UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

JULY - SEPTEMBER 1995

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

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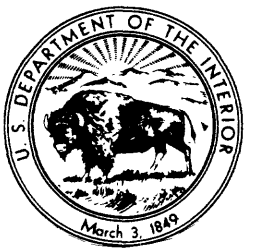

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1995

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

JULY 1995

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	01	06	24.3%	45.665	N	1.210	E	10 G			0.8	6	FRANCE. ML 1.7 (LDG).
	01	01	19	52.6*	36.358	N	33.826	W	10 G	3.5		0.5	8	AZORES ISLANDS REGION
	01	01	42	15.6?	43.88	N	147.56	E	33 N	4.4		1.1	6	KURIL ISLANDS
	01	02	19	22.6*	52.630	N	168.229	W	33 N	3.6		0.9	15	FOX ISLANDS, ALEUTIAN ISLANDS
	01	02	53	51.3&	64.378	N	149.404	W	21				14	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
	01	03	08	06.7	5.655	S	147.189	E	133	4.5		0.9	21	EASTERN NEW GUINEA REG., P.N.G.
	01	03	29	07.0%	37.445	N	3.797	W	25			0.6	14	SPAIN. mbLg 3.4 (MDD).
a	01	04	10	55.1	12.892	N	57.424	E	10 G	5.2	4.6	1.3	159	ARABIAN SEA. Mw 5.3 (HRV).
	01	04	24	58.3*	12.298	S	41.359	E	10 G	4.3		1.1	16	NORTHWEST OF MADAGASCAR
	01	04	35	17.1?	16.78	N	99.81	W	33 N			1.2	8	NEAR COAST OF GUERRERO, MEXICO
	01	04	44	55.5*	11.891	N	125.604	E	33 N	4.6		1.1	20	SAMAR, PHILIPPINE ISLANDS
	01	04	46	33.6*	38.124	N	1.426	W	10 G			1.0	5	SPAIN. mbLg 2.7 (MDD).
	01	05	42	08.9*	50.017	N	18.820	E	5 G			0.1	5	POLAND
	01	06	14	48.1%	43.099	N	18.712	E	10 G			0.3	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	01	06	25	56.3*	4.513	N	94.772	E	100 G	3.9		1.1	10	OFF W COAST OF NORTHERN SUMATERA
	01	06	26	25.4	43.618	N	8.182	E	5 G			0.7	17	CORSICA. ML 2.6 (GEN), 2.3 (LDG).
	01	06	54	47.3*	4.378	N	126.489	E	100 G	4.4		1.1	15	TALAUD ISLANDS, INDONESIA
	01	07	42	26.9*	43.808	N	18.469	E	10 G			0.9	10	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	01	08	42	52.1?	35.26	S	71.19	W	110 G			0.3	10	CENTRAL CHILE. MD 2.7 (SAN).
a	01	09	14	53.9	33.988	S	72.329	W	33 N	4.9	4.4	1.2	102	OFF COAST OF CENTRAL CHILE. Mw 5.2 (HRV). MD 5.0 (SAN). Ms 4.6 (BRK).
	01	09	18	06.8	33.904	S	72.342	W	33 N	4.9		1.1	92	OFF COAST OF CENTRAL CHILE. MD 4.9 (SAN).
	01	09	21	08.6	47.695	N	12.942	E	5 G			1.0	15	AUSTRIA. ML 2.8 (GRF), 2.8 (MOX), 2.6 (FUR), 2.5 (VIE).
	01	09	53	51.2&	64.702	N	147.310	W	24				15	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC). Felt along Chena Hot Springs Road.
	01	11	43	58.1	28.281	S	71.046	W	56 *	4.4		1.1	34	NEAR COAST OF CENTRAL CHILE
	01	11	47	53.3*	14.716	N	93.471	W	33 N	4.6		1.3	24	NEAR COAST OF CHIAPAS, MEXICO
	01	11	52	07.3?	44.19	N	11.08	E	5 G			0.5	7	NORTHERN ITALY. MD 3.1 (FIR).
	01	13	26	50.0*	23.920	N	142.676	E	33 N	4.4		1.5	12	VOLCANO ISLANDS REGION
	01	13	40	48.0&	57.978	N	154.933	W	43				10	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
	01	14	27	42.0	13.006	N	57.509	E	10 G	4.6		1.1	50	ARABIAN SEA
	01	15	44	54.3*	44.502	N	6.882	E	10 G			0.5	5	FRANCE. ML 2.0 (GEN).
	01	17	05	00.6	43.004	N	18.757	E	10 G			0.5	10	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	01	17	47	38.9*	5.843	N	94.277	E	100 G	4.2		1.3	18	NORTHERN SUMATERA, INDONESIA
	01	17	48	17.7	44.106	N	11.044	E	10 G			1.2	10	NORTHERN ITALY. MD 3.5 (FIR).
	01	18	06	55.4?	5.57	S	147.04	E	200	3.8		0.7	9	EASTERN NEW GUINEA REG., P.N.G.
	01	18	24	18.1%	44.444	N	7.316	E	10 G			0.3	5	NORTHERN ITALY. ML 1.9 (GEN).
	01	18	35	01.3*	15.141	S	173.481	W	33 N	4.3		0.9	36	TONGA ISLANDS
	01	19	00	42.1*	44.745	N	145.383	E	194 ?	4.1		1.3	19	HOKKAIDO, JAPAN REGION
	01	19	05	04.4	45.031	N	28.081	W	10 G	4.2	3.7	1.0	32	NORTHERN MID-ATLANTIC RIDGE
	01	19	22	52.6?	0.68	N	122.66	E	33 N	4.4		0.9	10	MINAHASSA PENINSULA, SULAWESI
	01	20	03	02.6*	0.970	N	122.278	E	33 N	4.2		0.5	9	MINAHASSA PENINSULA, SULAWESI
	01	20	22	39.2*	38.060	N	22.539	E	10 G	3.9		1.3	15	GREECE
	01	21	10	47.7*	21.239	S	68.406	W	136 *	3.9		1.2	14	CHILE-BOLIVIA BORDER REGION
	01	21	27	01.2?	34.24	N	137.07	E	33 N	4.2		0.2	4	NEAR S. COAST OF HONSHU, JAPAN
	01	21	27	34.7*	53.084	N	142.723	E	33 N	4.4		0.8	16	SAKHALIN ISLAND
	01	21	56	54.2	75.787	N	0.003	W	10 G	4.6	3.8	0.9	43	GREENLAND SEA
	01	21	58	00.8	38.059	N	22.586	E	10 G	4.1		1.2	59	GREECE. ML 4.2 (ROM). Felt at Aiyion.
	01	22	55	20.2	51.620	N	16.044	E	10 G			0.6	10	POLAND
	01	23	25	52.4%	33.792	S	70.661	W	90 G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
a	01	23	57	44.2	55.413	S	27.654	W	33 N	5.0	5.3	1.0	43	SOUTH SANDWICH ISLANDS REGION. Mw 5.7 (HRV).
	02	00	13	41.3%	44.481	N	7.083	E	5 G			0.3	7	NORTHERN ITALY. ML 2.1 (GEN).
	02	00	13	58.6*	6.610	S	147.515	E	33 N	4.3		0.2	5	EASTERN NEW GUINEA REG., P.N.G. ML 4.2 (PMG).
	02	00	16	25.6?	24.16	S	179.95	E	600 G	3.7		0.6	7	SOUTH OF FIJI ISLANDS
	02	00	36	05.3	32.782	S	70.157	W	110 G			0.2	13	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	02	00	47	42.3%	45.957	N	2.784	E	10 G			0.5	12	FRANCE. ML 2.2 (LDG).
	02	00	48	43.2%	14.980	N	60.360	W	40 G			0.4	12	WINDWARD ISLANDS
	02	00	55	46.4*	3.910	N	126.842	E	33 N	4.3		1.0	14	TALAUD ISLANDS, INDONESIA

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a	02	01	14	17.1	9.762	S	74.589	W	131	D	5.2		0.9	243	CENTRAL PERU. Mw 5.3 (HRV).
	02	01	15	31.9&	64.212	N	147.411	W	7					61	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC), 3.9 (PMR). Felt in the Salcha area.
	02	01	30	41.2*	16.864	N	99.730	W	21				0.3	10	NEAR COAST OF GUERRERO, MEXICO
	02	01	37	27.7&	61.737	N	149.704	W	46					74	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.3 (PMR).
	02	02	34	35.2*	3.126	S	26.457	E	10	G	4.4		0.6	7	ZAIRE. mbLg 3.7 (BUL).
	02	03	03	36.7?	4.48	S	77.77	W	150	G	3.9		1.5	9	NORTHERN PERU
	02	03	21	15.2*	64.372	N	147.665	W	10	G			1.7	7	CENTRAL ALASKA. ML 2.9 (PMR).
	02	03	35	10.4	31.011	N	65.170	W	10	G	4.7	3.9	1.4	60	NORTH ATLANTIC OCEAN
	02	03	58	55.5?	11.87	N	88.42	W	33	N	4.3		1.2	20	OFF COAST OF CENTRAL AMERICA
	02	04	13	00.9%	33.312	S	70.449	W	100	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
	02	04	35	00.5?	5.85	S	149.94	E	33	N	4.0		0.4	5	NEW BRITAIN REGION, P.N.G.
	02	04	41	28.1%	34.491	S	70.384	W	5	G			0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
	02	04	49	35.2&	37.577	N	118.848	W	7					33	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
	02	05	54	07.7?	11.92	N	125.85	E	33	N	4.4		1.3	10	SAMAR, PHILIPPINE ISLANDS
	02	06	09	16.0?	42.47	N	126.73	W	10	G			0.5	11	OFF COAST OF OREGON
	02	09	03	13.1*	46.138	N	149.630	E	33	N	4.5		1.1	41	KURIL ISLANDS
	02	09	29	22.3	46.138	N	149.676	E	33	N	4.6		1.0	54	KURIL ISLANDS
	02	09	37	42.4*	23.071	S	179.628	W	500	G	4.4		1.0	13	SOUTH OF FIJI ISLANDS
	02	10	11	20.1?	23.04	S	169.43	E	150	G	4.0		0.8	11	LOYALTY ISLANDS REGION
	02	10	13	35.2?	23.27	S	170.56	E	33	N	4.4		1.4	9	LOYALTY ISLANDS REGION
	02	10	32	41.3	23.256	N	125.705	E	33	N	4.4		1.3	35	SOUTHWESTERN RYUKYU ISLANDS
	02	10	50	22.4	3.556	N	126.683	E	55	*	4.9	4.3	1.1	60	TALAUD ISLANDS, INDONESIA
	02	11	14	57.8*	24.234	S	179.808	E	500	G	4.2		0.9	19	SOUTH OF FIJI ISLANDS
	02	11	50	14.9	12.706	N	88.615	W	64		4.5		1.2	58	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.
	02	11	56	31.3*	9.144	S	123.863	E	127	*	4.5		1.2	18	TIMOR REGION, INDONESIA
	02	12	15	19.8?	28.56	S	62.64	E	10	G	4.1		0.8	5	SOUTHWEST INDIAN RIDGE
	02	12	33	48.7	13.061	N	144.736	E	73		4.8		0.9	35	MARIANA ISLANDS. Felt (III) in the Tamuning-Tumon area, Guam.
	02	13	19	17.6?	4.54	S	143.25	E	100	G	3.7		0.9	5	NEW GUINEA, PAPUA NEW GUINEA
	02	15	12	26.3?	2.81	N	128.83	E	140	G	3.8		0.9	7	HALMAHERA, INDONESIA
	02	15	18	26.5?	47.65	N	1.83	W	10	G			0.4	5	FRANCE. ML 2.4 (LDG).
	02	17	17	09.6	44.170	N	7.113	E	10	G			0.5	13	NORTHERN ITALY. ML 2.3 (GEN), 2.3 (LDG).
	02	17	46	28.9	19.722	S	69.013	W	105	D	4.5		0.7	53	NORTHERN CHILE
	02	18	47	53.8?	46.87	N	143.86	E	390	?	4.2		0.6	8	SAKHALIN ISLAND
	02	19	13	21.9	1.773	S	100.394	E	75	*	4.5		0.8	32	SOUTHERN SUMATERA, INDONESIA
	02	19	33	41.4	41.349	N	19.534	E	10	G			1.0	17	ALBANIA. ML 3.1 (TTG), 2.6 (TIR).
	02	21	33	41.0*	33.805	N	141.912	E	33	N	4.2		0.9	8	OFF EAST COAST OF HONSHU, JAPAN
	02	21	43	41.1?	38.02	N	22.44	E	10	G	3.5		1.4	6	GREECE
	02	22	16	17.5?	24.68	S	179.72	E	600	G	3.9		0.8	9	SOUTH OF FIJI ISLANDS
	02	23	01	03.9?	34.04	S	72.53	W	33	N			0.5	12	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
	02	23	26	41.1%	45.955	N	2.786	E	10	G			0.5	10	FRANCE. ML 1.7 (LDG).
a	02	23	53	21.8	35.039	N	139.393	E	120	D	5.4		0.9	366	NEAR S. COAST OF HONSHU, JAPAN. Mw 5.3 (HRV). Felt (IV JMA) in southern Chiba Prefecture, eastern Kanagawa Prefecture and along the Izu Peninsula of Shizuoka Prefecture. Felt (III JMA) in the Tokyo area.
	03	00	34	19.3	39.086	N	41.461	E	33	N	4.3		1.2	80	TURKEY. Felt in the Bingol-Erzurum area.
	03	00	35	10.4?	38.91	N	41.65	E	33	N	4.0		0.6	6	TURKEY. Felt in the Bingol-Erzurum area.
	03	00	54	43.4*	30.932	N	142.490	E	28	D	4.4		1.3	15	SOUTH OF HONSHU, JAPAN
	03	00	59	47.9	27.361	N	92.420	E	33	N	4.7		1.0	69	EASTERN XIZANG-INDIA BORDER REG.
	03	01	11	57.1*	14.307	N	144.264	E	47	*	4.4		0.7	13	MARIANA ISLANDS
	03	01	21	24.4?	47.49	N	1.95	W	5	G			0.6	5	FRANCE. ML 2.4 (LDG).
	03	01	47	16.1*	18.350	S	168.623	E	33	N	4.3		1.1	29	VANUATU ISLANDS
	03	02	03	05.9*	37.637	S	177.285	E	33	N	4.2		0.9	12	OFF E. COAST OF N. ISLAND, N.Z.
	03	02	28	21.7	41.880	N	19.529	E	10	G			1.1	14	ALBANIA. ML 3.4 (TIR), 2.6 (TTG).
	03	02	36	41.9	36.486	N	70.876	E	200	G	4.2		0.9	52	HINDU KUSH REGION, AFGHANISTAN
	03	03	04	04.5&	44.000	N	99.500	W	5	G				3	SOUTH DAKOTA. <MACRO>. mbLg 2.8 (GS). Felt (III) at Lower Brule and Stephan. Also felt at Big Bend Dam, Fort Thompson and Gann Valley.
	03	04	19	39.5?	46.88	N	5.66	E	10	G			0.8	5	FRANCE. ML 2.2 (LDG).
	03	05	05	20.1*	27.737	N	52.349	E	33	N	4.5		1.1	13	SOUTHERN IRAN
	03	05	05	43.9?	33.98	S	72.29	W	20	G			0.4	9	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	03	05	36	42.3	24.096	S	66.849	W	194	*	4.4		1.0	40	SALTA PROVINCE, ARGENTINA
	03	05	37	22.5*	15.800	N	147.271	E	33	N	4.3		0.9	15	MARIANA ISLANDS REGION
	03	06	08	53.1*	0.787	S	120.768	E	33	N	4.5		1.3	17	MINAHASSA PENINSULA, SULAWESI
	03	06	39	48.3%	33.631	S	70.204	W	110	G			0.2	8	CHILE-ARGENTINA BORDER REGION
	03	07	11	40.7?	41.68	N	146.17	E	33	N	4.5		1.1	5	OFF COAST OF HOKKAIDO, JAPAN
	03	07	16	13.4&	41.027	N	123.426	W	38					4	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
	03	08	37	39.2?	23.81	S	179.88	E	600	G	4.3		0.3	8	SOUTH OF FIJI ISLANDS
	03	09	41	18.2?	17.72	N	61.55	W	5	G			0.5	5	LEEWARD ISLANDS. MD 3.4 (TRN). ML 3.3 (FDF).
	03	09	48	57.0*	3.802	S	135.147	E	33	N	4.6	4.3	1.2	19	IRIAN JAYA REGION, INDONESIA
	03	10	40	55.5	15.206	S	178.957	W	387	*	4.7		1.0	52	FIJI ISLANDS REGION
	03	11	58	33.0?	44.58	N	7.07	E	5	G			0.2	4	NORTHERN ITALY. ML 2.1 (GEN).
a	03	12	01	56.7	12.820	N	144.914	E	76	D	5.2		1.0	158	SOUTH OF MARIANA ISLANDS. Mw 5.2 (HRV). Felt (IV) on Guam.
	03	12	10	26.9?	17.39	N	145.05	E	33	N	4.6	4.3	1.4	12	MARIANA ISLANDS
a	03	12	15	34.8	3.788	S	135.161	E	33	N	5.1	4.8	1.1	79	IRIAN JAYA REGION, INDONESIA. Mw 5.5 (HRV).
	03	12	28	34.9	1.589	N	128.505	E	72	D	4.5		1.1	27	HALMAHERA, INDONESIA
	03	13	04	01.0?	24.36	S	179.54	E	600	G	4.0		0.8	8	SOUTH OF FIJI ISLANDS
	03	13	09	57.9%	44.392	N	7.393	E	10	G			0.3	7	NORTHERN ITALY. ML 1.9 (GEN).
	03	14	26	58.8	20.681	S	177.714	W	451	?	3.8		1.0	20	FIJI ISLANDS REGION
	03	15	03	59.2&	62.833	N	148.346	W	64					60	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
	03	15	09	36.3	44.718	N	6.810	E	5	G			0.6	15	FRANCE. ML 2.4 (GEN), 2.2 (LDG).
	03	15	42	39.8?	7.26	S	130.04	E	100	G	3.3		1.1	5	TANIMBAR ISLANDS REG., INDONESIA
	03	16	31	54.6%	17.904	N	66.743	W	5	G			0.3	5	PUERTO RICO REGION. MD 2.2 (MPR).
	03	16	46	47.4	19.324	N	64.643	W	33	N	3.9		1.1	14	VIRGIN ISLANDS. MD 3.9 (MPR).
	03	17	34	31.8?	10.18	N	124.56	E	33	N	4.2		0.3	7	LEYTE, PHILIPPINE ISLANDS
	03	17	52	43.4	6.325	S	125.642	E	529	*	4.6		0.8	27	BANDA SEA
	03	18	21	36.3%	46.963	N	2.443	E	10	G			0.2	8	FRANCE
	03	19	17	29.7	3.785	S	135.161	E	33	N	4.7		0.5	13	IRIAN JAYA REGION, INDONESIA
a	03	19	50	50.6	29.211	S	177.589	W	35	G	6.5	7.2	1.2	538	KERMADEC ISLANDS, NEW ZEALAND. Mw 7.2 (GS), 7.2 (HRV). Me 6.8 (GS). Ms 7.2 (BRK). Mo=5.6*10**19 Nm (PPT). Felt

														(VI) on Raoul Island. Depth from broadband displacement seismograms.
	03	20	28	39.0%	15.522	N	61.354	W	150	G			0.4	9 LEEWARD ISLANDS. MG 3.1 (FDF).
	03	20	30	50.0&	48.810	N	122.460	W	19					35 WASHINGTON. <SEA-P>. MD 2.9 (SEA). Felt.
	03	20	37	10.0?	16.69	N	101.08	W	33	N			0.5	10 NEAR COAST OF GUERRERO, MEXICO
	03	20	50	12.2?	29.30	S	177.60	W	33	N	4.1		1.1	13 KERMADEC ISLANDS, NEW ZEALAND
	03	20	53	43.0	36.967	N	117.614	W	5	G			0.9	15 CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS).
	03	21	27	55.7	43.179	N	145.823	E	33	N	4.7		1.0	32 HOKKAIDO, JAPAN REGION
	03	21	56	51.4	29.117	S	177.627	W	54	D	6.1	5.8	1.0	400 KERMADEC ISLANDS, NEW ZEALAND
	03	22	29	58.3	38.239	N	22.322	E	10	G	4.4		1.3	73 GREECE. ML 4.6 (ROM), 4.4 (TIR).
	03	23	32	24.3	46.793	N	5.791	E	10	G			0.8	9 FRANCE. ML 2.5 (LDG).
	04	00	23	15.1*	38.313	N	22.600	E	33	N	3.6		1.0	11 GREECE
	04	00	50	38.9*	24.140	S	179.877	E	500	G	4.3		0.9	48 SOUTH OF FIJI ISLANDS
	04	02	36	14.8	7.628	S	127.387	E	117		4.9		0.9	96 BANDA SEA
	04	02	43	36.4	33.175	S	69.154	W	10	G			0.8	11 CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	04	02	46	10.0	7.016	S	147.549	E	68		4.5		0.8	19 EASTERN NEW GUINEA REG., P.N.G.
	04	02	54	53.3	45.546	N	7.504	E	10	G			0.6	14 NORTHERN ITALY. ML 2.6 (GEN), 2.5 (LDG).
	04	03	01	11.3	28.020	S	178.053	W	33	N	5.3	5.0	0.9	61 KERMADEC ISLANDS REGION
	04	03	08	06.6&	60.014	N	153.252	W	139					55 SOUTHERN ALASKA. <AEIC>.
	04	03	13	44.3*	28.182	N	139.992	E	450	G	3.9		0.3	9 BONIN ISLANDS REGION
	04	03	26	15.4	79.996	N	94.941	E	10	G	4.6	4.5	0.9	71 SEVERNAYA ZEMLYA, RUSSIA
	04	03	28	50.6*	7.507	N	126.485	E	148	D	4.5		0.7	17 MINDANAO, PHILIPPINE ISLANDS
	04	03	43	43.1%	34.005	S	70.059	W	10	G			0.1	7 CHILE-ARGENTINA BORDER REGION
	04	03	59	04.5	36.246	N	104.814	W	5	G			1.0	25 NEW MEXICO. ML 3.8 (GS). Felt (IV) at Ocate; (III) at Miami and Sapello; (II) at Cimarron.
a	04	04	22	17.8	28.045	S	178.124	W	33	N	5.2	5.0	0.9	78 KERMADEC ISLANDS REGION. Mw 5.6 (HRV).
	04	05	13	15.1%	37.153	N	4.046	W	10	G			0.3	5 SPAIN. mbLg 2.5 (MDD).
	04	05	50	04.9*	16.253	S	176.333	W	400	G	4.4		1.0	23 FIJI ISLANDS REGION
	04	05	51	31.0?	44.29	N	140.99	E	200	G	3.7		1.2	8 EASTERN SEA OF JAPAN
	04	06	38	13.9	27.946	S	26.718	E	5	G	4.2		1.4	17 REPUBLIC OF SOUTH AFRICA. ML 3.7 (PRE). mbLg 3.7 (BUL).
	04	07	24	09.8&	63.558	N	151.016	W	13					59 CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.6 (PMR). Felt at Denali National Park.
	04	07	44	12.8?	10.87	N	125.20	E	33	N	3.9		0.6	5 LEYTE, PHILIPPINE ISLANDS
	04	07	58	47.8%	44.335	N	7.397	E	10	G			0.5	8 NORTHERN ITALY. ML 2.1 (GEN).
	04	08	13	18.1&	60.277	N	140.963	W	0					32 SOUTHEASTERN ALASKA. <AEIC>. ML 2.8 (AEIC).
	04	08	30	18.0*	20.499	S	175.109	W	33	N	4.3		0.9	21 TONGA ISLANDS
	04	08	45	47.3*	2.736	S	141.941	E	33	N	4.0		1.1	9 NEAR N COAST OF NEW GUINEA, PNG.
	04	09	04	44.8*	11.524	N	125.865	E	33	N	4.4		1.0	21 SAMAR, PHILIPPINE ISLANDS
	04	10	06	41.9	7.317	S	128.828	E	210	*	4.8		0.7	23 BANDA SEA
	04	10	06	51.1%	44.389	N	7.364	E	10	G			0.3	5 NORTHERN ITALY. ML 2.0 (GEN).
	04	11	09	28.4?	10.02	S	125.00	E	33	N	3.4		1.1	7 TIMOR SEA
	04	11	23	54.5?	34.67	S	72.45	W	10	G			0.7	9 NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	04	11	46	24.0?	8.79	S	123.03	E	33	N	3.7		1.6	7 FLORES REGION, INDONESIA
a	04	12	27	56.1	29.319	S	177.430	W	33	N	5.1		1.0	92 KERMADEC ISLANDS, NEW ZEALAND. Mw 5.2 (HRV).
	04	13	19	16.2*	51.705	N	179.953	W	33	N	4.0		0.7	14 ANDREANOF ISLANDS, ALEUTIAN IS.
	04	14	14	47.9*	2.967	S	141.803	E	33	N	3.9		1.2	11 NEAR N COAST OF NEW GUINEA, PNG.
	04	14	18	03.3?	29.12	S	178.43	W	400	G	3.9		1.5	12 KERMADEC ISLANDS, NEW ZEALAND
	04	14	49	07.0?	29.14	S	177.02	W	33	N	4.5		0.7	9 KERMADEC ISLANDS, NEW ZEALAND
	04	16	23	50.6*	30.443	N	138.746	E	426	*	4.0		0.3	13 SOUTH OF HONSHU, JAPAN
	04	16	26	39.4&	60.401	N	151.725	W	60					74 KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
	04	16	40	36.3	30.302	N	94.883	E	45		4.8		1.0	90 XIZANG
	04	16	42	56.3?	1.45	S	127.41	E	75	?	3.7		1.2	5 HALMAHERA, INDONESIA
	04	16	48	31.2	7.802	S	112.965	E	64		4.2		0.7	21 JAWA, INDONESIA. Felt in the Malang area.
	04	17	03	00.4*	45.641	N	15.528	E	10	G			0.4	5 NORTHWESTERN BALKAN REGION. MD 2.8 (LJU).
	04	17	07	10.9	33.969	S	72.253	W	43	*	4.1		1.2	28 OFF COAST OF CENTRAL CHILE. MD 4.8 (SAN).
	04	17	29	33.3*	6.947	N	125.860	E	33	N	4.5		1.2	25 MINDANAO, PHILIPPINE ISLANDS
	04	17	57	26.9?	22.90	S	169.56	E	33	N	3.6		1.0	8 LOYALTY ISLANDS REGION
	04	18	13	49.1?	22.46	S	168.57	E	33	N	3.9		1.0	8 NEW CALEDONIA
	04	18	21	17.7	36.672	N	27.894	E	33	N	4.1		0.8	22 DODECANESE ISLANDS
	04	18	29	45.4	30.386	N	94.797	E	33	N	4.0		0.8	20 XIZANG
	04	19	25	51.0*	20.121	S	177.733	W	334	?	3.9		1.1	21 FIJI ISLANDS REGION
	04	19	58	24.9*	34.706	N	45.347	E	50	G	4.1		1.0	8 IRAN-IRAQ BORDER REGION
	04	19	59	38.2*	49.182	N	6.931	E	10	G			1.6	5 GERMANY. ML 2.2 (UCC).
	04	20	03	47.5?	36.98	N	3.77	W	10	G			0.1	4 STRAIT OF GIBRALTAR. mbLg 2.3 (MDD).
	04	20	16	09.1*	4.110	S	135.266	E	33	N	4.4		1.0	20 IRIAN JAYA REGION, INDONESIA
	04	20	17	02.5	23.485	N	142.826	E	141	*	4.8		1.3	126 VOLCANO ISLANDS REGION
	04	21	15	08.4?	24.63	N	121.49	E	33	N	4.0		0.4	5 TAIWAN
	04	21	33	40.3%	44.430	N	7.028	E	10	G			0.2	6 NORTHERN ITALY. ML 1.9 (GEN).
	04	21	40	20.8?	28.58	S	177.49	W	33	N	4.4		1.2	10 KERMADEC ISLANDS REGION
a	04	22	22	49.7*	29.337	S	177.485	W	46	D	5.1		1.1	54 KERMADEC ISLANDS, NEW ZEALAND. Mw 5.2 (HRV).
	04	22	25	30.3*	29.887	S	178.393	W	400	G	4.1		0.9	10 KERMADEC ISLANDS, NEW ZEALAND
	04	23	28	27.7?	23.74	S	179.69	W	500	G	4.2		0.4	8 SOUTH OF FIJI ISLANDS
	04	23	50	33.3*	7.948	S	120.051	E	33	N	4.5		0.9	22 FLORES SEA
	05	00	06	50.6*	38.011	N	142.273	E	33	N	4.6		1.1	7 NEAR EAST COAST OF HONSHU, JAPAN
	05	00	13	18.6	34.536	N	26.695	E	10	G	4.3	3.6	1.1	85 CRETE
	05	00	50	30.9?	33.94	S	72.06	W	20	G			0.3	10 OFF COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	05	01	07	38.5	34.559	N	26.803	E	33	N	4.2		0.7	17 CRETE
	05	01	16	35.6*	51.818	N	176.945	E	71	*	4.6		1.4	11 RAT ISLANDS, ALEUTIAN ISLANDS
	05	02	26	13.5?	8.00	S	127.97	E	33	N	4.4		0.6	5 BANDA SEA
	05	02	32	24.5*	34.692	N	25.036	E	10	G	4.2		1.0	8 CRETE
	05	02	36	03.0?	7.25	N	81.40	W	33	N			0.8	7 PANAMA. MD 3.8 (UPA).
	05	02	53	07.3?	8.31	N	82.62	W	20	G			0.3	6 PANAMA-COSTA RICA BORDER REGION. MD 3.9 (UPA).
	05	02	56	04.5&	60.953	N	146.542	W	12					41 SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	05	03	10	52.5*	17.194	S	167.511	E	33	N	4.8	4.6	1.2	41 VANUATU ISLANDS
	05	03	12	07.0&	59.714	N	150.090	W	38					72 KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
	05	03	12	12.6&	59.857	N	149.855	W	72					21 KENAI PENINSULA, ALASKA. <AEIC>.
	05	03	36	47.9*	28.998	S	177.056	W	33	N	4.5		1.1	16 KERMADEC ISLANDS REGION
	05	04	19	50.5&	60.188	N	152.524	W	92					20 SOUTHERN ALASKA. <AEIC>.
	05	05	19	02.7*	29.178	S	176.919	W	63	*	4.9		1.2	38 KERMADEC ISLANDS REGION
	05	06	30	48.1	41.953	N	20.148	E	10	G			0.6	11 ALBANIA. ML 2.9 (TTG), 2.3 (SKO).
	05	06	41	20.1	43.223	N	18.964	E	10	G			0.3	9 NORTHWESTERN BALKAN REGION. MD 3.1 (TTG). Felt (IV) at Pljevlja.
	05	06	46	59.7&	63.271	N	151.087	W	13					41 CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.9 (PMR).

	05	06	55	08.1?	50.79	N	157.66	E	33	N	3.6	1.2	8	KURIL ISLANDS
	05	07	17	06.9	16.765	N	62.024	W	5	G		0.9	9	LEEWARD ISLANDS. MD 3.7 (TRN). ML 3.2 (FDF).
	05	07	21	19.1%	16.797	N	62.080	W	20	G		0.7	5	LEEWARD ISLANDS. ML 2.9 (FDF).
	05	07	21	46.1?	33.87	S	72.21	W	10	G		0.5	11	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	05	07	25	04.2%	34.417	S	70.592	W	110	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 1.9 (SAN).
	05	08	16	09.4%	8.457	N	82.882	W	10	G		1.0	12	PANAMA-COSTA RICA BORDER REGION
	05	08	17	48.9*	0.798	S	124.035	E	95	*	4.4	1.4	30	SOUTHERN MOLUCCA SEA
	05	08	47	58.9?	29.41	S	176.68	W	33	N	3.8	1.1	7	KERMADEC ISLANDS REGION
	05	09	04	05.8?	33.89	S	72.41	W	33	N		0.5	13	OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	05	09	21	17.4%	14.964	N	120.179	E	33	N	4.3	0.9	7	LUZON, PHILIPPINE ISLANDS
	05	09	28	33.5*	34.010	S	179.555	W	33	N	4.1	1.1	13	SOUTH OF KERMADEC ISLANDS
	05	09	33	35.7?	23.28	N	94.05	E	33	N	4.3	0.4	7	MYANMAR-INDIA BORDER REGION
	05	09	42	21.3?	19.73	S	167.32	E	33	N	3.9	0.3	5	VANUATU ISLANDS REGION
	05	10	37	33.8&	34.117	N	116.407	W	0				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS), 2.4 (GS). Felt.
	05	11	24	29.6%	8.389	N	82.826	W	10	G		0.5	6	PANAMA-COSTA RICA BORDER REGION. MD 4.1 (UPA).
	05	11	41	23.9*	26.055	S	177.124	W	100	G	4.6	1.2	36	SOUTH OF FIJI ISLANDS
	05	12	35	48.5&	38.797	N	119.680	W	3				37	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (GS), 3.1 (BRK). Felt at Gardnerville, Nevada.
	05	12	36	21.6&	38.785	N	119.697	W	5				68	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.8 (BRK). Mo=2.1*10**14 Nm (BRK). Felt at Carson City and Gardnerville, Nevada.
	05	13	09	21.9?	37.34	N	25.93	E	33	N	3.9	1.4	9	DODECANESE ISLANDS
	05	13	22	43.4*	21.613	N	143.107	E	272	?	4.2	0.7	17	MARIANA ISLANDS REGION
a	05	13	28	14.8*	27.869	S	178.418	W	33	N	4.6 5.0	1.1	22	KERMADEC ISLANDS REGION. Mw 5.4 (HRV).
	05	14	00	17.2*	51.346	N	16.040	E	5	G		0.6	6	POLAND
	05	14	16	44.4&	35.366	N	84.212	W	10				24	TENNESSEE. <BLA>. mbLg 3.7 (BLA), 3.7 (GS). Felt (IV) at Coker Creek, Englewood, Tellico Plains and Vonore; (III) at Ducktown, Madisonville and Tallassee; (II) at Athens and Maryville, Tennessee. Felt (IV) at Fontana Dam and Murphy; (III) at Andrews, North Carolina. Also felt at Robbinsville, North Carolina.
	05	14	56	31.8*	36.324	N	69.969	E	204	?	4.3	0.7	12	HINDU KUSH REGION, AFGHANISTAN
	05	14	59	25.2	44.077	N	8.090	E	13			0.6	28	NORTHERN ITALY. ML 3.4 (GEN), 3.2 (LDG).
	05	15	23	57.3&	32.407	N	115.264	W	0				25	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.1 (ECX). ML 2.9 (GS), 2.8 (PAS). First of two events about six seconds apart.
	05	15	48	10.8*	32.041	S	178.863	W	33	N	4.5	1.1	14	SOUTH OF KERMADEC ISLANDS
	05	16	27	24.8?	39.61	N	24.16	E	20	G		1.4	9	AEGEAN SEA
	05	17	28	59.6%	42.197	N	18.803	E	10	G		0.4	8	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	05	17	33	52.6	24.773	N	122.161	E	33	N	4.4 4.5	1.3	38	TAIWAN REGION
	05	18	17	03.7	5.114	N	72.917	W	54	*	4.8	1.4	30	COLOMBIA
	05	18	24	37.2	38.367	N	22.238	E	10	G	4.5	1.1	124	GREECE. ML 4.3 (TIR).
	05	19	12	59.1%	42.276	N	18.790	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	05	19	55	36.5?	37.77	N	22.76	E	10	G	3.5	1.3	9	SOUTHERN GREECE
	05	20	14	02.0*	24.000	S	179.933	W	500	G	4.3	1.2	18	SOUTH OF FIJI ISLANDS
	05	20	53	03.2?	39.17	N	22.10	E	33	N	4.0	0.9	19	GREECE
	05	22	57	54.2%	44.597	N	6.873	E	10	G		0.5	8	FRANCE. ML 2.2 (GEN).
	05	23	12	15.9?	34.68	S	72.65	W	10	G		0.2	10	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	05	23	26	44.3	37.345	N	134.929	E	372		4.1	0.8	22	SEA OF JAPAN
	05	23	38	48.9?	42.51	N	86.68	E	33	N	4.5	1.3	11	NORTHERN XINJIANG, CHINA
	06	00	22	23.3	39.926	N	111.629	W	10	G		0.8	16	UTAH. ML 3.3 (GS).
	06	01	12	24.6*	31.300	S	178.675	W	127	*	4.7	1.2	18	KERMADEC ISLANDS REGION
	06	01	15	08.9&	60.094	N	153.040	W	109				54	SOUTHERN ALASKA. <AEIC>.
	06	02	06	33.7	43.963	N	7.992	E	10	G		0.4	12	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN), 2.0 (LDG).
	06	02	08	44.4?	23.51	S	170.44	E	33	N	4.1	1.6	9	LOYALTY ISLANDS REGION
	06	02	33	17.4?	24.12	S	67.10	W	217	?	3.9	1.3	7	CHILE-ARGENTINA BORDER REGION
	06	02	41	51.0&	30.300	N	103.350	W	10	G			3	WESTERN TEXAS. <SPEC>. mbLg 2.7 (GS). Felt at Alpine. Held to mainshock location.
	06	02	47	04.0&	30.300	N	103.350	W	10	G			2	WESTERN TEXAS. <SPEC>. mbLg 2.6 (GS). Felt at Alpine. Held to mainshock location.
	06	03	16	17.4%	43.960	N	8.010	E	10	G		0.4	7	CORSICA. ML 1.9 (GEN).
	06	03	16	53.6?	56.27	S	26.13	W	33	N	4.4	1.1	9	SOUTH SANDWICH ISLANDS REGION
	06	03	56	04.6	2.974	N	127.421	E	61	D	4.7	0.9	51	NORTHERN MOLUCCA SEA
	06	04	45	33.0?	60.54	N	5.05	E	10	G		0.1	4	SOUTHERN NORWAY. MD 1.4 (BER).
	06	04	48	27.3?	60.54	N	5.04	E	10	G		0.0	4	SOUTHERN NORWAY. MD 1.3 (BER).
	06	05	25	10.7	30.194	N	94.836	E	62	*	4.5	0.9	34	XIZANG
	06	05	39	53.6*	20.180	S	69.215	W	200	G	3.7	1.4	14	NORTHERN CHILE
	06	05	41	01.3%	45.993	N	2.709	E	10	G		0.4	9	FRANCE. ML 2.3 (LDG).
	06	05	42	05.5*	27.737	S	178.105	W	33	N	4.0	0.5	8	KERMADEC ISLANDS REGION
	06	05	50	22.8%	28.710	N	34.688	E	10	G		0.5	6	EGYPT. MD 2.6 (RYD).
	06	07	00	30.2	36.783	N	71.448	E	123	D	4.4	0.8	22	AFGHANISTAN-TAJIKISTAN BORD REG.
	06	07	44	18.0*	13.712	N	145.122	E	77		4.4	1.1	31	MARIANA ISLANDS. Felt (III) at Dededo and Mangilao, Guam.
	06	07	58	41.6*	11.514	N	126.090	E	33	N	4.3	0.8	14	PHILIPPINE ISLANDS REGION
a	06	08	07	05.0*	1.440	S	24.053	W	10	G	4.4 4.8	1.3	31	CENTRAL MID-ATLANTIC RIDGE. Mw 5.2 (HRV).
	06	08	31	18.8*	28.091	S	177.951	W	33	N	4.4	1.1	13	KERMADEC ISLANDS REGION
	06	09	18	49.1?	17.46	S	167.73	E	33	N	4.3	1.1	11	VANUATU ISLANDS
	06	09	19	59.5	22.551	S	68.445	W	111		4.7	1.2	52	NORTHERN CHILE
a	06	09	38	55.5*	22.608	S	170.593	E	33	N	4.7 5.0	1.4	60	LOYALTY ISLANDS REGION. Mw 5.6 (HRV).
	06	09	47	52.5*	23.208	S	169.253	E	33	N	4.8 5.1	1.2	51	LOYALTY ISLANDS REGION
	06	10	22	56.7%	12.395	N	127.010	E	33	N	4.4	0.8	8	PHILIPPINE ISLANDS REGION
	06	10	24	38.5*	83.496	N	117.112	E	10	G	3.7	0.8	10	NORTH OF SEVERNAYA ZEMLYA
	06	10	33	26.8?	42.05	N	0.50	E	10	G		0.3	4	PYRENEES. mbLg 2.8 (MDD).
	06	11	09	37.8	2.416	N	125.617	E	112	*	4.9	1.2	65	TALAUD ISLANDS, INDONESIA
	06	11	43	12.3	5.998	S	105.555	E	56	*	4.5	1.2	46	SUNDA STRAIT
	06	11	52	40.1*	18.851	S	169.326	E	400	G	3.6	0.6	14	VANUATU ISLANDS
	06	12	25	35.3*	43.782	N	147.481	E	63	?	4.3	1.2	18	KURIL ISLANDS
	06	13	25	07.3%	17.184	N	100.663	W	27	*		0.2	7	GUERRERO, MEXICO
	06	13	41	17.5*	1.515	S	77.905	W	147	?	4.5	1.1	20	ECUADOR
	06	14	03	15.4*	56.176	S	26.508	W	33	N	4.5	1.0	21	SOUTH SANDWICH ISLANDS REGION
	06	15	00	51.5%	28.763	N	34.582	E	10	G		0.6	5	EGYPT. MD 2.7 (RYD).
	06	15	39	36.8	45.808	N	11.047	E	10	G		1.2	68	NORTHERN ITALY. ML 4.1 (GRF), 4.0 (VIE), 3.7 (FUR), 3.4

