LEEWARD ISLANDS. MD 2.8 (TRN). ML 2.6 (FDF).
	31	14	56	47.0*	37.671	N	21.366	E	10	G		1.2	13	SOUTHERN GREECE. ML 3.3 (ATH).
	31	15	28	14.8*	9.178	S	125.989	E	75	?	4.7	1.3	16	TIMOR REGION, INDONESIA
	31	15	37	48.5*	36.712	N	71.208	E	33	N	4.1	0.7	5	AFGHANISTAN-TAJIKISTAN BORD REG.
	31	16	01	05.2%	26.819	S	26.797	E	5	G		0.2	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
	31	16	54	22.6%	44.376	N	7.303	E	10	G		0.6	6	NORTHERN ITALY. ML 1.6 (GEN).
	31	17	32	44.0%	26.873	S	26.739	E	5	G		1.0	8	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	31	17	55	51.4*	37.688	N	21.388	E	10	G	3.7	1.5	8	SOUTHERN GREECE. ML 3.4 (ATH).
	31	18	08	14.5&	32.782	N	118.351	W	6	G			7	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	31	18	20	44.1	39.150	N	28.017	E	13		4.3	1.1	90	TURKEY. ML 4.4 (ATH), 4.2 (THE). MD 4.1 (ISK).
	31	18	31	17.5*	41.304	S	172.743	E	168	*		0.5	8	SOUTH ISLAND, NEW ZEALAND
	31	18	37	37.0?	3.54	S	151.88	E	10	G	4.6	0.5	6	NEW IRELAND REGION, P.N.G.
	31	18	47	22.6%	39.044	N	27.678	E	10	G		0.4	7	TURKEY. MD 3.0 (ISK).
	31	20	23	21.2&	36.790	N	89.420	W	5	G			22	NEW MADRID, MISSOURI REGION. <SLM-P>. MD 3.1 (SLM), 3.3 (TEIC). mbLg 3.3 (GS). Felt (V) at East Prairie, (IV) at Bertrond and (III) at Anniston, Kewanee and Matthews. Also felt at Charleston and Sikeston.
	31	21	08	25.7%	46.373	N	1.598	E	10	G		0.9	18	FRANCE. ML 2.7 (LDG).
	31	21	55	16.0*	37.679	N	21.406	E	10	G	3.7	1.3	14	SOUTHERN GREECE. ML 3.4 (ATH).
	31	22	05	45.0*	38.366	N	30.684	E	10	G		0.9	5	TURKEY. MD 3.5 (ISK).
	31	23	11	46.9*	38.974	S	175.021	E	235	?		0.3	17	NORTH ISLAND, NEW ZEALAND

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

01 01 39 27.88 3.744S 138.536E 89km
6.1mb (101 obs.)
IRIAN JAYA, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 65 Dip=82 Slip= -70
NP2: 176 21 -158
Principal Axes:
T Plg=34 Azm=138
P 49 357
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 15 Focal mech. F
Energy 5.2±0.9*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 87 No. of sta: 19
Principal Axes:
Scale 10**18 Nm
T Val= 1.97 Plg=35 Azm=134
N -0.01 26 244
P -1.96 44 2
Best Double Couple:Mo=2.0*10**18
NP1:Strike=165 Dip=27 Slip=-170
NP2: 66 85 -64
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 44S, **C M.W.: 29S, 42C
Centroid Location:
Origin Time 01:39:35.0 0.1
Lat 3.68S 0.01 Lon 138.65E 0.01
Dep 97.5 0.7 Half-duration 2.7
Principal Axes:
Scale 10**18 Nm
T Val= 1.47 Plg=13 Azm=122
N 0.52 32 220
P -1.99 55 13
Best Double Couple:Mo=1.7*10**18
NP1:Strike=178 Dip=43 Slip=-141
NP2: 57 65 -54

01 20 47 42.89 13.072S 174.784E 33km
4.9mb (15 obs.) 4.9Msz (14 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 28C
Centroid Location:
Origin Time 20:47:43.1 1.0
Lat 12.79S 0.09 Lon 175.16E 0.10
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 10.23 Plg=27 Azm=179
N -1.00 7 272
P -9.23 62 16
Best Double Couple:Mo=9.7*10**16
NP1:Strike=251 Dip=19 Slip=-112
NP2: 95 72 -83

02 00 23 59.64 8.294S 122.303E 15km
5.9mb (83 obs.) 5.1Msz (25 obs.)
FLORES REGION, INDONESIA
RADIATED ENERGY
No. of sta: 14 Focal mech. M
Energy 1.7±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 16 No. of sta: 16
Principal Axes:
Scale 10**17 Nm
T Val= 7.00 Plg=73 Azm=223
N 0.05 16 61
P -7.05 5 330
Best Double Couple:Mo=7.0*10**17
NP1:Strike= 43 Dip=42 Slip= 66
NP2: 254 52 110
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 36S, 66C
Centroid Location:
Origin Time 00:24: 8.5 0.2
Lat 8.32S FIX;Lon 122.29E FIX
Dep 30.6 2.1 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.44 Plg=72 Azm=227
N 0.80 16 71
P -4.24 7 339
Best Double Couple:Mo=3.8*10**17
NP1:Strike= 51 Dip=41 Slip= 64
NP2: 263 54 110

02 06 12 05.62 6.274S 147.258E 64km
5.3mb (40 obs.)
EASTERN NEW GUINEA REG., P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 36S, 59C
Centroid Location:
Origin Time 06:12: 9.2 0.3
Lat 6.25S 0.04 Lon 147.16E 0.05
Dep 22.1 4.2 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.02 Plg=47 Azm=110
N 0.24 13 214
P -3.26 40 316
Best Double Couple:Mo=3.1*10**17
NP1:Strike=109 Dip=14 Slip= 165
NP2: 213 87 77

03 13 06 27.94 13.154S 174.993E 33km
5.4mb (19 obs.) 5.1Msz (15 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 19C
Centroid Location:
Origin Time 13:06:27.7 0.6
Lat 13.13S FIX;Lon 175.00E FIX
Dep 15.0 FIX Half-duration 4.6
Principal Axes:
Scale 10**17 Nm
T Val= 1.14 Plg= 0 Azm=196
N -0.04 0 106
P -1.10 90 180
Best Double Couple:Mo=1.1*10**17
NP1:Strike=286 Dip=45 Slip= -90
NP2: 106 45 -90

03 23 14 25.91 13.342S 175.009E 14km
5.9mb (65 obs.) 5.8Msz (49 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=103 Dip=87 Slip= -90
NP2: 283 3 -90
Principal Axes:
T Plg=42 Azm=193
P 48 13
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 11 Focal mech. M
Energy 6.1±1.4*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 12 No. of sta: 19
Principal Axes:
Scale 10**17 Nm
T Val= 8.08 Plg=43 Azm=166
N -0.25 30 288

P -7.84 33 39
Best Double Couple:Mo=8.0*10**17
NP1:Strike=184 Dip=30 Slip= 168
NP2: 285 84 60
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 41S, 91C
Centroid Location:
Origin Time 23:14:29.0 0.2
Lat 13.16S 0.02 Lon 175.25E 0.02
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Vol= 10.33 Plg=14 Azm=193
N 0.48 10 286
P -10.81 73 49
Best Double Couple:Mo=1.1*10**18
NP1:Strike=270 Dip=32 Slip=-108
NP2: 112 60 -79

04 14 35 58.50 13.241S 174.872E 19km
5.8mb (50 obs.) 5.5Msz (34 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=120 Dip=80 Slip= -90
NP2: 300 10 -90
Principal Axes:
T Plg=35 Azm=210
P 55 30
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 69C
Centroid Location:
Origin Time 14:36: 1.3 0.2
Lat 13.11S 0.03 Lon 174.94E 0.03
Dep 15.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Vol= 3.87 Plg= 9 Azm=194
N 0.82 8 103
P -4.69 78 333
Best Double Couple:Mo=4.3*10**17
NP1:Strike=294 Dip=36 Slip= -77
NP2: 98 55 -100

04 19 42 24.21 13.253S 175.007E 33km
5.4mb (24 obs.) 5.0Msz (22 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 36C
Centroid Location:
Origin Time 19:42:25.8 0.6
Lat 13.13S 0.08 Lon 174.81E 0.07
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Vol= 7.76 Plg= 7 Azm= 17
N 2.96 17 109
P -10.72 72 264
Best Double Couple:Mo=9.2*10**16
NP1:Strike= 88 Dip=41 Slip=-116
NP2: 302 54 -69

05 06 55 08.63 37.178N 21.505E 39km
5.2mb (102 obs.) 5.0Msz (15 obs.)
SOUTHERN GREECE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 16C
Centroid Location:
Origin Time 06:55:10.2 0.7
Lat 36.90N 0.10 Lon 21.41E 0.11
Dep 37.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Vol= 9.12 Plg=70 Azm=341
N -3.08 19 139
P -6.04 7 231
Best Double Couple:Mo=7.6*10**16
NP1:Strike=342 Dip=42 Slip= 120
NP2: 125 55 66

05 08 20 55.37 28.710N 113.122W 10km
5.5mb (72 obs.) 5.8Msz (25 obs.)
BAJA CALIFORNIA, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 53C
Centroid Location:
Origin Time 08:21: 0.7 0.3
Lat 29.25N 0.05 Lon 113.43W 0.04
Dep 15.0 BDY Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Vol= 5.35 Plg= 3 Azm= 90
N -2.40 20 181
P -2.95 70 353
Best Double Couple:Mo=4.2*10**17
NP1:Strike=160 Dip=46 Slip=-118
NP2: 18 51 -64

05 14 00 14.25 29.497S 60.914E 10km
5.5mb (27 obs.) 4.8Msz (5 obs.)
SOUTHWEST INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 39C
Centroid Location:
Origin Time 14:00:20.1 0.4
Lat 29.46S 0.06 Lon 61.13E 0.09
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Vol= 10.30 Plg=26 Azm=320
N 0.20 5 228
P -10.50 64 128
Best Double Couple:Mo=1.0*10**17
NP1:Strike= 62 Dip=20 Slip= -76
NP2: 226 71 -95

05 20 30 05.67 54.557N 161.845W 33km
5.2mb (75 obs.) 4.6Msz (13 obs.)
ALASKA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 21C
Centroid Location:
Origin Time 20:30: 8.7 1.4
Lat 54.40N 0.11 Lon 161.41W 0.32
Dep 49.3 9.1 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Vol= 5.39 Plg=52 Azm=314
N 0.65 21 73
P -6.04 30 176
Best Double Couple:Mo=5.7*10**16
NP1:Strike=312 Dip=25 Slip= 151
NP2: 69 78 68

06 03 05 49.87 10.972S 164.181E 20km
6.1mb (85 obs.) 7.1Msz (62 obs.)
SANTA CRUZ ISLANDS REGION
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=155 Dip=88 Slip= 155
NP2: 246 65 2
Principal Axes:
T Plg=19 Azm=108
P 16 203
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: 20 Focal mech. F
Energy 1.3±0.2*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 17 No. of sta: 29
Principal Axes:
Scale 10**19 Nm
T Vol= 5.63 Plg= 7 Azm=112
N -0.22 79 345
P -5.41 9 203
Best Double Couple:Mo=5.5*10**19
NP1:Strike=247 Dip=79 Slip= -2
NP2: 338 88 -169
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 41S, **C M.W.: 38S, **C
Centroid Location:
Origin Time 03:06: 0.0 0.1
Lat 10.73S 0.01 Lon 164.02E 0.00
Dep 15.0 FIX Half-duration 8.6
Principal Axes:
Scale 10**19 Nm
T Vol= 4.71 Plg=28 Azm=109
N 0.95 55 330
P -5.66 19 210
Best Double Couple:Mo=5.2*10**19
NP1:Strike=252 Dip=55 Slip= 7
NP2: 158 84 145