													(LDG). MD 3.4 (FIR).
a	06	15	58	51.5	17.775	N	145.397	E	530	D	5.1	0.9	190 MARIANA ISLANDS. Mw 5.3 (HRV).
	06	16	44	46.5	21.676	S	68.305	W	135	D	4.5	1.0	21 CHILE-BOLIVIA BORDER REGION
	06	16	45	10.7*	38.664	N	49.411	E	33	N	4.0	1.1	12 CASPIAN SEA
	06	16	56	36.9	44.312	N	10.793	E	10	G		1.2	42 NORTHERN ITALY. MD 3.3 (FIR). ML 3.3 (VIE), 3.2 (LDG).
	06	17	07	39.9?	28.69	N	34.53	E	10	G		0.5	5 EGYPT. MD 3.1 (RYD).
	06	17	44	32.1*	7.922	N	82.842	W	10	G	3.9	0.8	16 SOUTH OF PANAMA. MD 4.2 (UPA).
	06	18	12	07.5?	38.71	N	22.72	E	10	G	3.9	0.8	7 GREECE
	06	18	15	35.4?	34.10	S	71.59	W	40	G		1.2	8 NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
	06	18	44	17.9	43.176	N	19.023	E	10	G		0.8	10 NORTHWESTERN BALKAN REGION. ML 2.8 (TTG).
	06	18	52	16.1	2.196	S	125.196	E	33	N	4.7	1.0	40 CERAM SEA
	06	19	15	39.7?	28.51	N	34.74	E	10	G		0.4	4 EGYPT. MD 2.7 (RYD).
	06	20	01	43.9?	4.97	N	82.58	W	10	G	4.2	0.7	9 SOUTH OF PANAMA
	06	20	07	46.6?	16.44	S	176.34	E	33	N	4.3	0.9	21 FIJI ISLANDS REGION
	06	20	41	19.3?	24.93	N	122.26	E	33	N	4.2	1.4	7 TAIWAN REGION
	06	21	10	19.2*	6.295	N	73.292	W	150	G	4.4	0.5	10 NORTHERN COLOMBIA
	06	21	33	22.5	50.399	N	177.385	E	33	N	4.9 4.1	0.8	143 RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
	06	21	42	51.2*	50.211	N	18.854	E	10	G		1.4	6 POLAND. MG 2.8 (WAR).
	06	21	48	02.5&	61.572	N	149.981	W	40				45 SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	06	22	04	30.6?	32.44	S	70.64	W	80	G		0.4	9 CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
	06	23	21	27.7	53.761	N	163.788	W	33	N	4.9 4.5	1.0	126 UNIMAK ISLAND REGION. ML 4.8 (PMR). Felt (III) at Akutan.
	06	23	36	35.1*	67.785	N	20.590	E	10	G		1.5	5 SWEDEN
	06	23	36	35.9?	24.07	S	169.65	E	33	N	4.3	1.6	12 LOYALTY ISLANDS REGION
	06	23	51	33.5&	33.566	S	70.143	W	120	G		0.2	10 CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	07	01	05	34.5	45.086	N	14.822	E	10	G		1.2	15 NORTHWESTERN BALKAN REGION. ML 3.2 (VIE), 2.6 (LJU). Felt at Crikvenica and Novi Vinodolski.
	07	01	21	23.2	11.404	N	125.804	E	33	N	4.7	0.9	26 SAMAR, PHILIPPINE ISLANDS
	07	01	22	07.7	11.565	N	126.023	E	33	N	4.9 4.7	1.0	39 PHILIPPINE ISLANDS REGION
	07	02	15	12.0*	36.557	N	139.183	E	50	*	4.2	0.5	16 EASTERN HONSHU, JAPAN
	07	03	04	47.9	23.782	N	121.286	E	33	N	5.1 4.7	0.9	147 TAIWAN
	07	03	11	01.4	3.037	N	96.951	E	80	*	4.4	0.7	39 NORTHERN SUMATERA, INDONESIA
	07	03	43	55.0?	22.27	N	142.91	E	33	N	4.5	0.7	9 VOLCANO ISLANDS REGION
	07	03	59	38.0*	43.706	N	8.657	E	15	G		0.5	11 CORSICA. ML 2.4 (GEN), 2.2 (LDG).
	07	04	05	25.7*	10.160	N	138.484	E	33	N	4.6	1.0	17 WESTERN CAROLINE ISLANDS
	07	04	09	50.8	51.566	N	16.485	E	10	G		0.9	11 POLAND
	07	04	30	23.2*	34.774	S	107.930	W	10	G	4.5	1.4	25 SOUTHERN EAST PACIFIC RISE
	07	04	46	51.9*	53.176	N	159.083	E	33	N	4.0	1.0	12 NEAR EAST COAST OF KAMCHATKA
	07	05	05	01.8?	5.48	S	128.18	E	200	G	4.6	0.7	18 BANDA SEA
	07	05	44	41.6?	30.92	S	179.51	W	300	G	4.1	1.3	16 KERMADEC ISLANDS REGION
	07	06	48	37.1&	31.865	N	116.079	W	20				26 BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.0 (ECX), 3.1 (PAS).
	07	07	03	46.8	52.882	N	142.851	E	33	N	4.9 4.1	0.8	166 SAKHALIN ISLAND. Felt (IV) at Moskalvo and (III) at Okha.
	07	07	07	36.1?	29.13	S	176.19	W	33	N	4.3	0.8	9 KERMADEC ISLANDS REGION
	07	07	35	02.6?	20.74	S	178.88	W	581	?	4.3	0.8	14 FIJI ISLANDS REGION
	07	07	58	40.4?	39.67	N	22.13	E	10	G	4.1	1.7	11 GREECE
	07	08	26	07.8	4.018	N	82.523	W	10	G	4.4	1.0	36 SOUTH OF PANAMA
	07	08	36	20.7	60.127	N	7.106	E	10	G		1.0	9 SOUTHERN NORWAY. MD 1.7 (BER).
	07	09	32	39.8*	42.029	N	142.395	E	106	?	4.0	1.0	16 HOKKAIDO, JAPAN REGION
a	07	10	40	03.5	53.449	S	9.114	E	10	G	5.5 5.3	1.1	125 SOUTHWEST OF AFRICA. Mw 5.7 (GS), 5.7 (HRV). Ms 5.1 (BRK).
	07	10	59	09.3&	44.098	N	8.058	E	5	G		0.2	5 NORTHERN ITALY. ML 2.1 (GEN).
	07	11	32	57.1	39.714	N	143.540	E	27	D	4.9 4.7	1.0	109 OFF EAST COAST OF HONSHU, JAPAN
	07	11	39	07.6	44.395	N	10.816	E	10	G		1.0	32 NORTHERN ITALY. MD 3.3 (FIR). ML 3.3 (LDG), 3.2 (VIE).
	07	12	18	16.3&	33.662	S	71.621	W	20	G		0.3	8 NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
a	07	13	23	59.7	29.415	S	177.468	W	49	D	5.5 5.0	1.0	172 KERMADEC ISLANDS, NEW ZEALAND. Mw 5.5 (HRV). Ms 5.0 (BRK).
	07	13	42	20.2*	64.528	N	138.321	W	10	G		1.1	7 SOUTHERN YUKON TERRITORY, CANADA. ML 3.4 (PMR).
	07	13	48	39.5&	59.811	N	138.898	W	0				12 SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	07	13	55	30.8&	64.739	N	151.152	W	21				20 CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
	07	14	02	40.7&	33.840	S	70.445	W	110	G		0.1	8 CHILE-ARGENTINA BORDER REGION
	07	14	19	50.2	35.624	N	140.565	E	68	*	4.6	1.1	55 NEAR EAST COAST OF HONSHU, JAPAN
	07	15	18	49.5*	41.573	N	82.128	E	33	N	4.2	1.1	15 SOUTHERN XINJIANG, CHINA. ML 4.1 (BJI).
	07	15	59	39.0*	22.889	S	169.351	E	33	N	4.1	1.6	20 LOYALTY ISLANDS REGION
	07	16	16	20.8&	63.388	N	149.190	W	96				37 CENTRAL ALASKA. <AEIC>.
	07	16	28	14.6	48.832	N	10.421	E	5	G		1.1	8 GERMANY. ML 2.6 (VIE).
	07	17	03	09.4	24.075	S	66.615	W	197	*	4.1	1.1	44 SALTA PROVINCE, ARGENTINA
	07	17	36	19.2&	37.524	N	118.825	W	5				36 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (GS).
	07	17	47	08.4?	34.94	S	179.76	W	150	G	3.8	1.1	8 SOUTH OF KERMADEC ISLANDS
	07	17	47	46.1*	22.481	S	176.204	W	73	D	4.7	0.7	24 SOUTH OF FIJI ISLANDS
	07	17	55	48.5*	5.850	S	146.392	E	66		3.9	0.9	17 EASTERN NEW GUINEA REG., P.N.G.
	07	18	36	40.5	33.484	S	70.210	W	10	G		0.7	12 CHILE-ARGENTINA BORDER REGION
	07	19	43	00.9&	60.159	N	151.938	W	58				49 KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
	07	20	00	36.9?	5.24	S	134.17	E	33	N	4.4	1.5	6 ARU ISLANDS REGION, INDONESIA
	07	20	12	29.7*	15.016	N	61.534	W	150	G		0.6	13 LEEWARD ISLANDS. MD 3.3 (FDF).
	07	20	17	01.0	43.546	N	146.910	E	54	D	4.6	1.1	28 KURIL ISLANDS
	07	21	01	02.8&	36.515	N	81.873	W	12				11 NORTH CAROLINA. <BLA>. mbLg 3.1 (BLA), 3.0 (GS). Felt (III) at West Jefferson, North Carolina. Felt in Ashe and Watauga Counties, North Carolina. Also felt at Bloomery, Laurel and Mountain City, Tennessee.
a	07	21	15	19.7	33.972	N	137.127	E	333	G	5.8	0.9	548 NEAR S. COAST OF HONSHU, JAPAN. Mw 5.9 (GS), 6.0 (HRV). Me 5.3 (GS). mb 6.0 (BRK). Depth from broadband displacement seismograms.
	07	22	50	09.1	45.710	N	11.063	E	10	G		0.9	15 NORTHERN ITALY. ML 3.1 (VIE), 2.6 (LDG).
	07	23	43	24.2?	6.22	S	131.62	E	33	N	4.3	1.2	10 TANIMBAR ISLANDS REG., INDONESIA
	08	00	26	29.5&	35.404	N	119.533	W	21				59 CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.1 (GS).
	08	01	03	46.8?	48.67	S	106.17	E	10	G	4.1	0.8	5 SOUTHEAST INDIAN RIDGE
	08	01	09	37.9*	55.793	N	161.735	E	200	G	3.9	0.7	13 NEAR EAST COAST OF KAMCHATKA
	08	01	24	45.1&	31.783	N	116.159	W	14				27 BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 2.8 (ECX), 2.8 (PAS).
	08	01	56	31.2*	52.857	N	153.522	E	461	?	4.0	0.6	17 NORTHWEST OF KURIL ISLANDS

	08	02	56	32.9&	60.375	N	152.863	W	117			65	SOUTHERN ALASKA. <AEIC>.
	08	03	17	36.9	29.642	N	31.835	E	10	G	0.8	18	EGYPT. MD 3.2 (HLW).
	08	03	26	06.9	59.219	S	25.697	W	39	D 4.8 4.2	1.0	38	SOUTH SANDWICH ISLANDS REGION
	08	04	03	48.9?	35.11	N	141.58	E	33	N 4.4	1.1	6	NEAR EAST COAST OF HONSHU, JAPAN
a	08	05	42	53.0	39.678	N	143.352	E	11	G 5.9 5.5	0.9	452	OFF EAST COAST OF HONSHU, JAPAN. Mw 6.0 (GS), 6.0 (HRV). Me 5.5 (GS). Ms 5.2 (BRK). Two events about 1.5 seconds apart. Depth from broadband displacement seismograms, based on first event.
	08	05	55	25.2	39.648	N	143.513	E	10	G 4.8	0.9	57	OFF EAST COAST OF HONSHU, JAPAN
	08	06	05	56.4?	39.72	N	143.59	E	10	G 4.4	0.7	5	OFF EAST COAST OF HONSHU, JAPAN
	08	06	22	12.1*	13.544	N	91.483	W	33	N 4.6	0.8	38	NEAR COAST OF GUATEMALA
	08	06	26	07.7*	12.207	N	125.549	E	33	N 4.6	1.1	18	SAMAR, PHILIPPINE ISLANDS
	08	06	41	32.5	39.642	N	143.383	E	10	G 5.0 4.6	0.8	125	OFF EAST COAST OF HONSHU, JAPAN
	08	06	48	53.6	45.925	N	142.470	E	326	4.5	0.9	119	HOKKAIDO, JAPAN REGION
	08	06	51	41.4&	38.669	N	119.807	W	1			28	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
	08	06	54	46.5&	36.606	N	121.205	W	2			37	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).
	08	07	10	53.5?	13.64	N	91.50	W	33	N 4.5	1.0	19	NEAR COAST OF GUATEMALA
	08	07	12	58.6*	21.008	S	170.299	E	100	G 4.8	1.1	28	LOYALTY ISLANDS REGION
	08	08	20	27.3%	44.661	N	7.195	E	10	G	0.2	11	NORTHERN ITALY. ML 2.3 (GEN).
	08	09	04	21.5	46.872	N	150.224	E	186	* 4.4	1.0	36	KURIL ISLANDS
	08	09	18	31.6%	46.843	N	2.646	E	10	G	0.7	11	FRANCE. ML 2.7 (LDG).
	08	09	58	30.0?	19.45	N	41.36	E	10	G	1.0	4	WESTERN ARABIAN PENINSULA. MD 3.4 (RYD).
	08	10	09	01.5	17.146	S	69.370	W	177	D 4.4	0.9	58	PERU-BOLIVIA BORDER REGION
a	08	11	39	06.1	4.308	N	62.400	E	10	G 5.4 5.4	1.0	205	CARLSBERG RIDGE. Mw 5.6 (HRV). Ms 5.3 (BRK).
	08	11	44	22.1*	4.369	N	62.676	E	10	G 4.5	0.8	14	CARLSBERG RIDGE
	08	11	44	42.7	4.327	N	62.439	E	10	G 5.2 5.3	1.1	113	CARLSBERG RIDGE
	08	11	53	14.8	51.473	N	6.568	E	10	G	1.1	11	GERMANY. ML 3.2 (UCC), 3.1 (LDG), 2.9 (DBN).
	08	12	27	35.3%	33.493	S	71.441	W	50	G	0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
	08	13	26	48.4&	63.489	N	151.104	W	13			48	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR). Felt in the Kantishna area.
	08	13	42	42.1?	4.51	N	124.46	E	292	? 4.1	1.0	20	CELEBES SEA
	08	14	02	53.3%	42.423	N	18.554	E	5	G	0.4	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	08	15	22	35.8	45.015	N	7.542	E	20	G	0.8	19	NORTHERN ITALY. ML 2.5 (GEN), 2.4 (LDG).
	08	16	04	53.6	11.368	N	61.512	W	33	N	1.2	13	WINDWARD ISLANDS. MD 3.7 (TRN).
	08	16	32	14.6&	37.529	N	118.796	W	6			28	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.7 (GS).
	08	16	33	52.6	53.609	N	163.669	W	33	N 4.6 3.9	1.1	92	UNIMAK ISLAND REGION
	08	17	04	14.3	53.537	N	163.849	W	33	N 4.4	1.0	45	UNIMAK ISLAND REGION
	08	17	08	55.9*	6.874	N	73.373	W	150	G 4.3	1.4	11	NORTHERN COLOMBIA
a	08	17	15	25.7	53.578	N	163.740	W	21	G 6.0 5.8	1.2	482	UNIMAK ISLAND REGION. Mw 6.0 (GS), 6.0 (HRV). Me 5.7 (GS). Ms 5.5 (BRK). Depth from broadband displacement seismograms.
	08	17	37	45.3&	59.872	N	153.359	W	128			44	SOUTHERN ALASKA. <AEIC>.
	08	17	42	55.6%	46.830	N	2.669	E	15	G	0.3	9	FRANCE. ML 1.8 (LDG).
	08	17	48	32.9%	33.740	S	70.397	W	100	G	0.2	7	CHILE-ARGENTINA BORDER REGION
	08	18	12	45.6	49.911	N	154.545	E	116	* 4.4	1.0	56	KURIL ISLANDS
	08	19	03	31.8*	53.678	N	163.824	W	33	N 4.2	1.3	29	UNIMAK ISLAND REGION
	08	19	08	58.1?	31.96	S	71.55	W	33	N	0.8	11	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	08	19	35	08.3&	59.683	N	150.638	W	44			102	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (AEIC).
	08	19	57	00.3%	47.079	N	0.214	W	10	G	1.2	6	FRANCE. ML 2.3 (LDG).
	08	19	58	40.6%	34.194	S	70.527	W	100	G	0.1	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	08	20	08	44.7?	23.21	S	169.40	E	33	N 4.0	1.3	9	LOYALTY ISLANDS REGION
	08	20	29	20.0?	22.62	S	169.60	E	116	? 4.1	1.3	13	LOYALTY ISLANDS REGION
	08	20	35	16.4&	36.071	N	120.259	W	17			14	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 2.8 (PAS), 2.8 (GS).
	08	20	45	44.7	44.636	N	149.576	E	33	N 4.7	0.8	90	KURIL ISLANDS
	08	21	43	07.6	45.766	N	11.042	E	10	G	1.0	41	NORTHERN ITALY. ML 3.4 (FUR), 3.4 (VIE), 3.3 (GRF), 3.0 (LDG).
	08	21	58	41.5*	27.798	S	178.839	W	300	G 4.0	1.2	20	KERMADEC ISLANDS REGION
	08	22	10	10.2%	46.835	N	2.678	E	10	G	0.4	10	FRANCE. ML 1.8 (LDG).
	08	22	25	13.8*	1.044	N	122.481	E	33	N 4.0	0.6	8	MINAHASSA PENINSULA, SULAWESI
	08	23	35	47.0*	3.376	S	138.434	E	33	N 4.4	0.5	10	IRIAN JAYA, INDONESIA
a	08	23	49	43.7	24.265	S	176.316	W	20	G 5.8 5.3	0.9	358	SOUTH OF FIJI ISLANDS. Mw 5.6 (GS), 5.8 (HRV). Me 5.4 (GS). Ms 5.3 (BRK). Mo=7.7*10**17 Nm (PPT). Depth from broadband displacement seismograms.
	08	23	54	39.9%	45.106	N	7.309	E	10	G	0.4	6	NORTHERN ITALY. ML 2.1 (GEN).
	09	00	14	41.6?	7.15	S	128.66	E	100	G 3.9	0.8	10	BANDA SEA
	09	00	23	49.1*	34.782	S	70.173	W	5	G	0.5	9	CHILE-ARGENTINA BORDER REGION
	09	00	30	20.5%	44.347	N	7.285	E	5	G	0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
	09	00	41	15.6?	40.62	N	140.31	E	33	N 4.5	1.7	8	EASTERN HONSHU, JAPAN
	09	00	54	58.7?	13.44	S	165.94	E	103	? 4.4	1.2	26	VANUATU ISLANDS
	09	01	08	45.0*	32.061	S	69.134	W	150	G	0.5	13	MENDOZA PROVINCE, ARGENTINA. MD 3.8 (SAN).
	09	01	20	55.2%	34.063	S	70.364	W	10	G	0.3	5	CHILE-ARGENTINA BORDER REGION
	09	01	43	49.4*	4.765	S	151.100	E	173	? 4.1	0.6	18	NEW BRITAIN REGION, P.N.G.
	09	02	03	49.9*	18.984	N	145.212	E	246	* 4.1	0.6	16	MARIANA ISLANDS
	09	02	12	22.9	38.370	N	22.121	E	10	G 4.4	1.0	90	GREECE. ML 4.3 (ROM), 4.3 (TIR), 4.3 (TTG).
	09	02	29	46.1	37.363	N	71.732	E	121	D 5.0	0.9	259	AFGHANISTAN-TAJIKISTAN BORD REG.
	09	03	04	10.8*	15.128	S	173.723	W	33	N 4.6 4.7	0.8	29	TONGA ISLANDS
	09	03	27	04.0	19.102	S	69.827	W	64	D 4.5	1.0	48	NORTHERN CHILE. Felt (IV) at Arica and (II) at Iquique.
	09	04	00	44.6?	6.26	S	145.80	E	100	G 3.9	0.8	6	NEW GUINEA, PAPUA NEW GUINEA
	09	04	33	48.8?	10.18	N	61.18	W	60	G	0.3	5	TRINIDAD. MD 2.7 (TRN).
	09	05	29	51.1?	3.01	S	138.29	E	33	N 4.4	1.6	10	IRIAN JAYA, INDONESIA
	09	06	07	20.5*	54.070	N	164.191	W	33	N 4.5	1.3	15	UNIMAK ISLAND REGION
	09	06	16	43.2	44.637	N	129.742	W	10	G 4.1 4.0	0.8	129	OFF COAST OF OREGON
	09	06	18	17.5	44.676	N	129.891	W	10	G 4.1	1.1	39	OFF COAST OF OREGON
	09	06	21	59.9?	39.61	N	21.58	E	10	G 3.7	0.8	6	GREECE
	09	06	51	41.7%	44.410	N	7.339	E	5	G	0.2	5	NORTHERN ITALY. ML 1.9 (GEN).
	09	07	51	42.9	50.446	N	18.855	E	10	G	1.2	17	POLAND. ML 3.4 (WAR), 3.1 (MOX).
	09	08	38	26.3?	39.96	S	174.20	E	250	G 4.3	0.6	10	NORTH ISLAND, NEW ZEALAND. Felt at Wellington.
	09	08	53	11.0	17.031	N	62.201	W	10	G	0.9	11	LEEWARD ISLANDS. ML 3.6 (FDF).
	09	08	55	29.3	17.018	N	62.208	W	10	G	0.5	10	LEEWARD ISLANDS. ML 3.1 (FDF).
	09	09	16	35.3*	41.205	S	85.676	E	10	G 4.1	0.9	14	SOUTHEAST INDIAN RIDGE

	09	09	54	58.0*	31.415	S	69.445	W	120	G			0.7	12	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
	09	09	55	01.1?	53.53	N	164.41	W	33	N	4.2		1.1	5	UNIMAK ISLAND REGION
	09	09	55	19.6&	61.923	N	149.987	W	46					78	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 3.2 (PMR).
	09	10	53	54.2*	16.734	S	173.190	W	33	N	4.3	4.4	1.0	20	TONGA ISLANDS. Ms 4.5 (BRK).
	09	11	03	46.6&	40.307	N	124.585	W	18					29	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.3 (GM). ML 3.4 (GS), 3.1 (BRK).
	09	11	04	30.2	24.097	S	66.957	W	172	*	4.4		1.1	56	SALTA PROVINCE, ARGENTINA
	09	11	43	14.1*	31.933	S	70.739	W	100	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	09	11	48	19.7	53.628	N	163.718	W	33	N	4.9	4.3	1.0	121	UNIMAK ISLAND REGION. ML 4.8 (PMR).
	09	12	12	18.0&	34.418	N	118.649	W	13					42	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.8 (GS). Felt.
	09	12	33	15.5	53.561	N	163.750	W	33	N	4.7	4.4	1.1	123	UNIMAK ISLAND REGION. ML 4.6 (PMR).
	09	12	37	34.9&	39.836	N	120.731	W	14					30	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.8 (GS).
	09	13	15	29.5	32.976	S	70.010	W	120	G			0.3	12	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	09	13	17	09.7?	53.43	N	163.78	W	33	N	4.3		1.5	11	UNIMAK ISLAND REGION
	09	13	47	26.7	31.336	S	67.757	W	43		4.7		1.1	65	SAN JUAN PROVINCE, ARGENTINA
	09	15	39	22.9*	14.207	N	54.736	E	10	G	4.3		0.9	16	ARABIAN SEA
a	09	15	56	28.2	35.976	N	100.073	E	33	N	5.2	4.7	1.1	232	QINGHAI, CHINA. Mw 5.1 (HRV). ML 5.3 (BJI).
	09	16	04	42.1*	44.579	N	15.577	E	5	G			1.1	6	NORTHWESTERN BALKAN REGION. ML 2.3 (LJU).
	09	17	16	43.6	53.687	N	163.791	W	33	N	4.7	4.3	1.0	94	UNIMAK ISLAND REGION. ML 4.6 (PMR).
	09	17	48	00.0*	25.182	S	175.828	W	33	N	4.7	4.5	1.4	35	SOUTH OF TONGA ISLANDS
	09	18	26	34.7?	28.83	S	176.90	W	33	N	4.3		1.4	9	KERMADEC ISLANDS REGION
	09	18	44	16.3*	14.758	N	54.684	E	10	G	4.4		0.7	19	ARABIAN SEA
	09	18	50	07.6	19.625	N	67.145	W	33	N	4.6	4.1	0.7	52	MONA PASSAGE. MD 4.0 (MPR).
a	09	20	31	31.4	21.984	N	99.159	E	10	D	5.7	5.9	1.2	340	MYANMAR-CHINA BORDER REGION. Mw 5.9 (GS), 5.9 (HRV). Ms 5.6 (BRK). Some houses damaged in the Menglian area, China. Felt in northwestern Thailand.
	09	20	33	32.5*	21.725	N	99.086	E	10	G	5.0		1.1	15	MYANMAR-CHINA BORDER REGION
	09	21	01	20.3	5.276	S	132.445	E	33	N	5.0		1.0	62	ARU ISLANDS REGION, INDONESIA
	09	21	22	42.8?	17.39	N	61.17	W	10	G			1.4	5	LEEWARD ISLANDS. ML 3.0 (FDF). MD 3.0 (TRN).
	09	21	29	14.7	21.885	N	99.116	E	10	G	4.9		1.1	79	MYANMAR-CHINA BORDER REGION. ML 5.1 (BJI).
	09	21	43	08.2	2.508	S	121.022	E	33	N	4.5	4.5	1.2	32	SULAWESI, INDONESIA
	09	23	40	25.0?	6.30	S	153.62	E	150	G	3.6		0.9	7	NEW BRITAIN REGION, P.N.G.
	09	23	42	07.7	24.183	S	66.891	W	182	D	4.7		1.0	78	SALTA PROVINCE, ARGENTINA
	10	00	02	33.8	3.307	S	101.798	E	74	D	4.8		1.2	62	SOUTHERN SUMATERA, INDONESIA
	10	01	54	55.7*	30.964	N	50.028	E	33	N	4.3		0.7	8	NORTHERN IRAN. MD 4.7 (RYD).
	10	02	15	29.0?	16.96	S	166.91	E	33	N	4.1		1.0	6	VANUATU ISLANDS
a	10	02	42	32.5	12.379	N	141.689	E	56		5.3	4.9	0.9	119	SOUTH OF MARIANA ISLANDS. Mw 5.5 (HRV). Ms 4.8 (BRK).
	10	02	51	41.0	12.312	N	141.595	E	59	*	4.5		0.8	32	SOUTH OF MARIANA ISLANDS
	10	03	27	02.7&	60.414	N	152.408	W	91					54	SOUTHERN ALASKA. <AEIC>.
	10	04	01	51.1?	31.75	N	138.30	E	379	*	4.2		0.3	9	SOUTH OF HONSHU, JAPAN
	10	05	35	38.7&	33.968	N	117.598	W	6					40	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.4 (GS). Felt.
	10	06	04	13.4?	4.94	S	151.67	E	148	?	4.3		0.8	12	NEW BRITAIN REGION, P.N.G.
	10	06	17	36.5%	34.161	S	70.544	W	100	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	10	07	13	26.5*	29.566	S	70.347	W	33	N	4.3		0.4	6	CENTRAL CHILE
	10	07	58	01.3*	21.404	S	66.626	W	235	*	4.0		1.0	20	SOUTHERN BOLIVIA
	10	08	13	16.5?	7.06	S	128.30	E	300	G	4.1		1.2	11	BANDA SEA
	10	08	29	18.1%	33.736	S	70.402	W	10	G			0.6	5	CHILE-ARGENTINA BORDER REGION
	10	08	45	22.2?	11.33	N	61.97	W	100	G			0.2	4	WINDWARD ISLANDS. MD 2.6 (TRN).
	10	11	15	32.2*	9.820	S	114.073	E	45	?	4.4		1.0	16	SOUTH OF BALI, INDONESIA
	10	11	54	21.8?	32.52	S	71.59	W	20	G			0.5	10	NEAR COAST OF CENTRAL CHILE
	10	11	58	11.3*	3.699	S	122.480	E	33	N	3.9		0.8	9	SULAWESI, INDONESIA
	10	14	46	50.6*	53.629	N	163.855	W	33	N	4.1		1.3	11	UNIMAK ISLAND REGION
	10	15	04	57.4%	28.645	N	34.603	E	10	G			0.8	6	EGYPT. MD 2.4 (RYD).
	10	15	07	30.3?	21.61	S	169.60	E	33	N	4.0		1.2	10	LOYALTY ISLANDS REGION
	10	15	45	06.3*	32.453	S	72.369	W	10	G	3.9		1.3	14	OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN).
	10	16	49	24.4*	11.391	N	125.655	E	33	N	4.0		1.2	12	SAMAR, PHILIPPINE ISLANDS
	10	16	51	19.1?	44.94	N	6.82	E	10	G			0.7	4	FRANCE. ML 1.9 (GEN).
	10	16	54	31.8&	60.047	N	153.216	W	127					50	SOUTHERN ALASKA. <AEIC>.
	10	17	12	56.1%	28.549	N	34.786	E	10	G			0.5	6	EGYPT. MD 3.0 (RYD).
	10	17	17	34.4%	44.643	N	6.974	E	10	G			0.3	5	FRANCE. ML 1.8 (GEN).
	10	17	22	51.7&	60.442	N	143.178	W	14					31	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	10	17	36	48.8?	17.21	S	167.21	E	33	N	3.9		1.0	17	VANUATU ISLANDS
	10	18	12	37.3	38.383	N	22.238	E	10	G	4.4		1.3	106	GREECE. ML 4.4 (ROM), 4.0 (TIR).
	10	18	22	10.0	4.946	S	102.082	E	73	*	4.9		0.8	67	SOUTHERN SUMATERA, INDONESIA
	10	20	19	55.8%	42.653	N	20.040	E	10	G			0.4	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	10	21	24	14.1?	10.43	N	61.63	W	50	G			0.1	4	TRINIDAD. MD 2.7 (TRN).
	10	21	28	00.8	36.407	S	71.327	W	115		4.3		1.0	37	CENTRAL CHILE. MD 4.5 (SAN). Felt (III) at Concepcion.
	10	22	30	59.7&	38.569	N	119.438	W	26					23	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
	10	22	31	48.3	36.062	N	21.181	E	33	N	4.1		1.0	34	SOUTHERN GREECE. ML 4.1 (ROM).
	10	22	35	44.9?	13.87	S	167.94	E	33	N	4.0		0.6	7	VANUATU ISLANDS
	10	22	43	16.0	21.984	N	99.119	E	10	G	4.7		1.3	88	MYANMAR-CHINA BORDER REGION. ML 4.9 (BJI).
	10	22	47	24.3&	37.536	N	118.874	W	9					48	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.6 (BRK), 3.5 (GS).
	10	22	54	13.9*	33.132	N	39.445	W	10	G	4.0		0.8	16	NORTHERN MID-ATLANTIC RIDGE
	11	00	17	59.9*	40.022	N	21.753	E	10	G	4.0		1.5	28	GREECE. ML 3.4 (TIR), 3.3 (TTG).
	11	02	04	58.8&	40.306	N	124.585	W	20					21	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.3 (GM). ML 3.1 (GS).
	11	02	06	01.7&	40.316	N	124.573	W	20					19	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM). ML 2.8 (GS).
	11	02	47	38.6&	37.537	N	118.876	W	9					42	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.3 (GM). ML 3.3 (GS), 3.3 (BRK).
	11	03	18	37.8%	42.439	N	18.561	E	5	G			0.4	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	11	03	34	59.8*	11.252	N	125.673	E	49	D	4.3		0.9	17	SAMAR, PHILIPPINE ISLANDS
	11	03	59	43.3%	46.436	N	0.097	E	10	G			1.6	9	FRANCE. ML 2.2 (LDG).
	11	04	04	08.6	33.961	S	70.228	W	125		3.8		0.5	17	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN).
	11	04	15	16.0?	14.75	N	60.95	W	5	G			0.0	4	WINDWARD ISLANDS. ML 1.5 (FDF).
	11	08	33	58.8%	33.900	S	71.343	W	60	G			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 2.5 (SAN).
	11	08	46	24.7%	43.199	N	18.716	E	10	G			0.3	8	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
	11	09	38	44.3	35.927	N	71.253	E	102	*	4.3		1.4	28	PAKISTAN
	11	09	39	59.9*	9.175	S	124.028	E	33	N	4.5		0.9	30	TIMOR REGION, INDONESIA
	11	09	57	00.4&	63.587	N	151.098	W	12					45	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).