06 10 02 06.95 26.536S 177.355W 18km
5.9mb (63 obs.) 6.6Msz (63 obs.)
SOUTH OF FIJI ISLANDS
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=175 Dip=90 Slip= 173
NP2: 265 83 360
Principal Axes:
T Plg= 5 Azm=130
P 5 220
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: 16 Focal mech. F
Energy 4.6±1.1*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 36 No. of sta: 28
Principal Axes:
Scale 10**18 Nm
T Vol= 7.99 Plg= 4 Azm=321
N -0.01 82 202
P -7.98 7 51
Best Double Couple:Mo=8.0*10**18
NP1:Strike= 96 Dip=82 Slip= -2
NP2: 186 88 -172
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 40S, **C M.W.: 38S, 75C
Centroid Location:
Origin Time 10:02:12.4 0.1
Lat 26.57S 0.01 Lon 177.29W 0.01
Dep 15.4 0.7 Half-duration 4.5
Principal Axes:
Scale 10**18 Nm
T Vol= 6.81 Plg= 6 Azm=139
N -0.26 72 249
P -6.55 17 47
Best Double Couple:Mo=6.7*10**18
NP1:Strike=184 Dip=74 Slip=-173
NP2: 92 83 -16

06 16 26 56.96 11.062S 163.386E 25km
5.7mb (68 obs.) 6.6Msz (60 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 44S, **C M.W.: 39S, 92C
Centroid Location:
Origin Time 16:27: 1.4 0.1
Lat 10.89S 0.01 Lon 163.44E 0.01
Dep 15.0 FIX Half-duration 5.0
Principal Axes:
Scale 10**18 Nm
T Vol= 10.05 Plg=30 Azm=110
N 1.39 50 337
P -11.43 24 215
Best Double Couple:Mo=1.1*10**19
NP1:Strike=255 Dip=50 Slip= 5
NP2: 162 86 140

07 07 00 39.74 10.773S 164.230E 34km
4.8mb (18 obs.) 4.9Msz (13 obs.)
SANTA CRUZ ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 28C
Centroid Location:
Origin Time 07:00:39.0 1.1
Lat 10.78S 0.12 Lon 164.10E 0.11
Dep 18.8 4.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Vol= 11.01 Plg=54 Azm=299
N -2.59 9 43
P -8.42 34 139
Best Double Couple:Mo=9.7*10**16
NP1:Strike=264 Dip=14 Slip= 132
NP2: 41 80 80

07 07 58 09.07 10.889S 164.406E 36km
5.1mb (28 obs.) 5.3Msz (22 obs.)
SANTA CRUZ ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 39S, 69C
Centroid Location:

Origin Time 07:58:12.8 0.4
Lat 10.59S 0.04 Lon 164.28E 0.04
Dep 16.1 2.1 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.80 Plg=61 Azm= 14
N 0.16 3 278
P -2.95 29 186
Best Double Couple:Mo=2.9*10**17
NP1:Strike=267 Dip=17 Slip= 79
NP2: 99 74 93

08 17 03 20.66 11.123S 163.298E 28km
4.9mb (23 obs.) 5.1Msz (22 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 70C
Centroid Location:
Origin Time 17:03:21.9 0.3
Lat 11.18S 0.03 Lon 163.37E 0.03
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.44 Plg=69 Azm=322
N -0.12 10 79
P -2.32 18 172
Best Double Couple:Mo=2.4*10**17
NP1:Strike=278 Dip=28 Slip= 111
NP2: 74 64 79

08 21 50 41.72 6.706S 131.616E 26km
5.5mb (47 obs.)
TANIMBAR ISLANDS REG., INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 60C
Centroid Location:
Origin Time 21:50:49.4 0.3
Lat 6.74S 0.03 Lon 131.82E 0.03
Dep 49.5 2.6 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.42 Plg=32 Azm=304
N -0.17 57 119
P -2.26 2 213
Best Double Couple:Mo=2.3*10**17
NP1:Strike=343 Dip=66 Slip= 157
NP2: 83 69 26

09 01 29 14.64 55.678S 146.999E 10km
5.5mb (38 obs.) 6.0Msz (52 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 43S, **C M.W.: 32S, 52C
Centroid Location:
Origin Time 01:29:23.1 0.1
Lat 55.91S 0.01 Lon 146.91E 0.02
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**18 Nm
T Val= 1.87 Plg=19 Azm= 31
N 0.00 59 267
P -1.87 24 130
Best Double Couple:Mo=1.9*10**18
NP1:Strike=169 Dip=59 Slip= -4
NP2: 261 86 -149

09 07 45 43.67 59.624S 25.709W 33km
5.7mb (26 obs.) 6.1Msz (49 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 46S, **C M.W.: 30S, 48C
Centroid Location:
Origin Time 07:45:52.3 0.1
Lat 60.33S 0.01 Lon 24.76W 0.02
Dep 15.0 FIX Half-duration 3.6
Principal Axes:
Scale 10**18 Nm
T Val= 3.12 Plg=65 Azm=246
N 0.41 16 14
P -3.53 19 110
Best Double Couple:Mo=3.3*10**18
NP1:Strike=224 Dip=30 Slip= 124
NP2: 7 65 72

09 22 40 41.09 59.868S 25.996W 33km
5.2mb (13 obs.) 4.8Msz (3 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 29C
Centroid Location:
Origin Time 22:40:47.6 0.4
Lat 59.60S 0.07 Lon 27.54W 0.12
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 12.72 Plg=33 Azm=305
N -2.08 8 210
P -10.65 56 107
Best Double Couple:Mo=1.2*10**17
NP1:Strike= 64 Dip=15 Slip= -55
NP2: 208 78 -99

10 12 39 23.90 59.700S 25.719W 33km
5.4mb (25 obs.) 6.4Msz (38 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 45S, **C M.W.: 36S, 75C
Centroid Location:
Origin Time 12:39:33.8 0.1
Lat 60.49S 0.01 Lon 24.73W 0.02
Dep 15.0 FIX Half-duration 4.4
Principal Axes:
Scale 10**18 Nm
T Val= 5.52 Plg=73 Azm=253
N 0.64 11 24
P -6.16 12 117
Best Double Couple:Mo=5.8*10**18
NP1:Strike=221 Dip=34 Slip= 111
NP2: 17 58 77

10 21 56 27.87 48.383N 152.987E 141km
5.5mb (152 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 14C
Centroid Location:
Origin Time 21:56:32.6 1.0
Lat 48.52N 0.15 Lon 152.46E 0.13
Dep 162.8 4.2 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.16 Plg=41 Azm= 81
N -2.59 1 351
P -5.57 49 260
Best Double Couple:Mo=6.9*10**16
NP1:Strike=184 Dip= 4 Slip= -76
NP2: 351 86 -91

11 12 46 46.43 8.801N 126.918E 38km
5.3mb (46 obs.) 5.1Msz (11 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 56C
Centroid Location:
Origin Time 12:46:48.6 0.4
Lat 8.74N 0.05 Lon 127.55E 0.05
Dep 21.1 2.4 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 9.51 Plg=83 Azm=319
N -0.29 5 174
P -9.22 4 83
Best Double Couple:Mo=9.4*10**16
NP1:Strike=167 Dip=41 Slip= 82
NP2: 358 49 97

11 22 07 27.33 16.710S 172.712W 33km
5.4mb (43 obs.) 5.4Msz (37 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 72C
Centroid Location:
Origin Time 22:07:30.8 0.3
Lat 16.79S 0.03 Lon 172.26W 0.03
Dep 15.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.87 Plg=62 Azm=293
N 0.42 3 197
P -4.29 27 105
Best Double Couple:Mo=4.1*10**17
NP1:Strike=187 Dip=18 Slip= 79
NP2: 18 72 93

12 04 24 19.32 19.576N 38.743E 10km
5.1mb (81 obs.) 5.2Msz (14 obs.)
RED SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 50C
Centroid Location:
Origin Time 04:24:21.4 0.6
Lat 19.39N 0.08 Lon 38.34E 0.06
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 9.98 Plg=14 Azm= 53
N -0.70 4 322
P -9.28 76 217
Best Double Couple:Mo=9.6*10**16
NP1:Strike=148 Dip=31 Slip= -83
NP2: 320 59 -94

12 12 06 15.38 59.406S 149.430E 10km
5.2mb (24 obs.) 5.4Msz (8 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 37S, 84C
Centroid Location:
Origin Time 12:06:22.2 0.2
Lat 59.12S 0.03 Lon 149.42E 0.05
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.36 Plg= 9 Azm=212
N -0.12 79 6
P -3.24 5 121
Best Double Couple:Mo=3.3*10**17
NP1:Strike=256 Dip=80 Slip= 176
NP2: 347 87 10

12 14 01 35.40 14.385S 178.252W 10km
6.0mb (82 obs.) 6.4Msz (66 obs.)
FIJI ISLANDS REGION
RADIATED ENERGY
No. of sta: 25 Focal mech. M
Energy 1.0±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 5 No. of sta: 27
Principal Axes:
Scale 10**18 Nm
T Val= 4.48 Plg=63 Azm=154
N 0.20 25 311
P -4.68 9 45
Best Double Couple:Mo=4.6*10**18
NP1:Strike=162 Dip=42 Slip= 129
NP2: 294 59 60
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 42S, **C M.W.: 26S, 49C
Centroid Location:
Origin Time 14:01:42.2 0.1
Lat 14.30S 0.01 Lon 178.09W 0.01
Dep 15.0 BDY Half-duration 3.4
Principal Axes:
Scale 10**18 Nm
T Val= 3.73 Plg=72 Azm=163
N 0.56 15 305
P -4.29 11 38
Best Double Couple:Mo=4.0*10**18
NP1:Strike=145 Dip=36 Slip= 115
NP2: 295 57 73

12 21 53 45.85 14.293S 178.190W 33km
5.6mb (28 obs.) 5.3Msz (35 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 59C
Centroid Location:
Origin Time 21:53:48.9 0.3
Lat 14.14S 0.05 Lon 178.06W 0.04
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.93 Plg=68 Azm= 25
N -0.08 5 127
P -1.85 21 219
Best Double Couple:Mo=1.9*10**17
NP1:Strike=318 Dip=24 Slip= 102
NP2: 125 67 85

12 23 32 46.49 19.633N 38.647E 10km
4.7mb (34 obs.) 4.7Msz (3 obs.)
RED SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 16C
Centroid Location:

Origin Time 23:32:51.8 0.5
Lat 19.76N FIX;Lon 38.6BE FIX
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.25	0	231
N	-0.31	0	141
P	-3.94	90	180

Best Double Couple:Mo=4.1*10**16
NP1:Strike=321 Dip=45 Slip= -90
NP2: 141 45 -90

13 03 03 05.72 18.218S 178.430W 631km
5.1mb (49 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 67C
Centroid Location:
Origin Time 03:03:12.8 0.4
Lat 17.66S 0.04 Lon 178.31W 0.03
Dep 649.5 2.0 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.00	3	329
N	0.46	18	60
P	-2.46	71	229

Best Double Couple:Mo=2.2*10**17
NP1:Strike= 40 Dip=45 Slip=-116
NP2: 255 51 -66

13 06 47 10.51 26.652S 177.305W 82km
4.8mb (12 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 42C
Centroid Location:
Origin Time 06:47: 8.7 0.6
Lat 26.42S 0.07 Lon 177.65W 0.07
Dep 20.0 6.5 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.55	0	90
N	-1.12	65	180
P	-6.44	25	0

Best Double Couple:Mo=7.0*10**16
NP1:Strike=138 Dip=72 Slip=-162
NP2: 42 72 -18

13 09 05 29.34 11.326N 141.824E 45km
5.1mb (48 obs.) 4.9Msz (21 obs.)
WESTERN CAROLINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 37S, 63C
Centroid Location:
Origin Time 09:05:33.7 0.3
Lat 11.39N 0.04 Lon 141.97E 0.03
Dep 58.8 2.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.02	73	339
N	-0.92	13	200
P	-9.10	11	107

Best Double Couple:Mo=9.6*10**16
NP1:Strike=181 Dip=36 Slip= 67
NP2: 28 57 106

13 17 12 26.20 19.626N 38.799E 10km
5.7mb (153 obs.) 5.4Msz (43 obs.)
RED SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 81C
Centroid Location:
Origin Time 17:12:27.8 0.4
Lat 19.42N 0.03 Lon 38.55E 0.03
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.85	5	50
N	-0.26	4	319
P	-3.59	84	194