	11	10	43	55.1*	19.076	N	121.105	E	43	?	4.5	4.1	1.5	25	PHILIPPINE ISLANDS REGION
	11	10	53	30.1&	63.272	N	151.021	W	7					40	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.9 (PMR).
	11	11	09	50.9*	6.863	S	124.369	E	626		4.1		1.2	27	BANDA SEA
	11	11	28	22.2?	36.98	S	71.25	W	178	*			0.3	14	CENTRAL CHILE. MD 3.8 (SAN).
	11	11	58	38.6?	32.87	S	72.06	W	10	G			0.7	10	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	11	12	01	05.3	53.615	N	161.156	E	33	N	4.1		1.1	24	OFF EAST COAST OF KAMCHATKA
	11	12	18	02.7?	3.82	S	131.06	E	33	N	4.1		1.2	13	IRIAN JAYA REGION, INDONESIA
	11	13	05	15.3*	10.397	S	161.474	E	33	N	4.2	3.7	1.3	9	SOLOMON ISLANDS
	11	14	24	42.5&	60.431	N	140.269	W	0					24	SOUTHEASTERN ALASKA. <AEIC>. ML 3.2 (AEIC).
	11	14	30	22.8?	16.24	N	97.83	W	26		4.1		1.5	38	OAXACA, MEXICO
	11	15	07	37.7	50.440	N	153.548	E	244	D	4.3		1.0	61	KURIL ISLANDS
	11	15	09	46.7	3.317	S	139.949	E	33	N	4.8		1.0	33	IRIAN JAYA, INDONESIA
	11	16	11	41.3?	14.57	S	178.05	W	300	G	4.1		0.6	9	FIJI ISLANDS REGION
	11	17	09	15.4*	25.524	S	179.549	E	509	*	4.5		1.2	37	SOUTH OF FIJI ISLANDS
	11	17	12	56.1	28.549	N	34.786	E	10	G			0.5	6	EGYPT. MD 3.0 (RYD).
	11	18	15	25.1	44.309	N	6.672	E	5	G			0.7	12	FRANCE. ML 2.3 (GEN), 2.0 (LDG).
	11	18	27	32.7&	37.477	N	3.815	W	16	*			0.9	15	SPAIN. mbLg 3.6 (MDD).
	11	18	46	11.1	33.967	S	72.391	W	33	N	4.4		1.2	37	OFF COAST OF CENTRAL CHILE. MD 4.8 (SAN).
	11	18	59	41.2?	5.45	S	147.13	E	200	*	4.7		0.9	12	EASTERN NEW GUINEA REG., P.N.G.
	11	19	28	41.5?	24.22	N	94.53	E	163	?	4.3		0.7	16	MYANMAR-INDIA BORDER REGION
	11	19	35	55.3*	17.829	S	69.457	W	171	*	4.4		1.5	18	PERU-BOLIVIA BORDER REGION. Felt (II) at Tacna, Peru.
	11	19	56	24.5*	12.083	N	88.193	W	33	N	4.3		1.3	18	OFF COAST OF CENTRAL AMERICA
a	11	21	46	39.7	21.966	N	99.196	E	13	D	6.1	7.1	1.3	411	MYANMAR-CHINA BORDER REGION. Mw 6.8 (GS), 6.8 (HRV). Me 7.1 (GS). Ms 6.9 (BRK). Mo=4.9*10**19 Nm (PPT). Eleven people killed, 136 injured, more than 100,000 houses destroyed and 42,000 damaged in the Lancang-Menglian-Ximeng area, China. Some buildings also damaged in Chiang Mai and Chiang Rai Provinces, Thailand.
	11	22	20	33.4*	22.690	N	100.099	E	10	G	4.2		0.9	8	MYANMAR-CHINA BORDER REGION
	11	22	35	43.2&	45.125	N	6.437	E	5	G			0.4	8	FRANCE. ML 2.3 (LDG).
	11	22	37	07.1*	21.808	N	98.945	E	10	G	4.5		1.2	22	MYANMAR. ML 4.9 (BJI).
	11	23	16	16.8*	21.467	N	98.548	E	10	G	4.4		0.9	10	MYANMAR
	11	23	43	49.9&	35.032	N	118.997	W	11					55	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.3 (GS).
	11	23	45	44.0	29.704	N	69.625	E	23	D	4.6		1.3	68	PAKISTAN
	12	01	25	18.5&	59.758	N	153.808	W	144					40	SOUTHERN ALASKA. <AEIC>.
	12	01	54	54.8&	60.026	N	153.498	W	153					55	SOUTHERN ALASKA. <AEIC>.
	12	03	57	00.4?	21.12	N	99.03	E	10	G	4.2		1.5	10	MYANMAR-CHINA BORDER REGION. ML 4.1 (BJI).
	12	04	07	50.6&	33.736	S	70.425	W	10	G			0.6	6	CHILE-ARGENTINA BORDER REGION
	12	04	30	00.6*	15.445	S	172.819	W	27	D	5.0	4.6	1.3	44	SAMOA ISLANDS REGION
	12	05	06	58.7*	33.076	S	70.280	W	100	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	12	05	19	35.0*	5.931	S	150.686	E	94	*	4.4		0.9	21	NEW BRITAIN REGION, P.N.G.
	12	05	21	18.3&	36.284	N	120.469	W	9					37	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM), 3.1 (PAS). ML 3.2 (BRK), 3.1 (GS).
	12	05	28	21.2?	10.87	N	62.30	W	80	G			0.9	6	NEAR COAST OF VENEZUELA. MD 3.2 (TRN).
	12	05	48	42.7&	62.922	N	151.317	W	115					57	CENTRAL ALASKA. <AEIC>.
	12	06	02	56.1	21.886	N	99.157	E	10	G	4.3		1.1	32	MYANMAR-CHINA BORDER REGION. ML 4.4 (BJI).
	12	06	23	44.2&	33.296	S	71.049	W	67	?			0.3	11	NEAR COAST OF CENTRAL CHILE. MD 2.2 (SAN).
	12	07	38	00.1?	34.75	S	70.45	W	130	G			0.1	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	12	08	14	33.8?	22.04	N	99.31	E	10	G	4.2		0.6	9	MYANMAR-CHINA BORDER REGION
	12	08	27	44.5&	44.287	N	8.344	E	5	G			0.2	7	NORTHERN ITALY. ML 2.2 (GEN).
a	12	09	38	16.7*	2.483	N	116.977	E	33	N	5.3	4.9	1.1	175	BORNEO. Mw 5.5 (HRV).
	12	09	44	53.1*	21.841	N	99.161	E	10	G	4.3		1.3	22	MYANMAR-CHINA BORDER REGION. ML 4.6 (BJI).
	12	09	48	54.7	2.499	N	116.979	E	33	N	4.5		0.7	30	BORNEO
	12	11	11	10.5	8.386	N	58.510	E	10	G	4.8	4.5	0.7	42	CARLSBERG RIDGE
	12	11	14	43.6&	32.815	S	70.999	W	70	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	12	11	34	04.6&	42.316	N	18.689	E	10	G			0.3	9	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	12	12	02	26.8?	24.86	S	175.75	W	33	N	4.0		1.0	13	SOUTH OF TONGA ISLANDS
	12	13	13	35.6&	44.399	N	7.430	E	5	G			0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
	12	14	26	34.6?	34.56	S	70.53	W	120	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	12	14	47	59.2	17.176	N	61.650	W	33	N			0.3	15	LEEWARD ISLANDS. MD 3.8 (TRN). ML 3.1 (FDF).
	12	15	25	05.0*	27.548	N	141.138	E	33	N	4.8		1.0	20	BONIN ISLANDS REGION
	12	15	40	09.3	22.566	S	171.114	E	33	N	4.8		1.1	68	LOYALTY ISLANDS REGION
a	12	15	46	56.8	23.260	S	170.865	E	11	G	6.0	6.4	1.0	467	LOYALTY ISLANDS REGION. Mw 6.5 (GS), 6.4 (HRV). Me 6.3 (GS). Mo=3.2*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	12	17	10	49.7*	59.362	N	135.217	W	10	G			0.3	5	SOUTHEASTERN ALASKA
	12	17	48	48.9&	61.005	N	150.085	W	38					69	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
a	12	18	38	49.8	12.324	N	125.058	E	34	G	5.9	5.6	0.8	434	SAMAR, PHILIPPINE ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Me 5.8 (GS). Ms 5.6 (BRK). Depth from broadband displacement seismograms.
	12	20	41	49.6&	44.697	N	8.896	E	10	G			0.4	9	NORTHERN ITALY. ML 2.2 (GEN).
	12	21	05	27.4&	44.431	N	8.567	E	10	G			0.2	8	NORTHERN ITALY. ML 2.1 (GEN).
	12	21	32	48.6	6.860	S	130.161	E	87	*	4.9		1.0	46	BANDA SEA
	12	21	43	47.9&	16.986	N	99.952	W	33	N			0.4	9	NEAR COAST OF GUERRERO, MEXICO
	12	21	45	25.5?	43.15	N	126.76	W	10	G			0.5	25	OFF COAST OF OREGON
	12	21	58	00.5&	36.593	N	121.196	W	8					51	CENTRAL CALIFORNIA. <GM-P>. MD 3.9 (GM). ML 4.0 (BRK). Mo=1.4*10**15 Nm (BRK). Felt (III) at Hollister. Also felt at Salinas and in the Monterey area.
	12	22	18	17.3*	53.409	N	164.503	W	33	N	4.2		1.0	16	UNIMAK ISLAND REGION
	12	22	40	24.8	53.477	N	164.327	W	33	N	4.7	4.0	0.9	80	UNIMAK ISLAND REGION
	12	22	53	51.9&	63.088	N	150.884	W	129					47	CENTRAL ALASKA. <AEIC>.
	12	23	16	15.4?	36.61	N	72.38	E	33	N	4.4		0.8	9	AFGHANISTAN-TAJIKISTAN BORD REG.
	12	23	54	41.1	4.629	S	149.279	E	596	D	4.8		0.9	75	BISMARCK SEA
a	13	00	00	22.5	23.080	S	170.641	E	14	G	5.7	5.7	1.3	292	LOYALTY ISLANDS REGION. Mw 5.8 (GS), 5.9 (HRV). Ms 5.8 (BRK). Depth from broadband displacement seismograms.
	13	00	06	49.2?	23.15	S	170.74	E	33	N	4.7		1.6	28	LOYALTY ISLANDS REGION
	13	01	30	10.8&	61.262	N	151.984	W	92					42	SOUTHERN ALASKA. <AEIC>.
	13	01	37	51.1*	16.414	N	122.675	E	18	D	4.3		0.8	18	LUZON, PHILIPPINE ISLANDS
	13	02	16	06.7	6.825	S	130.649	E	99	*	4.5		1.3	25	BANDA SEA
	13	05	24	20.4*	5.530	S	103.067	E	70	D	4.8		1.0	88	SOUTHERN SUMATERA, INDONESIA
	13	07	17	31.8*	24.617	S	67.073	W	189	?	4.3		1.7	12	CHILE-ARGENTINA BORDER REGION
	13	09	32	06.5?	23.91	S	179.77	E	550	G	4.2		1.3	12	SOUTH OF FIJI ISLANDS

	13	10	22	13.3*	19.582	N	45.701	W	10	G	4.3		0.8	13	NORTHERN MID-ATLANTIC RIDGE
	13	10	28	50.2&	46.820	N	121.877	W	9					55	WASHINGTON. <SEA-P>. MD 3.7 (SEA). Felt (V) at Longmire and (IV) at Ashford and Eatonville.
	13	12	13	25.9	41.600	N	20.793	E	14	D	4.6		1.2	66	ALBANIA. ML 4.4 (TIR), 4.3 (SKO). MD 4.1 (TTG). Felt (VI) at Kicevo and (V) in the western part of the former Yugoslav Republic of Macedonia.
	13	12	16	12.7&	59.650	N	151.560	W	48					50	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
	13	12	59	42.8?	18.08	S	71.17	W	103	*	4.0		1.5	15	OFF COAST OF NORTHERN CHILE
	13	13	08	04.1&	34.935	N	120.868	W	6	G				58	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.1 (GS).
	13	15	08	54.4	41.637	N	20.892	E	10	G			1.3	17	ALBANIA. ML 3.3 (TTG), 2.9 (SKO), 2.6 (TIR). Felt (IV) at Kicevo, former Yugoslav Republic of Macedonia.
	13	15	10	01.7*	36.485	N	70.998	E	216	?	4.4		1.0	25	HINDU KUSH REGION, AFGHANISTAN
	13	15	14	36.5*	6.352	S	146.967	E	85	?	3.9		1.1	6	EASTERN NEW GUINEA REG., P.N.G.
	13	15	14	54.3?	43.66	N	6.97	E	10	G			0.1	4	NEAR SOUTH COAST OF FRANCE. ML 1.7 (LDG).
	13	15	18	39.5*	27.406	S	176.456	W	75	?	4.8		1.2	42	KERMADEC ISLANDS REGION
	13	15	39	00.0&	34.014	N	116.326	W	5					34	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.0 (GS).
	13	16	25	14.0?	53.62	N	164.38	W	33	N	3.9		1.0	9	UNIMAK ISLAND REGION
	13	16	46	25.4?	32.47	N	137.37	E	310	*	4.3		1.2	9	SOUTH OF HONSHU, JAPAN
a	13	18	02	56.0	3.295	S	134.621	E	23	D	5.1	4.5	1.0	82	IRIAN JAYA REGION, INDONESIA. Mw 5.2 (HRV).
	13	18	29	28.1?	51.32	N	15.85	E	10	G			1.2	5	POLAND
	13	19	39	30.7*	48.844	N	156.521	E	33	N	4.2		0.9	19	EAST OF KURIL ISLANDS
	13	22	35	18.0?	45.19	N	152.00	E	33	N	4.0		1.2	12	EAST OF KURIL ISLANDS
	13	23	20	33.3&	64.951	N	146.441	W	21					19	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
	14	00	40	20.8*	32.389	S	71.007	W	70	G			0.5	13	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	14	01	46	28.6	4.264	N	32.541	W	10	G	4.6	4.3	0.8	35	CENTRAL MID-ATLANTIC RIDGE
	14	02	01	13.2*	4.090	N	32.404	W	10	G	4.2		1.0	14	CENTRAL MID-ATLANTIC RIDGE
	14	02	43	25.6*	37.169	N	142.066	E	45	*	4.2		1.1	18	OFF EAST COAST OF HONSHU, JAPAN
	14	03	06	20.5?	19.82	S	69.60	W	132	?	3.9		1.4	7	NORTHERN CHILE
	14	03	45	30.5	39.653	N	143.356	E	33	N	4.5	4.2	1.2	47	OFF EAST COAST OF HONSHU, JAPAN
	14	05	43	32.5?	20.94	S	174.78	W	34	D	4.4		1.0	21	TONGA ISLANDS
a	14	06	41	12.6*	23.164	S	170.791	E	33	N	4.9	5.0	1.7	56	LOYALTY ISLANDS REGION. Mw 5.5 (HRV). Ms 5.1 (BRK). Mo=4.6*10**17 Nm (PPT).
	14	06	47	28.3&	37.168	N	3.736	W	10	G			0.6	6	SPAIN. mbLg 2.3 (MDD).
	14	07	29	36.9?	21.81	N	99.11	E	10	G	4.6	4.0	1.5	9	MYANMAR-CHINA BORDER REGION. ML 4.6 (BJI).
	14	09	00	05.3?	38.39	N	74.46	E	33	N	4.4		0.3	8	TAJIKISTAN-XINJIANG BORDER REG.
	14	10	04	08.2*	39.313	N	20.185	E	33	N			1.6	7	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
	14	12	08	28.4?	20.31	S	177.81	W	500	G	4.1		1.2	11	FIJI ISLANDS REGION
	14	13	57	22.6*	5.167	S	153.744	E	33	N	4.0		0.8	10	NEW IRELAND REGION, P.N.G.
	14	14	03	06.6?	42.81	N	48.97	E	33	N	4.2		0.9	11	CASPIAN SEA
	14	15	42	03.1*	17.955	S	178.648	W	550	G	4.5		1.2	38	FIJI ISLANDS REGION
	14	16	52	46.7	24.322	N	121.872	E	10	G	5.2	4.9	1.2	170	TAIWAN. Ms 4.5 (BRK). Landslides blocked roads and ground cracks (VI JMA) occurred in the Nan-ao area. Felt (IV JMA) at Su-ao, (III JMA) at Hua-lien and (II JMA) at Taipei.
	14	16	59	38.0*	17.707	S	179.013	W	550	G	4.1		1.0	16	FIJI ISLANDS REGION
	14	17	05	55.6&	33.562	S	70.392	W	10	G			0.6	8	CHILE-ARGENTINA BORDER REGION
	14	17	35	25.5?	32.55	S	71.73	W	10	G			0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	14	17	40	48.1	24.266	N	121.838	E	14	D	4.4		1.4	28	TAIWAN. Felt (V JMA) at Nan-ao. Landslides blocked roads in the Nan-ao area.
	14	18	04	45.3&	59.616	N	152.970	W	101		4.1			119	SOUTHERN ALASKA. <AEIC>.
	14	18	32	11.1*	13.999	N	144.829	E	205		3.7		0.5	10	MARIANA ISLANDS
	14	19	03	48.0&	35.371	N	3.905	W	10	G			0.6	11	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
	14	19	05	02.7	5.056	S	102.448	E	48	D	4.6	4.4	1.1	42	SOUTHERN SUMATERA, INDONESIA
	14	19	06	26.9	53.315	N	166.835	W	33	N	4.9		1.0	169	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.6 (PMR). Felt (III) at Akutan. Also felt at Dutch Harbor.
	14	20	33	32.0*	32.625	S	71.691	W	10	G			0.8	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	14	21	05	03.1&	46.071	N	2.698	E	10	G			0.7	13	FRANCE. ML 2.6 (LDG).
	14	21	19	39.0	40.034	N	21.700	E	10	G	4.4		1.4	62	GREECE. MD 3.8 (ATH), 3.8 (TTG). ML 3.8 (TIR).
	14	21	59	33.1*	53.191	N	166.761	W	33	N	4.6		1.2	9	FOX ISLANDS, ALEUTIAN ISLANDS
	14	22	09	24.4*	33.640	S	179.575	W	33	N	4.9		1.2	19	SOUTH OF KERMADEC ISLANDS
	14	22	09	24.7	53.781	N	163.668	W	33	N	4.6	4.3	0.9	71	UNIMAK ISLAND REGION. ML 4.7 (PMR).
	14	22	30	32.9	39.564	N	22.199	E	5	G			1.3	9	GREECE. MD 3.2 (ATH).
	14	22	33	28.0&	16.128	N	61.112	W	54	*			0.3	11	LEEWARD ISLANDS
	14	23	15	23.6*	54.915	S	129.645	W	10	G	4.4		1.2	17	PACIFIC-ANTARCTIC RIDGE
	14	23	29	13.9*	51.036	N	178.108	W	33	N	4.2		1.1	29	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	00	39	49.2?	36.83	N	26.58	E	33	N			0.0	4	DODECANESE ISLANDS
	15	01	03	07.2	40.222	N	21.609	E	5	G			0.6	7	GREECE. MD 3.1 (ATH).
	15	01	03	28.3*	33.478	N	87.665	W	1	G			0.8	7	ALABAMA. mbLg 3.3 (GS). Possible mine collapse.
	15	01	10	36.7*	9.062	S	118.749	E	33	N	4.5		1.4	26	SUMBAWA REGION, INDONESIA
a	15	01	35	14.6*	19.900	S	177.547	W	358	D	5.5		1.0	238	FIJI ISLANDS REGION. Mw 5.8 (HRV).
	15	02	41	36.5&	47.624	N	122.198	W	25					30	WASHINGTON. <SEA-P>. MD 2.7 (SEA).
a	15	02	42	56.8	2.672	N	99.068	E	165	D	5.2		0.9	250	NORTHERN SUMATERA, INDONESIA. Mw 5.4 (HRV).
	15	03	22	43.2&	63.490	N	150.880	W	10					9	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.9 (PMR).
	15	04	21	15.4?	44.83	N	7.19	E	10	G			0.0	4	NORTHERN ITALY. ML 1.7 (GEN).
	15	04	33	42.6	28.037	N	142.705	E	31	D	4.7	4.1	1.2	60	BONIN ISLANDS REGION
	15	06	45	22.6	42.746	N	17.413	E	10	G	4.7	4.3	1.2	201	ADRIATIC SEA. MD 4.9 (TTG), 4.8 (FIR). ML 4.6 (LJU), 4.5 (TIR). Felt in the Bileca-Ljubinje-Trebinje area, Bosnia and Herzegovina.
	15	07	00	16.0?	32.51	S	71.79	W	10	G			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	15	07	10	43.5	43.091	N	17.992	E	10	G			0.8	10	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	15	07	12	56.3*	42.854	N	17.518	E	10	G			1.4	11	ADRIATIC SEA. ML 2.6 (TTG).
	15	07	29	42.8*	42.796	N	17.528	E	10	G			1.6	13	ADRIATIC SEA. ML 2.8 (TTG).
	15	07	41	38.7*	4.814	N	82.499	W	22	D	4.3		1.2	29	SOUTH OF PANAMA. MD 4.5 (UPA).
	15	07	47	03.2*	42.906	N	17.604	E	10	G			1.1	10	ADRIATIC SEA. ML 2.1 (TTG).
	15	08	11	51.2*	42.839	N	17.535	E	10	G			1.5	10	ADRIATIC SEA. ML 2.1 (TTG).
	15	08	17	45.6	42.954	N	17.630	E	10	G			0.8	9	ADRIATIC SEA. ML 2.2 (TTG).
	15	08	57	05.8?	33.08	S	72.35	W	33	N			0.9	11	OFF COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	15	09	36	58.7*	38.399	N	22.231	E	5	G			1.3	14	GREECE. ML 3.6 (ATH).
	15	09	53	37.2	42.993	N	17.650	E	10	G			0.9	10	ADRIATIC SEA. ML 2.2 (TTG).
	15	09	55	47.1&	33.449	S	70.810	W	70	G			0.5	8	CHILE-ARGENTINA BORDER REGION
	15	10	54	17.7	71.837	N	1.494	W	10	G	5.4	4.9	0.8	297	JAN MAYEN ISLAND REGION
	15	10	57	48.1&	37.551	N	118.835	W	7					38	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 3.0 (GS).

	15	11	45	42.0?	16.86	N	62.15	W	5	G			0.2	5	LEEWARD ISLANDS. ML 3.1 (FDF).
	15	12	26	07.9	42.789	N	17.582	E	10	G			1.3	27	ADRIATIC SEA. MD 3.2 (TTG).
	15	12	35	44.4?	43.56	N	147.41	E	33	N	3.9		0.7	6	KURIL ISLANDS
	15	12	42	56.7	44.862	N	148.116	E	103	D	4.9		0.8	180	KURIL ISLANDS
	15	12	55	02.2*	43.948	N	147.103	E	33	N	4.0		1.0	13	KURIL ISLANDS
	15	13	24	45.9*	43.054	N	13.641	E	10	G			1.3	15	CENTRAL ITALY. ML 3.5 (LDG).
a	15	13	52	21.6	23.319	S	170.845	E	22	D	5.6	5.2	1.1	237	LOYALTY ISLANDS REGION. Mw 5.5 (HRV). Ms 5.2 (BRK).
	15	14	36	18.7&	47.620	N	122.204	W	24					65	WASHINGTON. <SEA-P>. MD 3.1 (SEA). Felt in the Bellevue-Kirkland area.
	15	14	43	40.1*	18.507	N	147.202	E	27	D	4.2		1.3	18	MARIANA ISLANDS REGION
	15	14	57	10.6&	60.814	N	151.748	W	79					57	KENAI PENINSULA, ALASKA. <AEIC>.
	15	15	22	48.7	38.130	N	22.874	E	33	N			1.1	7	GREECE. MD 3.1 (ATH).
	15	15	38	02.8	42.801	N	17.539	E	10	G	4.0		1.3	72	ADRIATIC SEA. ML 4.0 (ROM), 3.7 (TTG), 3.5 (TIR).
	15	16	17	16.0?	34.50	S	70.52	W	110	G			0.7	9	CHILE-ARGENTINA BORDER REGION
	15	16	39	03.6*	31.038	N	141.403	E	33	N	4.5		0.8	10	SOUTH OF HONSHU, JAPAN
	15	17	24	05.3&	44.618	N	6.819	E	10	G			0.2	11	FRANCE
	15	17	41	15.0?	19.96	N	120.12	E	33	N	4.1		1.6	8	PHILIPPINE ISLANDS REGION
	15	18	42	36.3&	59.984	N	152.654	W	102					33	SOUTHERN ALASKA. <AEIC>.
	15	19	49	41.1*	46.892	N	153.981	E	33	N	4.1	3.5	1.0	21	KURIL ISLANDS
	15	19	50	57.1?	10.97	N	61.98	W	60	G			1.7	4	TRINIDAD. MD 2.8 (TRN).
	15	20	53	06.4&	33.862	S	70.230	W	120	G			0.1	9	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
	15	21	43	57.9	41.566	N	19.860	E	10	G			1.0	13	ALBANIA. ML 2.8 (TIR), 2.6 (TTG).
	15	21	48	44.9	41.500	N	19.662	E	10	G			0.6	12	ALBANIA. ML 2.8 (TIR), 2.5 (TTG).
		2	30	45.1&	60.892	N	147.664	W	20					47	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
		31	48.2*	33.474	S	179.207	W	33	N	4.5		1.5	15	SOUTH OF KERMADEC ISLANDS
		47	31.6&	34.034	N	117.258	W	16					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.8 (GS).
		5	35.1&	38.827	N	2.953	W	10	G			1.4	9	SPAIN. mbLg 2.5 (MDD).
		5	55.5&	38.581	N	22.281	E	10	G			0.6	6	GREECE. ML 3.1 (ATH).
		24	17.3?	36.58	N	141.52	E	33	N	4.1		1.0	10	NEAR EAST COAST OF HONSHU, JAPAN
	16	00	55	58.7&	41.300	N	123.450	W	40					2	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
	16	01	59	43.6	42.805	N	17.490	E	10	G			1.5	57	ADRIATIC SEA. MD 3.5 (TTG). ML 3.5 (ROM), 3.4 (TIR).
	16	02	42	35.2?	7.12	S	129.93	E	150	G	4.3		1.1	9	BANDA SEA
	16	02	58	48.5*	42.796	N	17.559	E	10	G			1.5	12	ADRIATIC SEA. ML 2.7 (TTG).
	16	03	15	04.1	42.776	N	17.493	E	10	G	4.2		1.2	120	ADRIATIC SEA. MD 4.2 (FIR). ML 4.1 (TTG), 4.0 (TIR), 4.0 (ROM).
	16	03	46	49.7?	15.19	N	45.12	W	10	G	3.8		0.8	8	NORTHERN MID-ATLANTIC RIDGE
	16	04	06	15.1	15.078	N	61.230	W	160	G			0.4	19	LEEWARD ISLANDS
	16	05	26	03.3*	42.827	N	17.539	E	10	G			1.3	11	ADRIATIC SEA. ML 2.6 (TTG).
	16	06	40	28.9	54.376	N	35.108	W	10	G	4.5		1.1	38	NORTH ATLANTIC OCEAN
	16	06	54	27.0*	42.805	N	17.538	E	10	G			1.2	12	ADRIATIC SEA. MD 3.2 (TTG).
	16	08	46	27.3	54.940	N	160.493	W	33	N	4.7	3.7	1.0	106	ALASKA PENINSULA. ML 4.6 (PMR). Felt (III) at Cold Bay, King Cove and Sand Point.
	16	09	27	12.5	30.317	N	94.828	E	33	N	4.9		1.1	105	XIZANG
	16	10	27	06.6	38.089	N	22.727	E	10	G	4.1		1.3	52	GREECE
	16	10	39	28.3*	7.880	S	130.133	E	32	D	5.0		1.0	105	TANIMBAR ISLANDS REG., INDONESIA
	16	10	59	55.9?	14.06	S	172.24	E	550	G	4.1		1.2	13	VANUATU ISLANDS REGION
	16	11	10	36.8*	8.135	S	130.800	E	33	N	4.3		1.5	13	TANIMBAR ISLANDS REG., INDONESIA
		11	51	16.8	58.991	S	25.567	W	33	N	4.9		0.9	48	SOUTH SANDWICH ISLANDS REGION
	16	11	55	19.3*	5.482	S	147.064	E	211		4.6		0.9	18	EASTERN NEW GUINEA REG., P.N.G.
	16	12	01	26.9	42.322	N	19.893	E	10	G			0.5	9	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
		12	43	16.6?	18.02	S	177.45	W	33	N	4.3		1.3	14	FIJI ISLANDS REGION
	16	13	44	21.6?	36.48	N	2.93	W	5	G			0.5	5	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
	16	14	06	47.1	16.290	S	179.937	E	452	?	4.2		0.9	65	FIJI ISLANDS
	16	14	54	41.1	42.700	N	17.459	E	10	G			1.5	25	ADRIATIC SEA. ML 3.3 (TTG), 3.1 (TIR).
	16	16	05	15.7*	7.904	S	130.164	E	33	N	4.5		0.9	43	TANIMBAR ISLANDS REG., INDONESIA
	16	16	33	06.4&	59.879	N	141.547	W	10					19	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	16	16	42	17.3?	51.20	N	15.84	E	10	G			1.2	6	POLAND
	16	19	18	45.8	43.954	N	147.098	E	33	N	4.2		0.9	22	KURIL ISLANDS
	16	23	11	02.9&	44.358	N	7.497	E	10	G			0.4	6	NORTHERN ITALY. ML 1.8 (GEN).
	16	23	12	01.8&	44.346	N	7.528	E	10	G			0.4	5	NORTHERN ITALY. ML 1.6 (GEN).
	16	23	36	50.5	29.972	N	69.568	E	30	D	4.7		1.4	91	PAKISTAN
	16	23	46	54.4	18.161	S	174.574	W	130	D	5.1		0.9	122	TONGA ISLANDS
	16	23	54	10.1	40.066	N	71.588	E	33	N	4.4		1.2	48	TAJIKISTAN
	16	23	54	59.3*	11.664	N	142.351	E	33	N	4.5	4.1	1.1	26	SOUTH OF MARIANA ISLANDS
	17	01	26	08.2?	11.63	N	142.98	E	33	N	4.3		0.7	7	SOUTH OF MARIANA ISLANDS
	17	03	24	15.9*	22.987	S	170.343	E	37	D	5.0		1.4	44	LOYALTY ISLANDS REGION
	17	03	28	50.5	44.338	N	10.618	E	10	G			1.2	19	NORTHERN ITALY. ML 2.7 (LDG). MD 2.0 (FIR).
	17	03	50	47.0?	7.01	S	152.13	E	472	?	4.4		0.9	9	NEW BRITAIN REGION, P.N.G.
	17	04	13	57.6?	7.30	S	146.08	E	164	*	4.2		0.9	8	EASTERN NEW GUINEA REG., P.N.G.
	17	06	38	01.4&	59.280	N	153.764	W	127					29	SOUTHERN ALASKA. <AEIC>.
		07	04	15.8	44.409	N	10.851	E	10	G			1.2	26	NORTHERN ITALY. ML 2.8 (LDG).
		9	15	31.2	7.462	S	127.721	E	122	D	5.0		1.0	82	BANDA SEA
		08	19	46.7&	59.797	N	151.116	W	47					26	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
		10	41	26.4&	59.567	N	152.433	W	62					24	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
		11	11	42.2*	56.792	S	26.165	W	33	N	4.8		1.2	25	SOUTH SANDWICH ISLANDS REGION
	17	12	32	32.7&	61.663	N	150.874	W	67					54	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR).
	17	12	49	19.0?	39.88	N	13.22	E	475	?	4.2		1.0	27	TYRRHENIAN SEA
	17	14	06	19.8*	11.846	N	125.505	E	196	?	4.1		1.2	35	SAMAR, PHILIPPINE ISLANDS
	17	14	09	55.9*	3.466	N	77.384	W	33	N	4.4		1.3	14	NEAR WEST COAST OF COLOMBIA
	17	14	21	26.0	44.576	N	146.385	E	117	*	4.5		0.7	30	KURIL ISLANDS
	17	15	04	15.1&	61.822	N	148.107	W	32					58	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
	17	15	51	40.9*	4.183	S	81.012	W	33	N	4.1		1.2	16	NEAR COAST OF NORTHERN PERU
	17	18	34	15.2?	26.82	S	175.77	W	33	N	4.2		1.3	8	SOUTH OF TONGA ISLANDS
	17	19	12	58.9*	38.146	N	20.460	E	10	G	4.2		1.3	43	GREECE. ML 3.9 (TTG).
	17	19	35	19.2?	11.05	S	113.76	E	33	N	3.6		1.6	9	SOUTH OF JAWA, INDONESIA
	17	20	49	23.0?	39.84	N	22.13	E	10	G			1.3	11	GREECE
	17	20	52	25.0	40.301	N	21.680	E	10	G	3.9		1.0	22	GREECE. ML 3.4 (TTG).
	17	20	58	57.2*	12.216	N	125.542	E	33	N	4.5	4.1	0.9	22	SAMAR, PHILIPPINE ISLANDS
	17	21	00	08.3?	12.76	N	87.17	W	33	N			1.2	9	NEAR COAST OF NICARAGUA
a	17	23	18	15.7	40.192	N	21.532	E	22	D	5.3	4.8	1.2	324	GREECE. Mw 5.2 (HRV). MD 5.1 (TTG). ML 4.9 (TIR). Felt (V) in the epicentral area. Felt at Grevena and Kozani. Also felt (IV) in the western part of the former Yugoslav Republic of Macedonia.

	17	23	40	07.8*	29.513	N	113.177	W	10	G	3.9		1.3	24	GULF OF CALIFORNIA
	18	00	28	18.3*	78.756	N	4.408	E	10	G			1.4	6	GREENLAND SEA
	18	01	58	08.1&	37.776	N	4.554	W	10	G			0.4	12	SPAIN. mbLg 2.8 (MDD).
	18	03	05	24.6*	55.381	N	162.767	E	33	N	4.2		1.2	18	NEAR EAST COAST OF KAMCHATKA
	18	03	09	06.4	40.070	N	21.560	E	10	G	4.5		1.3	58	GREECE. MD 4.1 (TTG). ML 3.9 (TIR).
	18	03	10	38.5*	38.179	N	20.372	E	10	G	4.4		1.5	21	GREECE
	18	03	48	41.4&	47.821	N	120.097	W	3					50	WASHINGTON. <SEA-P>. MD 2.7 (SEA).
	18	04	34	28.7&	58.565	N	155.302	W	119		3.8			75	ALASKA PENINSULA. <AEIC>.
	18	04	36	28.5	31.409	S	72.047	W	33	N	4.0		1.2	20	OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN)
	18	05	05	24.2?	34.17	S	70.36	W	110	G			0.1	5	CHILE-ARGENTINA BORDER REGION
	18	05	05	30.9	39.963	N	21.637	E	10	G	4.4		1.4	42	GREECE. MD 4.0 (TTG).
	18	05	13	30.1	40.334	N	21.687	E	10	G	4.1		0.9	25	GREECE. ML 3.6 (TIR), 3.5 (TTG).
	18	05	37	26.2*	60.852	N	60.639	W	10	G	3.7		1.4	12	DAVIS STRAIT
	18	06	23	31.1?	44.39	N	7.36	E	5	G			0.4	4	NORTHERN ITALY. ML 2.1 (GEN).
	18	06	55	07.2	6.809	S	129.035	E	33	N	4.7		1.2	30	BANDA SEA
	18	06	59	27.2&	60.053	N	152.706	W	99					128	SOUTHERN ALASKA. <AEIC>.
	18	07	17	27.3&	60.621	N	151.909	W	74					99	KENAI PENINSULA, ALASKA. <AEIC>. Felt (III) at Kenai.
	18	07	20	38.0?	51.65	N	12.94	E	10	G			0.4	4	GERMANY
	18	07	42	52.1*	39.988	N	21.722	E	10	G	4.6		1.3	102	GREECE. MD 4.5 (TTG). ML 4.2 (TIR).
	18	08	24	50.5*	55.206	N	165.500	E	33	N	4.1		0.7	19	KOMANDORSKY ISLANDS REGION
	18	08	48	58.5*	31.391	S	71.958	W	33	N	4.9		1.2	16	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN).
	18	09	04	54.4*	12.101	N	125.440	E	33	N	4.1		0.7	8	SAMAR, PHILIPPINE ISLANDS
	18	09	32	13.7&	33.709	S	70.414	W	10	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	18	11	14	07.2?	21.84	N	99.04	E	10	G	4.0		1.6	6	MYANMAR-CHINA BORDER REGION. ML 4.2 (BJI).
	18	11	35	20.8*	50.932	N	179.350	W	33	N	4.2		0.6	8	ANDREANOF ISLANDS, ALEUTIAN IS.
	18	11	52	22.5?	7.06	S	127.23	E	395	?	4.2		1.2	13	BANDA SEA
	18	12	51	24.0*	50.685	N	5.742	E	10	G			0.1	5	BELGIUM. ML 2.4 (DBN), 2.3 (UCC).
	18	13	55	26.2&	38.825	N	122.794	W	3					10	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
	18	14	01	42.8	18.027	S	178.511	W	589	*	4.4		1.0	71	FIJI ISLANDS REGION
	18	14	23	06.3	44.874	N	10.725	E	10	G			1.0	25	NORTHERN ITALY. ML 3.1 (LDG), 2.9 (VIE).
a	18	14	35	42.7	3.854	S	135.266	E	13	G	5.5	5.6	1.2	148	IRIAN JAYA REGION, INDONESIA. Mw 5.8 (GS), 5.9 (HRV). Ms 5.6 (BRK). Felt (IV) at Tembagapura. Also felt in the Nabire area. Depth from broadband displacement seismograms.
	18	15	30	36.2?	39.74	N	21.82	E	10	G			0.7	9	GREECE
	18	17	07	31.0?	25.02	N	126.72	E	33	N	4.2		0.5	6	RYUKYU ISLANDS
	18	17	38	55.5?	0.23	S	129.40	E	33	N	4.6		1.6	12	HALMAHERA, INDONESIA
	18	18	47	13.8*	8.421	N	82.898	W	5	G			1.0	10	PANAMA-COSTA RICA BORDER REGION. MD 4.2 (UPA).
	18	18	53	25.9?	44.46	N	7.42	E	10	G			0.3	4	NORTHERN ITALY. ML 1.8 (GEN).
	18	19	57	50.4&	60.382	N	152.840	W	122					50	SOUTHERN ALASKA. <AEIC>.
	18	20	19	07.7*	40.047	N	21.647	E	10	G	4.5		1.3	62	GREECE. ML 4.2 (TIR), 4.0 (TTG).
	18	20	20	16.2	44.435	N	7.351	E	5	G			0.3	13	NORTHERN ITALY. ML 2.2 (GEN), 2.2 (LDG).
	18	20	55	41.5*	5.344	N	72.910	W	10	G	4.3		1.5	21	COLOMBIA. Felt in Boyaca Department.
	18	21	02	17.4&	62.019	N	150.941	W	63		3.8			108	CENTRAL ALASKA. <AEIC>. ML 3.7 (AEIC), 3.7 (PMR). Felt at Denali Park, Skwentna and Talkeetna. Also felt (II) at Willow.
	18	21	15	57.9&	60.754	N	150.669	W	48					76	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC), 2.8 (PMR).
	18	21	33	41.7	22.005	N	99.138	E	10	G	4.8		1.1	91	MYANMAR-CHINA BORDER REGION. ML 4.5 (BJI).
a	18	22	00	49.8	46.103	N	151.030	E	33	N	5.5		0.8	350	KURIL ISLANDS. Mw 5.5 (HRV). Felt (IV) on Urup and (II) on Simushir.
	18	22	03	02.4?	34.38	S	70.61	W	110	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	18	22	12	20.3&	33.716	S	70.432	W	10	G			0.5	9	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
	18	22	18	08.9*	10.868	N	86.306	W	33	N	4.8		1.3	24	OFF COAST OF COSTA RICA
	18	22	56	49.8	38.827	N	24.932	E	14	D	4.8	4.4	1.2	214	AEGEAN SEA. ML 4.6 (TTG).
	18	23	29	54.6	42.668	N	27.977	E	10	G	3.7		1.0	22	BULGARIA. Felt in eastern Bulgaria.
a	19	00	24	14.6	22.719	S	169.783	E	12	G	5.7	5.5	1.2	292	LOYALTY ISLANDS REGION. Mw 6.0 (GS), 5.9 (HRV). Me 5.9 (GS). Ms 5.4 (BRK). Depth from broadband displacement seismograms.
	19	00	25	37.1*	22.766	S	169.842	E	33	N	5.2		1.0	30	LOYALTY ISLANDS REGION
	19	00	42	35.1&	33.741	S	70.508	W	10	G			0.6	6	CHILE-ARGENTINA BORDER REGION
	19	00	45	04.8*	22.879	S	169.517	E	27	D	4.5		1.4	31	LOYALTY ISLANDS REGION
	19	00	47	40.9*	51.605	N	16.425	E	10	G			1.1	8	POLAND
	19	00	52	52.3	17.866	S	178.596	W	595	*	4.6		0.7	68	FIJI ISLANDS REGION
	19	01	43	34.9*	32.303	S	69.600	W	120	G			0.5	12	MENDOZA PROVINCE, ARGENTINA. MD 3.7 (SAN).
	19	02	09	47.8*	0.149	S	124.581	E	97	?	4.5		1.5	20	SOUTHERN MOLUCCA SEA
	19	02	35	40.2&	33.571	S	70.332	W	100	G			0.2	8	CHILE-ARGENTINA BORDER REGION
	19	04	24	07.4&	59.167	N	150.820	W	19					52	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
	19	05	54	18.7?	21.42	S	68.36	W	149	*	4.3		1.1	11	CHILE-BOLIVIA BORDER REGION
	19	06	50	50.5&	63.484	N	151.132	W	17					62	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.6 (PMR).
	19	07	39	10.2&	58.088	N	155.327	W	85					31	ALASKA PENINSULA. <AEIC>.
	19	08	23	01.2&	61.558	N	146.484	W	30					58	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
	19	09	32	09.0&	61.559	N	146.484	W	30					63	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
	19	10	53	23.6	16.693	N	98.614	W	30	D	4.9	4.3	1.2	114	NEAR COAST OF GUERRERO, MEXICO
	19	11	08	43.2?	40.03	N	22.27	E	10	G			1.0	6	GREECE
	19	11	27	57.3&	31.838	S	71.564	W	33	N			0.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	19	11	31	21.2	53.986	N	166.529	W	89	D	4.1		1.0	28	FOX ISLANDS, ALEUTIAN ISLANDS
	19	12	28	10.6*	22.850	S	169.839	E	33	N	4.2		1.2	17	LOYALTY ISLANDS REGION
a	19	13	28	26.2*	4.625	S	153.237	E	31	D	5.3	5.3	1.0	170	NEW IRELAND REGION, P.N.G. Mw 5.8 (HRV).
	19	15	16	15.8	46.934	N	150.952	E	209	?	4.5		1.1	64	KURIL ISLANDS
	19	16	08	22.6	30.321	N	94.866	E	33	N	4.9		1.1	94	XIZANG. ML 4.3 (BJI).
	19	16	28	44.7&	59.535	N	151.528	W	38					61	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	19	16	37	08.8&	33.448	S	70.687	W	80	G			0.7	9	CHILE-ARGENTINA BORDER REGION. MD 1.9 (SAN).
	19	18	10	13.6	24.801	N	95.139	E	120	*	4.3		1.0	26	MYANMAR
	19	18	23	12.1	39.977	N	21.627	E	10	G	4.8		1.3	151	GREECE. ML 4.7 (TIR). MD 4.5 (TTG).
	19	19	48	45.3&	33.706	S	70.433	W	10	G			0.4	8	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
a	19	20	56	25.2*	6.035	S	154.510	E	32	D	5.2	5.4	1.1	133	SOLOMON ISLANDS. Mw 5.6 (HRV). Ms 5.5 (BRK).
	19	21	56	40.8	43.743	N	7.606	E	10	G			0.9	17	NEAR SOUTH COAST OF FRANCE. ML 2.6 (GEN), 2.5 (LDG).
	19	22	24	39.0&	59.822	N	139.249	W	2					18	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	19	23	20	22.8?	45.76	N	150.16	E	33	N	4.0		0.7	10	KURIL ISLANDS
	20	00	06	58.2	43.422	N	17.577	E	10	G			1.0	21	NORTHWESTERN BALKAN REGION. MD 3.3 (TTG).
	20	00	12	05.2&	62.184	N	148.998	W	40		4.4			115	CENTRAL ALASKA. <AEIC>. ML 3.9 (AEIC), 4.0 (PMR). Felt (III) at Willow.

	20	00	19	25.3	29.848	N	69.520	E	20	D	4.7	1.3	81	PAKISTAN
	20	02	09	12.4	43.496	N	17.517	E	10	G	3.9	1.4	105	NORTHWESTERN BALKAN REGION. MD 4.4 (TRI), 3.9 (TTG). ML 4.1 (TIR), 4.0 (ROM), 4.0 (VIE).
	20	02	10	34.4	36.528	N	89.632	W	5	G		0.6	14	NEW MADRID, MISSOURI REGION. mbLg 3.2 (GS). MD 2.7 (SLM).
	20	04	20	52.8*	35.874	N	69.978	E	33	N	4.5	1.1	14	HINDU KUSH REGION, AFGHANISTAN
	20	04	48	41.3	11.165	N	57.575	E	10	G	4.6 4.1	1.1	41	ARABIAN SEA
	20	05	06	26.3?	31.85	S	71.91	W	33	N		0.7	11	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	20	05	08	25.8*	12.402	S	41.410	E	10	G	5.1 4.6	0.9	169	NORTHWEST OF MADAGASCAR. mbLg 5.0 (BUL).
	20	05	14	14.3*	4.914	S	140.434	E	33	N	4.4	1.5	13	IRIAN JAYA, INDONESIA
	20	06	26	29.0?	3.61	S	136.01	E	33	N	4.6	1.4	15	IRIAN JAYA, INDONESIA
	20	06	54	42.6?	14.58	N	60.51	W	33	N		0.2	4	WINDWARD ISLANDS. ML 2.7 (FDF).
a	20	07	15	36.1	13.376	N	89.896	W	76		4.9	1.0	157	EL SALVADOR. Mw 5.3 (HRV). MD 5.2 (SSS), 5.1 (GCG). Felt (II) at San Salvador.
	20	08	06	01.4	17.603	N	65.783	W	10	G	4.2	0.9	30	PUERTO RICO REGION. MD 3.8 (MPR).
	20	08	53	01.8	52.854	N	174.396	W	208		5.1	0.9	247	ANDREANOF ISLANDS, ALEUTIAN IS. mb 4.9 (BRK).
	20	09	02	11.8*	43.382	N	146.336	E	33	N	4.5	0.3	8	KURIL ISLANDS
	20	09	10	06.3	19.939	N	145.567	E	102	*	4.5	0.9	42	MARIANA ISLANDS
	20	10	03	29.6%	33.708	S	70.451	W	10	G		0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
a	20	10	58	25.2	58.910	S	25.798	W	33	N	5.4 4.7	1.1	76	SOUTH SANDWICH ISLANDS REGION. Mw 5.4 (HRV).
	20	11	05	23.5*	44.407	N	148.174	E	33	N	4.4	0.8	9	KURIL ISLANDS
	20	11	13	37.9	0.522	N	80.091	W	33	N	5.0 4.8	1.1	110	NEAR COAST OF ECUADOR. MD 4.6 (UPA). Felt (IV) at Esmeraldas; (III) at Guayaquil and Santo Domingo de los Colorados; (II) at Quito. Widely felt along the coast of Ecuador.
	20	11	46	06.3*	33.281	S	71.942	W	20	G		0.4	8	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	20	12	31	24.8?	55.35	N	161.93	E	33	N	3.9	0.4	9	NEAR EAST COAST OF KAMCHATKA
	20	12	32	00.9%	44.398	N	7.400	E	5	G		0.4	7	NORTHERN ITALY. ML 2.3 (GEN).
	20	12	37	13.1?	71.06	N	6.10	W	10	G		1.1	9	JAN MAYEN ISLAND REGION
	20	12	39	17.2	37.260	N	134.941	E	377		4.3	1.0	38	SEA OF JAPAN
	20	13	51	49.5*	0.662	N	124.130	E	33	N	4.4	1.3	14	MINAHASSA PENINSULA, SULAWESI
	20	13	52	21.2%	33.551	S	70.753	W	80	G		0.3	8	CHILE-ARGENTINA BORDER REGION
	20	14	02	01.8?	9.81	S	123.02	E	170	*	3.9	0.8	8	TIMOR REGION, INDONESIA
	20	14	16	58.6*	2.817	S	134.624	E	33	N	4.2	0.9	9	IRIAN JAYA REGION, INDONESIA
	20	14	33	12.8	31.494	S	68.675	W	100	G		0.9	17	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
	20	15	36	52.5	2.093	N	126.653	E	88	?	4.8	1.1	45	NORTHERN MOLUCCA SEA
	20	16	39	35.7&	38.748	N	119.651	W	0				7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.7 (GS).
	20	16	48	10.0%	33.703	S	70.461	W	10	G		0.5	9	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
	20	17	04	07.8*	31.407	S	69.399	W	120	G		0.7	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (SAN).
	20	18	03	05.5	23.483	S	179.825	W	533	*	4.2	0.8	30	SOUTH OF FIJI ISLANDS
	20	19	30	00.3*	12.031	N	88.274	W	33	N	4.7	1.1	42	OFF COAST OF CENTRAL AMERICA
	20	19	36	51.7%	33.792	S	70.361	W	10	G		0.9	7	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
	20	19	49	16.6	43.369	N	17.549	E	10	G		1.1	16	NORTHWESTERN BALKAN REGION. MD 3.1 (TTG).
	20	20	06	47.5*	23.092	N	92.305	E	33	N	4.3	0.7	19	INDIA-BANGLADESH BORDER REGION
	20	20	44	24.5*	36.369	N	68.961	E	33	N	4.5	1.2	62	HINDU KUSH REGION, AFGHANISTAN
	20	21	20	32.6	43.810	N	7.534	E	10	G		0.6	12	NEAR SOUTH COAST OF FRANCE. ML 2.2 (GEN), 2.0 (LDG).
	20	21	42	32.5	45.611	N	14.106	E	5	G		1.5	19	NORTHWESTERN BALKAN REGION. MD 3.4 (LJU), 2.9 (TRI). ML 3.0 (VIE). Felt (IV) at Pivka.
	20	21	57	05.6&	62.444	N	151.048	W	87				62	CENTRAL ALASKA. <AEIC>.
	20	21	58	28.4?	49.19	N	156.18	E	33	N	3.9	0.7	6	KURIL ISLANDS
	20	22	05	49.7&	59.961	N	153.066	W	124				19	SOUTHERN ALASKA. <AEIC>.
	20	22	25	10.7*	44.856	N	9.953	E	10	G		0.9	12	NORTHERN ITALY. ML 2.4 (LDG).
	20	23	19	57.6&	62.738	N	150.340	W	85				50	CENTRAL ALASKA. <AEIC>.
	20	23	49	19.9%	45.774	N	2.931	E	10	G		0.7	11	FRANCE. ML 1.6 (LDG).
	21	01	48	18.3	32.504	N	49.906	E	61		4.4	0.8	43	WESTERN IRAN
	21	01	52	23.8%	45.247	N	6.541	E	10	G		0.1	5	FRANCE. ML 1.9 (LDG).
	21	03	29	16.1&	37.583	N	118.717	W	9				25	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.5 (GS), 3.4 (BRK).
	21	05	06	05.4?	7.41	N	124.03	E	33	N	4.1	0.6	5	MINDANAO, PHILIPPINE ISLANDS
	21	05	17	29.9?	23.74	S	169.29	E	33	N	4.3	0.9	12	LOYALTY ISLANDS REGION
	21	05	54	15.9	52.677	N	33.438	W	10	G	4.3	0.8	46	NORTH ATLANTIC OCEAN
	21	07	31	34.3	48.291	N	150.642	E	302	D	4.8	0.9	187	NORTHWEST OF KURIL ISLANDS
	21	10	28	13.5&	39.954	N	120.096	W	0				7	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
	21	11	23	07.1	12.264	N	125.522	E	33	N	4.6 4.3	0.7	33	SAMAR, PHILIPPINE ISLANDS
	21	11	57	07.5?	32.46	S	71.81	W	50	G		0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	21	12	22	28.6?	2.74	N	100.04	W	10	G	4.1	0.9	10	EAST CENTRAL PACIFIC OCEAN
a	21	13	27	26.4	1.330	S	137.911	E	29	D	5.2 4.9	0.9	108	NEAR NORTH COAST OF IRIAN JAYA. Mw 5.5 (HRV). Ms 5.1 (BRK).
	21	13	27	48.4*	40.061	N	21.555	E	63		4.0	1.2	36	GREECE
	21	13	49	47.0%	44.360	N	7.329	E	10	G		0.7	5	NORTHERN ITALY. ML 1.7 (GEN).
	21	14	33	49.4&	62.088	N	151.138	W	70				42	CENTRAL ALASKA. <AEIC>.
	21	16	46	56.7%	44.656	N	6.780	E	5	G		0.5	6	FRANCE. ML 2.0 (GEN).
	21	17	04	12.1?	1.79	S	128.30	E	33	N	4.5	0.9	10	HALMAHERA, INDONESIA
	21	17	21	46.9	38.226	N	112.904	W	5	G		0.4	12	UTAH. ML 3.6 (GS).
	21	17	37	30.5	44.479	N	148.235	E	76	*	4.5	0.7	60	KURIL ISLANDS
	21	18	03	30.0?	32.35	S	71.71	W	10	G		0.5	8	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	21	18	22	20.3?	35.13	S	71.21	W	100	G		0.2	8	CENTRAL CHILE. MD 3.7 (SAN).
	21	19	11	17.2%	37.084	N	3.919	W	10	G		0.5	13	SPAIN. mbLg 2.9 (MDD).
	21	19	26	01.2%	17.172	N	100.389	W	33	*		0.6	7	GUERRERO, MEXICO
	21	19	26	33.2?	3.32	N	123.28	E	505	*	4.2	0.8	11	CELEBES SEA
	21	19	56	52.4?	23.17	S	169.96	E	33	N	4.0	1.4	13	LOYALTY ISLANDS REGION
	21	21	02	36.5%	47.517	N	6.027	E	10	G		0.3	5	FRANCE. ML 1.7 (LDG).
	21	21	11	45.4*	49.846	N	18.458	E	10	G		0.5	7	CZECH AND SLOVAK REPUBLICS. ML 2.8 (CLL).
	21	22	02	05.3?	6.94	N	127.11	E	84	?	4.3	0.7	12	PHILIPPINE ISLANDS REGION
a	21	22	44	04.5	36.427	N	103.123	E	13	G	5.7 5.4	1.0	409	GANSU, CHINA. Mw 5.5 (GS), 5.6 (HRV). Me 5.5 (GS). Fourteen people killed, at least 60 injured, 5,000 homeless, 4,500 houses destroyed and 5,000 houses damaged in the Yongdeng area. Felt at Baiyin, Dingxi, Jingtai, Lanzhou, Tianzhu and Wuwei. Also felt at Xining, Qinghai. Depth from broadband displacement seismograms.
	21	22	58	59.5?	5.45	S	147.06	E	200		5.0	1.0	11	EASTERN NEW GUINEA REG., P.N.G.

21	23	10	48.4?	36.45	N	103.33	E	10	G			0.3	4	GANSU, CHINA. ML 3.5 (BJI).
21	23	20	12.7?	6.82	N	73.00	W	180	?	4.0		1.0	9	NORTHERN COLOMBIA
21	23	33	53.1*	9.554	N	126.438	E	33	N	4.6		0.8	16	MINDANAO, PHILIPPINE ISLANDS
21	23	50	54.2?	24.71	N	110.11	W	10	G	4.4		1.2	11	BAJA CALIFORNIA, MEXICO
22	00	02	39.6*	20.680	S	178.814	W	566	?	4.1		1.0	20	FIJI ISLANDS REGION
22	00	06	06.3*	36.414	N	103.244	E	10	G	4.2		1.2	16	GANSU, CHINA. ML 3.9 (BJI).
22	00	40	43.9	0.440	S	123.001	E	102	*	4.6		1.1	42	MINAHASSA PENINSULA, SULAWESI
22	01	05	34.9?	32.23	S	71.06	W	70	G			0.2	9	NEAR COAST OF CENTRAL CHILE. MD 2.6 (SAN).
22	01	39	26.7*	31.442	S	69.063	W	99	?			0.6	13	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
22	02	11	39.1*	61.174	N	4.021	E	5	G			0.7	5	SOUTHERN NORWAY. MD 1.6 (BER).
22	03	10	24.8*	31.841	S	69.499	W	140	G			0.3	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
22	03	21	43.3&	44.984	N	6.513	E	5	G			0.3	5	FRANCE. ML 2.1 (GEN).
22	03	54	02.8	55.505	N	35.120	W	10	G	4.1		0.9	27	NORTH ATLANTIC OCEAN
22	03	58	11.3&	60.159	N	152.612	W	90					53	SOUTHERN ALASKA. <AEIC>.
22	04	06	30.3&	60.040	N	153.350	W	143					83	SOUTHERN ALASKA. <AEIC>.
22	04	55	21.5*	17.260	S	71.347	W	94	*	3.9		1.0	15	NEAR COAST OF PERU. Felt (II) at Arequipa.
22	06	24	42.9*	34.867	N	23.395	E	33	*	4.3		1.3	27	CRETE
22	06	49	23.8?	33.09	S	178.90	W	33	N	4.6		1.4	15	SOUTH OF KERMADEC ISLANDS
22	07	01	33.1	51.589	N	16.277	E	5	G	3.6		0.9	40	POLAND. ML 4.2 (GRF), 4.1 (VIE), 4.0 (FUR), 3.9 (MOX).
22	08	04	36.1*	21.595	N	143.470	E	254	?	4.0		1.1	17	MARIANA ISLANDS REGION
22	08	17	55.4&	32.936	N	116.235	W	12					8	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.1 (PAS), 3.0 (GS). MD 2.9 (ECX).
22	09	01	03.8?	34.50	S	70.65	W	110	G			0.1	8	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
22	09	12	20.3?	33.98	S	178.85	W	33	N	4.2		1.3	9	SOUTH OF KERMADEC ISLANDS
22	09	26	21.4&	36.631	N	121.245	W	9					16	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 2.9 (GS).
22	10	40	16.3*	16.762	S	173.952	W	27	*	4.2		0.9	21	TONGA ISLANDS
22	11	07	58.7*	32.780	S	71.404	W	40	G			1.0	12	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
22	11	21	49.2	51.592	N	16.280	E	21				1.0	33	POLAND. ML 4.1 (MOX), 3.9 (GRF), 3.8 (VIE).
22	13	31	53.5	13.966	S	34.820	E	10	G	5.1		0.8	122	MALAWI
22	14	00	44.2*	31.431	S	72.179	W	33	N			0.6	14	OFF COAST OF CENTRAL CHILE
22	15	55	01.3*	44.517	N	149.665	E	33	N	4.4		1.2	12	KURIL ISLANDS
22	16	09	32.3&	39.592	N	120.410	W	0					5	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
22	16	14	30.3&	61.138	N	4.794	E	10	G			0.7	5	SOUTHERN NORWAY. MD 1.4 (BER).
22	16	34	43.4&	61.910	N	147.825	W	39					60	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
22	17	21	07.5*	52.290	N	176.594	W	150	*	4.0		1.3	24	ANDREANOF ISLANDS, ALEUTIAN IS.
22	18	39	42.4	43.528	N	144.157	E	125		4.4		0.7	67	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Kushiro.
22	18	48	27.7?	5.69	S	133.82	E	33	N	4.7		0.9	6	ARU ISLANDS REGION, INDONESIA
22	20	33	55.3*	67.595	N	160.827	W	10	G			1.4	6	NORTHERN ALASKA. ML 3.6 (PMR).
22	20	37	56.2?	67.02	N	160.84	W	10	G			0.8	5	NORTHERN ALASKA. ML 3.0 (PMR).
22	22	19	48.3?	21.93	N	38.12	E	10	G			1.5	5	RED SEA. MD 3.8 (RYD).
22	22	31	00.4&	34.053	N	118.927	W	15					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
22	22	32	37.2*	62.559	S	159.955	W	10	G	4.5	4.6	1.2	14	PACIFIC-ANTARCTIC RIDGE
23	07	16.4&	34.068	S	70.330	W	10	G				0.3	5	CHILE-ARGENTINA BORDER REGION
23	01	23	39.3*	10.949	N	84.879	W	220	?	4.7		1.0	35	COSTA RICA
23	01	38	08.2&	43.773	N	7.822	E	10	G			0.4	5	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG).
23	01	44	05.0	6.710	N	73.020	W	172		4.6		1.0	50	NORTHERN COLOMBIA
23	02	02	29.1?	35.11	S	71.93	W	50	G			0.4	10	CENTRAL CHILE. MD 4.0 (SAN).
23	03	53	49.9&	61.426	N	147.449	W	20					72	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
23	04	18	26.6&	61.126	N	152.122	W	94					69	SOUTHERN ALASKA. <AEIC>.
23	04	46	11.9*	48.358	N	146.047	E	33	N	4.8		0.5	11	SEA OF OKHOTSK
23	05	32	18.1?	22.59	S	66.30	W	311	?	4.2		0.8	8	JUJUY PROVINCE, ARGENTINA
23	05	39	49.5	22.015	N	98.907	E	10	G	4.4		1.4	31	MYANMAR-CHINA BORDER REGION
23	06	06	57.7?	32.25	S	72.30	W	33	N			0.6	9	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
23	06	11	56.8?	10.83	S	113.11	E	53	?	3.5		0.5	5	SOUTH OF JAWA, INDONESIA
23	06	28	06.8	36.277	N	72.120	E	130	*	4.8		0.7	24	AFGHANISTAN-TAJIKISTAN BORD REG.
23	06	43	02.9	51.665	N	16.347	E	10	G			0.7	9	POLAND. ML 2.6 (MOX), 2.4 (CLL).
23	08	06	28.2?	35.92	S	71.79	W	117	*	4.3		1.3	16	CENTRAL CHILE. MD 3.9 (SAN).
23	08	13	52.2*	39.579	N	144.724	E	33	N	4.6		0.7	10	OFF EAST COAST OF HONSHU, JAPAN
23	08	37	27.4*	27.282	N	54.557	E	33	N	4.4		1.3	11	SOUTHERN IRAN
23	09	49	17.1	43.524	N	146.835	E	57	*	4.5		0.8	37	KURIL ISLANDS
23	09	59	52.3	5.799	S	130.038	E	129	*	4.8		0.8	30	BANDA SEA
23	10	15	52.2*	51.556	N	16.320	E	10	G			0.6	6	POLAND. ML 2.8 (MOX).
23	10	59	53.4&	46.563	N	5.676	E	10	G			0.6	9	FRANCE. ML 2.1 (LDG).
23	11	28	06.7	39.460	N	69.210	E	33	N	4.3		1.1	24	TAJIKISTAN. ML 4.3 (BJI).
23	13	10	16.4&	32.650	S	70.683	W	80	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
23	13	36	54.4?	7.60	S	129.77	E	135	?	4.5		1.2	7	BANDA SEA
23	14	16	51.8?	6.53	N	126.10	E	166	?	4.3		1.3	12	MINDANAO, PHILIPPINE ISLANDS
23	14	37	31.2&	32.804	S	70.221	W	100	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
23	15	03	27.9?	32.66	S	70.14	W	110	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
23	15	06	51.8*	6.898	N	73.099	W	154	?	4.8		1.4	14	NORTHERN COLOMBIA
23	15	08	56.9	42.623	N	2.362	E	10	G			0.8	11	PYRENEES. mbLg 3.5 (MDD). ML 3.4 (LDG).
23	15	27	35.7&	60.301	N	141.113	W	7					54	SOUTHEASTERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.8 (PMR).
23	15	51	53.9*	63.696	N	0.677	E	33	N			0.8	13	NORWEGIAN SEA. MD 2.6 (BER).
23	16	09	47.2?	38.21	N	0.46	W	10	G			1.0	4	SPAIN. mbLg 2.5 (MDD).
23	17	50	06.4?	34.99	N	6.18	W	33	N			1.0	14	MOROCCO. mbLg 3.4 (MDD).
23	17	58	53.0*	26.841	S	175.892	W	52	?	4.6		1.1	24	SOUTH OF TONGA ISLANDS
23	18	44	26.0	38.638	N	14.684	E	33	N			1.1	95	SICILY. ML 4.1 (TTG).
23	18	44	41.8?	33.77	N	102.86	E	33	N			1.1	5	SICHUAN, CHINA. ML 3.8 (BJI).
23	19	04	16.8&	37.030	N	5.464	W	10	G			0.8	13	SPAIN. mbLg 2.7 (MDD).
23	19	53	12.5*	22.705	S	169.821	E	33	N	4.7		1.2	51	LOYALTY ISLANDS REGION
23	20	33	08.6&	61.275	N	152.031	W	97		3.7			93	SOUTHERN ALASKA. <AEIC>.
23	21	21	27.1&	40.336	N	124.281	W	30					16	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.6 (GM). ML 3.5 (BRK), 3.5 (GS). Felt (III) at Rio Dell.
23	22	03	41.9*	24.175	S	179.652	W	461	?	3.7		0.9	10	SOUTH OF FIJI ISLANDS
23	22	15	47.7&	46.371	N	1.839	W	10	G			0.8	17	FRANCE. ML 3.0 (LDG).
23	22	30	12.4*	9.616	N	122.512	E	33	N	4.7	4.1	1.1	24	NEGROS, PHILIPPINE ISLANDS
23	22	37	56.3	42.894	N	14.237	E	10	G			1.1	70	CENTRAL ITALY. ML 4.0 (LDG), 3.4 (ROM).
23	22	40	39.8&	34.055	N	117.513	W	4					8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS), 2.6 (GS). Felt in the Fontana area.
23	23	17	37.4?	31.89	S	71.84	W	33	N			1.2	10	NEAR COAST OF CENTRAL CHILE
24	00	18	37.5&	63.272	N	151.085	W	10					51	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.3 (PMR).
24	00	25	17.8	19.035	N	121.074	E	68	*	4.4		0.9	29	PHILIPPINE ISLANDS REGION
24	03	29	18.4&	36.026	N	117.885	W	5					21	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.3 (PAS),

														3.3 (GS).
	24	03	46	32.4*	23.710	S	66.557	W	212	*	4.2	1.2	25	JUJUY PROVINCE, ARGENTINA
	24	04	06	50.1?	32.39	S	71.67	W	10	G		0.7	8	NEAR COAST OF CENTRAL CHILE
	24	04	25	09.6?	59.89	S	29.01	W	33	N	4.3	1.3	15	SOUTH SANDWICH ISLANDS REGION
	24	04	26	15.9	34.470	N	136.981	E	344		4.2	0.4	17	WESTERN HONSHU, JAPAN
	24	05	01	58.0&	41.162	N	120.219	W	4				8	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).
a	24	05	53	20.9	13.504	N	89.659	W	84		4.9	0.8	156	EL SALVADOR. Mw 5.2 (HRV). MD 4.9 (SSS). Felt (IV) at San Salvador.
	24	06	07	24.9	65.048	N	138.892	W	10	G	4.6	0.9	91	NORTHERN YUKON TERRITORY, CANADA. ML 4.8 (AEIC), 4.8 (PMR), 4.7 (PGC). Felt at Eagle, Alaska.
	24	06	14	09.6*	41.180	N	21.143	E	5	G		1.1	16	NORTHWESTERN BALKAN REGION. ML 2.8 (TTG), 2.8 (TIR), 2.5 (SKO). Felt (IV) at Resen.
	24	06	41	48.5?	37.81	N	4.11	W	10	G		0.2	4	SPAIN. mbLg 2.2 (MDD).
	24	07	02	32.8*	24.372	N	121.890	E	51	*	4.1 3.7	1.3	20	TAIWAN
	24	07	26	12.9	8.768	S	125.535	E	18	*	5.0	1.1	40	TIMOR REGION, INDONESIA
	24	07	36	53.9*	9.012	S	125.716	E	96	?	4.7	1.2	18	TIMOR REGION, INDONESIA
	24	09	37	14.0	44.975	N	146.613	E	173		4.7	0.8	145	KURIL ISLANDS
	24	10	02	45.7*	38.047	N	124.235	E	33	N	4.7	1.3	13	NORTH KOREA. ML 4.6 (BJI). Felt at Seoul and in western Kyonggi Province, South Korea.
a	24	10	19	48.4	29.740	N	130.622	E	39	D	5.0 5.4	1.2	160	RYUKYU ISLANDS. Mw 5.5 (HRV).
	24	12	44	43.7*	21.978	N	38.563	E	10	G	3.9	1.3	6	RED SEA. MD 3.5 (RYD).
	24	13	01	49.7*	52.157	N	31.395	W	10	G	4.1	1.0	29	NORTHERN MID-ATLANTIC RIDGE
	24	13	46	19.5*	55.597	N	35.149	W	10	G	3.6 4.0	1.1	13	NORTH ATLANTIC OCEAN
	24	14	27	52.8%	44.340	N	8.238	E	5	G		0.1	6	NORTHERN ITALY. ML 2.2 (GEN).
	24	15	16	37.9?	29.27	S	71.03	W	109	?		0.1	5	NEAR COAST OF CENTRAL CHILE
	24	16	09	01.4?	33.12	S	178.70	W	33	N	4.5	0.5	10	SOUTH OF KERMADEC ISLANDS
	24	16	44	18.5?	46.69	N	10.52	E	10	G		0.3	6	NORTHERN ITALY. ML 2.0 (VIE).
	24	16	58	56.5	37.899	N	15.409	E	16		4.0	1.0	17	SICILY. MD 3.6 (ROM).
	24	18	35	24.7?	32.72	S	178.32	W	33	N	4.8	1.3	14	SOUTH OF KERMADEC ISLANDS
a	24	19	13	21.4	55.596	N	35.061	W	10	G	5.4 5.2	0.9	349	NORTH ATLANTIC OCEAN. Mw 5.3 (HRV). Ms 5.3 (BRK).
	24	19	24	32.7	71.919	N	0.684	W	10	G		1.1	18	JAN MAYEN ISLAND REGION. MD 3.2 (BER).
	24	19	31	04.1&	63.691	N	148.841	W	104				41	CENTRAL ALASKA. <AEIC>.
	24	19	43	45.2&	36.813	N	121.405	W	10				10	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
	24	20	40	30.6*	43.859	N	10.315	E	10	G		0.2	5	CENTRAL ITALY. ML 2.0 (LDG).
	24	20	57	51.7*	7.159	S	129.698	E	171	?	4.4	1.4	14	BANDA SEA
	24	21	22	57.5?	44.38	N	7.35	E	5	G		0.3	4	NORTHERN ITALY. ML 1.8 (GEN).
	24	22	55	40.0?	34.72	S	70.86	W	100	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
	24	23	34	57.7*	48.735	N	154.628	E	73	*	4.5	0.9	34	KURIL ISLANDS
	24	23	52	58.4%	45.466	N	26.979	E	33	N		1.0	5	ROMANIA
	25	00	49	49.2&	57.492	N	152.478	W	19				51	KODIAK ISLAND REGION. <AEIC>. ML 3.7 (AEIC), 3.8 (PMR).
	25	00	57	34.8	0.035	S	123.824	E	144	*	4.7	1.1	50	MINAHASSA PENINSULA, SULAWESI
	25	02	38	18.6&	34.009	N	116.320	W	5				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	25	02	52	48.6*	40.304	N	142.508	E	72	*	4.4	1.1	19	NEAR EAST COAST OF HONSHU, JAPAN
	25	02	54	58.4	43.317	N	12.342	E	10	G		1.2	22	CENTRAL ITALY. ML 3.0 (LDG). MD 3.1 (FIR).
	25	03	51	17.2?	47.38	N	11.68	E	10	G		0.1	4	AUSTRIA. ML 0.8 (VIE).
	25	04	14	45.8%	46.228	N	2.076	E	5	G		0.4	9	FRANCE. ML 1.7 (LDG).
	25	04	27	51.9&	59.838	N	141.348	W	10				22	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	25	04	31	22.8?	7.86	S	121.32	E	33	N	3.9	0.6	7	FLORES SEA
	25	04	50	22.1&	37.582	N	118.826	W	7				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
	25	07	35	13.9&	61.459	N	149.978	W	38				64	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
	25	07	49	20.9	13.445	N	145.183	E	58		4.7	1.0	42	MARIANA ISLANDS. Felt (VI) at Pago Bay; (V) at Dededo and Mangilao; (IV) on the rest of Guam.
	25	09	49	39.9&	62.693	N	149.427	W	59				74	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.3 (PMR).
	25	10	03	33.9	43.178	N	1.384	W	11			1.3	23	PYRENEES. mbLg 3.3 (MDD). ML 3.3 (LDG). Felt (III) at Burguete, Spain.
	25	10	09	47.7?	39.05	N	27.57	E	10	G		0.8	11	TURKEY
	25	10	54	26.6&	36.753	N	121.257	W	11				7	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM).
	25	11	41	35.7	42.371	N	19.393	E	10	G		0.9	10	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	25	11	53	55.0	46.311	N	13.283	E	10	G		1.0	13	AUSTRIA. ML 2.6 (VIE), 2.4 (LJU).
	25	12	33	58.7%	32.965	S	71.108	W	60	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 2.3 (SAN).
	25	12	48	07.6*	15.809	S	173.832	W	77	*	4.3	0.9	32	TONGA ISLANDS
	25	12	57	16.0?	47.81	N	13.05	E	5	G		0.4	6	AUSTRIA. ML 2.5 (VIE).
	25	13	37	32.5	43.224	N	146.512	E	50	*	4.6 4.3	1.0	61	KURIL ISLANDS
	25	13	45	00.0*	18.056	N	66.198	W	33	N		0.6	7	PUERTO RICO REGION. MD 2.5 (MPR).
	25	14	51	37.1*	20.662	S	179.288	W	639	*	4.2	0.8	24	FIJI ISLANDS REGION
a	25	15	13	26.8	10.702	N	41.212	W	10	G	5.5 5.5	0.9	350	NORTHERN MID-ATLANTIC RIDGE. Mw 5.7 (HRV). Ms 5.5 (BRK).
	25	15	13	47.1*	6.273	S	128.255	E	346	*	4.6	1.4	22	BANDA SEA
	25	15	21	55.0*	2.219	S	125.010	E	33	N	4.4	1.2	12	CERAM SEA
a	25	15	32	49.4	2.247	S	124.962	E	31	D	5.4 4.8	1.1	103	CERAM SEA. Mw 5.4 (HRV).
	25	15	41	24.5	23.196	N	105.845	E	10	G	4.2 4.2	1.3	10	YUNNAN, CHINA. ML 4.7 (BJI).
	25	16	45	52.3	43.034	N	111.134	W	5	G		0.4	31	EASTERN IDAHO. ML 3.0 (GS).
	25	18	10	02.1	50.362	N	18.946	E	10	G		0.8	11	POLAND. MG 2.9 (WAR).
	25	18	11	22.9*	50.244	N	18.932	E	10	G		0.7	6	POLAND. MG 3.1 (WAR).
	25	18	38	05.6	47.243	N	11.478	E	5	G		0.9	9	AUSTRIA. ML 1.7 (VIE), 1.7 (FUR).
	25	18	49	36.1	43.778	N	7.568	E	5	G		0.4	8	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG), 2.1 (GEN).
	25	18	50	28.1*	38.560	N	12.423	E	10	G	4.4	1.0	8	SICILY
	25	19	06	54.1%	33.951	S	70.619	W	90	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
	25	19	34	10.1	43.007	N	111.106	W	5	G		0.9	61	EASTERN IDAHO. ML 4.1 (GS). Felt (IV) at Thayne, Wyoming.
	25	19	53	48.8	43.894	N	7.547	E	10	G		0.5	7	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).
	25	19	58	06.8?	32.00	S	71.29	W	60	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	25	20	31	35.8	38.782	N	31.665	E	25		4.2	1.1	64	TURKEY
	25	20	37	23.9	17.136	N	121.814	E	33	N	4.2 4.2	0.8	22	LUZON, PHILIPPINE ISLANDS
	25	20	39	59.4*	41.960	N	20.532	E	10	G		1.2	10	ALBANIA. ML 2.3 (TTG).
	25	20	49	33.7*	8.721	S	122.500	E	33	N	4.1	1.0	9	FLORES REGION, INDONESIA
	25	20	54	05.8	17.064	N	121.705	E	33	N	4.3 4.1	1.0	33	LUZON, PHILIPPINE ISLANDS
	25	20	55	28.0*	2.140	S	125.199	E	33	N	4.7	0.8	18	CERAM SEA
	25	21	04	10.7	53.102	N	160.091	E	54	*	4.9	0.9	144	NEAR EAST COAST OF KAMCHATKA
	25	21	53	07.7	17.111	N	121.741	E	33	N	4.5 4.1	0.9	61	LUZON, PHILIPPINE ISLANDS
a	25	22	39	24.4	44.148	N	148.425	E	40	D	5.5 4.8	0.9	318	KURIL ISLANDS. Mw 5.4 (HRV).
	25	22	47	31.8?	46.27	N	5.09	E	10	G		1.5	5	FRANCE. ML 1.8 (LDG).