Best Double Couple:Mo=3.7*10**17
NP1:Strike=144 Dip=40 Slip= -84
NP2: 316 50 -95

14 08 12 13.25 19.602N 38.774E 10km
4.9mb (41 obs.) 4.6Msz (8 obs.)
RED SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 17C
Centroid Location:
Origin Time 08:12:19.8 0.6
Lat 19.65N FIX;Lon 38.74E FIX
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	3.59	0	211
N	-1.12	0	121
P	-2.46	90	180

Best Double Couple:Mo=3.0*10**16
NP1:Strike=301 Dip=45 Slip= -90
NP2: 121 45 -90

15 03 35 05.92 42.299N 143.100E 56km
5.1mb (102 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 22C
Centroid Location:
Origin Time 03:35:11.8 1.3
Lat 42.11N 0.11 Lon 143.37E 0.11
Dep 68.8 5.1 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.90	64	255
N	1.15	21	36
P	-6.05	15	132

Best Double Couple:Mo=5.5*10**16
NP1:Strike=250 Dip=35 Slip= 129
NP2: 25 63 66

15 16 08 57.88 26.708S 70.918W 29km
6.0mb (89 obs.) 6.2Msz (50 obs.)
NEAR COAST OF NORTHERN CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=347 Dip=75 Slip=-153
NP2: 249 64 -17
Principal Axes:

	Plg=	Azm=
T	7	116
P	30	211

Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sto: 16 Focal mech. F
Energy 6.0±1.5*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 44 No. of sta: 19
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.08	20	135
N	-0.01	46	22
P	-1.07	37	240

Best Double Couple:Mo=1.1*10**19
NP1:Strike=271 Dip=48 Slip= -14
NP2: 11 79 -137
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 48S, **C M.W.: 34S, 57C
Centroid Location:
Origin Time 16:09: 9.7 0.1
Lat 26.55S 0.01 Lon 71.16W 0.01
Dep 59.6 1.2 Half-duration 4.2
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	5.92	35	98
N	0.92	12	359
P	-6.84	52	253

Best Double Couple:Mo=6.4*10**18
NP1:Strike=232 Dip=15 Slip= -36
NP2: 357 81 -102

16 11 59 26.46 19.516N 38.768E 10km
5.4mb (81 obs.) 4.8Msz (21 obs.)
RED SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 39C
Centroid Location:
Origin Time 11:59:28.8 0.7
Lat 19.18N 0.09 Lon 38.61E 0.07
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.80	9	53
N	-1.85	14	146
P	-8.96	73	290

Best Double Couple:Mo=9.9*10**16
NP1:Strike=127 Dip=38 Slip=-114
NP2: 335 56 -73

16 13 03 07.07 0.527N 126.145E 57km
5.2mb (38 obs.)
NORTHERN MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 40C
Centroid Location:
Origin Time 13:03: 7.5 0.7
Lat 1.01N 0.08 Lon 125.70E 0.09
Dep 15.5 4.6 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.01	34	283
N	0.95	8	18
P	-10.96	55	119

Best Double Couple:Mo=1.0*10**17
NP1:Strike=343 Dip=13 Slip=-126
NP2: 200 80 -82

16 22 59 45.81 11.625N 41.987E 16km
5.6mb (103 obs.) 5.2Msz (26 obs.)
ETHIOPIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 39S, 79C
Centroid Location:
Origin Time 22:59:48.1 0.6
Lat 11.49N 0.04 Lon 41.82E 0.03
Dep 15.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.59	9	208
N	-0.51	9	116
P	-3.07	78	344

Best Double Couple:Mo=3.3*10**17
NP1:Strike=308 Dip=37 Slip= -76
NP2: 110 55 -100

17 04 35 58.12 37.691S 74.939W 9km
5.8mb (45 obs.)
OFF COAST OF CENTRAL CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=340 Dip=62 Slip= -90
NP2: 160 28 -90
Principal Axes:

	Plg=	Azm=
T	17	70
P	73	250

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 10 Focal mech. C
Energy 6.1±1.1*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 45C
Centroid Location:
Origin Time 04:35:58.3 0.3
Lat 38.67S 0.04 Lon 75.37W 0.05
Dep 15.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.22	23	96
N	-0.25	24	356
P	-2.96	56	226

Best Double Couple:Mo=3.1*10**17
NP1:Strike=224 Dip=30 Slip= -37
NP2: 348 72 -115

18 15 47 00.42 38.340N 22.155E 59km
5.7mb (135 obs.)
GREECE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 39S, 94C
Centroid Location:
Origin Time 15:47: 6.5 0.3
Lat 38.05N 0.03 Lon 21.79E 0.03
Dep 49.0 BDY Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.92	65	353
N	2.12	17	122
P	-7.04	19	218

Best Double Couple:Mo=6.0*10**17
NP1:Strike=333 Dip=30 Slip= 125
NP2: 114 66 72

19 01 48 05.19 26.742S 70.966W 29km
5.6mb (63 obs.) 5.7Msz (23 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 46S, **C
Centroid Location:
Origin Time 01:48:12.0 0.2
Lat 27.04S 0.03 Lon 71.58W 0.02
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 9.36 Plg=64 Azm= 80
N 0.68 0 170
P -10.04 26 260
Best Double Couple:Mo=9.7*10**17
NP1:Strike=351 Dip=19 Slip= 91
NP2: 170 71 90

19 05 59 43.17 36.038N 141.550E 34km
5.5mb (93 obs.) 5.6Msz (18 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 69C
Centroid Location:
Origin Time 05:59:45.0 0.3
Lat 35.93N 0.04 Lon 141.83E 0.04
Dep 30.3 2.2 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.48 Plg=63 Azm=313
N 0.28 4 214
P -2.76 27 122
Best Double Couple:Mo=2.6*10**17
NP1:Strike=201 Dip=19 Slip= 76
NP2: 36 72 95

19 15 53 52.84 12.147N 95.082E 25km
5.4mb (113 obs.) 5.0Msz (13 obs.)
ANDAMAN ISLANDS, INDIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 47C
Centroid Location:
Origin Time 15:53:57.6 0.3
Lat 12.62N 0.06 Lon 95.75E 0.05
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 10.96 Plg= 0 Azm=129
N -3.82 30 219
P -7.14 60 38
Best Double Couple:Mo=9.1*10**16
NP1:Strike=192 Dip=52 Slip=-129
NP2: 65 52 -51

19 16 01 10.29 26.674S 70.954W 20km
5.4mb (30 obs.) 4.8Msz (13 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 35C
Centroid Location:
Origin Time 16:01:14.9 0.4
Lat 27.02S 0.07 Lon 71.56W 0.05
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 9.68 Plg=73 Azm=118
N 1.45 10 355
P -11.13 14 263
Best Double Couple:Mo=1.0*10**17
NP1:Strike=339 Dip=32 Slip= 72
NP2: 181 60 101

20 06 30 25.90 9.763N 57.858E 10km
5.1mb (53 obs.) 4.9Msz (8 obs.)
CARLSBERG RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 29C
Centroid Location:
Origin Time 06:30:27.3 0.5
Lat 9.62N 0.06 Lon 57.77E 0.05
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 5.96 Plg= 0 Azm=220
N 0.80 0 130
P -6.76 90 180
Best Double Couple:Mo=6.4*10**16
NP1:Strike=310 Dip=45 Slip= -90
NP2: 130 45 -90

20 09 20 32.59 56.084S 27.803W 116km
6.0mb (53 obs.)
SOUTH SANDWICH ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=140 Dip=55 Slip= 90
NP2: 320 35 90
Principal Axes:
T Plg=80 Azm= 50
P 10 230
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sto: 4 Focal mech. M
Energy 6.6±2.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 112 No. of sto: 7
Principal Axes:
Scale 10**18 Nm
T Val= 3.04 Plg=69 Azm= 66
N -0.03 7 318
P -3.01 20 225
Best Double Couple:Mo=3.0*10**18
NP1:Strike=303 Dip=26 Slip= 73
NP2: 141 65 98
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 47S, **C
Centroid Location:
Origin Time 09:20:39.9 0.1
Lat 56.11S 0.01 Lon 27.70W 0.02
Dep 127.9 0.6 Half-duration 3.6
Principal Axes:
Scale 10**18 Nm
T Val= 3.66 Plg=64 Azm=103
N -0.49 25 295
P -3.17 5 203
Best Double Couple:Mo=3.4*10**18
NP1:Strike=268 Dip=46 Slip= 53
NP2: 134 55 122

20 14 51 59.77 29.084N 87.333E 12km
5.8mb (132 obs.) 6.0Msz (45 obs.)
XIZANG
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=355 Dip=70 Slip= -90
NP2: 175 20 -90
Principal Axes:
T Plg=25 Azm= 85
P 65 265
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sto: 9 Focal mech. F
Energy 6.0±1.3*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 41S, **C M.W.: 30S, 49C
Centroid Location:
Origin Time 14:52:10.8 0.2
Lat 28.87N 0.02 Lon 87.64E 0.01
Dep 15.0 BDY Half-duration 3.3
Principal Axes:
Scale 10**18 Nm
T Val= 2.50 Plg= 3 Azm= 93
N -0.06 22 184
P -2.44 68 355
Best Double Couple:Mo=2.5*10**18
NP1:Strike=161 Dip=46 Slip=-121
NP2: 22 52 -62

20 21 26 39.45 28.994N 87.383E 21km
5.0mb (70 obs.) 4.6Msz (3 obs.)
XIZANG
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 18C
Centroid Location:
Origin Time 21:26:49.1 0.9
Lat 29.03N FIX;Lon 87.35E FIX
Dep 26.6 7.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.03 Plg=30 Azm= 83
N -0.06 4 175
P -5.97 60 273
Best Double Couple:Mo=6.0*10**16
NP1:Strike=160 Dip=16 Slip=-106
NP2: 357 75 -86

21 05 04 59.19 18.042S 178.528W 589km
6.1mb (90 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=342 Dip=90 Slip= -55
NP2: 72 35 -180
Principal Axes:
T Plg=35 Azm= 42
P 35 282
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a large strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sto: 21 Focal mech. F
Energy 2.8±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 609 No. of sto: 25
Principal Axes:
Scale 10**18 Nm
T Val= 3.11 Plg=17 Azm= 14
N 0.30 58 133
P -3.41 26 275
Best Double Couple:Mo=3.3*10**18
NP1:Strike= 56 Dip=59 Slip=-173
NP2: 323 84 -32
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 43S, **C M.W.: 22S, 28C
Centroid Location:
Origin Time 05:05: 7.5 0.1
Lat 17.71S 0.01 Lon 178.42W 0.01
Dep 607.6 0.9 Half-duration 3.5
Principal Axes:
Scale 10**18 Nm
T Val= 3.29 Plg=31 Azm= 32
N 0.01 41 153
P -3.30 33 278
Best Double Couple:Mo=3.3*10**18
NP1:Strike= 66 Dip=41 Slip=-177
NP2: 334 88 -49

22 11 03 43.58 34.697N 34.402E 32km
5.4mb (130 obs.) 5.0Msz (41 obs.)
CYPRUS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 33S, 55C
Centroid Location:
Origin Time 11:03:50.9 0.6
Lat 34.74N FIX;Lon 34.41E FIX
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.77 Plg=60 Azm=359
N -0.68 18 124
P -1.09 23 222
Best Double Couple:Mo=1.4*10**17
NP1:Strike=343 Dip=27 Slip= 133
NP2: 117 71 71

22 13 58 36.98 45.313N 150.337E 46km
5.5mb (133 obs.) 4.9Msz (46 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 40S, 72C
Centroid Location:
Origin Time 13:58:43.3 0.3
Lat 45.23N 0.04 Lon 150.51E 0.04
Dep 46.2 2.3 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 12.55 Plg=68 Azm=269
N 3.95 13 33
P -16.49 17 127
Best Double Couple:Mo=1.5*10**17
NP1:Strike=236 Dip=30 Slip= 116
NP2: 27 63 76