	25	23	48	23.8	26.970	S	179.185	W	470	?	4.5	0.8	63	SOUTH OF FIJI ISLANDS
	26	00	53	33.9	33.240	S	70.302	W	100	G		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	26	01	18	49.9*	12.035	N	125.413	E	33	N	4.2	0.6	9	SAMAR, PHILIPPINE ISLANDS
	26	01	37	33.6	53.439	N	163.780	W	10	G	4.4 3.8	1.1	30	UNIMAK ISLAND REGION
	26	01	44	17.3*	58.628	S	61.965	W	10	G	4.1	1.1	11	DRAKE PASSAGE
	26	01	53	41.0?	29.44	N	138.44	E	339	?	4.1	0.6	12	SOUTH OF HONSHU, JAPAN
	26	02	23	31.2*	41.835	N	20.684	E	10	G		1.0	18	ALBANIA. ML 3.1 (TTG), 2.5 (SKO), 2.4 (TIR).
	26	06	36	04.0&	58.853	N	153.055	W	15				16	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
	26	07	30	34.4*	45.858	N	14.637	E	10	G		1.2	5	NORTHWESTERN BALKAN REGION. MD 2.7 (LJU). Felt in the Grosuplje area.
	26	09	08	58.7&	60.257	N	151.087	W	54				22	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
a	26	09	09	50.5	16.462	S	174.742	W	235	D	5.2	1.0	230	TONGA ISLANDS. Mw 5.7 (HRV). mb 4.7 (BRK).
	26	09	34	06.9*	66.468	N	7.615	E	10	G		1.3	10	NORWEGIAN SEA. MD 2.6 (BER).
	26	09	56	48.5	19.189	N	64.668	W	52		4.6	1.0	63	VIRGIN ISLANDS
	26	12	38	06.7&	35.370	N	2.908	W	10	G		0.6	9	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD). Felt (III) in the Melilla area, Spain.
	26	12	43	55.4	47.236	N	11.376	E	10	G		1.2	8	AUSTRIA. ML 2.5 (FUR), 2.2 (VIE). Felt (III) at Innsbruck.
	26	15	11	58.8*	2.741	N	79.926	W	10	G	4.3	1.3	18	SOUTH OF PANAMA
	26	16	10	00.5*	21.632	N	143.320	E	314	?	3.8	0.7	15	MARIANA ISLANDS REGION
	26	16	29	14.7?	29.46	S	177.86	W	87	*	4.7	1.5	10	KERMADEC ISLANDS, NEW ZEALAND
	26	17	01	50.5	17.402	S	178.821	W	516	*	4.2	0.8	30	FIJI ISLANDS REGION
	26	17	59	30.9?	33.84	N	25.12	E	10	G	4.4	0.6	8	EASTERN MEDITERRANEAN SEA
	26	20	34	36.8&	58.065	N	152.008	W	13				37	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
	26	20	47	51.5	39.343	N	71.725	E	64	*	4.8	0.9	85	TAJIKISTAN
	26	21	28	58.7&	46.908	N	7.772	E	10	G		0.5	5	SWITZERLAND. ML 2.2 (LDG).
	26	21	29	10.1	38.231	N	141.637	E	74		4.2	0.8	29	NEAR EAST COAST OF HONSHU, JAPAN
	26	21	36	42.1?	45.62	N	26.57	E	130	G		0.9	6	ROMANIA
	26	21	53	28.8&	46.627	N	6.485	E	10	G		0.8	10	SWITZERLAND. ML 2.0 (LDG).
a	26	23	42	02.7	2.534	N	127.681	E	65	G	6.0	1.1	343	NORTHERN MOLUCCA SEA. Mw 6.4 (GS), 6.3 (HRV). Me 6 7 (GS). Mo=7.1*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	27	00	47	45.5	38.840	N	118.097	W	5	G		0.8	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (GS).
	27	01	27	02.7	38.935	N	71.869	E	59	*	4.5	1.4	47	AFGHANISTAN-TAJIKISTAN BORD REG.
	27	01	38	52.3&	37.519	N	118.789	W	9				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK), 3.0 (GS).
	27	01	42	08.4&	37.517	N	118.787	W	8				21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM) ML 3.4 (BRK), 3.4 (GS).
	27	02	40	21.6?	34.19	S	72.94	W	33	N		1.2	14	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
	27	03	01	54.2&	63.477	N	148.834	W	9				57	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
a	27	05	51	18.9	12.590	S	79.228	E	16	G	6.2 5.8	0.8	482	SOUTH INDIAN OCEAN. Mw 6.0 (GS), 6.0 (HRV). Me 6.0 (GS). Mo=1.3*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	27	05	55	33.4	12.622	S	79.224	E	10	G	5.4	0.7	95	SOUTH INDIAN OCEAN
	27	06	21	01.6&	59.838	N	153.318	W	123				53	SOUTHERN ALASKA. <AEIC>.
	27	06	32	31.2&	65.768	N	145.475	W	24				10	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	27	06	35	29.5?	47.32	N	153.62	E	33	N	4.2	1.3	10	KURIL ISLANDS
	27	06	43	23.2*	34.812	S	108.685	W	10	G	3.9	1.4	17	SOUTHERN EAST PACIFIC RISE
	27	06	48	56.3	45.933	N	15.122	E	10	G		1.0	6	NORTHWESTERN BALKAN REGION. MD 3.2 (LJU). ML 2.6 (VIE).
	27	09	14	38.7*	6.642	S	147.218	E	10	G	3.4	1.3	7	EASTERN NEW GUINEA REG., P.N.G.
	27	09	40	55.0&	36.986	N	3.680	W	10	G		0.9	10	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
	27	09	48	44.4?	24.24	N	102.87	E	33	N		0.7	4	YUNNAN, CHINA. ML 3.6 (BJI).
	27	10	38	32.1&	33.534	S	70.366	W	10	G		0.7	6	CHILE-ARGENTINA BORDER REGION
	27	11	14	00.1*	11.467	S	165.970	E	94	?	4.0	1.1	21	SANTA CRUZ ISLANDS
	27	11	57	43.3*	14.270	N	145.384	E	101		4.4	0.9	13	MARIANA ISLANDS
	27	12	12	50.9&	38.803	N	122.812	W	4				10	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
a	27	12	21	32.4	8.683	S	111.206	E	72		5.1	1.2	174	JAWA, INDONESIA. Mw 5.4 (HRV). Felt (II) at Sawahan and Yogyakarta.
	27	12	30	07.6&	44.461	N	7.307	E	10	G		1.0	6	NORTHERN ITALY. ML 2.0 (GEN).
	27	13	00	38.9?	40.75	N	26.49	E	10	G		1.2	7	TURKEY
	27	13	04	13.7&	36.764	N	4.657	W	10	G		1.0	7	STRAIT OF GIBRALTAR. mbLg 2.3 (MDD).
	27	14	41	19.7&	33.671	S	70.675	W	80	G		0.2	6	CHILE-ARGENTINA BORDER REGION
a	27	15	16	29.2	8.845	N	93.678	E	28	D	5.2 4.6	1.0	184	NICOBAR ISLANDS, INDIA. Mw 5.2 (HRV).
	27	15	58	42.4	18.706	S	175.085	W	143	*	4.7	1.1	55	TONGA ISLANDS
	27	17	04	36.2&	41.641	N	111.981	W	7	G			23	UTAH. <SLC-P>. ML 3.5 (SLC), 3.3 (GS). Felt (IV) at Paradise and Wellsville. Also felt at Logan.
	27	17	22	36.1?	34.48	S	70.99	W	5	G		0.3	4	CHILE-ARGENTINA BORDER REGION
	27	19	33	57.9*	7.685	N	77.566	W	33	N	4.0	1.0	23	PANAMA-COLOMBIA BORDER REGION
	27	20	00	42.7	31.390	S	69.627	W	150	G		0.5	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.1 (SAN).
	27	21	06	32.6*	56.235	S	23.469	W	10	G	4.6	0.8	9	SOUTH SANDWICH ISLANDS REGION
	27	21	08	39.3&	36.030	N	4.460	W	10	G		0.3	6	STRAIT OF GIBRALTAR. mbLg 2.3 (MDD).
	27	21	20	45.7	22.296	S	68.523	W	114	D	3.9	0.9	33	NORTHERN CHILE. Felt (IV) at Calama.
	27	22	07	40.9&	61.455	N	146.650	W	29		4.8 4.3		210	SOUTHERN ALASKA. <AEIC>. ML 4.7 (AEIC), 4.9 (PMR). Felt (IV) at Chitina, Glenallen and Valdez; (III) at Moose Pass, Palmer and Wasilla. Also felt at Anchorage.
	27	22	11	36.5&	61.467	N	146.643	W	35				62	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
	27	22	18	59.7	8.853	N	93.728	E	33	N	4.8	1.0	122	NICOBAR ISLANDS, INDIA
	27	22	44	15.6*	51.639	N	16.343	E	10	G		1.1	8	POLAND
	27	22	58	43.3*	50.048	N	154.757	E	173	?	4.0	0.7	16	KURIL ISLANDS
	27	23	27	15.3?	37.34	N	2.18	W	10	G		1.1	4	SPAIN. mbLg 2.5 (MDD).
	28	00	48	37.3	19.565	N	69.618	W	33	N	4.2	1.0	27	DOMINICAN REPUBLIC REGION
	28	00	56	45.9&	38.807	N	0.705	W	10	G		0.5	8	SPAIN. mbLg 2.8 (MDD).
	28	00	58	41.6?	33.37	S	71.86	W	30			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	28	02	14	25.6?	19.58	N	107.10	W	33	N	4.1	0.4	13	OFF COAST OF JALISCO, MEXICO
	28	02	49	15.7*	43.350	N	22.509	E	10	G		0.4	7	NORTHWESTERN BALKAN REGION. ML 2.1 (SKO).
	28	03	39	17.2&	33.896	S	71.410	W	40	G		0.3	10	NEAR COAST OF CENTRAL CHILE
	28	03	39	20.8*	71.002	N	6.020	W	10	G	4.9	0.9	7	JAN MAYEN ISLAND REGION
	28	05	00	59.4?	16.04	N	97.77	W	33	N	4.1	0.9	16	OAXACA, MEXICO
	28	05	23	27.3?	10.90	N	62.02	W	60	G		0.7	4	NEAR COAST OF VENEZUELA
	28	05	24	07.5*	52.473	S	26.975	E	10	G	4.4	1.1	16	SOUTH OF AFRICA
	28	05	47	37.1&	46.168	N	74.953	W	21				21	SOUTHERN QUEBEC, CANADA. <OTT-P>. mbLg 3.3 (OTT), 2.7 (GS). Felt.
	28	05	51	50.2*	24.858	S	179.909	E	498	?	4.6	0.8	12	SOUTH OF FIJI ISLANDS

	28	06 32 17.9%	46.308	N	2.755	E	10	G			0.2	7	FRANCE. ML 1.9 (LDG).
	28	07 07 30.3&	33.541	N	116.690	W	9					16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS), 3.6 (GS). Felt in the epicentral area and as far as Pasadena.
a	28	07 28 24.8	14.735	N	122.095	E	21	D	5.0	4.6	1.0	99	LUZON, PHILIPPINE ISLANDS. Mw 5.2 (HRV).
	28	07 57 27.3	30.733	N	86.414	E	70	*	4.3		1.1	40	XIZANG
	28	08 07 49.9&	61.497	N	150.359	W	49					48	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
	28	08 42 18.4?	31.27	S	70.77	W	110	G			0.4	11	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
	28	10 48 27.9	24.232	S	66.877	W	188	*	3.8		1.0	28	SALTA PROVINCE, ARGENTINA
	28	11 07 52.6&	59.868	N	151.912	W	62					22	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	28	11 21 51.4?	34.34	S	70.58	W	100	G			1.0	9	CHILE-ARGENTINA BORDER REGION
	28	12 09 54.3*	27.418	N	103.483	E	33	N			0.9	7	YUNNAN, CHINA. ML 4.2 (BJI).
	28	12 13 50.3&	64.888	N	149.024	W	19					8	CENTRAL ALASKA. <AEIC>. ML 2.2 (AEIC), 3.2 (PMR).
	28	12 16 02.3&	64.864	N	148.925	W	22					11	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
a	28	14 29 11.0	21.182	S	175.394	W	92	G	6.3		0.8	561	TONGA ISLANDS. Mw 6.4 (GS), 6.4 (HRV). Me 6.6 (GS). Mo=1.1*10**19 Nm (PPT). Depth from broadband displacement seismograms.
	28	15 52 45.2*	19.319	S	177.506	W	559	*	4.0		0.8	20	FIJI ISLANDS REGION
	28	16 48 26.2*	50.178	N	18.902	E	10	G			1.2	5	POLAND. ML 2.4 (BRA).
	28	17 17 11.7?	32.41	S	70.95	W	70	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
	28	17 47 05.4%	44.438	N	6.964	E	10	G			0.2	5	FRANCE. ML 2.0 (GEN).
	28	18 16 52.6?	71.24	N	6.33	W	33	N			1.3	6	JAN MAYEN ISLAND REGION. MD 3.2 (BER).
	28	19 24 44.3*	52.782	N	4.313	E	10	G	4.0		1.0	6	THE NETHERLANDS
	28	19 46 13.9%	46.605	N	6.475	E	10	G			0.9	10	SWITZERLAND. ML 2.3 (LDG).
	28	19 56 45.6*	39.966	N	21.540	E	10	G	3.8		1.3	11	GREECE
	28	20 01 41.3	24.564	S	177.030	W	38	?	4.3		1.0	22	SOUTH OF FIJI ISLANDS
a	28	20 33 16.8	30.010	S	111.993	W	10	G	5.5	5.3	1.0	107	EASTER ISLAND REGION. Mw 5.5 (HRV). Ms 5.1 (BRK). Mo=5.0*10**17 Nm (PPT).
	28	20 53 45.4?	33.94	S	72.40	W	33	N			0.7	8	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	28	21 05 18.4	31.947	N	69.678	E	33	N	4.3		1.4	39	PAKISTAN
	28	21 45 57.0&	66.823	N	153.204	W	0	G				39	NORTHERN ALASKA. <AEIC>. ML 3.9 (AEIC), 4.0 (PMR).
	28	22 02 18.8&	59.966	N	149.270	W	14					80	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC), 3.7 (PMR). Felt (III) at Seward. Also felt at Moose Pass and Whittier.
	28	22 43 29.4	40.098	N	21.661	E	10	G	4.3		1.1	57	GREECE. ML 4.2 (ROM), 4.1 (TTG), 4.0 (TIR).
	28	22 54 31.1*	30.057	S	112.014	W	10	G	4.1		1.2	15	EASTER ISLAND REGION
	28	23 00 37.0*	5.894	S	149.194	E	126	*	4.6		0.7	16	NEW BRITAIN REGION, P.N.G.
	28	23 08 02.4*	25.962	S	71.408	E	10	G	4.5		0.6	9	MID-INDIAN RIDGE
	28	23 25 03.8*	26.019	S	71.457	E	10	G	4.5		0.8	12	MID-INDIAN RIDGE
	28	23 30 52.3%	28.935	N	35.396	E	10	G			0.2	6	WESTERN ARABIAN PENINSULA. MD 2.7 (RYD).
	29	00 08 42.9?	26.02	S	71.39	E	10	G	4.2		0.7	7	MID-INDIAN RIDGE
	29	01 12 38.4*	26.171	S	71.342	E	10	G	4.7		0.8	21	MID-INDIAN RIDGE
	29	01 23 01.8*	10.463	S	77.750	W	33	N	4.4		0.8	18	NEAR COAST OF PERU
	29	01 27 29.7?	11.10	N	61.81	W	50	G			0.4	4	WINDWARD ISLANDS
	29	06 52 22.3	4.108	N	126.464	E	33	N	4.6		1.0	40	TALAUD ISLANDS, INDONESIA
	29	07 00 47.0*	26.075	S	71.292	E	10	G	4.8		0.9	22	MID-INDIAN RIDGE
	29	07 41 52.9&	57.510	N	154.854	W	63					22	KODIAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
	29	07 51 42.3	6.455	S	129.782	E	73	?	4.4		1.3	15	BANDA SEA
	29	07 59 35.7	34.661	N	26.619	E	10	G	4.2		1.3	56	CRETE
a	29	08 01 26.3	4.278	N	126.656	E	54		5.5		1.1	208	TALAUD ISLANDS, INDONESIA. Mw 5.7 (HRV).
	29	08 02 49.1%	33.542	S	70.258	W	110	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	29	08 38 47.1	30.056	S	112.004	W	10	G	5.2	5.0	0.9	101	EASTER ISLAND REGION
	29	08 59 50.1*	58.569	S	26.111	W	33	N	4.0		0.8	5	SOUTH SANDWICH ISLANDS REGION
	29	09 39 28.9?	6.01	S	147.76	E	66	*	4.3		0.6	9	EASTERN NEW GUINEA REG., P.N.G.
	29	10 17 47.3&	64.203	N	149.967	W	31					33	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).
	29	10 46 59.7*	54.906	N	164.430	E	33	N	4.1		0.8	9	KOMANDORSKY ISLANDS REGION
	29	10 48 01.3?	34.27	S	70.29	W	120	G			0.1	5	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
	29	11 19 04.7	51.605	N	16.328	E	10	G			0.9	11	POLAND. ML 2.5 (CLL).
	29	11 19 45.9%	46.323	N	1.382	E	10	G			0.5	6	FRANCE. ML 1.8 (LDG).
	29	12 07 26.1%	44.358	N	7.304	E	5	G			0.2	6	NORTHERN ITALY. ML 1.8 (GEN).
	29	12 28 23.8	18.085	S	178.400	W	585	*	4.5		1.0	85	FIJI ISLANDS REGION
	29	12 48 00.7*	13.620	N	90.130	W	95		3.9		1.2	35	NEAR COAST OF GUATEMALA. MD 4.2 (SSS). Felt (II) at San Salvador, El Salvador.
	29	12 51 46.4&	65.709	N	145.272	W	17					10	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	29	12 57 22.3	43.941	N	7.814	E	10	G			0.7	8	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG), 2.1 (GEN).
	29	13 14 39.7*	22.138	S	169.539	E	33	N	3.9		1.2	20	LOYALTY ISLANDS REGION
	29	14 42 28.6&	37.492	N	118.875	W	4					10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
	29	15 36 50.7	3.998	N	126.538	E	89	*	4.5		1.0	35	TALAUD ISLANDS, INDONESIA
a	29	16 18 44.8	30.345	N	138.381	E	436	D	5.6		0.8	389	SOUTH OF HONSHU, JAPAN. Mw 5.6 (HRV). mb 5.9 (BRK).
	29	17 27 32.3*	20.057	S	176.695	W	230	?	4.1		0.6	12	FIJI ISLANDS REGION
	29	17 47 05.9	17.338	N	74.169	E	10	G			0.4	10	SOUTHERN INDIA
	29	17 55 46.7*	4.147	N	126.585	E	33	N	4.3		1.2	15	TALAUD ISLANDS, INDONESIA
a	29	18 23 59.9	35.765	N	140.400	E	35	D	5.4	4.8	0.9	289	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.3 (HRV). Felt (III JMA) at Chiba, Choshi, Mito and Yasato.
	29	18 48 44.7?	36.23	N	27.63	E	33	N	4.0		1.2	9	DODECANESE ISLANDS
	29	18 51 48.3?	34.92	N	26.72	E	33	N	3.7		1.2	18	CRETE
	29	19 22 18.4*	23.411	S	66.722	W	206	*	4.1		1.1	21	JUJUY PROVINCE, ARGENTINA
	29	19 59 22.3*	4.187	N	126.607	E	33	N	4.5		1.0	20	TALAUD ISLANDS, INDONESIA
	29	20 05 06.0	58.536	N	142.778	W	10	G			0.6	39	GULF OF ALASKA. ML 3.2 (AEIC).
	29	20 42 57.7?	31.24	S	69.89	W	130	G			0.5	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
	29	21 25 51.0	45.092	N	6.624	E	5	G			0.6	11	FRANCE. ML 2.4 (GEN), 2.3 (LDG).
	29	21 43 39.5	45.110	N	6.585	E	5	G			1.1	12	FRANCE. ML 2.3 (GEN), 2.1 (LDG).
	29	21 56 22.1*	20.311	S	177.867	W	505	*	4.0		0.7	17	FIJI ISLANDS REGION
	29	21 59 22.4?	3.86	N	96.18	E	123	?	3.9		0.5	12	NORTHERN SUMATERA, INDONESIA
	29	22 18 54.0	49.159	S	121.683	E	10	G	4.7	4.3	1.1	39	SOUTH OF AUSTRALIA
	30	02 01 43.4	22.969	N	94.541	E	109		4.5		0.9	51	MYANMAR
	30	02 22 48.6?	9.64	S	28.51	E	10	G	4.1		0.9	11	ZAIRE. mbLg 4.5 (BUL).
	30	03 14 05.3?	3.99	S	135.40	E	33	N	4.7		1.0	8	IRIAN JAYA REGION, INDONESIA
a	30	05 11 23.6	23.340	S	70.294	W	46	G	6.6	7.3	1.1	489	NEAR COAST OF NORTHERN CHILE. Mw 8.0 (GS), 8.0 (HRV). Me 7.6 (GS). Ms 7.2 (BRK). Mo=2.3*10**21 Nm (PPT). Three people killed, 58 injured, 630 homeless and 115 houses destroyed (VII) in the Antofagasta area. Landslides blocked several roads in the Antofagasta area. One person injured at Mejillones. Several houses

damaged at Calama, Mejillones, San Pedro de Atacama, Taltal and Tocopilla. Felt (VI) at Baquedano, Chuquicamata, Copiapo, Diego de Almagro, Inca de Oro, Iquique, Mejillones, Peine, Sierra Gorda, Taltal, Tierra Amarilla and Tocopilla; (V) at Chanaral, El Salvador, Huasco and Vallenar; (IV) at Arica, Caldera and La Serena. Felt in Buenos Aires, Cordoba, Jujuy, La Rioja, Mendoza, Salta and San Juan Provinces and as far away as Buenos Aires, Argentina. Also felt in southern Peru and (III) at La Paz, Bolivia. Tsunami generated with maximum wave heights (peak-to-trough, in cm) recorded at the following selected tide stations: 55 at Valparaiso, Chile; 10 on Easter Island; 75 at Hilo, 70 at Kahului, 15 at Honolulu and 12 at Nawiliwili, Hawaii; 27 at Crescent City, 25 at Santa Monica, 11 at San Diego and 10 at Los Angeles, California; 30 at Adak, 21 at Sand Point, 20 on Shemya, 10 at Kodiak and 9 at Seward, Alaska; 25 at Pago Pago, American Samoa; 9 at Papeete, Tahiti; 29 at Miyako and 26 at Hachinohe, Japan. Two events about 7.8 seconds apart. Depth from broadband displacement seismograms, based on first event.

30	05	23	35.5*	41.552	N	10.541	E	33	N		1.9	17	TYRRHENIAN SEA. ML 3.3 (LDG).
30	05	25	06.0	23.230	S	70.676	W	33	N	5.8	1.1	135	NEAR COAST OF NORTHERN CHILE. Felt (VI) at Antofagasta.
30	05	26	39.1?	23.31	S	70.54	W	33	N		1.0	12	NEAR COAST OF NORTHERN CHILE
30	05	28	12.3*	23.281	S	70.275	W	33	N		0.9	14	NEAR COAST OF NORTHERN CHILE
30	05	34	28.6*	25.191	S	69.990	W	33	N	4.8	1.3	12	NORTHERN CHILE
30	05	47	02.2	23.253	S	70.318	W	33	N	5.9	1.0	202	NEAR COAST OF NORTHERN CHILE
30	05	48	30.1?	25.25	S	71.02	W	33	N		1.4	9	OFF COAST OF NORTHERN CHILE
30	05	50	03.1*	23.247	S	69.971	W	33	N	5.4	0.7	18	NORTHERN CHILE
30	05	59	07.5	24.600	S	70.774	W	33	N	4.8	0.9	45	NEAR COAST OF NORTHERN CHILE
30	06	00	08.5	24.297	S	70.565	W	33	N	5.3	1.0	28	NEAR COAST OF NORTHERN CHILE
30	06	02	57.4*	24.212	S	70.890	W	33	N	4.8	0.6	20	NEAR COAST OF NORTHERN CHILE
30	06	08	12.2*	23.667	S	70.614	W	33	N	4.7	1.2	41	NEAR COAST OF NORTHERN CHILE
30	06	22	13.1?	12.77	N	87.89	W	33	N	4.2	1.1	10	NEAR COAST OF NICARAGUA
30	06	27	30.3*	24.133	S	70.848	W	33	N	4.7	1.1	24	NEAR COAST OF NORTHERN CHILE
30	06	39	28.8	24.266	S	70.574	W	33	N	5.1	1.0	83	NEAR COAST OF NORTHERN CHILE. Felt (VI) at Antofagasta.
30	06	45	17.7*	17.813	N	146.915	E	68	*	4.5	1.3	30	MARIANA ISLANDS
30	06	51	23.7*	23.931	S	70.345	W	33	N	4.5	1.2	18	NEAR COAST OF NORTHERN CHILE
30	06	54	15.7*	22.545	S	70.830	W	33	N	4.4	1.0	11	NEAR COAST OF NORTHERN CHILE
30	07	04	02.5	30.266	N	88.229	E	45		4.8	1.1	104	XIZANG
30	07	04	16.4	24.337	S	70.266	W	33	N	4.6	1.1	38	NEAR COAST OF NORTHERN CHILE
30	07	05	04.6?	24.15	S	70.51	W	33	N	4.5	0.6	9	NEAR COAST OF NORTHERN CHILE
30	07	06	33.2%	44.601	N	7.065	E	5	G		0.5	8	NORTHERN ITALY. ML 2.4 (GEN).
30	07	06	55.8	24.678	S	70.699	W	33	N	4.6	0.9	28	NEAR COAST OF NORTHERN CHILE
30	07	14	29.8	24.346	S	70.541	W	33	N	4.6	1.0	43	NEAR COAST OF NORTHERN CHILE
30	07	22	06.5	24.242	S	70.720	W	33	N	4.6	1.1	42	NEAR COAST OF NORTHERN CHILE
30	07	33	15.6	23.558	S	70.650	W	33	N	4.5	1.0	28	NEAR COAST OF NORTHERN CHILE
30	07	34	18.4	23.453	S	70.361	W	33	N	5.0	1.2	73	NEAR COAST OF NORTHERN CHILE. Felt (VI) at Antofagasta.
30	07	46	19.2*	23.814	S	70.815	W	33	N	4.1	0.9	7	NEAR COAST OF NORTHERN CHILE
30	07	51	21.8	24.841	S	70.551	W	33	N	4.6	1.2	23	NEAR COAST OF NORTHERN CHILE
30	07	54	49.3%	36.006	N	2.325	W	10	G		0.5	5	STRAIT OF GIBRALTAR. mbLg 2.3 (MDD).
30	08	02	25.0	23.563	S	70.573	W	33	N	4.6	1.2	46	NEAR COAST OF NORTHERN CHILE
30	08	17	18.2	23.982	S	70.276	W	30	D	5.2 6.0	1.0	115	NEAR COAST OF NORTHERN CHILE
30	08	22	57.9*	45.055	N	11.211	E	10	G		1.3	7	NORTHERN ITALY. ML 2.8 (VIE).
30	08	54	26.2*	24.288	S	70.125	W	33	N	3.7	1.1	12	NEAR COAST OF NORTHERN CHILE
30	08	58	01.7	23.517	S	70.554	W	33	N	4.6	1.3	51	NEAR COAST OF NORTHERN CHILE
30	09	04	56.6	24.582	S	70.577	W	33	N	4.4	1.0	26	NEAR COAST OF NORTHERN CHILE
30	09	12	05.3*	23.948	S	70.754	W	33	N	3.9	1.3	17	NEAR COAST OF NORTHERN CHILE
30	09	28	12.3*	39.995	N	21.810	E	33	N	4.0	1.2	17	GREECE. ML 3.5 (TIR), 3.5 (TTG).
30	09	30	32.2*	23.522	S	70.838	W	33	N	3.9	1.2	15	NEAR COAST OF NORTHERN CHILE
30	09	34	39.1	24.174	S	70.209	W	32	D	5.2	0.9	119	NEAR COAST OF NORTHERN CHILE
30	09	48	33.3*	20.717	S	178.776	W	595	*	4.1	1.1	27	FIJI ISLANDS REGION
30	09	49	01.7	23.908	S	70.221	W	33	N	4.5	1.1	31	NEAR COAST OF NORTHERN CHILE
30	10	13	20.8%	45.590	N	3.661	E	10	G		0.9	18	FRANCE. ML 3.1 (LDG).
30	10	16	09.8	24.066	S	70.832	W	33	N	4.5	1.0	30	NEAR COAST OF NORTHERN CHILE
30	10	19	00.1*	24.313	S	70.654	W	33	N	4.3	1.2	33	NEAR COAST OF NORTHERN CHILE
30	10	23	58.9?	53.83	N	161.42	E	33	N	3.4	0.7	7	OFF EAST COAST OF KAMCHATKA
30	10	27	47.3	23.870	S	70.449	W	33	N	4.2	1.1	23	NEAR COAST OF NORTHERN CHILE
30	10	35	39.2	24.359	S	70.715	W	11	G	5.8 5.3	1.0	307	NEAR COAST OF NORTHERN CHILE. Depth from broadband displacement seismograms.
30	10	56	13.0	23.055	S	70.799	W	33	N	5.4 5.6	1.1	193	NEAR COAST OF NORTHERN CHILE
30	11	06	32.6*	23.840	S	70.455	W	33	N	4.1	0.7	15	NEAR COAST OF NORTHERN CHILE
30	11	18	49.7	23.892	S	70.435	W	33	N	4.5	0.9	31	NEAR COAST OF NORTHERN CHILE
30	11	38	30.0	23.526	S	70.684	W	33	N	4.8	1.0	28	NEAR COAST OF NORTHERN CHILE
30	11	51	17.4	28.657	N	129.380	E	48	D	5.5 5.4	1.0	301	RYUKYU ISLANDS. Felt (IV JMA) at Naze, Amami O-shima.
30	12	04	55.2*	4.146	N	126.897	E	33	N	4.5	1.0	18	TALAUD ISLANDS, INDONESIA
30	12	15	57.5*	23.651	S	70.580	W	33	N	4.1	1.0	10	NEAR COAST OF NORTHERN CHILE
30	12	27	37.3	24.649	S	70.512	W	33	N	4.5	0.9	36	NEAR COAST OF NORTHERN CHILE
30	12	40	37.5	20.635	S	169.769	E	137	D	5.2	1.2	126	VANUATU ISLANDS
30	12	44	05.1*	24.264	S	70.673	W	33	N	4.5	1.1	21	NEAR COAST OF NORTHERN CHILE
30	12	51	37.6	24.441	S	70.850	W	33	N	4.6	1.1	37	NEAR COAST OF NORTHERN CHILE
30	12	54	10.1*	26.940	N	92.647	E	33	N	4.3	1.1	14	NORTHEASTERN INDIA
30	12	59	21.5	24.102	S	70.563	W	33	D	4.4	0.9	21	NEAR COAST OF NORTHERN CHILE
30	13	03	59.9	32.142	N	101.440	E	33	N	4.4	1.3	15	SICHUAN, CHINA. ML 4.1 (BJI).
30	13	05	41.0*	15.839	S	168.275	E	33	N	4.3	0.6	12	VANUATU ISLANDS
30	13	27	19.7	24.146	S	70.276	W	33	N	4.6	0.8	35	NEAR COAST OF NORTHERN CHILE
30	13	36	38.6	23.605	S	70.764	W	33	N	4.4	1.1	35	NEAR COAST OF NORTHERN CHILE
30	13	43	04.4*	23.453	S	70.837	W	33	N	4.4	1.5	16	NEAR COAST OF NORTHERN CHILE
30	13	45	56.9	23.229	S	70.090	W	33	N	4.6	1.0	51	NEAR COAST OF NORTHERN CHILE
30	14	09	02.6	24.719	S	70.479	W	33	N	4.6	0.8	21	NEAR COAST OF NORTHERN CHILE
30	14	09	36.9&	59.907	N	152.605	W	82				25	SOUTHERN ALASKA. <AEIC>.
30	14	15	53.9	24.747	S	70.656	W	33	N	4.7	1.1	48	NEAR COAST OF NORTHERN CHILE

	30	14	31	00.3*	4.012	N	126.676	E	153	?	4.3	1.4	20	TALAUD ISLANDS, INDONESIA
	30	14	35	52.2*	23.626	S	70.584	W	33	N	4.1	1.3	16	NEAR COAST OF NORTHERN CHILE
	30	14	44	46.0	24.077	S	69.988	W	33	N	4.8	1.1	49	NORTHERN CHILE
	30	15	13	08.0	4.173	N	126.753	E	23	D	5.3 4.9	1.0	145	TALAUD ISLANDS, INDONESIA
	30	15	34	11.9*	23.287	S	70.613	W	33	N	4.2	0.8	11	NEAR COAST OF NORTHERN CHILE
	30	15	40	51.7	24.184	S	70.532	W	33	N	4.5	1.0	39	NEAR COAST OF NORTHERN CHILE
	30	16	05	23.6?	17.17	S	172.15	W	22	*	4.2	1.1	12	TONGA ISLANDS REGION
	30	16	16	16.4	23.598	S	70.685	W	33	N	4.6	1.1	39	NEAR COAST OF NORTHERN CHILE
	30	16	19	24.4	24.876	S	70.715	W	33	N	5.3 4.8	1.0	167	NEAR COAST OF NORTHERN CHILE
	30	16	27	50.9*	23.935	S	70.425	W	33	N	4.4	1.3	20	NEAR COAST OF NORTHERN CHILE
	30	16	51	40.7	24.886	S	70.749	W	33	N	3.8	0.9	24	NEAR COAST OF NORTHERN CHILE
	30	17	21	53.0	23.813	S	70.829	W	33	N	4.6	1.1	34	NEAR COAST OF NORTHERN CHILE
	30	17	26	36.7*	24.592	S	70.713	W	33	N	4.2	1.4	10	NEAR COAST OF NORTHERN CHILE
	30	17	39	31.3	5.392	N	82.597	W	10	G	4.7	1.1	83	SOUTH OF PANAMA
	30	17	50	02.5*	23.234	S	70.512	W	33	N	3.8	1.5	20	NEAR COAST OF NORTHERN CHILE
	30	17	59	53.4*	23.888	S	70.160	W	33	N	4.6	1.2	39	NEAR COAST OF NORTHERN CHILE
	30	18	02	45.8	24.015	S	70.734	W	33	N	5.0 5.0	1.0	90	NEAR COAST OF NORTHERN CHILE
	30	18	26	31.9	23.685	S	70.626	W	33	N	4.7	1.1	52	NEAR COAST OF NORTHERN CHILE
	30	18	31	47.5*	22.325	S	171.015	E	33	N	4.5	1.2	29	LOYALTY ISLANDS REGION
	30	18	53	26.6*	24.634	S	70.597	W	33	N	4.3	1.6	31	NEAR COAST OF NORTHERN CHILE
	30	19	14	03.4	24.400	S	70.751	W	33	N	4.5	1.0	22	NEAR COAST OF NORTHERN CHILE
	30	19	16	36.8*	24.286	S	70.661	W	33	N	4.0	1.3	13	NEAR COAST OF NORTHERN CHILE
	30	19	20	14.6&	33.406	S	70.598	W	83	?		0.3	9	CHILE-ARGENTINA BORDER REGION
	30	19	43	09.2	21.987	N	99.052	E	33	N	4.1	0.8	24	MYANMAR-CHINA BORDER REGION
	30	20	18	09.0?	34.07	S	70.29	W	10	G		0.7	4	CHILE-ARGENTINA BORDER REGION
	30	20	31	32.0&	34.023	S	70.118	W	10			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	30	20	36	56.1	42.877	N	0.813	W	10	G		1.0	7	PYRENEES. ML 2.4 (LDG). mbLg 2.3 (MDD).
	30	20	42	54.5*	23.208	S	71.504	W	33	N	3.8	0.9	9	OFF COAST OF NORTHERN CHILE
	30	21	05	08.4	23.738	S	70.693	W	33	N	4.3	1.1	30	NEAR COAST OF NORTHERN CHILE
a	30	21	05	47.7	23.347	S	70.609	W	14	G	5.6 5.7	1.1	305	NEAR COAST OF NORTHERN CHILE. Mw 6.1 (GS), 6.2 (HRV). Me 6.1 (GS). Ms 5.4 (BRK). Depth from broadband displacement seismograms.
	30	21	52	30.8?	39.12	N	21.56	E	33	N	3.7	1.4	16	GREECE
	30	22	06	43.7?	23.88	S	71.50	W	33	N	3.9	1.1	5	OFF COAST OF NORTHERN CHILE
	30	22	17	04.0*	23.989	S	70.843	W	33	N	3.7	1.5	10	NEAR COAST OF NORTHERN CHILE
	30	22	20	41.4*	24.158	S	70.500	W	33	N	4.5	1.3	21	NEAR COAST OF NORTHERN CHILE
	30	22	27	55.0	23.271	S	70.057	W	33	N	4.9	1.1	84	NEAR COAST OF NORTHERN CHILE
	30	22	48	44.7	24.461	S	70.888	W	33	N	4.8	1.2	32	NEAR COAST OF NORTHERN CHILE
	30	23	04	04.6&	59.794	N	152.702	W	86				48	SOUTHERN ALASKA. <AEIC>.
	30	23	04	14.2&	17.245	N	99.882	W	45	?		0.1	8	GUERRERO, MEXICO
	30	23	06	44.0	23.608	S	70.516	W	33	N	4.7	0.9	55	NEAR COAST OF NORTHERN CHILE
	30	23	14	35.2*	23.310	S	70.604	W	33	N	4.8	1.5	55	NEAR COAST OF NORTHERN CHILE
	30	23	22	01.0*	24.241	S	70.526	W	33	N	4.3	1.3	25	NEAR COAST OF NORTHERN CHILE
	30	23	27	29.5&	44.348	N	7.446	E	10	G		0.4	5	NORTHERN ITALY. ML 1.6 (GEN).
	31	00	02	25.3	24.479	S	70.532	W	33	N	4.4	1.0	28	NEAR COAST OF NORTHERN CHILE
	31	00	14	47.3	24.125	S	70.219	W	33	N	5.0	1.0	80	NEAR COAST OF NORTHERN CHILE
	31	00	47	48.2&	37.690	N	90.810	W	5	G			7	EASTERN MISSOURI. <SLM-P>. MD 2.8 (SLM). mbLg 2.7 (GS).
	31	00	48	01.8?	7.40	S	129.59	E	119	?		1.1	11	BANDA SEA
	31	00	52	52.7	23.821	S	70.861	W	33	N	4.3	1.0	18	NEAR COAST OF NORTHERN CHILE
	31	01	16	56.6*	23.819	S	70.570	W	33	N	4.0	1.4	14	NEAR COAST OF NORTHERN CHILE
	31	01	28	52.0?	2.00	S	101.07	E	33	N	3.9	0.9	9	SOUTHERN SUMATERA, INDONESIA
	31	01	33	19.3&	63.132	N	151.279	W	12				61	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).
	31	01	51	15.6*	23.155	S	69.994	W	33	N	4.4	1.2	22	NORTHERN CHILE
	31	02	07	12.8	23.108	S	70.461	W	33	N	4.8 4.5	1.1	52	NEAR COAST OF NORTHERN CHILE
	31	02	10	46.9?	7.61	S	133.30	E	33	N	4.1	0.9	7	ARU ISLANDS REGION, INDONESIA
	31	02	33	21.7?	23.67	S	69.97	W	33	N	3.7	1.3	10	NORTHERN CHILE
	31	02	37	25.6?	34.30	S	70.43	W	120	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
	31	03	26	35.8*	39.289	N	36.983	E	33	N	4.1	1.0	31	TURKEY
	31	05	04	59.8	18.186	N	66.781	W	10	G		0.7	10	PUERTO RICO REGION. MD 2.9 (MPR).
	31	06	08	35.2	23.609	S	70.407	W	33	N	4.6	0.9	46	NEAR COAST OF NORTHERN CHILE
	31	06	17	21.3&	46.151	N	3.432	E	10	G		0.8	11	FRANCE. ML 2.4 (LDG).
	31	06	47	31.1	24.471	S	70.532	W	33	N	4.2	1.0	25	NEAR COAST OF NORTHERN CHILE
	31	06	51	05.7&	38.575	N	119.626	W	29				10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM).
a	31	07	03	54.7	15.467	N	46.623	W	10	G	4.9 4.8	0.8	154	NORTHERN MID-ATLANTIC RIDGE. Mw 5.3 (HRV).
	31	08	03	10.8	34.741	N	25.795	E	33	N	4.1	1.2	88	CRETE
	31	08	20	22.4	21.046	S	68.031	W	159	*	4.6	0.8	29	CHILE-BOLIVIA BORDER REGION
	31	08	26	46.5*	24.285	S	70.799	W	33	N	3.6	1.1	12	NEAR COAST OF NORTHERN CHILE
	31	08	36	22.4*	33.375	S	72.365	W	14			1.1	13	OFF COAST OF CENTRAL CHILE. MD 4.3 (SAN).
a	31	08	48	30.7	10.422	S	78.264	W	59	G	5.7	0.8	317	NEAR COAST OF PERU. Mw 5.7 (GS), 5.6 (HRV). Felt (IV) at Barranca, Huacho and Huarmey; (III) at Canta, Chimbote, Huarez and Lima. Depth from broadband displacement seismograms.
	31	08	59	54.1*	24.823	S	70.755	W	33	N	4.4	1.3	32	NEAR COAST OF NORTHERN CHILE
	31	09	25	32.9	23.740	S	70.120	W	44	D	4.8	1.1	55	NEAR COAST OF NORTHERN CHILE
	31	09	28	51.1&	33.291	S	72.680	W	10	G		0.5	10	OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	31	09	54	57.9*	29.321	S	179.010	W	312	*	3.8	1.0	15	KERMADEC ISLANDS REGION
	31	10	13	54.0*	51.231	N	7.843	E	10	G		1.1	7	GERMANY. ML 2.2 (DBN).
	31	11	51	19.5&	46.192	N	2.766	E	10	G		0.4	11	FRANCE. ML 2.1 (LDG).
	31	12	34	46.5	37.107	N	116.415	W	10	G		0.6	34	SOUTHERN NEVADA. ML 4.0 (GS). MD 4.2 (REN). Felt at Garden Valley.
	31	13	50	03.6	6.474	S	147.081	E	33	N	3.7	1.0	9	EASTERN NEW GUINEA REG., P.N.G. ML 4.2 (PMG).
	31	14	13	12.1?	8.97	S	109.24	E	79	?	4.0	1.1	10	JAWA, INDONESIA
	31	14	26	08.1	51.468	N	6.383	E	10	G		1.1	18	GERMANY. ML 3.3 (LDG), 3.1 (DBN), 2.9 (UCC).
	31	14	42	11.6?	33.60	S	179.25	E	511	?	4.5	0.9	13	SOUTH OF KERMADEC ISLANDS
	31	15	07	51.5&	15.438	N	61.175	W	33	N		1.3	6	LEEWARD ISLANDS. ML 2.8 (FDF).
	31	15	13	02.6	5.038	S	142.449	E	126		5.0	0.9	93	NEW GUINEA, PAPUA NEW GUINEA
	31	15	24	54.1&	47.112	N	6.738	E	10	G		1.0	10	FRANCE. ML 2.2 (LDG).
	31	15	48	52.1	30.551	S	117.261	E	10	G		1.3	8	WESTERN AUSTRALIA
	31	17	25	30.3&	59.518	N	152.490	W	97				77	SOUTHERN ALASKA. <AEIC>.
	31	17	30	56.0*	23.990	S	70.626	W	33	N	4.4	1.0	22	NEAR COAST OF NORTHERN CHILE
	31	18	00	10.8*	23.349	S	70.709	W	33	N	4.0	1.3	13	NEAR COAST OF NORTHERN CHILE
	31	20	15	50.9	24.174	S	70.305	W	33	N	4.3	1.0	27	NEAR COAST OF NORTHERN CHILE
	31	21	47	42.9&	17.491	N	101.157	W	10	G		0.3	7	NEAR COAST OF GUERRERO, MEXICO

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 04 10 55.13 12.892N 57.424E 10km
5.2mb (70 obs.) 4.6Msz (14 obs.)
ARABIAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 19S, 23C
Centroid Location:
Origin Time 04:10:55.7 0.8
Lat 12.56N 0.12 Lon 57.75E 0.10
Dep 15.0 BDY Half-duration 1.1
Principal Axes:
Scale 10**16 Nm

T	Val= 10.55	Plg=28	Azm= 35
N	-0.31	17	296
P	-10.24	57	179

Best Double Couple:Mo=1.0*10**17
NP1:Strike=161 Dip=23 Slip= -43
NP2: 291 75 -107

01 09 14 53.96 33.988S 72.329W 33km
4.9mb (34 obs.) 4.4Msz (2 obs.)
OFF COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 21S, 26C
Centroid Location:
Origin Time 09:14:56.1 0.4
Lat 34.14S 0.06 Lon 72.84W 0.06
Dep 29.8 3.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

T	Val= 8.26	Plg=67	Azm= 64
N	-1.26	7	171
P	-7.00	22	264

Best Double Couple:Mo=7.6*10**16
NP1:Strike= 7 Dip=24 Slip= 108
NP2: 168 67 82

01 23 57 44.20 55.413S 27.654W 33km
5.0mb (12 obs.) 5.3Msz (7 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 32S, 67C
Centroid Location:
Origin Time 23:57:49.2 0.2
Lat 55.55S 0.03 Lon 28.26W 0.05
Dep 15.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**17 Nm

T	Val= 2.90	Plg=54	Azm=253
N	0.95	13	144
P	-3.85	33	45

Best Double Couple:Mo=3.4*10**17
NP1:Strike= 95 Dip=18 Slip= 40
NP2: 326 79 104

02 01 14 17.19 9.762S 74.589W 131km
5.2mb (109 obs.)
CENTRAL PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 15S, 16C
Centroid Location:
Origin Time 01:14:29.0 0.9
Lat 9.08S 0.08 Lon 74.16W 0.09
Dep 142.5 2.9 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

T	Val= 9.54	Plg=13	Azm= 68
N	-0.27	16	162
P	-9.26	69	302

Best Double Couple:Mo=9.4*10**16
NP1:Strike=137 Dip=35 Slip=-119
NP2: 352 60 -71

02 23 53 21.82 35.039N 139.393E 120km
5.4mb (148 obs.)
NEAR S. COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 23S, 37C
Centroid Location:
Origin Time 23:53:24.5 0.5
Lat 35.10N 0.04 Lon 139.44E 0.07
Dep 127.2 2.7 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

T	Val= 9.57	Plg=43	Azm=176
N	-1.69	17	69
P	-7.87	42	323

Best Double Couple:Mo=8.7*10**16
NP1:Strike=342 Dip=17 Slip= 3
NP2: 249 89 107

03 12 01 56.70 12.820N 144.914E 76km
5.2mb (73 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 35S, 49C
Centroid Location:
Origin Time 12:01:58.0 0.4
Lat 12.73N 0.05 Lon 145.07E 0.03
Dep 51.8 3.2 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

T	Val= 7.59	Plg=66	Azm=324
N	0.64	14	201
P	-8.23	19	106

Best Double Couple:Mo=7.9*10**16
NP1:Strike=174 Dip=29 Slip= 60
NP2: 27 65 105

03 12 15 34.83 3.788S 135.161E 33km
5.1mb (32 obs.) 4.8Msz (7 obs.)
IRIAN JAYA REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 18S, 31C
Centroid Location:
Origin Time 12:15:40.2 0.7
Lat 3.58S 0.06 Lon 134.77E 0.10
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm

T	Val= 2.41	Plg=16	Azm=255
N	-0.66	59	135
P	-1.75	25	353

Best Double Couple:Mo=2.1*10**17
NP1:Strike= 32 Dip=60 Slip= -7
NP2: 125 84 -150

03 19 50 50.62 29.211S 177.589W 35km
6.5mb (99 obs.) 7.2Msz (60 obs.)
KERMADEC ISLANDS, NEW ZEALAND
RADIATED ENERGY
No. of sta: 18 Focal mech. M
Energy 3.5±0.7*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 34 No. of sta: 20
Principal Axes:
Scale 10**19 Nm

T	Val= 6.41	Plg=63	Azm=267
N	-0.16	10	17
P	-6.25	25	111

Best Double Couple:Mo=6.3*10**19
NP1:Strike=222 Dip=22 Slip= 117
NP2: 13 71 80
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 65S,185C M.W.: 65S,166C
Centroid Location:
Origin Time 19:51: 2.8 0.1
Lat 29.13S 0.01 Lon 177.22W 0.00
Dep 44.7 0.3 Half-duration 9.3
Principal Axes:
Scale 10**19 Nm

T	Val= 5.91	Plg=73	Azm=275
N	0.63	3	13
P	-6.54	17	103

Best Double Couple:Mo=6.2*10**19
NP1:Strike=197 Dip=28 Slip= 95
NP2: 11 62 87

04 04 22 17.88 28.045S 178.124W 33km
5.2mb (40 obs.) 5.0Msz (7 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 24S, 38C
Centroid Location:
Origin Time 04:22:24.8 0.8
Lat 27.49S 0.06 Lon 178.66W 0.07
Dep 26.4 6.5 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm

T	Val= 2.60	Plg=10	Azm=110
N	-0.21	68	225
P	-2.40	19	17

Best Double Couple:Mo=2.5*10**17
NP1:Strike=155 Dip=69 Slip=-173
NP2: 63 83 -21

04 12 27 56.18 29.319S 177.430W 33km
5.1mb (38 obs.)
KERMADEC ISLANDS, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 22S, 31C
Centroid Location:
Origin Time 12:28: 1.3 1.0
Lat 29.18S 0.08 Lon 177.13W 0.09
Dep 31.8 5.2 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

T	Val= 6.83	Plg=64	Azm=282
N	1.75	0	13
P	-8.58	26	103

Best Double Couple:Mo=7.7*10**16
NP1:Strike=194 Dip=19 Slip= 91
NP2: 13 71 90

04 22 22 49.72 29.337S 177.485W 46km
5.1mb (26 obs.)
KERMADEC ISLANDS, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 23S, 30C
Centroid Location:
Origin Time 22:22:52.0 0.8
Lat 29.16S 0.08 Lon 176.94W 0.07
Dep 40.7 4.9 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

T	Val= 7.63	Plg=60	Azm=315
N	-1.74	16	195
P	-5.90	25	97

Best Double Couple:Mo=6.8*10**16
NP1:Strike=156 Dip=25 Slip= 48
NP2: 21 72 107

05 13 28 14.82 27.869S 178.418W 33km
4.6mb (10 obs.) 5.0Msz (5 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 39S, 68C
Centroid Location:
Origin Time 13:28:15.9 0.2
Lat 27.87S 0.03 Lon 178.11W 0.03
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm

T	Val= 1.40	Plg= 5	Azm=130
N	0.19	80	250
P	-1.60	8	39

Best Double Couple:Mo=1.5*10**17
NP1:Strike=175 Dip=81 Slip=-177
NP2: 84 88 -9

06 08 07 05.03 1.440S 24.053W 10km
4.4mb (13 obs.) 4.8Msz (1 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 26S, 45C
Centroid Location:
Origin Time 08:07: 7.8 0.4
Lat 1.37S 0.05 Lon 23.93W 0.06
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

T	Val= 7.02	Plg= 0	Azm=217
N	-1.76	90	180
P	-5.26	0	127

Best Double Couple:Mo=6.1*10**16
NP1:Strike=262 Dip=90 Slip=-180
NP2: 352 90 0

06 09 38 55.59 22.608S 170.593E 33km
4.7mb (24 obs.) 5.0Msz (11 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 51S,100C
Centroid Location:
Origin Time 09:39: 0.8 0.2
Lat 22.57S 0.03 Lon 170.29E 0.02
Dep 15.0 FIX Half-duration 1.5

Principal Axes:
Scale 10**17 Nm
T Val= 2.85 Plg=66 Azm=358
N 0.04 10 112
P -2.89 22 206
Best Double Couple:Mo=2.9*10**17
NP1:Strike=314 Dip=25 Slip= 114
NP2: 108 67 79

06 15 58 51.59 17.775N 145.397E 530km
5.1mb (102 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 36S, 51C
Centroid Location:
Origin Time 15:58:53.2 0.3
Lat 17.70N 0.03 Lon 145.55E 0.04
Dep 522.8 2.3 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 9.29 Plg= 2 Azm=355
N 2.08 19 264
P -11.38 71 90
Best Double Couple:Mo=1.0*10**17
NP1:Strike=103 Dip=46 Slip= -64
NP2: 247 50 -115

07 10 40 03.51 53.449S 9.114E 10km
5.5mb (32 obs.) 5.3Msz (34 obs.)
SOUTHWEST OF AFRICA
MOMENT TENSOR SOLUTION
Dep 6 No. of sta: 9
Principal Axes:
Scale 10**17 Nm
T Val= 3.65 Plg=22 Azm=357
N -0.07 24 98
P -3.58 56 230
Best Double Couple:Mo=3.6*10**17
NP1:Strike= 51 Dip=32 Slip=-141
NP2: 287 71 -64
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 43S, 76C
Centroid Location:
Origin Time 10:40: 9.1 0.2
Lat 53.68S 0.02 Lon 9.45E 0.05
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.90 Plg=20 Azm=357
N -0.34 19 94
P -3.56 62 224
Best Double Couple:Mo=3.7*10**17
NP1:Strike= 57 Dip=30 Slip=-131
NP2: 282 68 -69

07 13 23 59.71 29.415S 177.468W 49km
5.5mb (46 obs.) 5.0Msz (41 obs.)
KERMADEC ISLANDS, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 45S, 77C
Centroid Location:
Origin Time 13:24: 4.4 0.3
Lat 29.16S 0.03 Lon 177.18W 0.03
Dep 44.2 2.1 Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.59 Plg=71 Azm=301
N 0.34 7 191
P -1.94 18 99
Best Double Couple:Mo=1.8*10**17
NP1:Strike=178 Dip=28 Slip= 75
NP2: 15 63 98

07 21 15 19.70 33.972N 137.127E 333km
5.8mb (198 obs.)
NEAR S. COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=160 Dip=77 Slip= 90
NP2: 340 13 90
Principal Axes:
T Plg=58 Azm= 70
P 32 250
Comment: The focal mechanism is poorly controlled and corresponds to down-dip pressure. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 16 Focal mech. F
Energy 2.3±0.7*10**12 Nm

MOMENT TENSOR SOLUTION
Dep 343 No. of sta: 40
Principal Axes:
Scale 10**17 Nm
T Val= 8.41 Plg=58 Azm= 66
N -0.12 2 159
P -8.29 32 251
Best Double Couple:Mo=8.3*10**17
NP1:Strike=349 Dip=13 Slip= 100
NP2: 159 77 88
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 50S,111C
Centroid Location:
Origin Time 21:15:23.9 0.1
Lat 33.89N 0.01 Lon 137.11E 0.02
Dep 348.4 0.8 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 9.36 Plg=60 Azm= 79
N 0.46 4 342
P -9.82 30 250
Best Double Couple:Mo=9.6*10**17
NP1:Strike=328 Dip=15 Slip= 75
NP2: 163 75 94

08 05 42 53.09 39.678N 143.352E 11km
5.9mb (162 obs.) 5.5Msz (42 obs.)
OFF EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 22 Dip=84 Slip= 90
NP2: 202 6 90
Principal Axes:
T Plg=51 Azm=292
P 39 112
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 15 Focal mech. F
Energy 4.2±0.9*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 6 No. of sta: 48
Principal Axes:
Scale 10**18 Nm
T Val= 1.26 Plg=53 Azm=293
N -0.06 5 196
P -1.20 37 102
Best Double Couple:Mo=1.2*10**18
NP1:Strike=165 Dip= 9 Slip= 58
NP2: 17 82 95
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 49S,110C
Centroid Location:
Origin Time 05:42:58.1 0.2
Lat 39.64N 0.02 Lon 143.60E 0.03
Dep 15.0 BDY Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 9.99 Plg=56 Azm=304
N 0.23 7 203
P -10.22 33 109
Best Double Couple:Mo=1.0*10**18
NP1:Strike=171 Dip=13 Slip= 58
NP2: 25 79 97

08 11 39 06.11 4.308N 62.400E 10km
5.4mb (82 obs.) 5.4Msz (25 obs.)
CARLSBERG RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 58S,103C
Centroid Location:
Origin Time 11:39:11.0 0.2
Lat 4.30N 0.02 Lon 62.39E 0.02
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 2.77 Plg= 0 Azm=227
N 0.37 0 137
P -3.14 90 180
Best Double Couple:Mo=3.0*10**17
NP1:Strike=317 Dip=45 Slip= -90
NP2: 137 45 -90

08 17 15 25.76 53.578N 163.740W 21km
6.0mb (155 obs.) 5.8Msz (63 obs.)
UNIMAK ISLAND REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 59 Dip=73 Slip= 90
NP2: 239 17 90
Principal Axes:
T Plg=62 Azm=329
P 28 149
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 23 Focal mech. F
Energy 7.1±1.0*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 23 No. of sta: 62
Principal Axes:
Scale 10**18 Nm
T Val= 1.14 Plg=47 Azm=359
N 0.00 31 229
P -1.14 27 121
Best Double Couple:Mo=1.1*10**18
NP1:Strike=164 Dip=34 Slip= 21
NP2: 56 79 122
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 62S,142C M.W.: 39S, 60C
Centroid Location:
Origin Time 17:15:30.0 0.1
Lat 53.31N 0.01 Lon 163.46W 0.02
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 9.86 Plg=68 Azm=336
N 0.96 2 241
P -10.82 22 150
Best Double Couple:Mo=1.0*10**18
NP1:Strike=235 Dip=23 Slip= 84
NP2: 62 67 92

08 23 49 43.77 24.265S 176.316W 20km
5.8mb (84 obs.) 5.3Msz (47 obs.)
SOUTH OF FIJI ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 10 Dip=76 Slip= 90
NP2: 190 14 90
Principal Axes:
T Plg=59 Azm=280
P 31 100
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 11 Focal mech. C
Energy 3.2±0.9*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 28 No. of sta: 36
Principal Axes:
Scale 10**17 Nm
T Val= 2.81 Plg=62 Azm=312
N -0.05 27 153
P -2.76 9 59
Best Double Couple:Mo=2.8*10**17
NP1:Strike=121 Dip=43 Slip= 49
NP2: 351 59 122
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 53S,108C
Centroid Location:
Origin Time 23:49:50.8 0.1
Lat 24.44S 0.02 Lon 175.73W 0.02
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 4.37 Plg=74 Azm=299
N 0.76 2 200
P -5.13 16 109
Best Double Couple:Mo=4.8*10**17
NP1:Strike=196 Dip=29 Slip= 85
NP2: 21 61 93

09 15 56 28.28 35.976N 100.073E 33km
5.2mb (92 obs.) 4.7Msz (4 obs.)
QINGHAI, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 29S, 33C
Centroid Location:
Origin Time 15:56:28.8 0.9
Lat 35.55N 0.08 Lon 100.35E 0.08
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

T Val= 5.44 Plg=75 Azm=230
N -0.38 7 112
P -5.07 13 20
Best Double Couple:Mo=5.3*10**16
NP1:Strike=100 Dip=33 Slip= 77
NP2: 296 58 98

09 20 31 31.47 21.984N 99.159E 10km
5.7mb (119 obs.) 5.9Msz (45 obs.)
MYANMAR-CHINA BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=155 Dip=85 Slip=-180
NP2: 245 90 -355
Principal Axes:
T Plg= 4 Azm=110
P 4 20
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 25 No. of sta: 20
Principal Axes:
Scale 10**17 Nm
T Val= 7.06 Plg= 1 Azm=100
N 0.60 83 201
P -7.66 7 10
Best Double Couple:Mo=7.4*10**17
NP1:Strike=145 Dip=84 Slip=-176
NP2: 55 86 -6
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 50S,102C
Centroid Location:
Origin Time 20:31:38.3 0.1
Lat 21.92N 0.02 Lon 99.28E 0.02
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 7.99 Plg=19 Azm=286
N -0.92 66 148
P -7.07 15 21
Best Double Couple:Mo=7.5*10**17
NP1:Strike= 64 Dip=66 Slip= 3
NP2: 333 88 156

10 02 42 32.59 12.379N 141.689E 56km
5.3mb (58 obs.) 4.9Msz (44 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 47S, 85C
Centroid Location:
Origin Time 02:42:31.2 0.2
Lat 12.32N 0.03 Lon 141.56E 0.03
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.01 Plg=11 Azm=328
N -0.23 12 61
P -1.78 73 196
Best Double Couple:Mo=1.9*10**17
NP1:Strike= 43 Dip=35 Slip=-111
NP2: 248 57 -76

11 21 46 39.78 21.966N 99.196E 13km
6.1mb (140 obs.) 7.1Msz (68 obs.)
MYANMAR-CHINA BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=238 Dip=88 Slip= 7
NP2: 148 83 178
Principal Axes:
T Plg= 6 Azm=103
P 4 13
Comment: The focal mechanism is 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: 13 Focal mech. F
Energy 1.1±0.3*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 13 No. of sta: 26
Principal Axes:
Scale 10**19 Nm
T Val= 1.51 Plg= 3 Azm=104
N 0.14 80 214
P -1.66 10 14
Best Double Couple:Mo=1.6*10**19
NP1:Strike=149 Dip=81 Slip=-176
NP2: 59 86 -9
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 57S,144C M.W.: 56S,139C
Centroid Location:
Origin Time 21:46:50.7 0.1
Lat 21.89N 0.01 Lon 99.22E 0.01
Dep 15.0 FIX Half-duration 6.6
Principal Axes:
Scale 10**19 Nm
T Val= 1.96 Plg= 4 Azm=285
N -0.10 85 136
P -1.86 3 15
Best Double Couple:Mo=1.9*10**19
NP1:Strike= 60 Dip=85 Slip= 1
NP2: 330 89 175

12 09 38 16.74 2.483N 116.977E 33km
5.3mb (64 obs.) 4.9Msz (12 obs.)
BORNEO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 41S, 73C
Centroid Location:
Origin Time 09:38:20.4 0.4
Lat 2.54N 0.04 Lon 117.01E 0.04
Dep 15.0 BDY Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.74 Plg=71 Azm=242
N 0.30 6 134
P -2.03 18 42
Best Double Couple:Mo=1.9*10**17
NP1:Strike=122 Dip=28 Slip= 77
NP2: 317 63 97

12 15 46 56.85 23.260S 170.865E 11km
6.0mb (84 obs.) 6.4Msz (65 obs.)
LOYALTY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=277 Dip=78 Slip= -90
NP2: 97 12 -90
Principal Axes:
T Plg=33 Azm= 7
P 57 187
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 16 Focal mech. F
Energy 6.6±1.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 9 No. of sta: 41
Principal Axes:
Scale 10**18 Nm
T Val= 6.44 Plg=28 Azm= 23
N -0.03 10 288
P -6.41 60 181
Best Double Couple:Mo=6.4*10**18
NP1:Strike=137 Dip=19 Slip= -59
NP2: 285 74 -100
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 60S,160C M.W.: 58S,128C
Centroid Location:
Origin Time 15:47: 5.8 0.0
Lat 23.26S 0.01 Lon 170.83E 0.01
Dep 15.0 FIX Half-duration 3.8
Principal Axes:
Scale 10**18 Nm
T Val= 5.35 Plg=18 Azm=359
N -0.03 1 268
P -5.32 72 176
Best Double Couple:Mo=5.3*10**18
NP1:Strike= 90 Dip=27 Slip= -88
NP2: 268 63 -91

12 18 38 49.83 12.324N 125.058E 34km
5.9mb (126 obs.) 5.6Msz (61 obs.)
SAMAR, PHILIPPINE ISLANDS
RADIATED ENERGY
No. of sta: 10 Focal mech. M
Energy 1.3±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 29 No. of sta: 19
Principal Axes:
Scale 10**17 Nm
T Val= 6.93 Plg=69 Azm=303
N 0.11 13 174
P -7.04 15 80
Best Double Couple:Mo=7.0*10**17
NP1:Strike=151 Dip=32 Slip= 64
NP2: 1 62 105
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 45S, 77C
Centroid Location:
Origin Time 18:38:53.8 0.3
Lat 12.41N 0.03 Lon 125.79E 0.03
Dep 36.3 2.2 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 7.91 Plg=66 Azm=307
N -1.70 13 187
P -6.21 20 92
Best Double Couple:Mo=7.1*10**17
NP1:Strike=160 Dip=27 Slip= 60
NP2: 12 67 104

13 00 00 22.53 23.080S 170.641E 14km
5.7mb (64 obs.) 5.7Msz (60 obs.)
LOYALTY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=273 Dip=73 Slip= -90
NP2: 93 17 -90
Principal Axes:
T Plg=28 Azm= 3
P 62 183
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 19 No. of sta: 38
Principal Axes:
Scale 10**17 Nm
T Val= 6.23 Plg=21 Azm= 37
N 0.00 17 300
P -6.23 63 174
Best Double Couple:Mo=6.2*10**17
NP1:Strike=154 Dip=28 Slip= -53
NP2: 293 68 -108
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 57S,127C
Centroid Location:
Origin Time 00:00:29.8 0.1
Lat 23.20S 0.01 Lon 170.80E 0.02
Dep 15.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 8.67 Plg=12 Azm= 13
N 0.46 2 282
P -9.14 77 185
Best Double Couple:Mo=8.9*10**17
NP1:Strike=105 Dip=33 Slip= -87
NP2: 281 57 -92

13 18 02 56.06 3.295S 134.621E 23km
5.1mb (39 obs.) 4.5Msz (8 obs.)
IRIAN JAYA REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 10S, 12C
Centroid Location:
Origin Time 18:02:58.1 1.2
Lat 3.26S 0.13 Lon 134.56E 0.12
Dep 15.0 BDY Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.22 Plg=17 Azm= 86
N 0.07 28 186
P -7.30 56 328
Best Double Couple:Mo=7.3*10**16
NP1:Strike=140 Dip=37 Slip=-141
NP2: 18 68 -59

14 06 41 12.62 23.164S 170.791E 33km
4.9mb (25 obs.) 5.0Msz (9 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 34S, 64C
Centroid Location:
Origin Time 06:41:13.3 0.5
Lat 23.32S 0.04 Lon 170.92E 0.04
Dep 28.7 3.4 Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.10 Plg= 9 Azm=186
N 0.08 81 12

P -2.17 1 276
Best Double Couple:Mo=2.1*10**17
NP1:Strike=322 Dip=83 Slip= 6
NP2: 231 84 173

15 01 35 14.60 19.900S 177.547W 358km
5.5mb (89 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 50S, 95C
Centroid Location:
Origin Time 01:35:21.2 0.2
Lat 19.90S 0.02 Lon 177.49W 0.02
Dep 384.6 1.0 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.42 Plg=22 Azm= 87
N 0.74 53 211
P -5.15 28 345
Best Double Couple:Mo=4.8*10**17
NP1:Strike=128 Dip=54 Slip=-176
NP2: 35 87 -37

15 02 42 56.83 2.672N 99.068E 165km
5.2mb (101 obs.)
NORTHERN SUMATERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 41S, 62C
Centroid Location:
Origin Time 02:42:59.7 0.4
Lat 2.80N 0.04 Lon 98.92E 0.05
Dep 161.2 1.6 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.65 Plg=32 Azm= 49
N -0.18 6 315
P -1.47 57 216
Best Double Couple:Mo=1.6*10**17
NP1:Strike=161 Dip=14 Slip= -63
NP2: 314 78 -96

15 13 52 21.63 23.319S 170.845E 22km
5.6mb (67 obs.) 5.2Msz (35 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 48S, 96C
Centroid Location:
Origin Time 13:52:25.5 0.3
Lat 23.45S 0.03 Lon 170.70E 0.03
Dep 16.3 1.3 Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.19 Plg=19 Azm= 13
N 0.14 23 112
P -2.33 59 249
Best Double Couple:Mo=2.3*10**17
NP1:Strike= 71 Dip=33 Slip=-136
NP2: 302 67 -65

17 23 18 15.75 40.192N 21.532E 22km
5.3mb (115 obs.) 4.8Msz (22 obs.)
GREECE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 22S, 30C
Centroid Location:
Origin Time 23:18:18.9 0.4
Lat 39.83N 0.06 Lon 21.46E 0.13
Dep 15.0 BDY Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.92 Plg=12 Azm=349
N -0.17 8 80
P -6.76 76 205
Best Double Couple:Mo=6.8*10**16
NP1:Strike= 68 Dip=34 Slip=-105
NP2: 266 57 -80

18 14 35 42.79 3.854S 135.266E 13km
5.5mb (58 obs.) 5.6Msz (42 obs.)
IRIAN JAYA REGION, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=195 Dip=83 Slip= 26
NP2: 102 64 172
Principal Axes:
T Plg=23 Azm= 61
P 13 326
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 24
Principal Axes:
Scale 10**17 Nm
T Val= 5.90 Plg=11 Azm= 67
N 0.13 70 192
P -6.03 16 334
Best Double Couple:Mo=6.0*10**17
NP1:Strike=111 Dip=71 Slip=-177
NP2: 20 87 -19
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 55S,121C
Centroid Location:
Origin Time 14:35:47.6 0.2
Lat 3.80S 0.02 Lon 135.18E 0.02
Dep 15.0 BDY Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 6.89 Plg=24 Azm= 69
N -0.20 66 246
P -6.69 1 339
Best Double Couple:Mo=6.8*10**17
NP1:Strike=112 Dip=73 Slip= 164
NP2: 207 74 18

18 22 00 49.87 46.103N 151.030E 33km
5.5mb (148 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 41S, 69C
Centroid Location:
Origin Time 22:00:56.3 0.3
Lat 45.95N 0.04 Lon 151.19E 0.03
Dep 83.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.84 Plg=38 Azm=175
N -0.15 49 21
P -1.69 13 276
Best Double Couple:Mo=1.8*10**17
NP1:Strike=323 Dip=54 Slip= 21
NP2: 220 74 142

19 00 24 14.68 22.719S 169.783E 12km
5.7mb (67 obs.) 5.5Msz (52 obs.)
LOYALTY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=115 Dip=68 Slip=-155
NP2: 15 67 -24
Principal Axes:
T Plg= 1 Azm=245
P 33 335
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 sta: 13 Focal mech. F
Energy 1.6±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 4 No. of sta: 37
Principal Axes:
Scale 10**18 Nm
T Val= 0.89 Plg=13 Azm=192
N 0.23 16 98
P -1.12 69 318
Best Double Couple:Mo=1.0*10**18
NP1:Strike=302 Dip=35 Slip= -61
NP2: 88 60 -109
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 57S,117C
Centroid Location:
Origin Time 00:24:23.4 0.1
Lat 22.60S 0.02 Lon 169.66E 0.01
Dep 15.0 BDY Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 8.52 Plg= 3 Azm= 44
N -0.23 21 136
P -8.30 69 307
Best Double Couple:Mo=8.4*10**17
NP1:Strike=114 Dip=46 Slip=-119
NP2: 333 51 -63

19 13 28 26.20 4.625S 153.237E 31km
5.3mb (49 obs.) 5.3Msz (39 obs.)
NEW IRELAND REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 60S,132C
Centroid Location:
Origin Time 13:28:36.4 0.1
Lat 4.72S 0.01 Lon 153.13E 0.01
Dep 53.4 1.2 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.67 Plg=63 Azm=322
N -0.43 15 84
P -6.23 21 180
Best Double Couple:Mo=6.4*10**17
NP1:Strike=296 Dip=27 Slip= 125
NP2: 78 68 74

19 20 56 25.25 6.035S 154.510E 32km
5.2mb (50 obs.) 5.4Msz (46 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 56S, 96C
Centroid Location:
Origin Time 20:56:30.6 0.2
Lat 6.21S 0.02 Lon 154.31E 0.02
Dep 44.0 1.5 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.78 Plg=74 Azm=342
N -0.16 15 140
P -2.62 6 231
Best Double Couple:Mo=2.7*10**17
NP1:Strike=338 Dip=41 Slip= 113
NP2: 128 53 71

20 07 15 36.16 13.376N 89.896W 76km
4.9mb (68 obs.)
EL SALVADOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 20S, 34C
Centroid Location:
Origin Time 07:15:39.0 0.4
Lat 13.32N FIX;Lon 89.90W FIX
Dep 75.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 8.95 Plg=36 Azm= 91
N 2.30 46 310
P -11.24 21 197
Best Double Couple:Mo=1.0*10**17
NP1:Strike=240 Dip=48 Slip= 13
NP2: 141 80 137

20 10 58 25.20 58.910S 25.798W 33km
5.4mb (16 obs.) 4.7Msz (24 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 29S, 47C
Centroid Location:
Origin Time 10:58:33.5 0.3
Lat 59.13S 0.03 Lon 25.58W 0.08
Dep 54.0 3.2 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.54 Plg=39 Azm= 92
N -0.22 43 313
P -1.32 22 201
Best Double Couple:Mo=1.4*10**17
NP1:Strike=243 Dip=45 Slip= 14
NP2: 143 80 134

21 13 27 26.40 1.330S 137.911E 29km
5.2mb (49 obs.) 4.9Msz (16 obs.)
NEAR NORTH COAST OF IRIAN JAYA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 37S, 67C
Centroid Location:
Origin Time 13:27:30.5 0.3
Lat 1.40S 0.03 Lon 137.95E 0.04
Dep 16.7 2.1 Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.12 Plg=59 Azm=164
N 0.30 7 265
P -2.43 30 359
Best Double Couple:Mo=2.3*10**17
NP1:Strike=108 Dip=16 Slip= 114

NP2: 263 75 83

21 22 44 04.53 36.427N 103.123E 13km
5.7mb (136 obs.) 5.4Msz (39 obs.)
GANSU, CHINA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 80 Dip=49 Slip= 55
NP2: 307 52 123
Principal Axes:
T Plg=64 Azm=281
P 2 14
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 3.9±1.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 21
Principal Axes:
Scale 10**17 Nm
T Val= 1.69 Plg=85 Azm=197
N 0.01 1 301
P -1.70 4 32
Best Double Couple:Mo=1.7*10**17
NP1:Strike=123 Dip=41 Slip= 92
NP2: 301 49 88
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 41S, 72C
Centroid Location:
Origin Time 22:44: 9.8 0.2
Lat 36.26N 0.03 Lon 103.03E 0.03
Dep 15.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.58 Plg=86 Azm=189
N 0.19 0 284
P -2.77 4 14
Best Double Couple:Mo=2.7*10**17
NP1:Strike=104 Dip=41 Slip= 91
NP2: 283 49 90

24 05 53 20.97 13.504N 89.659W 84km
4.9mb (70 obs.)
EL SALVADOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 35S, 51C
Centroid Location:
Origin Time 05:53:21.3 0.3
Lat 13.33N 0.03 Lon 90.02W 0.03
Dep 58.9 3.2 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.53 Plg= 9 Azm= 20
N 1.68 1 289
P -8.21 81 193
Best Double Couple:Mo=7.4*10**16
NP1:Strike=111 Dip=36 Slip= -88
NP2: 289 54 -91

24 10 19 48.48 29.740N 130.622E 39km
5.0mb (85 obs.) 5.4Msz (8 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 28S, 50C
Centroid Location:
Origin Time 10:19:51.9 0.3
Lat 29.81N 0.03 Lon 130.71E 0.04
Dep 38.3 2.9 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.91 Plg=64 Azm=325
N 0.00 8 217
P -1.91 24 124
Best Double Couple:Mo=1.9*10**17
NP1:Strike=196 Dip=22 Slip= 67
NP2: 41 70 99

24 19 13 21.47 55.596N 35.061W 10km
5.4mb (134 obs.) 5.2Msz (46 obs.)
NORTH ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 34S, 43C
Centroid Location:
Origin Time 19:13:23.4 0.4
Lat 55.70N 0.05 Lon 35.03W 0.05
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 0.93 Plg= 0 Azm=109
N 0.12 0 19
P -1.05 90 180
Best Double Couple:Mo=1.0*10**17
NP1:Strike=199 Dip=45 Slip= -90
NP2: 19 45 -90

25 15 13 26.85 10.702N 41.212W 10km
5.5mb (109 obs.) 5.5Msz (36 obs.)
NORTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 34S, 68C
Centroid Location:
Origin Time 15:13:32.4 0.2
Lat 10.69N 0.03 Lon 41.02W 0.03
Dep 15.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.42 Plg= 8 Azm= 49
N -0.03 77 175
P -3.38 11 318
Best Double Couple:Mo=3.4*10**17
NP1:Strike= 94 Dip=77 Slip=-178
NP2: 3 88 -13

25 15 32 49.46 2.247S 124.962E 31km
5.4mb (60 obs.) 4.8Msz (8 obs.)
CERAM SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 28S, 42C
Centroid Location:
Origin Time 15:32:53.1 0.4
Lat 1.99S 0.06 Lon 125.48E 0.08
Dep 33.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.56 Plg=10 Azm=144
N -0.53 70 25
P -1.03 17 237
Best Double Couple:Mo=1.3*10**17
NP1:Strike=280 Dip=70 Slip= -5
NP2: 11 85 -160

25 22 39 24.47 44.148N 148.425E 40km
5.5mb (132 obs.) 4.8Msz (33 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 35S, 63C
Centroid Location:
Origin Time 22:39:29.3 0.3
Lat 44.11N 0.03 Lon 148.54E 0.04
Dep 37.8 2.3 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 10.86 Plg=75 Azm=253
N 3.90 10 25
P -14.75 11 117
Best Double Couple:Mo=1.3*10**17
NP1:Strike=220 Dip=35 Slip= 108
NP2: 18 57 78

26 09 09 50.54 16.462S 174.742W 235km
5.2mb (74 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 49S, 96C
Centroid Location:
Origin Time 09:09:57.5 0.2
Lat 16.34S 0.02 Lon 174.52W 0.02
Dep 243.0 0.9 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.63 Plg=23 Azm=104
N 0.05 14 7
P -3.68 62 249
Best Double Couple:Mo=3.7*10**17
NP1:Strike=220 Dip=25 Slip= -55
NP2: 2 70 -105

26 23 42 02.78 2.534N 127.681E 65km
6.0mb (110 obs.)
NORTHERN MOLUCCA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=180 Dip=84 Slip= 90
NP2: 360 6 90
Principal Axes:
T Plg=51 Azm= 90
P 39 270
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 2.5±1.0*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 58 No. of sta: 24
Principal Axes:
Scale 10**18 Nm
T Val= 3.86 Plg=42 Azm= 81
N 0.13 21 191
P -3.99 41 300
Best Double Couple:Mo=3.9*10**18
NP1:Strike= 99 Dip=21 Slip= 178
NP2: 191 89 69
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 58S,145C M.W.: 41S, 79C
Centroid Location:
Origin Time 23:42: 9.0 0.1
Lat 2.78N 0.01 Lon 127.47E 0.01
Dep 52.0 1.3 Half-duration 3.5
Principal Axes:
Scale 10**18 Nm
T Val= 3.18 Plg=53 Azm= 99
N 0.94 1 8
P -4.12 37 277
Best Double Couple:Mo=3.7*10**18
NP1:Strike= 3 Dip= 8 Slip= 85
NP2: 188 82 91

27 05 51 18.94 12.590S 79.228E 16km
6.2mb (121 obs.) 5.8Msz (72 obs.)
SOUTH INDIAN OCEAN
RADIATED ENERGY
No. of sta: 17 Focal mech. M
Energy 2.6±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 8 No. of sta: 31
Principal Axes:
Scale 10**18 Nm
T Val= 1.06 Plg=70 Azm=330
N -0.01 3 231
P -1.06 19 140
Best Double Couple:Mo=1.1*10**18
NP1:Strike=225 Dip=26 Slip= 83
NP2: 53 64 93
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 58S,134C M.W.: 43S, 61C
Centroid Location:
Origin Time 05:51:23.3 0.1
Lat 12.27S 0.01 Lon 79.08E 0.01
Dep 18.0 BDY Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 11.43 Plg=60 Azm=280
N -1.35 22 55
P -10.08 19 153
Best Double Couple:Mo=1.1*10**18
NP1:Strike=275 Dip=33 Slip= 135
NP2: 45 68 66