22 18 23 50.86 52.172N 172.889W 33km
5.3mb (76 obs.) 5.2Msz (46 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 41S, 94C
Centroid Location:

Origin Time 18:23:55.2 0.2
Lat 52.28N 0.04 Lon 172.73W 0.03
Dep 27.4 1.7 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.98	6	282
N	-2.01	74	173
P	-2.98	15	14

Best Double Couple:Mo=4.0*10**17
NP1:Strike= 57 Dip=75 Slip= -7
NP2: 149 83 -165

22 20 51 37.64 19.498N 38.734E 10km
4.9mb (51 obs.) 4.8Msz (9 obs.)
RED SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 23C
Centroid Location:
Origin Time 20:51:39.2 1.1
Lat 19.43N 0.09 Lon 38.59E 0.10
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.59	0	225
N	0.00	0	135
P	-4.58	90	180

Best Double Couple:Mo=4.6*10**16
NP1:Strike=315 Dip=45 Slip= -90
NP2: 135 45 -90

23 00 59 32.78 19.590N 38.693E 10km
5.2mb (83 obs.) 5.0Msz (14 obs.)
RED SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 34C
Centroid Location:
Origin Time 00:59:36.9 0.6
Lat 19.85N 0.08 Lon 38.39E 0.07
Dep 16.3 3.3 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.69	0	223
N	-1.99	0	133
P	-6.69	90	180

Best Double Couple:Mo=7.7*10**16
NP1:Strike=313 Dip=45 Slip= -90
NP2: 133 45 -90

23 01 18 44.85 5.772S 148.676E 132km
5.4mb (33 obs.)
NEW BRITAIN REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 30C
Centroid Location:
Origin Time 01:18:49.9 1.0
Lat 5.53S 0.10 Lon 149.06E 0.07
Dep 122.4 3.4 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.77	40	175
N	-0.23	45	28
P	-1.54	17	280

Best Double Couple:Mo=1.6*10**17
NP1:Strike=326 Dip=48 Slip= 19
NP2: 223 76 136

25 02 09 20.27 49.888S 114.991W 10km
4.9mb (9 obs.) 5.2Msz (2 obs.)
SOUTHERN EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 36C
Centroid Location:
Origin Time 02:09:30.4 0.4
Lat 49.83S 0.07 Lon 115.35W 0.09
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.74	1	330
N	0.22	64	238
P	-1.96	26	61

Best Double Couple:Mo=1.9*10**17
NP1:Strike=102 Dip=71 Slip= -18
NP2: 199 73 -160

25 07 08 18.93 41.800N 143.467E 34km
5.8mb (155 obs.) 5.9Msz (78 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 39S, 94C
Centroid Location:
Origin Time 07:08:23.2 0.2
Lat 41.62N 0.02 Lon 143.84E 0.02
Dep 33.0 BDY Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	10.18	59	273
N	1.53	9	19
P	-11.71	29	115

Best Double Couple:Mo=1.1*10**18
NP1:Strike=229 Dip=18 Slip= 121
NP2: 17 74 80

25 12 28 03.85 36.013N 71.110E 94km
5.3mb (122 obs.)
AFGHANISTAN-TAJIKISTAN BORD REG.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 33C
Centroid Location:
Origin Time 12:28: 6.6 0.6
Lat 35.72N 0.07 Lon 71.07E 0.06
Dep 97.1 5.0 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.58	60	240
N	0.55	27	34
P	-6.13	12	130

Best Double Couple:Mo=5.9*10**16
NP1:Strike=250 Dip=41 Slip= 134
NP2: 18 62 59

25 13 34 35.44 45.035N 122.607W 21km
5.5mb (105 obs.) 5.4Msz (28 obs.)
WASHINGTON-OREGON BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 51C
Centroid Location:
Origin Time 13:34:45.7 0.5
Lat 45.17N 0.04 Lon 122.07W 0.05
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.17	50	251
N	-0.05	36	100
P	-3.13	14	359

Best Double Couple:Mo=3.2*10**17
NP1:Strike= 51 Dip=44 Slip= 32
NP2: 297 68 129

25 17 15 59.75 1.118N 129.140E 20km
5.1mb (34 obs.) 4.5Msz (7 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 30C
Centroid Location:
Origin Time 17:16: 5.2 1.6
Lat 1.52N 0.13 Lon 128.63E 0.15
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.34	30	171
N	-2.96	58	9
P	-7.38	8	266

Best Double Couple:Mo=8.9*10**16
NP1:Strike=312 Dip=63 Slip= 17
NP2: 214 75 151

25 19 44 17.91 11.062S 163.256E 32km
5.2mb (32 obs.) 4.8Msz (3 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 56C
Centroid Location:
Origin Time 19:44:19.5 0.5
Lat 10.84S 0.06 Lon 163.59E 0.07
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	12.49	59	321
N	-0.81	7	62
P	-11.68	30	156

Best Double Couple:Mo=1.2*10**17
NP1:Strike=267 Dip=16 Slip= 115
NP2: 61 75 83

26 01 10 49.26 1.119N 129.050E 33km
5.0mb (30 obs.) 4.5Msz (11 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 38C
Centroid Location:
Origin Time 01:10:56.6 1.2
Lat 1.58N 0.08 Lon 128.81E 0.09
Dep 38.3 6.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.95	10	157
N	0.54	80	337
P	-8.49	0	67

Best Double Couple:Mo=8.2*10**16
NP1:Strike=201 Dip=83 Slip= 173
NP2: 292 83 7

26 09 25 53.61 5.607S 153.273E 40km
5.4mb (53 obs.) 4.8Msz (19 obs.)
NEW IRELAND REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 46C
Centroid Location:
Origin Time 09:26: 1.5 0.4
Lat 5.32S 0.06 Lon 153.42E 0.04
Dep 23.5 2.9 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.60	2	110
N	-2.11	24	201
P	-9.49	66	15

Best Double Couple:Mo=1.1*10**17
NP1:Strike=177 Dip=48 Slip=-123
NP2: 42 52 -59

26 11 58 15.17 37.589N 21.391E 10km
5.2mb (96 obs.) 5.2Msz (31 obs.)
SOUTHERN GREECE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 44C
Centroid Location:
Origin Time 11:58:20.9 0.5
Lat 37.61N 0.07 Lon 21.18E 0.08
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.28	24	342
N	0.65	60	203
P	-1.93	18	80

Best Double Couple:Mo=1.6*10**17
NP1:Strike=122 Dip=60 Slip= 5
NP2: 30 86 150

26 22 52 46.93 30.692N 50.886E 30km
5.1mb (96 obs.) 4.8Msz (24 obs.)
NORTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 21C
Centroid Location:
Origin Time 22:52:49.7 0.6
Lat 30.54N 0.08 Lon 50.65E 0.10
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	3.97	9	285
N	2.44	74	160
P	-6.40	13	17

Best Double Couple:Mo=5.2*10**16
NP1:Strike= 61 Dip=74 Slip= -3
NP2: 152 88 -164

28 15 00 12.53 25.01 S 176.45 W 33km
5.3mb (4 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 32C
Centroid Location:
Origin Time 15:00:18.9 0.8
Lat 25.01S FIX;Lon 176.45W FIX
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.65	42	249
N	-1.18	28	8
P	-8.47	35	120

Best Double Couple:Mo=9.1*10**16
NP1:Strike=269 Dip=26 Slip= 172
NP2: 6 86 62

28 17 16 50.83 13.114S 175.001E 33km

5.4mb (37 obs.) 5.2Msz (32 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 43S, 81C
Centroid Location:
Origin Time 17:16:48.4 0.3
Lat 13.12S 0.03 Lon 175.14E 0.03
Dep 15.0 BDY Half-duration 1.4
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	1.81	18	189
N	0.01	5	97
P	-1.82	71	351

Best Double Couple:Mo=1.8*10**17
NP1:Strike=288 Dip=27 Slip= -78
NP2: 94 63 -96

29 00 53 49.23 21.898S 179.215W 586km
5.3mb (64 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 25C
Centroid Location:
Origin Time 00:53:56.0 0.6
Lat 21.00S 0.09 Lon 179.48W 0.05
Dep 584.0 4.4 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm

	Val	Plg	Azm
T	11.16	16	97
N	-2.34	38	200
P	-8.82	48	349

Best Double Couple:Mo=1.0*10**17
NP1:Strike=147 Dip=44 Slip=-152
NP2: 36 71 -49

29 03 50 53.13 13.387N 120.484E 58km
5.6mb (98 obs.)
MINDORO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 43S, 94C
Centroid Location:
Origin Time 03:50:54.5 0.2
Lat 13.37N 0.03 Lon 120.31E 0.03
Dep 33.4 2.0 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	7.02	57	102
N	1.48	17	344
P	-8.50	27	245

Best Double Couple:Mo=7.8*10**17
NP1:Strike=299 Dip=24 Slip= 43
NP2: 169 74 108

29 06 05 49.19 14.934S 167.257E 113km
5.3mb (42 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 18C
Centroid Location:
Origin Time 06:05:55.1 1.4
Lat 14.89S 0.20 Lon 167.02E 0.13
Dep 117.0 6.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val	Plg	Azm
T	10.43	33	141
N	1.09	23	35
P	-11.52	48	277

Best Double Couple:Mo=1.1*10**17
NP1:Strike=283 Dip=25 Slip= -20
NP2: 32 82 -113

29 06 57 19.56 53.039S 27.396E 10km
5.9mb (65 obs.) 5.3Msz (27 obs.)
SOUTH OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 43S, 83C
Centroid Location:
Origin Time 06:57:23.6 0.2
Lat 52.80S 0.02 Lon 27.69E 0.05
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	4.09	3	195
N	0.68	19	104
P	-4.77	70	293

Best Double Couple:Mo=4.4*10**17
NP1:Strike=304 Dip=46 Slip= -62
NP2: 88 51 -115

29 15 20 38.68 27.978N 52.754E 27km
5.0mb (78 obs.) 4.8Msz (23 obs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 50C
Centroid Location:
Origin Time 15:20:44.1 0.7
Lat 27.98N 0.05 Lon 52.30E 0.04
Dep 40.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val	Plg	Azm
T	6.96	70	234
N	0.75	8	120
P	-7.71	18	28

Best Double Couple:Mo=7.3*10**16
NP1:Strike=104 Dip=28 Slip= 72
NP2: 305 64 99

30 05 23 57.95 22.089S 67.325W 184km
5.3mb (68 obs.)
CHILE-BOLIVIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 81C
Centroid Location:
Origin Time 05:24: 3.8 0.2
Lat 21.98S 0.02 Lon 67.28W 0.02
Dep 179.5 0.8 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	6.51	31	119
N	-0.10	37	2
P	-6.41	38	237

Best Double Couple:Mo=6.5*10**17
NP1:Strike=264 Dip=37 Slip= -6
NP2: 359 86 -127

31 03 36 12.52 23.469N 123.586E 53km
5.3mb (98 obs.)
SOUTHWESTERN RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 03:36:12.9 0.5
Lat 23.47N 0.07 Lon 123.79E 0.05
Dep 37.7 4.3 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	0.93	82	298
N	0.18	3	188
P	-1.11	7	98

Best Double Couple:Mo=1.0*10**17
NP1:Strike=185 Dip=38 Slip= 86
NP2: 10 52 93

31 03 42 07.67 22.756S 179.249E 617km
5.3mb (67 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 62C
Centroid Location:
Origin Time 03:42:12.6 0.2
Lat 22.36S 0.02 Lon 179.35E 0.03
Dep 609.9 1.6 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	4.18	7	207
N	-0.06	28	113
P	-4.12	61	310