27 12 21 32.43 8.683S 111.206E 72km
5.1mb (57 obs.)
JAWA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 44S, 71C
Centroid Location:
Origin Time 12:21:39.7 0.2
Lat 8.99S 0.02 Lon 111.61E 0.03
Dep 55.3 2.0 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.51 Plg=67 Azm= 53
N 0.18 20 264
P -1.69 11 170
Best Double Couple:Mo=1.6*10**17
NP1:Strike=236 Dip=38 Slip= 56
NP2: 96 59 114

27 15 16 29.28 8.845N 93.678E 28km
5.2mb (73 obs.) 4.6Msz (13 obs.)
NICOBAR ISLANDS, INDIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN

L.P.B.: 19S, 28C
Centroid Location:
Origin Time 15:16:32.8 0.6
Lat 9.18N 0.06 Lon 93.97E 0.08
Dep 26.7 6.0 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.54 Plg= 4 Azm=145
N 0.90 54 241
P -8.43 36 52
Best Double Couple:Mo=8.0*10**16
NP1:Strike=195 Dip=62 Slip=-156
NP2: 93 69 -30

28 07 28 24.89 14.735N 122.095E 21km
5.0mb (51 obs.) 4.6Msz (15 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 10S, 16C
Centroid Location:
Origin Time 07:28:29.9 0.7
Lat 15.11N 0.08 Lon 122.21E 0.14
Dep 28.4 9.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.40 Plg=14 Azm=185
N 0.36 53 294
P -6.75 34 85
Best Double Couple:Mo=6.6*10**16
NP1:Strike=230 Dip=56 Slip=-164
NP2: 131 77 -35

28 14 29 11.03 21.182S 175.394W 92km
6.3mb (95 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 15 Dip=81 Slip= 90
NP2: 195 9 90
Principal Axes:
T Plg=54 Azm=285
P 36 105
Comment: The focal mechanism is poorly controlled and corresponds to down-dip tension. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 12 Focal mech. F
Energy 2.0±0.5*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 99 No. of sta: 47
Principal Axes:
Scale 10**18 Nm
T Val= 4.96 Plg=33 Azm=321
N -0.32 47 187
P -4.63 24 68
Best Double Couple:Mo=4.8*10**18
NP1:Strike=108 Dip=47 Slip= 7
NP2: 13 85 137
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 61S,163C M.W.: 50S,103C
Centroid Location:
Origin Time 14:29:14.7 0.1
Lat 21.18S 0.01 Lon 174.90W 0.01
Dep 125.3 2.7 Half-duration 4.1
Principal Axes:
Scale 10**18 Nm
T Val= 4.58 Plg=44 Azm=298
N -0.64 18 190
P -3.95 40 84
Best Double Couple:Mo=4.3*10**18
NP1:Strike=106 Dip=18 Slip= 6
NP2: 10 88 108

28 20 33 16.83 30.010S 111.993W 10km
5.5mb (37 obs.) 5.3Msz (35 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 45S, 82C
Centroid Location:
Origin Time 20:33:22.1 0.2
Lat 30.21S 0.02 Lon 112.09W 0.02
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.31 Plg= 0 Azm=119
N 0.04 90 180
P -2.34 0 29
Best Double Couple:Mo=2.3*10**17
NP1:Strike=164 Dip=90 Slip=-180
NP2: 254 90 0

29 08 01 26.30 4.278N 126.656E 54km
5.5mb (84 obs.)
TALAUD ISLANDS, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 65S,129C
Centroid Location:
Origin Time 08:01:29.1 0.1
Lat 4.22N 0.02 Lon 126.85E 0.02
Dep 43.3 1.3 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 4.19 Plg=80 Azm=321
N 0.07 5 203
P -4.27 8 112
Best Double Couple:Mo=4.2*10**17
NP1:Strike=196 Dip=37 Slip= 82
NP2: 26 54 96

29 16 18 44.82 30.345N 138.381E 436km
5.6mb (167 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 48S, 79C
Centroid Location:
Origin Time 16:18:48.1 0.2
Lat 30.35N 0.02 Lon 138.32E 0.03
Dep 445.2 1.6 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.37 Plg=30 Azm= 39
N 0.23 32 150
P -2.60 43 276
Best Double Couple:Mo=2.5*10**17
NP1:Strike= 76 Dip=33 Slip=-167
NP2: 335 83 -58

29 18 23 59.98 35.765N 140.400E 35km
5.4mb (138 obs.) 4.8Msz (10 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 43S, 74C
Centroid Location:
Origin Time 18:24: 3.6 0.2
Lat 35.75N 0.03 Lon 140.46E 0.04
Dep 39.6 2.0 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 10.52 Plg=74 Azm=274
N 0.07 14 58
P -10.59 9 150
Best Double Couple:Mo=1.1*10**17
NP1:Strike=256 Dip=38 Slip= 112
NP2: 49 56 74

30 05 11 23.63 23.340S 70.294W 46km
6.6mb (108 obs.) 7.3Msz (42 obs.)
NEAR COAST OF NORTHERN CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=175 Dip=71 Slip= 90
NP2: 355 19 90
Principal Axes:
T Plg=64 Azm= 85
P 26 265
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 5.5±1.8*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 9 No. of sta: 28
Principal Axes:
Scale 10**21 Nm
T Val= 1.05 Plg=52 Azm= 43
N -0.01 12 148
P -1.04 36 247
Best Double Couple:Mo=1.0*10**21
NP1:Strike= 23 Dip=15 Slip= 146
NP2: 147 82 78
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
M.W.: 77S,225C
Centroid Location:
Origin Time 05:11:56.9 0.1
Lat 24.17S 0.01 Lon 70.74W 0.01
Dep 28.7 0.4 Half-duration 16.0
Principal Axes:
Scale 10**20 Nm
T Val= 11.91 Plg=67 Azm= 90
N 0.46 1 357
P -12.38 23 267
Best Double Couple:Mo=1.2*10**21
NP1:Strike=354 Dip=22 Slip= 87
NP2: 177 68 91

30 21 05 47.72 23.347S 70.609W 14km
5.6mb (100 obs.) 5.7Msz (58 obs.)
NEAR COAST OF NORTHERN CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=165 Dip=82 Slip= 90
NP2: 345 8 90
Principal Axes:
T Plg=53 Azm= 75
P 37 255
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 17 Focal mech. M
Energy 3.5±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 22 No. of sta: 36
Principal Axes:
Scale 10**18 Nm
T Val= 1.60 Plg=45 Azm= 44
N 0.03 33 176
P -1.64 26 284
Best Double Couple:Mo=1.6*10**18
NP1:Strike= 62 Dip=36 Slip= 161
NP2: 168 79 56
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 57S,106C
Centroid Location:
Origin Time 21:05:56.1 0.2
Lat 23.00S 0.03 Lon 70.74W 0.03
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**18 Nm
T Val= 2.00 Plg=51 Azm= 60
N 0.09 11 164
P -2.09 37 262
Best Double Couple:Mo=2.0*10**18
NP1:Strike= 41 Dip=13 Slip= 148
NP2: 163 83 79

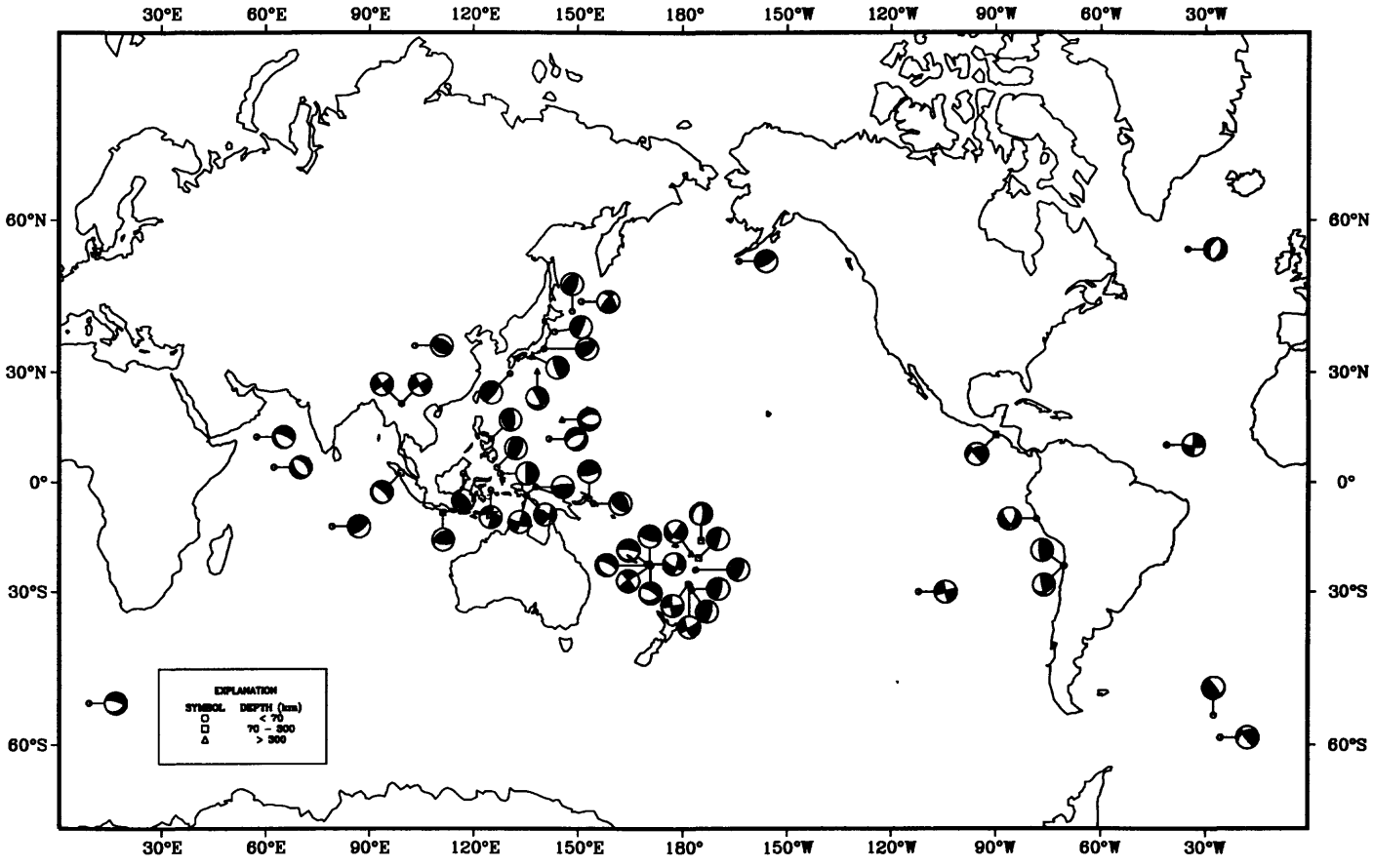
31 07 03 54.78 15.467N 46.623W 10km
4.9mb (69 obs.) 4.8Msz (37 obs.)
NORTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 21S, 28C
Centroid Location:
Origin Time 07:04: 2.2 0.7
Lat 15.47N 0.08 Lon 46.77W 0.08
Dep 15.0 BDY Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 8.48 Plg= 8 Azm= 93
N 0.40 16 1
P -8.88 72 209
Best Double Couple:Mo=8.7*10**16
NP1:Strike=201 Dip=39 Slip= -65
NP2: 349 55 -109

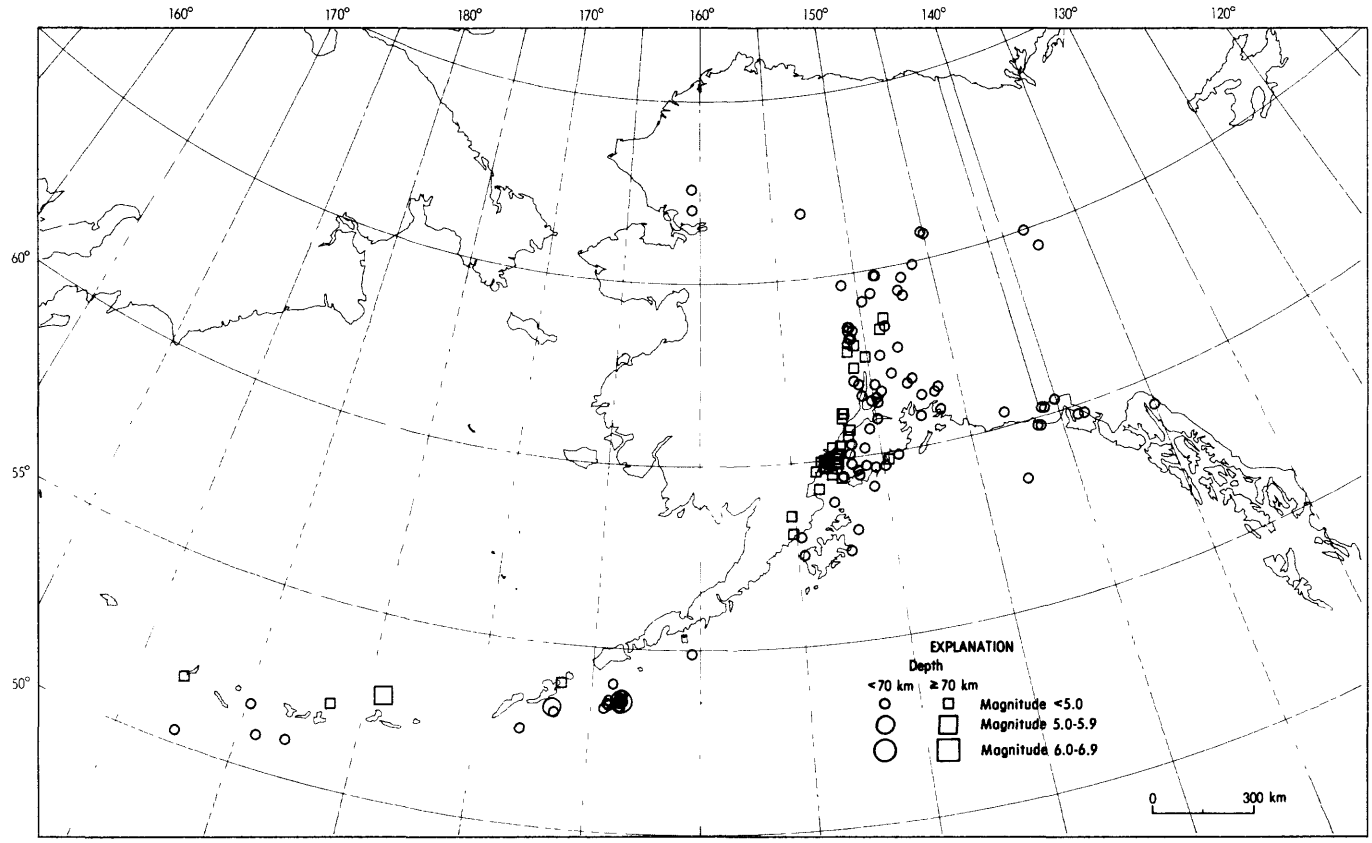
31 08 48 30.75 10.422S 78.264W 59km
5.7mb (121 obs.)
NEAR COAST OF PERU
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 12 Dip=55 Slip= -36
NP2: 125 61 -139
Principal Axes:
T Plg= 4 Azm=247
P 48 341
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 55 No. of sta: 26
Principal Axes:
Scale 10**17 Nm
T Val= 4.29 Plg= 3 Azm=261
N -0.97 38 169

```
  P       -3.32       52       356    |                                    |
Best Double Couple:Mo=3.8*10**17       |                                    |
 NP1:Strike= 25 Dip=53 Slip= -40       |                                    |
 NP2:       141     59       -136      |                                    |
CENTROID, MOMENT TENSOR    (HRV)       |                                    |
Data Used: GSN                         |                                    |
L.P.B.: 63S,100C                       |                                    |
Centroid Location:                     |                                    |
Origin Time        08:48:36.3 0.2      |                                    |
Lat 10.52S 0.02 Lon  78.58W 0.02       |                                    |
Dep  80.7 1.4 Half-duration  1.6       |                                    |
Principal Axes:                        |                                    |
  Scale 10**17 Nm                      |                                    |
  T  Val=  3.07  Plg= 3  Azm=250       |                                    |
  N       -0.05       29       159     |                                    |
  P       -3.01       61       345     |                                    |
Best Double Couple:Mo=3.0*10**17       |                                    |
 NP1:Strike=  7 Dip=49 Slip= -51       |                                    |
 NP2:       135     54       -126      |                                    |
```

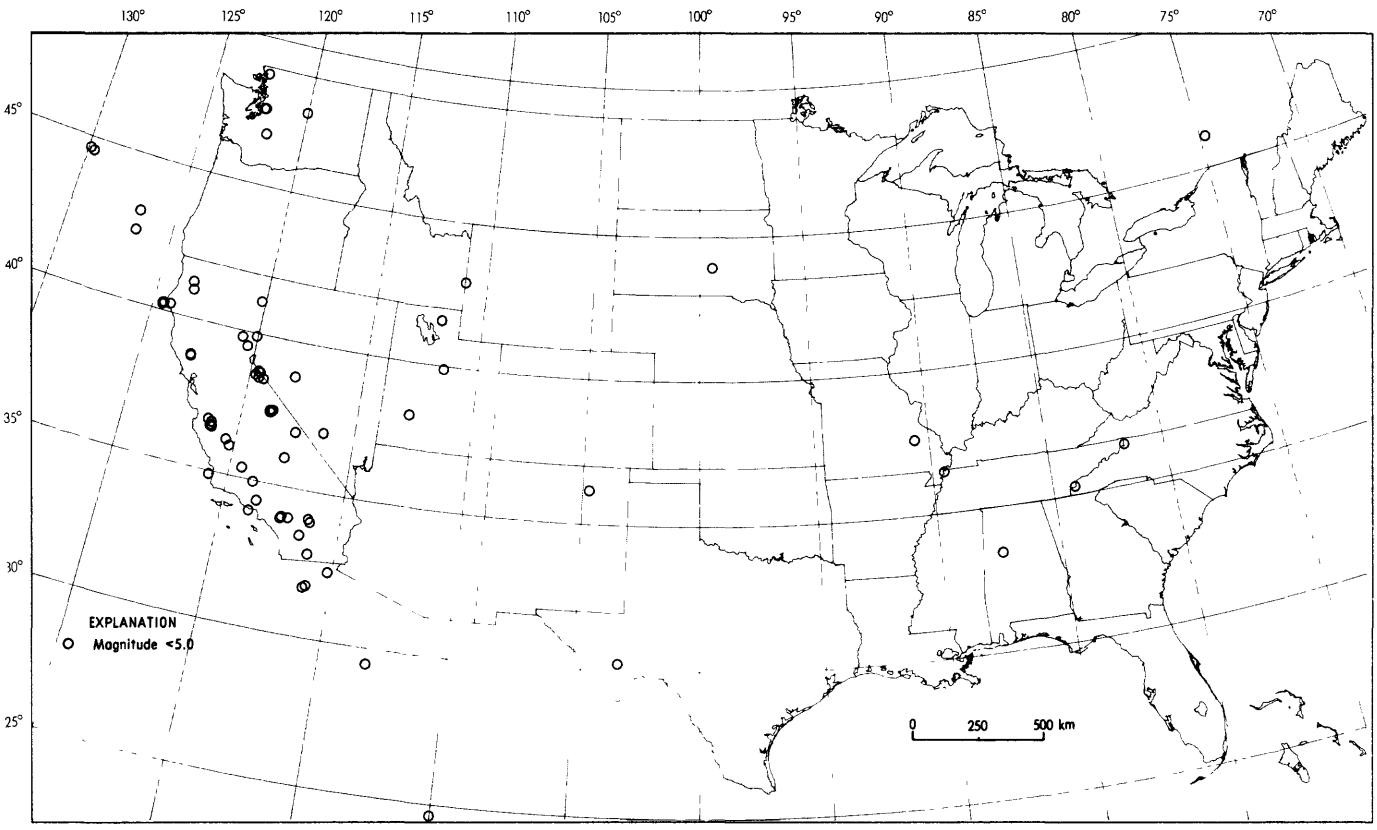
Compiled by Francis W. Baldwin, Pamela J. Benfield, Pingsheng Chang, George L. Choy, Willis S. Jacobs, Stuart K. Koyanagi, Christina K. LaVonne, John H. Minsch, Waverly J. Person, Bruce W. Presgrave, William H. Schmieder, Stuart A. Sipkin, James N. Taggart and Madeleine D. Zirbes.

Earthquake Focal Mechanisms for July 1995

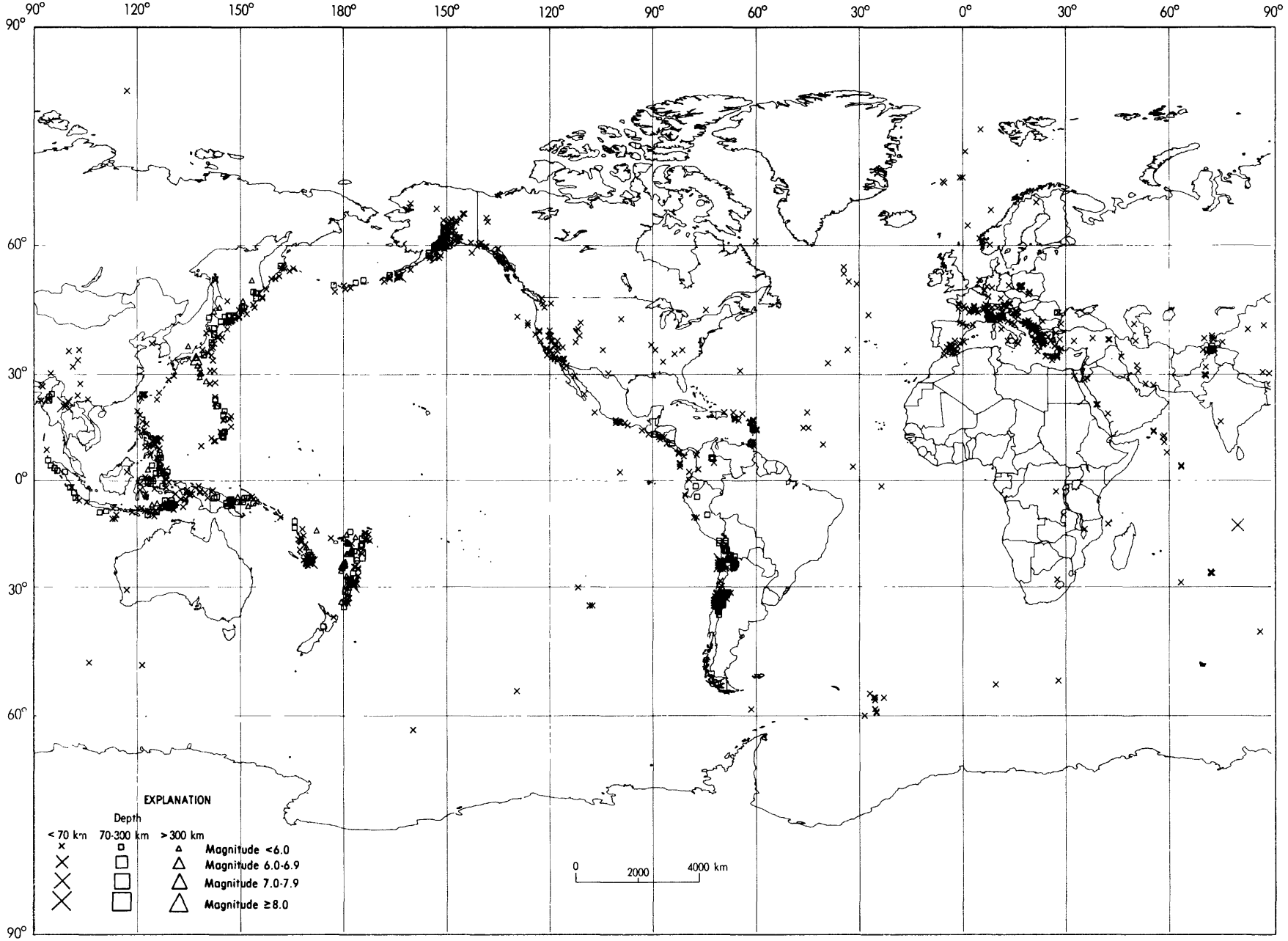




Earthquake epicenters in Alaska and adjacent regions for July, 1995



Earthquake epicenters in the conterminous United States and adjacent regions for July, 1995



Earthquakes located in July, 1995

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). An "a" in this column indicates additional source parameters are published for this event in a separate section following the list of hypocenters.

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, USNSN and other global digital seismograph networks for events with MB ≥ 5.8. Records that are flat to displacement between approximately 0.01 and 5.0 Hz are obtained using methods described by Harvey and Choy (1982). The notation that a depth is obtained from broadband seismograms indicates that a depth was obtained by inversion of differential travel times that are clearly identifiable at several stations using methods described by Choy and Engdahl (1987). Depths of selected events may also be constrained by modelling broadband P and transversely polarized S waves using methods described by Choy and Dewey (1988).

Choy, G. L. and Dewey, J. W., 1988, Rupture process of an extended earthquake sequence: Teleseismic analysis of the Chilean earthquake of March 3, 1985: Journal of Geophysical Research, v. 93, p. 1103-1118.

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 ≥ 5.8 by using first motions from P, pP and PKP waves. Focal mechanisms are further constrained by using brodband displacement records to obtain polarities of surface-reflected body waves (e.g., pP and sP), Hilbert-transformed body waves of certain secondary arrivals (e.g., PP) and transversely polarized S waves. For complex earthquakes, the fault plane solution corresponds to the first subevent unless otherwise stated. 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

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

Mw 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. Mo, computed from low frequency seismic data, is a measure of the area ruptured by an earthquake. Beginning with January, 1993, a moment magnitude is computed routinely from the USGS moment tensor and Harvard centroid moment tensor solutions.

Me These energy magnitudes are computed from the radiated energy using the Choy and Boatwright (1995) formula (eq. 6):

$$Me = (2/3) \log Es - 2.9$$

where Es is the radiated seismic energy in Newton-meters. Me, computed from high frequency seismic data, is a measure of seismic potential for damage. Beginning from July 1995, an energy magnitude is computed routinely from the USGS radiated energy.

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

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

where:

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

T is the period in seconds.

D is the distance in geocentric degrees (station to epicenter) and $20° \leq D \leq 160°$.

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.

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

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

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

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

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

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

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

ML These local magnitudes are computed according to the formula:

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

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

CONTRIBUTED MAGNITUDES

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

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

REFERENCES

Choy, G. L., and Boatwright, J. L., 1995, Global patterns of radiated seismic energy and apparent stress: Journal of Geophysical Research, v. 100, p. 18205-18228.

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

Kanamori, H., 1977, The energy release in great earthquakes: Journal of Geophysical Research, v. 82, p. 2981-2987.

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

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

USGS RADIATED ENERGY

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

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

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

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

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

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

1. NUMBER OF STATIONS: Number of GDSN stations with distances between approximately 30 and 95 degrees found to have suitable P waveforms. Only 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 Guillemant (1984) and Romanowicz and Monfret (1986). Parameters solved for are centroid time, seismic moment, depth and moment tensor. Origin time and epicentral coordinates are kept fixed as given in the USGS Quick Epicenter Determinations (QED) or PDE. For shallow earthquakes the precision on depth is in general no greater than ± 10 km.

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

Romanowicz, B. and Guillemant, 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 s_1 and (P) is $-s_2$, then the scalar seismic moment is defined as Mo = $1/2(s_1 + s_2)$. 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 f_s, d, l, 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(CDΔ), where C is the maximum peak-to-peak amplitude in mm, D is the duration in seconds from the time of the S-wave onset to the last time that the peak-to-peak amplitude exceeds C/3, and Δ is the epicentral distance in km. Seismic moments quoted in "Preliminary Determination of Epicenters" are converted to Newton-meters (1 Newton-meter = 10**7 dyne-cm).

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

2. Beginning with November, 1988, seismic moments for selected events have been contributed by the Laboratoire de Geophysique, Papeete, French Polynesia (PPT). These moments are computed from 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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PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

AUGUST 1995

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	01	33	16.0	4.034	N	126.510	E	60	G	4.6		0.8	34	TALAUD ISLANDS, INDONESIA
a	01	02	10	40.8	46.391	N	153.843	E	41	D	5.7	4.7	0.9	382	KURIL ISLANDS. Mw 5.3 (HRV). Felt (II) on Simushir.
	01	02	25	32.2*	12.636	S	166.583	E	150	G	3.9		1.0	30	SANTA CRUZ ISLANDS
	01	02	44	46.5	23.315	S	70.275	W	31	D	4.8		1.3	63	NEAR COAST OF NORTHERN CHILE
	01	03	21	08.0	24.783	S	70.740	W	33	N	4.6		1.1	44	NEAR COAST OF NORTHERN CHILE
	01	03	51	52.8%	35.487	N	106.672	E	10	G			1.5	6	GANSU, CHINA. ML 3.9 (BJI).
	01	04	07	23.6?	33.35	S	72.55	W	33	N			0.6	10	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	01	04	29	19.8	24.089	S	66.674	W	193		4.8		1.0	147	SALTA PROVINCE, ARGENTINA
	01	04	31	20.1*	25.505	N	142.879	E	33	N	4.2		1.2	13	VOLCANO ISLANDS REGION
a	01	05	10	57.4	24.914	S	70.916	W	30	D	5.2	4.5	1.1	102	NEAR COAST OF NORTHERN CHILE. Mw 5.2 (HRV). Felt at Antofagasta.
	01	05	43	01.8*	40.116	N	21.572	E	10	G			1.3	7	GREECE. MD 3.1 (ATH).
	01	06	00	37.4	24.210	S	70.826	W	33	N	4.7	3.8	1.2	69	NEAR COAST OF NORTHERN CHILE
	01	06	17	22.6*	23.355	S	70.010	W	33	N	4.2		1.2	19	NEAR COAST OF NORTHERN CHILE
	01	06	23	18.4*	8.769	S	115.776	E	33	N	4.4		1.1	15	BALI REGION, INDONESIA
	01	06	42	53.7*	23.976	S	70.588	W	33	N	4.1		1.4	11	NEAR COAST OF NORTHERN CHILE
	01	07	24	16.8?	4.13	N	126.79	E	33	N	4.1		1.0	7	TALAUD ISLANDS, INDONESIA
	01	08	16	51.3	11.478	N	126.057	E	33	N	4.7		0.9	62	PHILIPPINE ISLANDS REGION
	01	08	44	12.4*	28.460	N	128.625	E	33	N	4.0		1.0	16	RYUKYU ISLANDS
	01	09	01	22.3	28.835	N	128.657	E	33	N	4.8		1.2	83	RYUKYU ISLANDS
	01	09	26	41.0	23.313	S	70.654	W	33	N	4.4		1.2	27	NEAR COAST OF NORTHERN CHILE
	01	09	50	23.8*	23.261	S	70.609	W	33	N	4.2		1.5	11	NEAR COAST OF NORTHERN CHILE
	01	10	21	09.9*	24.363	S	70.941	W	33	N	4.3		1.3	26	NEAR COAST OF NORTHERN CHILE
	01	11	09	46.7*	24.692	S	70.898	W	33	N	4.1		1.3	15	NEAR COAST OF NORTHERN CHILE
	01	11	30	38.5?	45.12	N	148.32	E	33	N	4.1		1.2	8	KURIL ISLANDS
	01	12	23	55.8	19.137	N	145.858	E	121	*	4.7		1.1	69	MARIANA ISLANDS
	01	12	37	19.9	23.925	S	70.519	W	23	D	4.8		1.1	68	NEAR COAST OF NORTHERN CHILE
	01	13	29	42.9	31.175	S	67.166	W	25	D	5.0		0.9	75	SAN JUAN PROVINCE, ARGENTINA
	01	14	45	12.7*	54.751	N	163.878	W	86	*	3.9		1.4	22	UNIMAK ISLAND REGION
	01	14	48	03.3	18.042	N	66.952	W	10	G			0.6	11	PUERTO RICO REGION. MD 3.5 (MPR). Felt (V) at Cabo Rojo, Sabana Grande and San German; (IV) at Arecibo and Mayaguez; (III) at Aguadilla and Yauco.
	01	15	07	10.7&	34.403	N	118.770	W	10					12	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.8 (GS).
	01	15	28	21.4	39.440	N	144.731	E	35	D	4.7	4.3	0.9	72	OFF EAST COAST OF HONSHU, JAPAN
a	01	15	44	30.6	24.124	S	70.771	W	30	D	5.2	4.3	1.1	104	NEAR COAST OF NORTHERN CHILE. Mw 5.3 (HRV).
	01	16	16	14.6*	36.428	N	4.581	W	10	G			1.2	8	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
	01	16	56	20.8	3.417	N	128.276	E	68	*	4.8		0.8	43	NORTH OF HALMAHERA, INDONESIA
	01	17	20	32.1&	59.236	N	150.865	W	20					32	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	01	17	26	46.3?	6.82	N	125.61	E	33	N	4.3		1.4	6	MINDANAO, PHILIPPINE ISLANDS
	01	19	18	21.1*	1.022	S	145.282	E	33	N	3.6		1.0	8	ADMIRALTY ISLANDS REGION, P.N.G.
	01	19	37	43.8?	5.95	S	129.76	E	33	N	3.2		0.8	7	BANDA SEA
	01	20	35	00.7%	33.137	S	70.254	W	5	G			0.3	6	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	01	21	51	43.9	23.380	S	70.627	W	33	N	4.6		0.9	22	NEAR COAST OF NORTHERN CHILE
	01	22	03	39.0	21.712	S	179.538	W	650	G	4.7		1.0	35	FIJI ISLANDS REGION
	01	22	09	27.6*	23.361	S	70.589	W	33	N	4.4		1.3	16	NEAR COAST OF NORTHERN CHILE
	01	22	31	19.0?	38.89	S	176.25	E	181	?	4.4		1.1	15	NORTH ISLAND, NEW ZEALAND
	01	23	38	50.7*	40.015	N	21.628	E	10	G			0.7	5	GREECE. MD 2.9 (ATH).
a	02	00	14	09.4	23.230	S	70.677	W	33	N	5.4	5.5	1.3	198	NEAR COAST OF NORTHERN CHILE. Mw 6.0 (HRV). Ms 5.3 (BRK).
	02	01	17	26.6*	31.730	S	69.626	W	100	G			0.7	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
	02	01	46	31.6	26.741	N	103.053	E	33	N	4.4		0.8	13	YUNNAN, CHINA. ML 3.7 (BJI).
	02	02	44	29.2*	38.709	N	7.215	W	10	G			1.7	13	PORTUGAL. mbLg 3.1 (MDD). Felt (IV) in the Arraiolos area.
	02	03	05	16.5	46.011	N	6.030	E	5	G			1.0	40	SWITZERLAND. ML 2.8 (LDG). MD 2.4 (STR).
	02	03	42	29.3&	62.310	N	151.873	W	100					10	CENTRAL ALASKA. <AEIC>.
	02	03	55	58.4*	38.137	N	20.362	E	10	G			1.3	7	GREECE. MD 3.2 (ATH).
	02	05	22	21.5	23.114	S	70.534	W	33	N	4.8		1.2	37	NEAR COAST OF NORTHERN CHILE
	02	05	23	33.8?	47.76	N	2.06	W	5	G			0.9	6	FRANCE. ML 2.7 (LDG).