Best Double Couple:Mo=4.2*10**17
NP1:Strike=325 Dip=45 Slip= -49
NP2: 94 58 -123

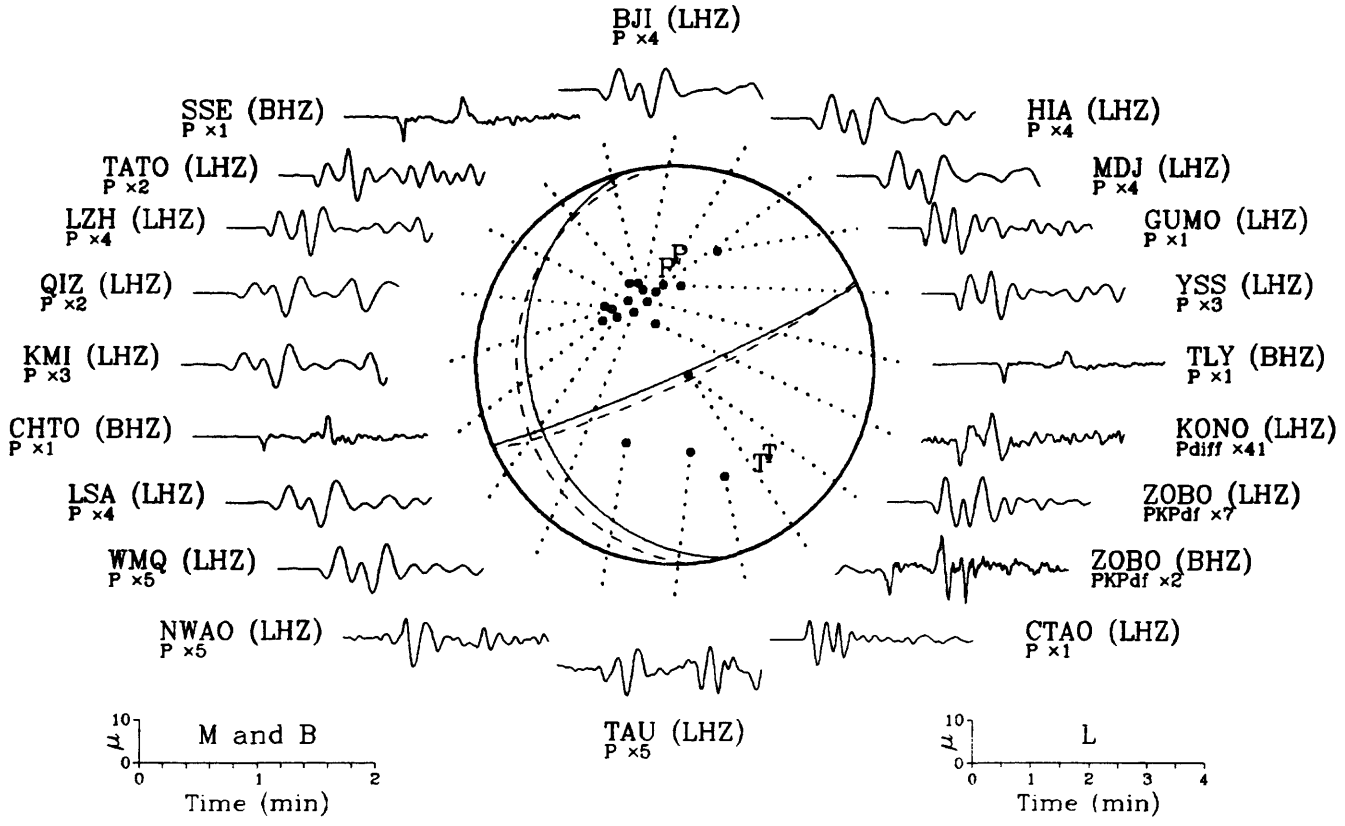
31 10 18 14.25 17.322N 100.910W 30km
5.4mb (61 obs.) 5.0Msz (24 obs.)
GUERRERO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 52C
Centroid Location:
Origin Time 10:18:18.9 0.3
Lat 17.29N 0.03 Lon 100.89W 0.04
Dep 26.2 2.4 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm

	Val	Plg	Azm
T	1.87	64	34
N	0.17	6	292
P	-2.03	25	199

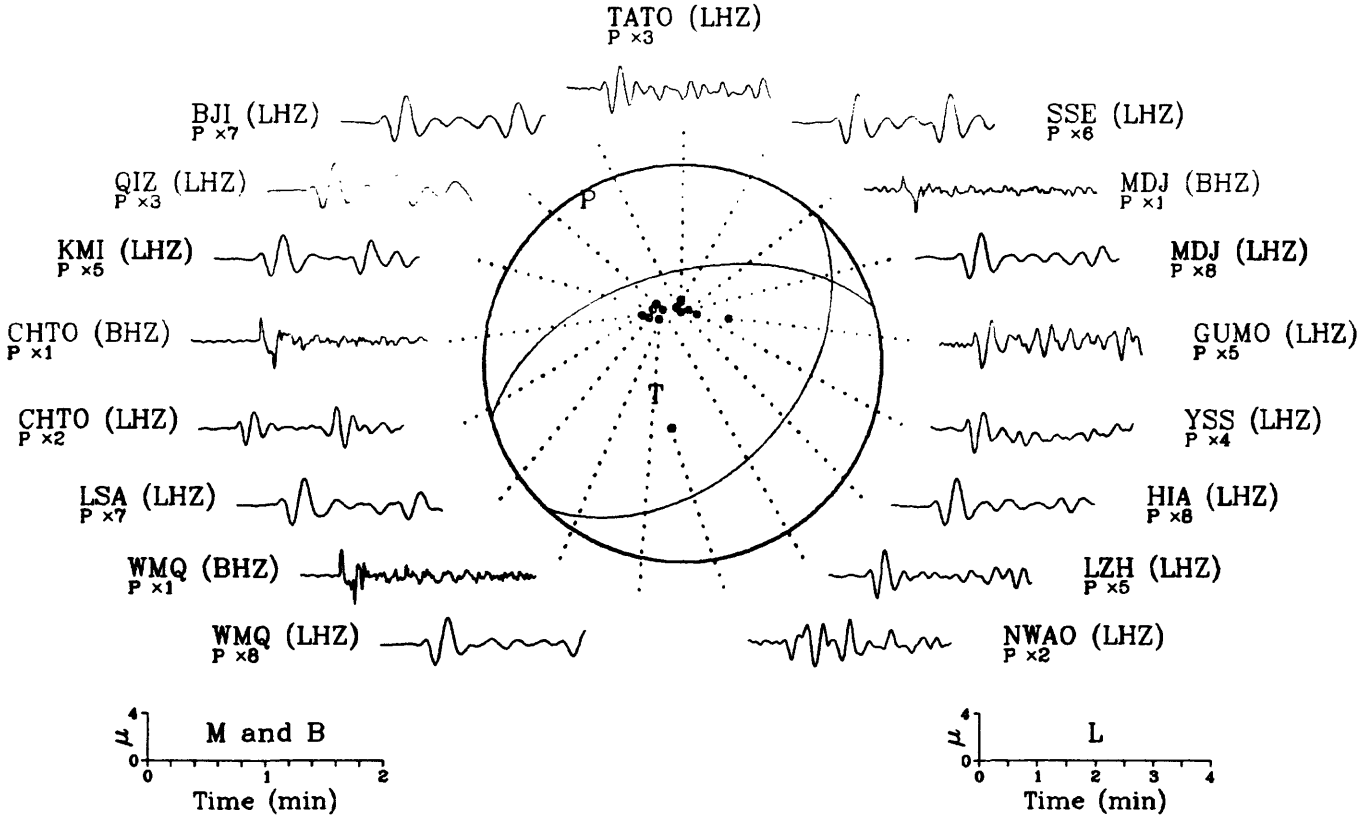
Best Double Couple:Mo=2.0*10**17
NP1:Strike=276 Dip=20 Slip= 73
NP2: 114 71 96

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

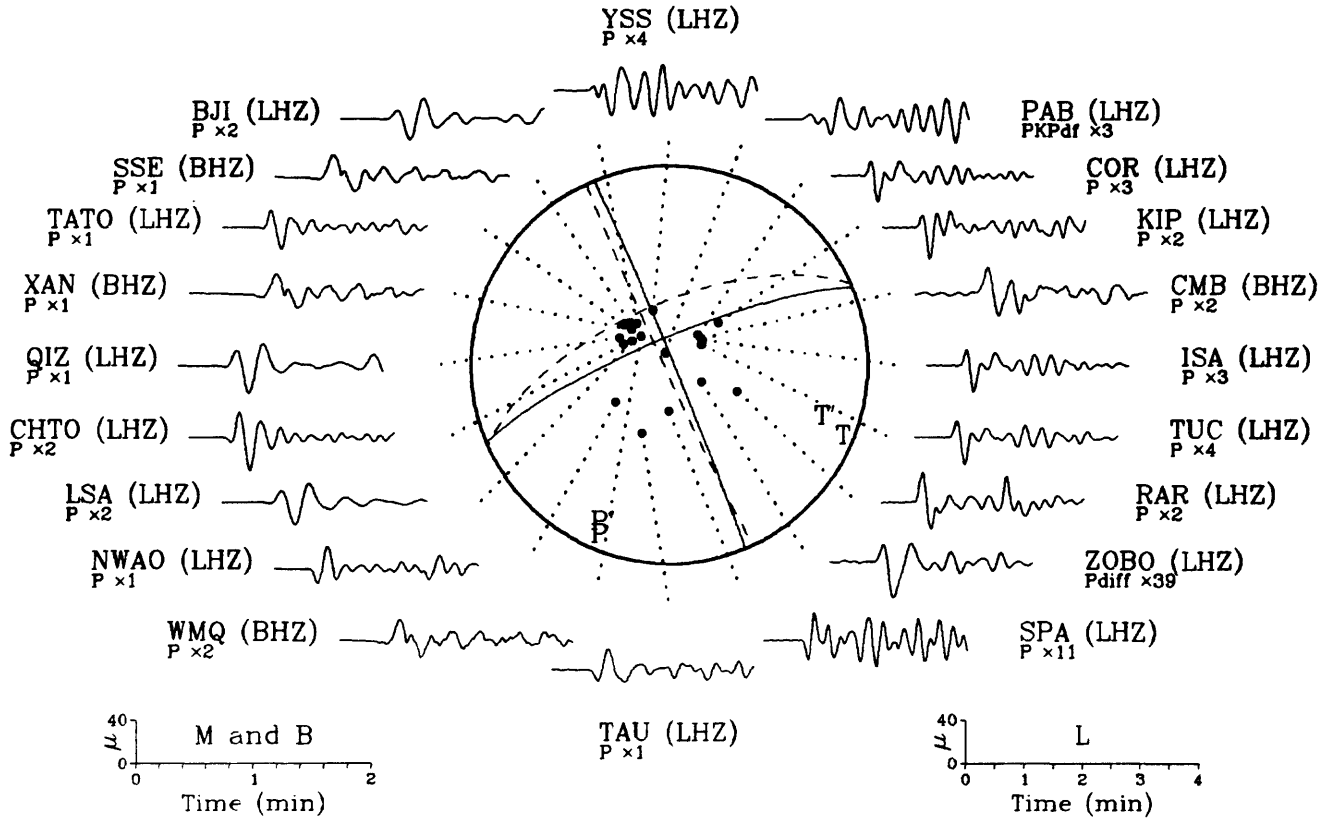
01 March 1993 01:39:27.88
Irian Jaya, Indonesia



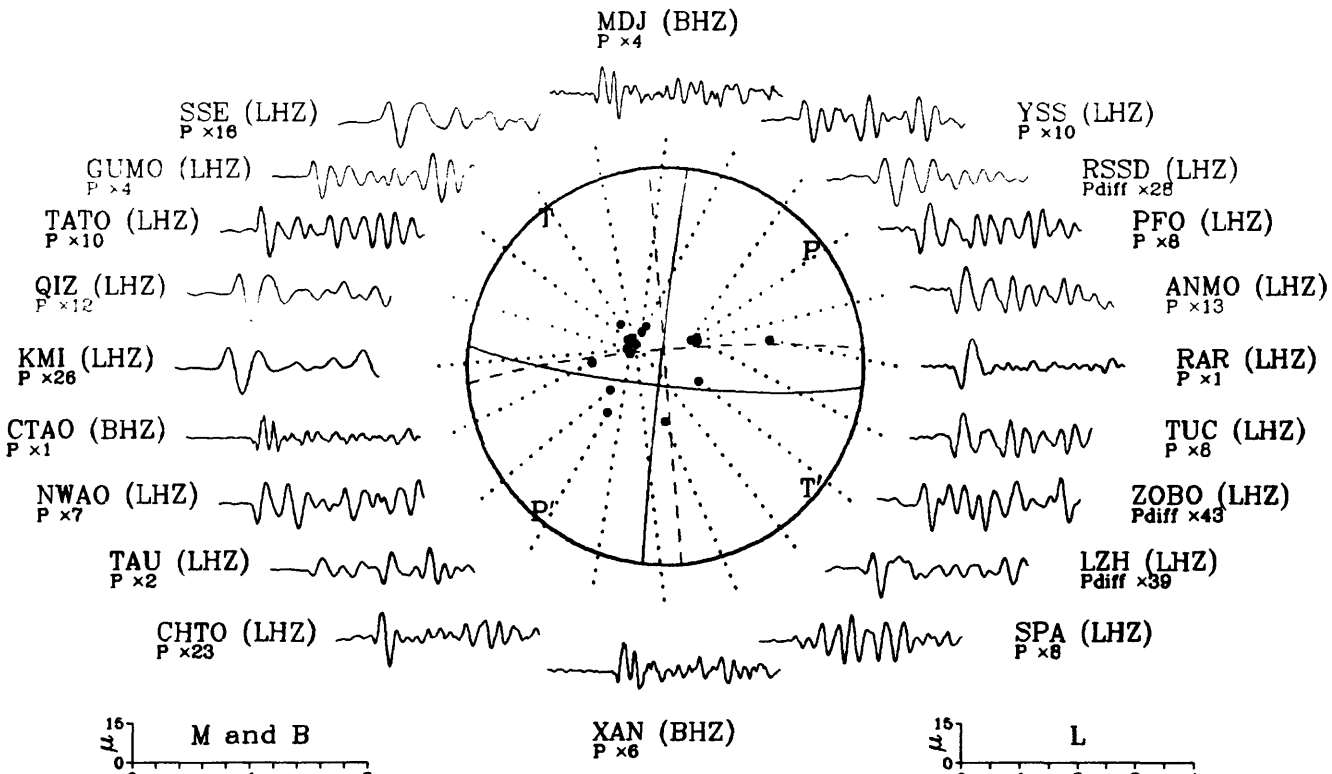
02 March 1993 00:23:59.64
Flores Region, Indonesia



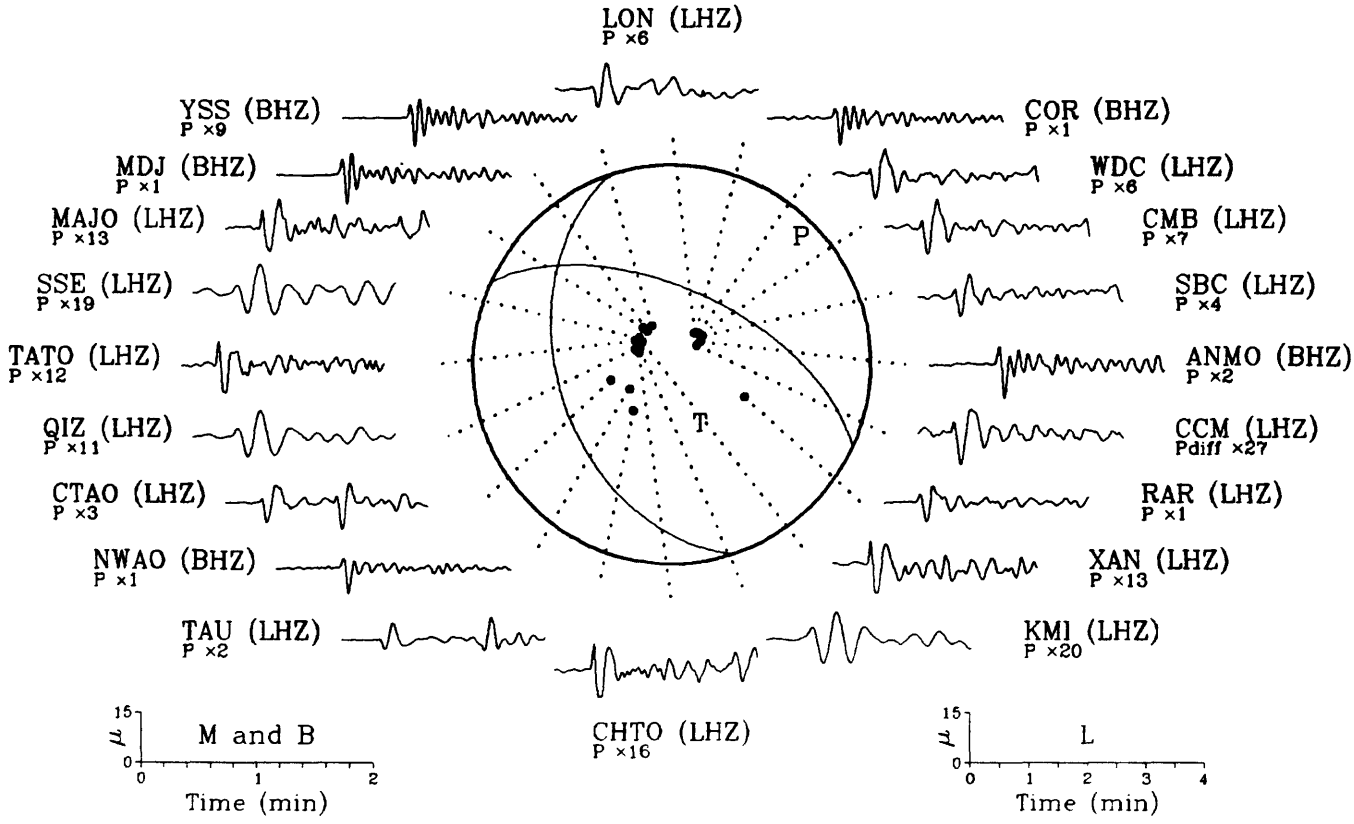
06 March 1993 03:05:49.87
Santa Cruz Islands Region



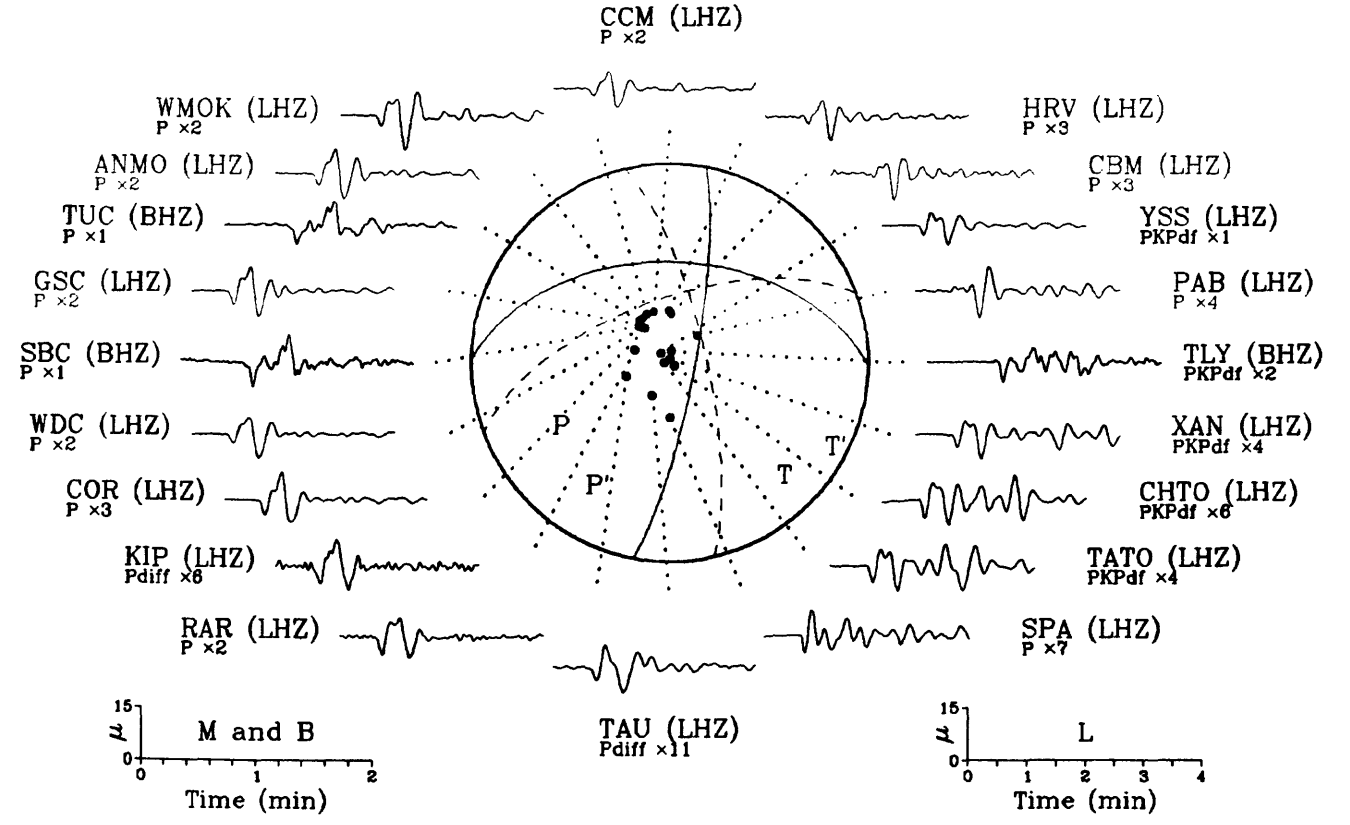
06 March 1993 10:02:06.95
South of Fiji Islands



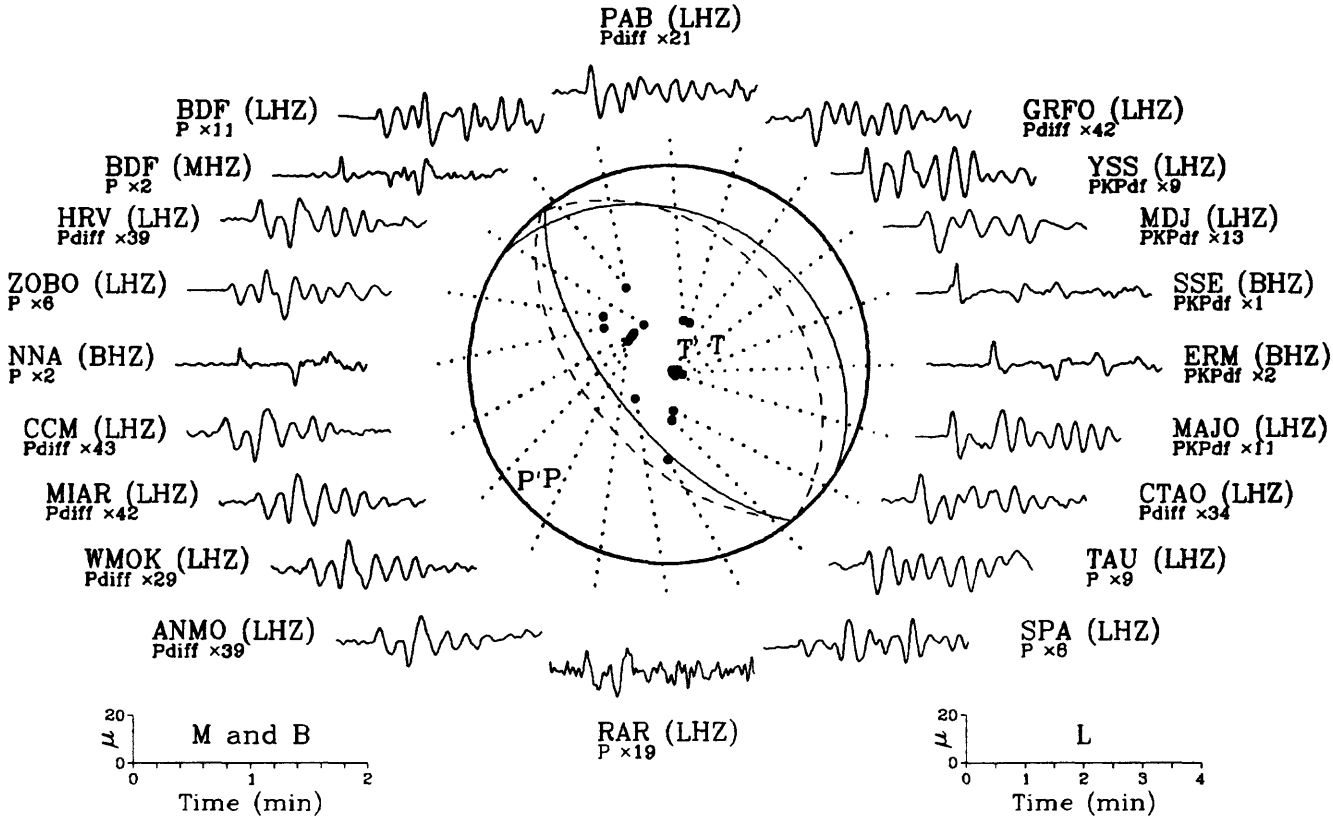
12 March 1993 14:01:35.40
Fiji Islands Region



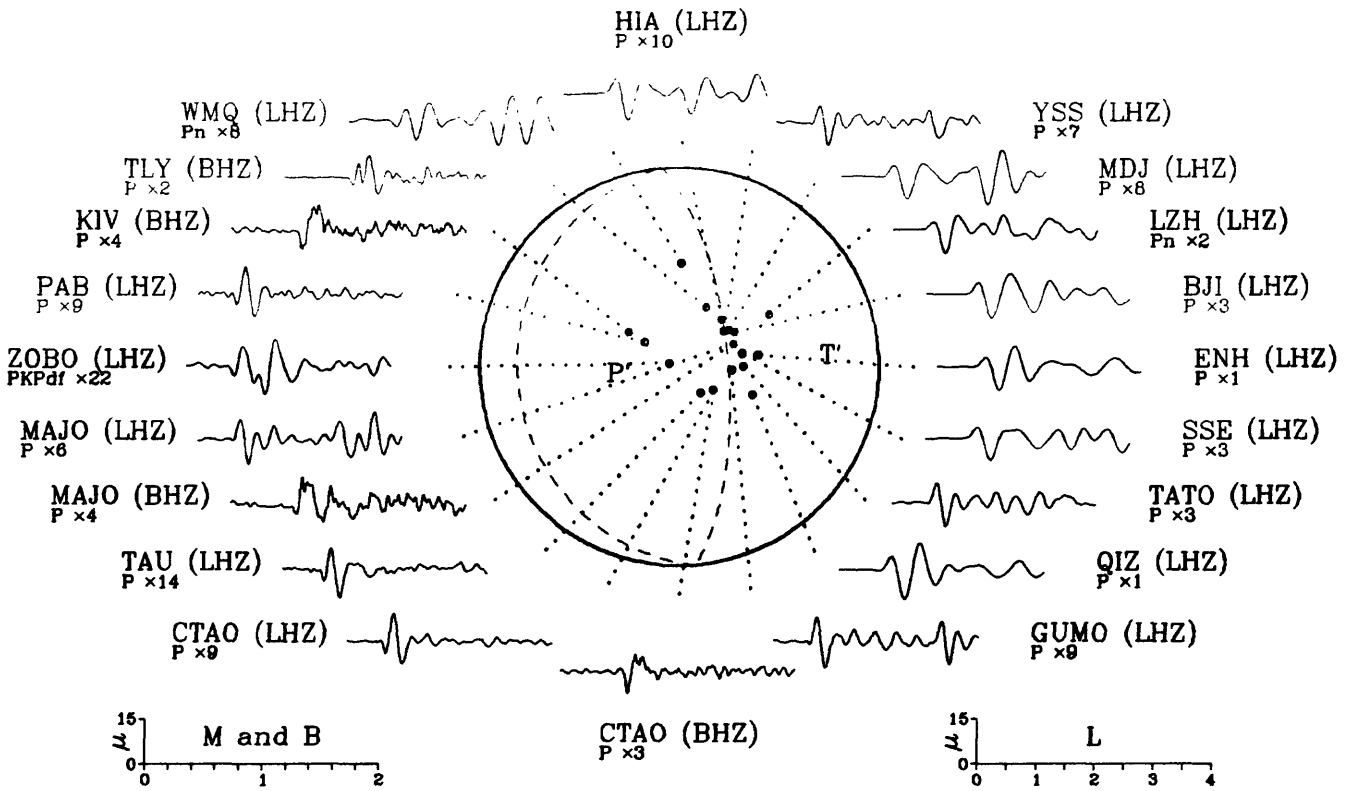
15 March 1993 16:08:57.88
Near Coast of Northern Chile



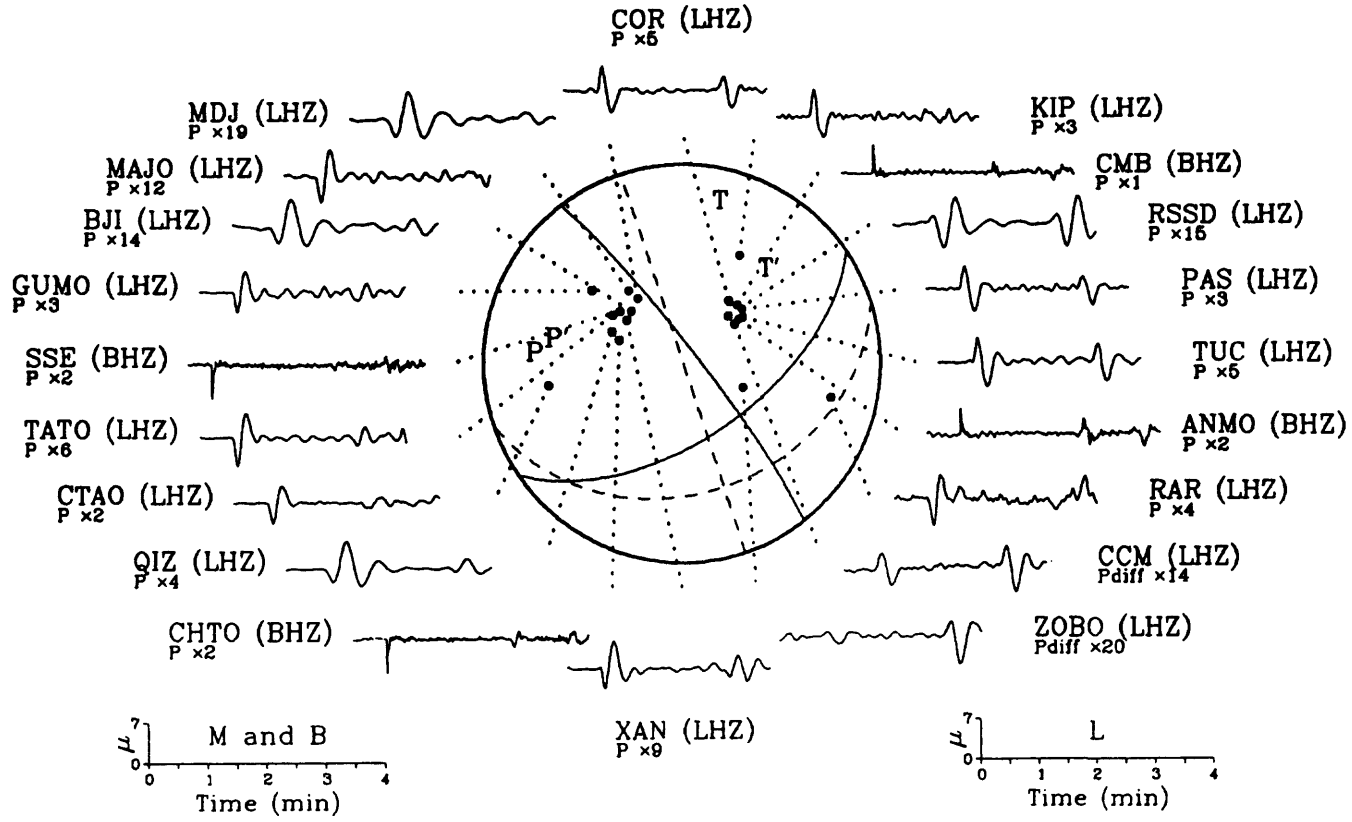
20 March 1993 09:20:32.59
South Sandwich Islands Region



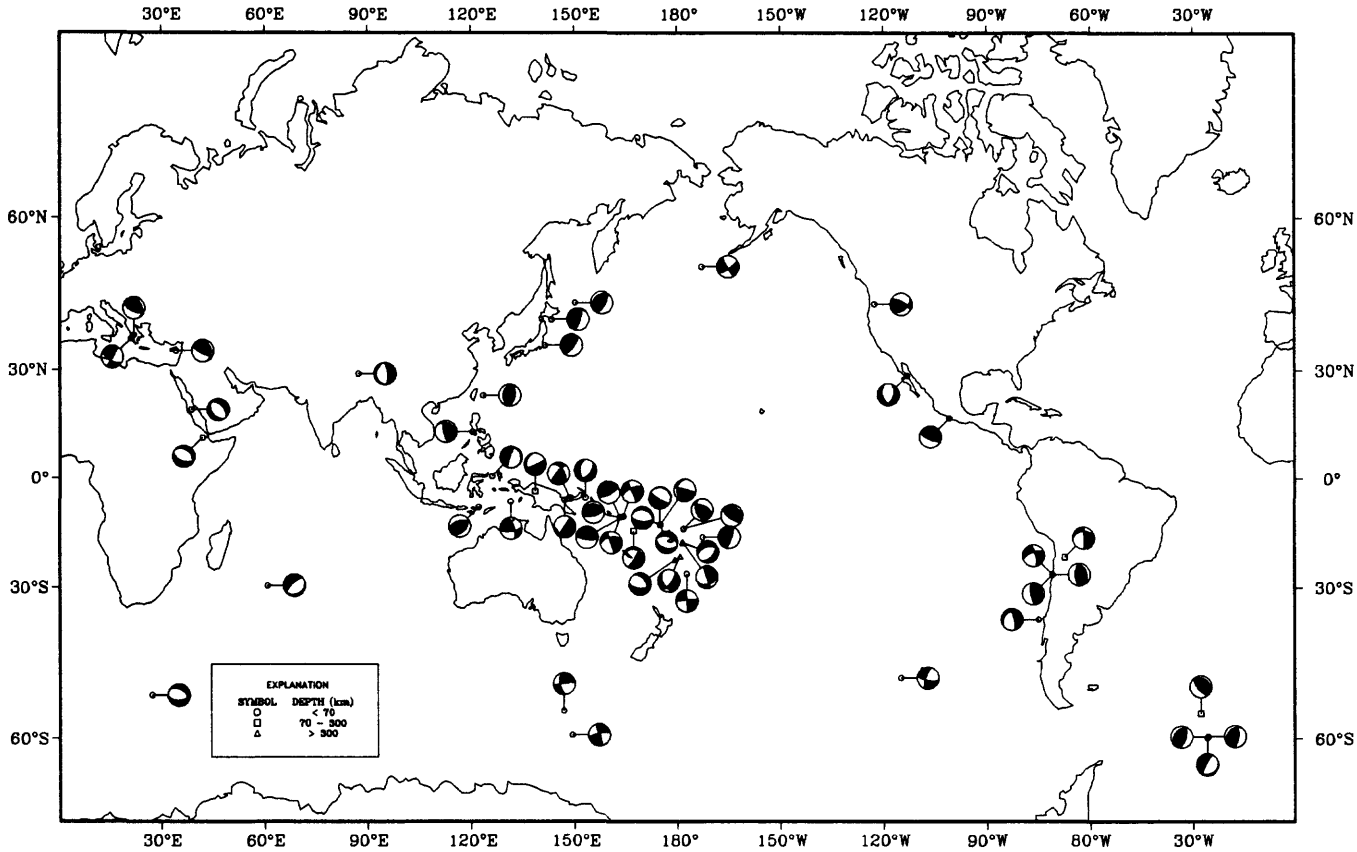
20 March 1993 14:51:59.77
Xizang

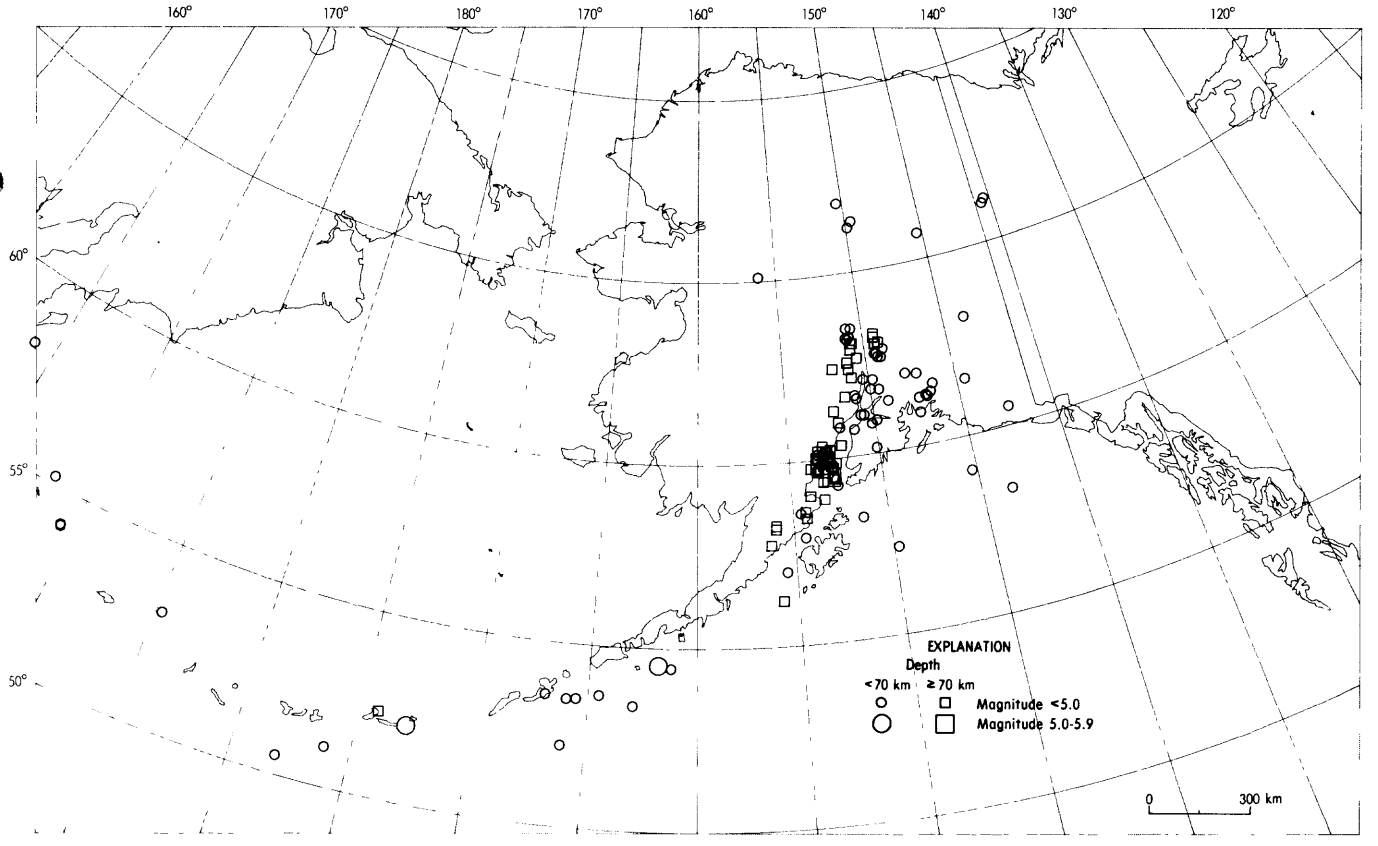


21 March 1993 05:04:59.19
Fiji Islands Region

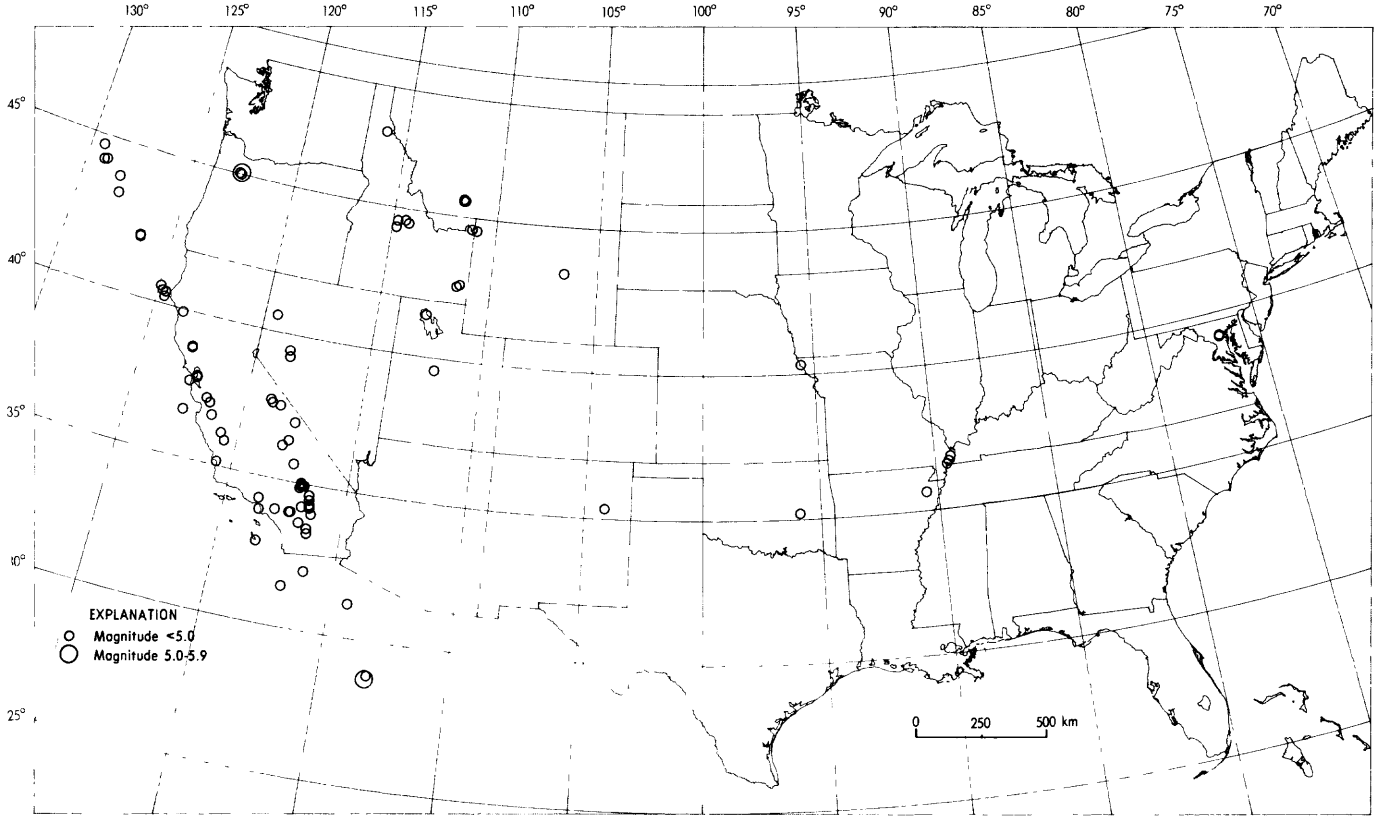


Earthquake Focal Mechanisms for March 1993

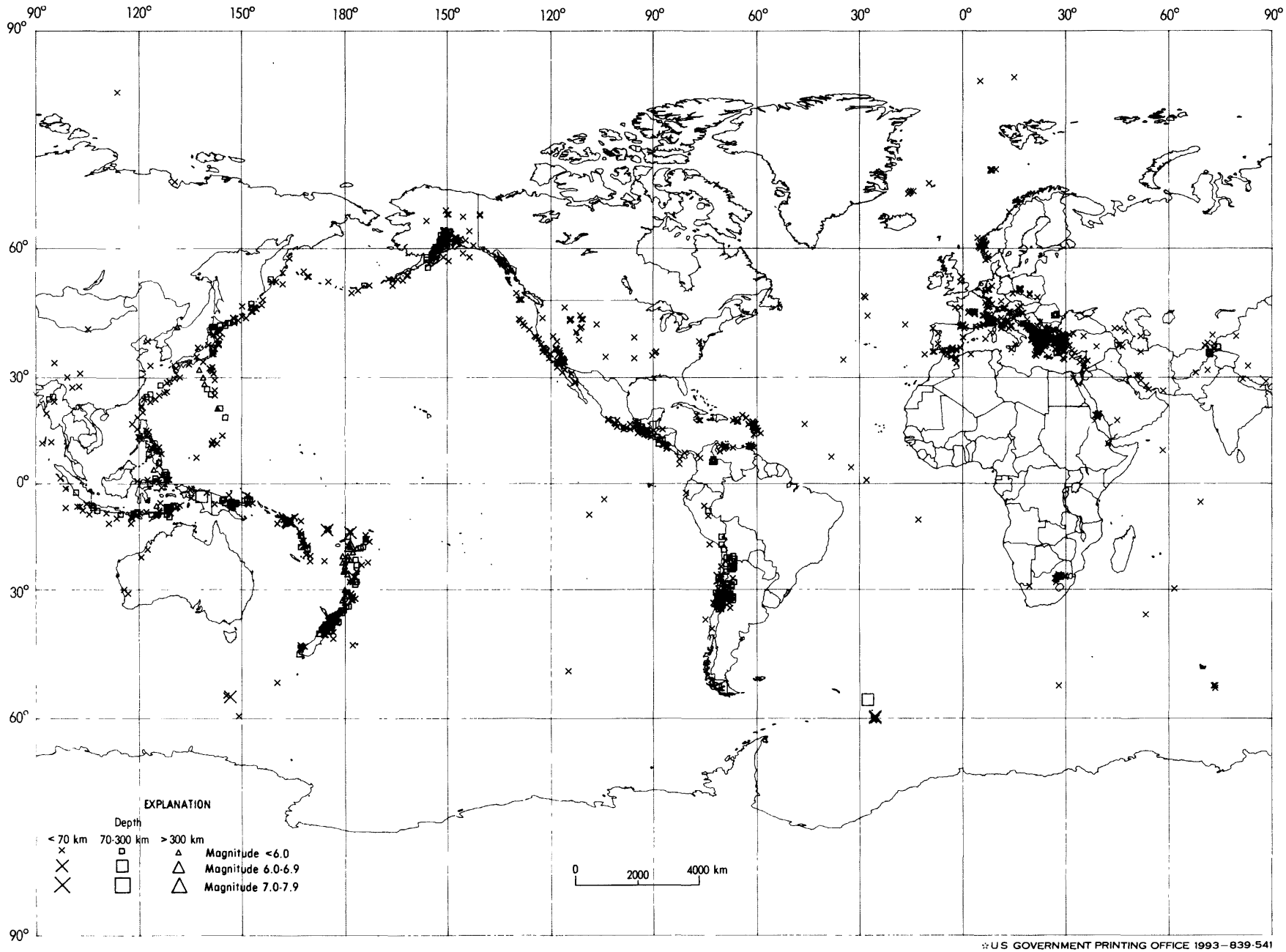




Earthquake epicenters in Alaska and adjacent regions for March, 1993.



Earthquake epicenters in the conterminous United States and adjacent regions for March, 1993.



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Earthquakes located in March, 1993.