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	02	05	58	16.6*	23.073	S	70.559	W	33	N	4.1		1.1	11	NEAR COAST OF NORTHERN CHILE
	02	06	03	11.0*	23.596	S	70.694	W	33	N	4.3		1.5	8	NEAR COAST OF NORTHERN CHILE
	02	06	27	31.9*	24.365	S	71.061	W	30	D	4.4		1.3	21	OFF COAST OF NORTHERN CHILE
	02	07	54	15.2*	14.993	N	61.408	W	180	?			0.8	17	WINDWARD ISLANDS
	02	07	55	43.3	38.354	N	22.045	E	10	G			1.1	9	GREECE. MD 3.0 (ATH).
	02	08	18	10.6&	33.584	S	70.942	W	69	?			0.4	11	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	02	09	38	15.9*	23.685	S	70.797	W	33	N	4.3		1.1	19	NEAR COAST OF NORTHERN CHILE
	02	09	53	55.3&	59.407	N	153.617	W	112					19	SOUTHERN ALASKA. <AEIC>.
	02	10	34	54.7*	3.375	S	76.515	W	100	G	4.4		0.8	11	NORTHERN PERU
a	02	11	05	38.9	23.119	S	70.405	W	33	N	5.2	5.2	1.3	122	NEAR COAST OF NORTHERN CHILE. Mw 5.8 (HRV). Ms 4.9 (BRK).
	02	11	44	25.5&	61.009	N	150.106	W	42					22	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	02	11	59	43.9*	41.631	N	88.447	E	10	G	4.1		1.0	13	SOUTHERN XINJIANG, CHINA
	02	11	59	44.5	11.320	N	125.290	E	80	G	4.4		0.5	36	SAMAR, PHILIPPINE ISLANDS
	02	12	21	35.7&	43.941	N	5.933	E	10	G			0.4	6	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG).
	02	12	22	39.7*	10.948	S	166.382	E	33	N	4.5		1.0	18	SANTA CRUZ ISLANDS
	02	14	27	07.2	38.838	N	118.064	W	5	G			1.0	16	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (GS), 2.7 (REN).
	02	14	45	19.5*	23.796	S	70.091	W	33	N	4.4		1.4	17	NEAR COAST OF NORTHERN CHILE
	02	15	08	26.6*	6.112	S	147.405	E	107		4.2		1.1	11	EASTERN NEW GUINEA REG., P.N.G.
	02	15	37	46.0&	38.639	N	119.849	W	6					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.2 (GS), 3.0 (BRK).
	02	15	40	04.8*	43.811	N	147.042	E	50	G	3.8		1.0	16	KURIL ISLANDS
a	02	16	27	32.6	23.432	S	70.571	W	33	N	5.1	5.1	1.3	110	NEAR COAST OF NORTHERN CHILE. Mw 5.8 (HRV). Ms 4.8 (BRK).
	02	17	04	32.8?	21.44	S	170.19	E	120	G	4.2		1.1	13	LOYALTY ISLANDS REGION
	02	17	31	20.6&	34.714	N	116.143	W	0					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	02	18	08	25.2&	33.720	S	70.780	W	80	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	02	18	28	04.8&	61.370	N	146.881	W	10					59	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	02	18	32	09.4	30.058	N	114.137	W	10	G	4.7		1.2	70	GULF OF CALIFORNIA
	02	18	39	37.8	23.034	S	70.559	W	33	N	4.5		1.0	26	NEAR COAST OF NORTHERN CHILE
	02	18	56	34.7?	32.69	S	179.37	W	180	G	4.4		1.3	14	SOUTH OF KERMADEC ISLANDS
	02	19	24	17.4&	37.082	N	4.287	W	10	G			1.2	7	SPAIN. mbLg 2.3 (MDD).
	02	19	26	29.4	34.582	N	32.785	E	60	G	4.4		1.2	111	CYPRUS REGION. Felt (V) at Limassol and (III) at Nicosia.
	02	19	30	19.4	30.123	N	114.137	W	10	G	4.2		1.0	35	GULF OF CALIFORNIA
	02	20	05	34.0	41.641	N	7.389	W	10	G			0.9	8	PORTUGAL. mbLg 2.9 (MDD).
	02	20	08	35.0	42.332	N	23.583	E	10	G			1.5	12	BULGARIA
	02	20	20	13.9	22.966	S	70.576	W	33	N	5.1	4.5	1.2	124	NEAR COAST OF NORTHERN CHILE
	02	21	19	23.8&	63.550	N	151.020	W	13		3.5			77	CENTRAL ALASKA. <AEIC>. ML 3.7 (AEIC), 3.9 (PMR). Felt at Kantishna and Denali Park Headquarters.
	02	21	34	01.8&	63.535	N	151.023	W	10					56	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.6 (PMR). Felt at Denali Park Headquarters.
a	02	21	39	36.8	32.781	S	178.700	W	100	G	5.0	5.2	1.1	52	SOUTH OF KERMADEC ISLANDS. Mw 5.4 (HRV).
	02	22	48	19.9*	36.372	N	70.488	E	33	N	3.7		1.2	12	HINDU KUSH REGION, AFGHANISTAN
	02	23	37	46.9*	23.771	S	70.784	W	33	N	4.0		1.2	24	NEAR COAST OF NORTHERN CHILE
	02	23	44	25.4*	24.856	S	70.723	W	33	N	4.3		1.4	6	NEAR COAST OF NORTHERN CHILE
	02	23	45	18.7*	46.131	N	12.358	E	10	G			1.1	9	NORTHERN ITALY. ML 2.4 (VIE).
	03	00	47	22.1?	22.42	N	143.09	E	200	G	4.0		0.7	18	VOLCANO ISLANDS REGION
	03	01	05	28.0*	30.104	N	114.166	W	10	G	3.8		1.3	30	GULF OF CALIFORNIA
a	03	01	16	39.8	80.280	N	2.801	W	10	G	4.9	4.7	1.0	165	NORTH OF SVALBARD. Mw 5.3 (HRV).
a	03	01	57	19.9	23.062	S	70.588	W	17	G	5.4	6.0	1.2	281	NEAR COAST OF NORTHERN CHILE. Mw 6.3 (GS), 6.4 (HRV). Ms 5.7 (BRK). Mo=5.4*10**18 Nm (PPT). Two events about 2.6 seconds apart. Depth from broadband displacement seismograms, based on first event.
	03	02	02	05.6&	46.202	N	1.046	E	10	G			0.6	6	FRANCE
	03	02	31	00.2*	33.034	S	179.197	W	150	G	5.0		1.1	24	SOUTH OF KERMADEC ISLANDS
	03	02	55	44.0*	17.549	S	70.376	W	70	G	4.4		1.1	14	NEAR COAST OF PERU
	03	02	55	55.3*	17.815	N	68.222	W	17				0.5	11	MONA PASSAGE. MD 3.4 (MPR).
	03	03	02	51.7*	20.547	S	70.821	W	60	G	4.2		1.5	18	NEAR COAST OF NORTHERN CHILE
	03	03	05	44.4	29.968	N	81.538	E	27	D	4.5	4.7	1.3	51	NEPAL
	03	03	30	10.3*	23.889	S	70.667	W	33	N	4.0		1.4	11	NEAR COAST OF NORTHERN CHILE
	03	03	35	11.3&	47.683	N	0.273	W	10	G			0.4	5	FRANCE. ML 2.3 (LDG).
	03	03	52	42.3	23.862	S	70.845	W	33	N	4.4		1.1	17	NEAR COAST OF NORTHERN CHILE
	03	04	43	04.5	23.156	S	70.485	W	34	D	4.7		1.0	48	NEAR COAST OF NORTHERN CHILE
	03	05	41	54.4	43.233	N	126.535	W	10	G	3.6		0.6	98	OFF COAST OF OREGON
	03	07	22	18.3*	4.368	S	153.022	E	40	G	3.9		1.3	8	NEW IRELAND REGION, P.N.G.
a	03	08	18	53.9	28.281	S	69.239	W	104	G	5.9		1.0	357	CHILE-ARGENTINA BORDER REGION. Mw 5.8 (GS), 5.8 (HRV). Me 5.5 (GS). mb 5.8 (BRK). Depth from broadband displacement seismograms.
	03	10	01	04.3&	33.277	S	71.428	W	50	G			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	03	11	20	36.7&	59.930	N	139.023	W	0					30	SOUTHEASTERN ALASKA. <AEIC>. ML 3.4 (AEIC).
	03	11	35	21.4?	11.13	S	166.16	E	33	N	4.3		0.8	6	SANTA CRUZ ISLANDS
a	03	12	00	27.7	23.032	S	70.562	W	33	N	5.0	4.5	1.3	112	NEAR COAST OF NORTHERN CHILE. Mw 5.3 (HRV). Ms 4.2 (BRK).
	03	12	14	26.2	10.603	S	165.798	E	210	G	4.1		0.6	20	SANTA CRUZ ISLANDS
	03	12	39	45.2*	42.100	N	143.781	E	33	N	4.1		1.1	8	HOKKAIDO, JAPAN REGION
	03	13	07	04.3&	37.401	N	76.683	W	5	G				10	CHESAPEAKE BAY REGION. <BLA-P>. MD 2.6 (BLA). mbLg 2.9 (GS). Felt (IV) in the Camp Peary area, Virginia.
	03	13	25	30.8?	9.68	S	149.74	E	33	N	3.7		0.4	6	EASTERN NEW GUINEA REG., P.N.G.
	03	13	48	26.3	24.081	S	70.240	W	33	N	4.6		1.1	45	NEAR COAST OF NORTHERN CHILE
	03	13	49	06.4&	59.650	N	152.484	W	77		3.5			103	SOUTHERN ALASKA. <AEIC>.
	03	13	53	29.7&	37.507	N	118.841	W	15					10	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
	03	14	03	05.8	23.063	S	70.509	W	33	N	4.6		1.0	19	NEAR COAST OF NORTHERN CHILE
a	03	14	19	04.6	22.954	S	70.403	W	33	N	5.2	5.1	1.3	99	NEAR COAST OF NORTHERN CHILE. Mw 5.7 (HRV). Ms 5.1 (BRK).
	03	14	36	19.5*	1.900	N	85.161	W	10	G	4.5		1.1	30	OFF COAST OF ECUADOR
	03	14	53	13.0*	22.883	S	71.224	W	33	N	4.1		1.5	9	OFF COAST OF NORTHERN CHILE
	03	15	09	50.5&	63.476	N	151.193	W	10					33	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	03	15	11	19.3*	47.163	N	152.169	E	100	G	4.1		1.1	24	KURIL ISLANDS
	03	15	40	28.4*	52.739	N	158.859	E	100	G	4.0		1.0	19	NEAR EAST COAST OF KAMCHATKA
	03	15	42	19.2*	22.759	S	70.625	W	33	N	3.6		1.3	9	NEAR COAST OF NORTHERN CHILE

	03	16	36	26.1&	60.976	N	147.258	W	20			48	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	03	17	18	12.0?	8.98	S	126.73	E	100 G	3.4	0.9	7	TIMOR REGION, INDONESIA
	03	17	21	26.7	6.635	S	154.630	E	80 G	4.4	0.8	30	SOLOMON ISLANDS
	03	17	23	04.9	3.229	S	130.078	E	100 G	4.7	0.9	27	SERAM, INDONESIA
	03	17	30	37.9*	44.057	N	148.355	E	33 N	4.1	1.3	30	KURIL ISLANDS
	03	17	47	06.6	52.161	N	7.609	E	10 G		1.2	36	GERMANY. ML 3.6 (LDG), 3.4 (UCC), 3.0 (DBN).
	03	17	51	37.5*	15.447	S	70.201	W	240 G	4.4	1.0	14	SOUTHERN PERU
	03	17	59	05.9	32.476	S	71.677	W	48	4.4	1.1	35	NEAR COAST OF CENTRAL CHILE. MD 4.8 (SAN).
	03	18	50	55.5	6.638	S	106.675	E	140 G	4.3	0.7	26	JAWA, INDONESIA
	03	19	07	45.2	24.008	S	70.768	W	34 *	4.6	0.9	50	NEAR COAST OF NORTHERN CHILE
	03	19	50	37.5	23.780	S	70.547	W	45	4.9 4.4	1.1	104	NEAR COAST OF NORTHERN CHILE
	03	20	08	37.7	6.555	S	154.742	E	50 G	4.6 4.5	0.9	38	SOLOMON ISLANDS
	03	20	26	55.9*	35.265	N	135.202	E	378 *	3.8	0.5	17	WESTERN HONSHU, JAPAN
	03	20	40	20.5	47.242	N	152.443	E	105 *	4.7	0.9	108	KURIL ISLANDS
	03	20	41	27.9&	33.858	S	70.623	W	100 G		1.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
	03	20	58	49.6	47.629	N	152.814	E	124 *	4.5	1.1	104	KURIL ISLANDS
	03	21	59	02.5*	38.053	N	20.505	E	10 G		1.2	6	GREECE. ML 3.7 (ATH).
	03	22	50	59.9&	63.207	N	150.730	W	11			52	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
	03	23	07	12.1	23.323	S	70.684	W	33 N	4.5	1.2	35	NEAR COAST OF NORTHERN CHILE
	03	23	49	01.3	21.548	S	66.765	W	221	4.5	1.1	66	SOUTHERN BOLIVIA
	04	01	06	53.5?	5.85	S	150.40	E	33 N	4.1	1.1	10	NEW BRITAIN REGION, P.N.G.
	04	01	14	54.0*	25.179	N	36.425	E	10 G	4.3	0.7	19	WESTERN ARABIAN PENINSULA
	04	01	23	54.2	45.884	N	142.282	E	321	4.6	0.9	151	HOKKAIDO, JAPAN REGION
	04	01	55	50.8	11.573	N	142.523	E	67 *	4.3	1.0	18	SOUTH OF MARIANA ISLANDS
	04	03	30	28.2	40.196	N	21.568	E	10 G		1.1	6	GREECE. MD 3.1 (ATH).
	04	04	35	27.5?	44.12	N	146.94	E	33 N	4.2	0.8	8	KURIL ISLANDS
a	04	06	38	33.1*	32.674	S	178.448	W	33 N	5.2 5.0	1.2	58	SOUTH OF KERMADEC ISLANDS. Mw 5.3 (HRV). Ms 5.4 (BRK).
	04	09	20	52.1?	34.46	S	70.39	W	10 G		0.0	6	CHILE-ARGENTINA BORDER REGION
	04	09	33	25.9?	34.46	S	70.45	W	10 G		0.7	8	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
	04	09	38	14.9	11.009	S	161.361	E	40 G	4.1	1.0	24	SOLOMON ISLANDS
	04	10	31	22.8	17.233	S	174.345	W	140 D	4.5	0.9	72	TONGA ISLANDS
	04	10	43	34.5*	8.845	S	157.820	E	33 N	4.4	1.3	22	SOLOMON ISLANDS
	04	11	28	50.3	24.033	S	70.355	W	32 D	4.5	1.1	34	NEAR COAST OF NORTHERN CHILE
	04	12	47	58.8*	31.660	S	70.668	W	100 G		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	04	13	08	13.4*	44.811	N	146.876	E	100 G	4.3	1.2	23	KURIL ISLANDS
	04	13	24	18.9&	40.404	N	125.304	W	24			4	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
a	04	13	31	48.9	52.839	N	152.880	E	529 D	5.3	0.8	410	NORTHWEST OF KURIL ISLANDS. Mw 5.6 (HRV). mb 4.9 (BRK).
	04	13	34	29.2	44.699	N	115.664	W	5 G		0.6	11	WESTERN IDAHO. ML 3.2 (BUT).
	04	14	16	11.4&	44.390	N	7.425	E	10 G		0.2	6	NORTHERN ITALY. ML 2.0 (GEN).
	04	14	41	09.4	47.455	N	153.178	E	76 D	4.6	0.9	93	KURIL ISLANDS
	04	16	47	29.5&	63.435	N	151.065	W	8			11	CENTRAL ALASKA. <AEIC>. ML 2.2 (AEIC), 3.0 (PMR).
	04	17	09	16.4*	32.471	S	70.246	W	100 G		0.3	12	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	04	17	35	58.2?	34.06	S	71.48	W	42 ?		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	04	18	37	52.5	28.285	N	139.735	E	500 G	4.1	0.9	37	BONIN ISLANDS REGION
	04	19	50	54.4&	59.903	N	152.265	W	83			17	SOUTHERN ALASKA. <AEIC>.
	04	20	40	06.6*	46.206	N	16.431	E	10 G		1.1	8	NORTHWESTERN BALKAN REGION. Felt (IV) in the Ludbreg area, Croatia.
	04	23	01	41.3&	37.037	N	2.332	W	10 G		1.0	7	SPAIN. mbLg 2.7 (MDD).
	04	23	19	13.8?	51.22	N	15.81	E	10 G		0.7	5	POLAND. ML 2.3 (MOX).
	05	00	03	14.5*	6.767	S	147.352	E	70 G	4.3	1.2	16	EASTERN NEW GUINEA REG., P.N.G.
	05	00	32	46.6	23.229	S	70.624	W	38 *	4.6 4.5	1.0	51	NEAR COAST OF NORTHERN CHILE
	05	00	44	58.4	13.042	N	143.288	E	140 G	4.2	0.8	22	SOUTH OF MARIANA ISLANDS
	05	01	38	24.5	23.043	S	177.080	W	200 G	4.3	1.0	47	SOUTH OF FIJI ISLANDS
	05	01	47	25.6*	10.099	N	56.929	E	10 G	3.9	0.8	11	CARLSBERG RIDGE
	05	01	50	13.4	23.109	S	70.596	W	33 N	4.7 4.3	1.0	70	NEAR COAST OF NORTHERN CHILE
	05	02	07	37.6	38.209	N	21.998	E	10 G		0.8	8	GREECE. MD 3.0 (ATH).
	05	02	09	52.3&	38.250	N	0.767	W	10 G		0.6	5	SPAIN. mbLg 2.4 (MDD).
	05	02	37	45.6&	38.789	N	122.772	W	2			14	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.0 (GS).
	05	02	46	06.0&	38.796	N	122.785	W	1			16	NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.1 (GS), 3.0 (BRK).
	05	04	29	27.1	43.060	N	111.192	W	5 G		0.5	14	EASTERN IDAHO. ML 3.0 (GS).
	05	04	39	33.8*	30.205	N	139.594	E	42 D	4.5	1.3	22	SOUTH OF HONSHU, JAPAN
	05	05	58	29.0*	18.099	S	178.195	W	450 G	4.0	1.2	40	FIJI ISLANDS REGION
	05	06	17	47.8&	61.805	N	150.381	W	5			47	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	05	07	55	18.1?	17.92	S	172.86	W	33 N	4.8	0.5	11	TONGA ISLANDS REGION
	05	08	10	10.6	46.961	N	10.563	E	5 G		1.3	42	NORTHERN ITALY. ML 3.1 (LDG), 3.1 (GRF), 2.8 (VIE).
	05	08	12	16.7	46.922	N	10.567	E	5 G		1.1	39	NORTHERN ITALY. ML 3.0 (LDG), 3.0 (VIE), 2.9 (GRF).
	05	08	21	06.1	23.094	S	70.520	W	33 N	4.8	1.0	57	NEAR COAST OF NORTHERN CHILE
	05	09	12	08.6	23.094	S	70.482	W	70 *	4.4	0.9	44	NEAR COAST OF NORTHERN CHILE
	05	09	34	39.3*	23.815	S	70.991	W	33 N	4.2	0.8	10	NEAR COAST OF NORTHERN CHILE
	05	09	59	32.9	31.256	S	69.632	W	150 G		0.9	21	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
	05	11	14	20.3*	23.368	S	70.717	W	33 N	4.3	1.1	19	NEAR COAST OF NORTHERN CHILE
	05	11	31	29.5	39.738	N	143.279	E	33 N	4.9 4.6	0.9	120	OFF EAST COAST OF HONSHU, JAPAN
	05	11	58	37.6*	38.040	N	0.313	E	10 G		0.9	8	SPAIN. mbLg 2.7 (MDD).
	05	12	16	13.1*	43.753	N	147.228	E	33 N	4.1	0.7	12	KURIL ISLANDS
	05	13	20	42.5*	24.203	S	70.999	W	33 N	4.1	1.4	15	NEAR COAST OF NORTHERN CHILE
	05	13	35	16.5&	60.607	N	142.493	W	0			38	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	05	13	52	01.9*	22.607	S	10.703	W	10 G	4.5	1.1	22	SOUTHERN MID-ATLANTIC RIDGE
	05	13	52	14.1	26.568	N	126.913	E	100 G	4.6	1.0	70	RYUKYU ISLANDS
	05	15	50	28.2*	10.601	N	126.399	E	33 N	4.6 3.9	1.2	30	PHILIPPINE ISLANDS REGION
	05	15	52	42.6*	6.063	S	147.088	E	113	4.2	0.8	21	EASTERN NEW GUINEA REG., P.N.G.
	05	16	38	46.6	43.145	N	0.368	W	10 G		1.4	12	PYRENEES. ML 3.2 (LDG). mbLg 3.1 (MDD). Felt (III) in the Ossau Valley and (II) at Castet, France.
	05	16	46	56.1?	31.43	N	49.65	E	33 N	4.1	1.4	15	WESTERN IRAN
	05	16	50	26.4&	59.317	N	154.053	W	93			18	SOUTHERN ALASKA. <AEIC>.
	05	17	21	31.0*	18.862	S	179.383	W	600 G	4.4	1.3	55	FIJI ISLANDS REGION
	05	18	14	43.8	40.293	N	21.594	E	10 G	4.2	1.2	14	GREECE. MD 3.5 (ATH).
	05	18	33	41.6	44.654	N	28.192	W	10 G	4.6 4.1	1.2	90	NORTHERN MID-ATLANTIC RIDGE
a	05	19	42	49.2	16.255	S	177.893	E	33 N	5.5 5.2	1.1	307	FIJI ISLANDS. Mw 5.7 (HRV).
	05	20	24	39.3*	24.260	S	70.617	W	33 N	4.2	1.3	16	NEAR COAST OF NORTHERN CHILE
	05	21	11	16.2*	5.223	S	145.674	E	119	4.6	1.4	16	EASTERN NEW GUINEA REG., P.N.G.
	05	21	32	51.9&	60.971	N	151.663	W	85			73	KENAI PENINSULA, ALASKA. <AEIC>.
	05	21	40	44.4*	23.287	S	179.791	E	500 G	4.3	1.2	13	SOUTH OF FIJI ISLANDS

	05	21	50	14.6*	4.878	S	143.611	E	70	G	4.3	1.3	9	NEW GUINEA, PAPUA NEW GUINEA
	05	21	52	09.4*	36.933	S	178.064	E	100	G	4.4	0.4	10	OFF E. COAST OF N. ISLAND, N.Z.
a	05	22	42	03.2	22.563	S	10.778	W	10	G	5.4 5.4	1.0	261	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.6 (GS), 5.5 (HRV).
	05	22	43	36.5&	33.719	S	70.423	W	10	G		0.5	9	CHILE-ARGENTINA BORDER REGION
	05	23	00	26.0*	15.968	S	174.639	W	200	G	4.1	1.4	38	TONGA ISLANDS
	05	23	16	45.7?	12.70	S	118.66	E	33	N	4.2	1.2	11	SOUTH OF SUMBAWA, INDONESIA
	05	23	58	30.0&	60.932	N	151.480	W	63		3.8		99	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.6 (AEIC), 3.8 (PMR).
	06	00	13	21.3*	42.276	S	18.318	W	10	G	4.4	0.7	12	SOUTHERN MID-ATLANTIC RIDGE
	06	00	59	35.4	6.752	N	126.541	E	33	N	4.4 4.4	0.8	27	MINDANAO, PHILIPPINE ISLANDS
	06	01	17	43.5	35.913	N	141.655	E	33	N	4.2	1.0	27	NEAR EAST COAST OF HONSHU, JAPAN
	06	01	47	39.7*	44.155	N	149.522	E	33	N	3.9	1.1	8	KURIL ISLANDS
	06	03	04	19.3?	11.69	N	87.59	W	33	N	4.5	1.1	12	NEAR COAST OF NICARAGUA
	06	03	24	16.3	33.624	S	70.629	W	90	G		0.3	12	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	06	03	24	38.0	10.991	S	161.427	E	38	*	4.7 4.6	0.8	50	SOLOMON ISLANDS. Ms 4.6 (BRK).
	06	03	48	05.4	12.446	N	87.399	W	49	D	4.6	1.2	83	NEAR COAST OF NICARAGUA. MD 5.0 (SSS). Felt (II) at San Salvador, El Salvador.
	06	04	02	08.0	38.251	N	73.257	E	100	G	3.8	1.0	21	TAJIKISTAN-XINJIANG BORDER REG.
	06	04	49	25.3	31.519	S	68.769	W	100	G		1.0	19	SAN JUAN PROVINCE, ARGENTINA
	06	07	07	22.7&	60.930	N	151.697	W	80				65	KENAI PENINSULA, ALASKA. <AEIC>.
	06	07	49	48.3&	59.925	N	153.083	W	122				87	SOUTHERN ALASKA. <AEIC>.
	06	08	47	08.3	46.647	N	6.338	E	10	G		1.1	45	SWITZERLAND. ML 3.7 (LDG).
	06	08	48	01.1	52.226	N	174.701	W	65	D	4.6	0.9	108	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR). Felt (IV) on Atka.
	06	09	00	51.0	43.571	N	147.153	E	68	D	5.0	0.9	209	KURIL ISLANDS
	06	10	11	11.1	7.011	S	155.529	E	77		4.4	0.9	45	SOLOMON ISLANDS
	06	11	05	00.7*	45.488	N	26.400	E	130	G		0.6	7	ROMANIA
	06	11	22	23.2&	32.135	N	116.721	W	5				10	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.6 (ECX). ML 3.5 (GS), 3.4 (PAS). Felt.
	06	11	41	41.9*	55.763	S	28.119	W	150	G	4.1	0.9	14	SOUTH SANDWICH ISLANDS REGION
	06	11	44	37.0*	32.523	S	71.688	W	10	G		0.4	12	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
a	06	11	59	34.8	44.376	N	147.271	E	75	D	5.4	0.8	420	KURIL ISLANDS. Mw 5.5 (HRV).
	06	12	38	12.6*	43.232	N	10.495	E	10	G		1.3	19	CENTRAL ITALY. MD 3.0 (FIR). ML 2.9 (LDG).
	06	12	58	49.1	38.587	N	22.160	E	10	G	3.9	1.2	70	GREECE. ML 4.0 (ROM), 3.9 (TTG). MD 3.7 (ATH).
	06	13	12	27.0*	24.591	S	70.459	W	33	N	3.9	1.7	9	NEAR COAST OF NORTHERN CHILE
	06	14	44	31.0	42.102	N	20.630	E	10	G		1.2	15	NORTHWESTERN BALKAN REGION. MG 2.8 (SKO).
	06	14	47	14.4*	21.990	S	179.523	W	617	*	4.2	1.0	26	FIJI ISLANDS REGION
	06	16	21	27.1?	35.51	N	27.71	E	110	G		1.5	5	DODECANESE ISLANDS
	06	17	20	14.5	44.822	N	6.797	E	10	G		0.4	15	FRANCE. ML 2.6 (LDG), 2.5 (GEN).
	06	17	21	09.7&	63.467	N	151.119	W	12				67	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.4 (PMR).
	06	18	12	13.7	44.800	N	9.878	E	10	G		1.2	22	NORTHERN ITALY. ML 2.8 (LDG), 2.6 (GEN).
	06	18	42	55.1	37.513	N	118.899	W	5	G		0.7	9	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (GS).
	06	18	44	44.1&	37.537	N	118.895	W	5	G			17	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK), 3.1 (GS).
	06	19	09	29.7&	37.517	N	118.878	W	2				12	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.1 (GS).
	06	19	10	41.7&	37.497	N	118.879	W	2				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM). ML 2.8 (GS).
	06	19	16	17.1	23.445	S	179.192	W	363	?	4.2	0.9	41	SOUTH OF FIJI ISLANDS
	06	19	29	05.2	15.725	N	59.631	E	10	G	4.7 4.3	0.9	81	ARABIAN SEA
	06	19	39	12.6&	37.521	N	118.818	W	4				8	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.5 (GM). ML 2.9 (GS).
	06	19	59	12.6?	32.28	S	71.68	W	33	N		0.4	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	06	20	06	44.6?	36.86	S	176.73	E	300	G	3.9	0.2	8	OFF E. COAST OF N. ISLAND, N.Z.
	06	20	26	53.9*	42.087	N	20.657	E	10	G		1.3	7	NORTHWESTERN BALKAN REGION. MG 2.8 (SKO).
	06	21	12	15.7?	42.13	N	15.10	E	10	G	3.8	1.3	10	ADRIATIC SEA
	06	22	01	29.4?	34.27	S	70.52	W	15	G		0.3	6	CHILE-ARGENTINA BORDER REGION
	06	22	03	13.9*	11.615	N	125.374	E	33	N	4.6	1.2	34	SAMAR, PHILIPPINE ISLANDS
	06	22	36	56.8*	44.904	N	146.988	E	33	N	4.4	0.5	9	KURIL ISLANDS
	06	22	38	32.9	23.642	S	70.833	W	33	N	4.6	1.0	40	NEAR COAST OF NORTHERN CHILE
	06	23	08	09.1	51.629	N	16.303	E	10	G	2.9	0.6	26	POLAND. ML 3.4 (GRF), 3.2 (MOX).
	06	23	36	13.3*	10.051	N	126.519	E	33	N	4.3	0.8	18	PHILIPPINE ISLANDS REGION
	06	23	42	21.3?	7.53	S	127.50	E	100	G	4.0	1.6	8	BANDA SEA
	06	23	45	20.0?	16.48	S	177.03	W	417	?	3.9	1.2	25	FIJI ISLANDS REGION
	07	00	12	21.7	29.862	N	81.536	E	30		4.1	1.3	33	NEPAL
	07	00	40	03.9&	61.667	N	151.073	W	62				21	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.6 (PMR).
	07	01	02	32.7?	41.73	N	15.14	E	10	G	3.8	0.9	12	SOUTHERN ITALY
	07	01	10	38.0&	61.034	N	146.366	W	16				49	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
	07	02	10	50.5	6.313	N	126.190	E	81	*	4.8	1.2	78	MINDANAO, PHILIPPINE ISLANDS
	07	03	22	41.0&	33.891	S	71.281	W	46	?		0.2	11	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	07	03	27	16.6	21.931	N	99.218	E	33	N	4.1	1.1	21	MYANMAR-CHINA BORDER REGION. ML 4.5 (BJI).
	07	03	47	30.4&	61.083	N	150.978	W	58				30	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.6 (PMR).
a	07	05	27	52.5*	59.378	S	151.161	W	10	G	4.9 5.6	1.0	23	PACIFIC-ANTARCTIC RIDGE. Mw 5.7 (HRV). Mo=1.3*10**18 Nm (PPT).
	07	05	45	21.5*	12.686	N	87.746	W	80	*	4.0	1.1	21	NEAR COAST OF NICARAGUA. MD 4.0 (SSS). Felt (II) at San Salvador, El Salvador.
	07	07	09	34.1*	12.049	N	44.317	E	10	G	4.5 4.8	1.5	32	WESTERN ARABIAN PENINSULA
	07	08	05	45.7	6.747	S	129.333	E	146	*	4.8	1.0	62	BANDA SEA
	07	10	02	35.4*	12.890	N	142.492	E	33	N	4.3	0.9	15	SOUTH OF MARIANA ISLANDS
	07	10	47	58.6*	3.204	S	129.662	E	33	N	4.6	1.1	16	SERAM, INDONESIA
	07	10	48	29.6	3.688	N	95.883	E	74	*	4.4	0.8	46	OFF W COAST OF NORTHERN SUMATERA
	07	11	05	57.3*	4.743	S	139.408	E	33	N	4.2	1.2	24	IRIAN JAYA, INDONESIA
	07	12	11	04.3&	33.436	S	69.932	W	10	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	07	15	00	48.2&	63.101	N	150.624	W	118				59	CENTRAL ALASKA. <AEIC>.
	07	15	27	43.5*	32.725	S	71.464	W	10			0.8	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	07	16	20	32.4	44.197	N	9.775	E	10	G		0.9	36	NORTHERN ITALY. ML 3.3 (LDG), 3.1 (GEN), 3.0 (VIE). MD 3.3 (FIR).
	07	18	04	50.9*	44.228	N	16.355	E	10	G		0.9	9	NORTHWESTERN BALKAN REGION. ML 3.1 (VIE).
	07	18	06	39.5&	37.545	N	118.835	W	4				15	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.0 (GS).
	07	18	35	04.6*	51.159	N	15.927	E	10	G		0.7	6	POLAND. ML 2.2 (MOX).
	07	18	48	25.5*	18.552	N	66.300	W	20	G		0.6	8	PUERTO RICO REGION. MD 2.8 (MPR).
	07	18	49	25.3*	44.248	N	16.686	E	10	G		1.1	12	NORTHWESTERN BALKAN REGION. ML 2.9 (VIE).

	07	19	19	58.6?	26.02	N	125.58	E	162	?	4.3	1.2	21	NORTHEAST OF TAIWAN
	07	19	23	35.7*	1.726	S	127.477	E	33	N	4.2	1.3	15	HALMAHERA, INDONESIA
a	07	19	44	25.4	4.041	N	143.770	E	13	G	5.4 5.7	1.3	182	E. CAROLINE ISLANDS, MICRONESIA. Mw 6.1 (GS), 6.2 (HRV). Ms 5.6 (BRK). Depth from broadband displacement seismograms.
	07	20	44	10.7*	38.184	N	24.246	E	10	G		1.0	6	AEGEAN SEA. MD 3.0 (ATH).
	07	20	48	07.6	33.606	N	140.094	E	99	D	4.5	0.8	44	SOUTH OF HONSHU, JAPAN
	07	21	36	45.6	20.198	S	173.799	W	33	N	4.9 4.8	1.3	81	TONGA ISLANDS
	07	21	48	00.4	35.150	N	27.683	E	73		3.8	1.0	52	DODECANESE ISLANDS. MD 4.1 (ATH).
	07	23	11	45.2	53.026	N	142.945	E	33	N	4.2	1.0	24	SAKHALIN ISLAND
	08	00	15	52.4&	32.412	N	35.529	E	16			0.4	20	DEAD SEA REGION. ML 3.5 (JER). Felt slightly at Jerusalem.
	08	00	30	08.2	28.176	S	70.640	W	91	*	4.4	1.4	32	CENTRAL CHILE. Felt (IV) at Copiapo.
a	08	00	35	23.8	11.827	N	125.824	E	32	D	5.4 5.0	0.9	196	SAMAR, PHILIPPINE ISLANDS. Mw 5.3 (HRV).
	08	00	45	39.1&	36.015	N	117.817	W	0				23	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.3 (PAS), 3.4 (BRK), 3.1 (GS).
	08	01	07	45.8	35.372	N	27.571	E	82		3.9	0.9	47	DODECANESE ISLANDS. MD 4.2 (ATH).
	08	01	11	26.7?	44.07	N	147.26	E	33	N	3.9	0.5	8	KURIL ISLANDS
	08	01	40	49.6&	37.497	N	3.817	W	10	G		1.1	9	SPAIN. mbLg 2.6 (MDD).
	08	03	43	36.3*	32.192	S	71.042	W	77	?		0.3	13	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
	08	04	28	12.0&	18.169	N	67.091	W	10	G		0.2	6	MONA PASSAGE. MD 2.7 (MPR).
	08	04	37	55.8*	55.897	S	26.995	W	60	?	4.8	1.2	38	SOUTH SANDWICH ISLANDS REGION
	08	05	41	01.2?	23.57	S	176.87	W	300	G	3.9	0.8	13	SOUTH OF FIJI ISLANDS
	08	05	53	38.7&	59.014	N	154.317	W	100				32	SOUTHERN ALASKA. <AEIC>.
	08	06	23	57.5*	24.312	S	68.668	W	100	G		0.9	9	CHILE-ARGENTINA BORDER REGION
a	08	06	34	53.7	11.862	N	125.771	E	33	N	4.9 5.0	1.0	107	SAMAR, PHILIPPINE ISLANDS. Mw 5.3 (HRV).
	08	07	07	18.1?	6.05	S	150.41	E	81	?	3.8	1.6	12	NEW BRITAIN REGION, P.N.G.
	08	07	18	12.2	23.911	S	69.981	W	53	*	4.4	1.2	39	NORTHERN CHILE
	08	07	37	28.5?	41.77	N	75.64	E	33	N	3.8	0.4	8	KYRGYZSTAN
	08	07	53	44.5	39.777	N	16.480	E	23		4.2	1.3	93	SOUTHERN ITALY. ML 4.0 (ROM), 3.8 (THE).
	08	08	59	03.9&	33.873	S	70.688	W	83	?		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
	08	10	02	51.2*	17.950	N	119.982	E	33	N	4.0	1.1	10	PHILIPPINE ISLANDS REGION
	08	10	11	56.7*	2.618	S	128.319	E	33	N	4.1	0.4	8	CERAM SEA
	08	10	27	08.4*	45.743	N	26.678	E	100	G		0.4	8	ROMANIA
	08	11	30	25.4	51.881	N	174.479	W	65	D	4.3	1.0	28	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
	08	12	48	13.9	37.171	N	71.649	E	94	*	4.2	1.2	45	AFGHANISTAN-TAJIKISTAN BORD REG.
	08	13	56	50.2&	37.111	N	120.996	W	5				17	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.1 (GS).
	08	14	16	53.4&	58.669	N	154.373	W	0				22	ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
	08	14	17	46.8?	12.35	N	125.18	E	33	N	4.2	1.4	13	SAMAR, PHILIPPINE ISLANDS
	08	14	59	08.4	50.701	N	129.589	W	10	G	3.6	0.6	63	VANCOUVER ISLAND REGION
a	08	15	33	44.8	23.208	S	169.147	E	10	G	5.1 5.0	1.3	97	LOYALTY ISLANDS REGION. Mw 5.5 (HRV). Ms 4.8 (BRK).
	08	16	32	57.6	18.586	S	66.667	W	268		4.6	1.0	131	CENTRAL BOLIVIA
	08	16	41	16.8	38.307	N	21.992	E	10	G		0.9	9	GREECE. MD 3.0 (ATH).
	08	16	45	21.6?	29.27	S	177.10	W	33	N	4.0	0.4	6	KERMADEC ISLANDS, NEW ZEALAND
	08	16	47	10.7?	11.76	N	125.81	E	33	N	4.0	1.3	9	SAMAR, PHILIPPINE ISLANDS
	08	16	52	48.0	26.223	N	90.202	E	28	D	4.4	1.1	26	NORTHEASTERN INDIA
	08	17	41	52.5	26.351	S	27.360	E	5	G	3.8	0.9	13	REPUBLIC OF SOUTH AFRICA. mbLg 3.6 (BUL). ML 3.4 (PRE).
	08	18	18	25.6*	40.151	N	21.636	E	10	G		0.4	5	GREECE. MD 2.9 (ATH).
	08	18	19	34.0	40.290	N	21.679	E	10	G	3.3	0.5	6	GREECE. MD 3.3 (ATH).
	08	18	35	37.0	38.107	N	72.912	E	96	*	4.3	1.2	45	TAJIKISTAN
	08	19	02	56.7*	40.090	N	21.649	E	10	G		1.4	7	GREECE. MD 3.3 (ATH).
	08	19	09	57.4	30.090	N	81.746	E	33	N	4.2	0.4	18	XIZANG. ML 4.3 (DMN).
	08	19	27	09.8	37.485	N	138.374	E	22	D	4.5	1.1	49	NEAR WEST COAST OF HONSHU, JAPAN
	08	19	33	15.7?	37.81	N	7.00	W	10	G		0.3	5	PORTUGAL. mbLg 2.6 (MDD).
	08	20	40	38.3	36.154	N	27.519	E	10	G		1.0	7	DODECANESE ISLANDS. MD 3.9 (ATH).
	08	20	50	27.1	36.045	N	27.643	E	10	G		1.3	21	DODECANESE ISLANDS. MD 3.9 (ATH).
	08	22	38	38.0&	33.803	S	70.162	W	10	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
	08	22	43	14.0	47.599	N	13.722	E	10	G		1.2	8	AUSTRIA. ML 2.4 (VIE), 2.3 (GRF).
	08	22	43	43.4*	40.157	N	21.749	E	10	G		0.3	5	GREECE. MD 3.1 (ATH).
	09	00	18	26.2&	59.308	N	150.590	W	19				73	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).
	09	00	27	48.6&	58.854	N	154.616	W	109				29	ALASKA PENINSULA. <AEIC>.
	09	00	39	04.4	40.150	N	21.760	E	10	G		0.5	6	GREECE. MD 3.2 (ATH).
	09	01	12	19.9*	40.079	N	21.618	E	10	G		1.3	7	GREECE. MD 3.1 (ATH).
	09	02	09	31.1*	52.786	N	107.101	E	10	G	4.1	0.8	8	LAKE BAYKAL REGION, RUSSIA. Felt (IV) at Baykal, Kabansk, Krasnyy Yar, Kudara, Oymur, Shergino, Sukhaya and Tyrgana; (III) at Irkutsk and Ulan-Ude.
	09	02	39	24.8	36.983	N	20.992	E	10	G	3.9	1.3	24	CENTRAL MEDITERRANEAN SEA. MD 3.5 (ATH).
	09	02	49	48.6?	14.04	N	123.46	E	33	N	4.2	0.5	11	LUZON, PHILIPPINE ISLANDS
	09	02	57	34.5&	63.289	N	151.141	W	14				30	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	09	03	01	57.6&	34.215	N	118.479	W	14				12	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS), 2.7 (GS). Felt in the epicentral area.
	09	03	10	08.4*	36.588	N	71.187	E	223	*	4.1	0.7	19	AFGHANISTAN-TAJIKISTAN BORD REG.
	09	03	11	40.6&	38.298	N	21.960	E	10	G		1.3	6	GREECE. MD 2.9 (ATH).
	09	03	19	32.6&	33.544	S	70.360	W	100	G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	09	03	33	44.6&	60.911	N	151.758	W	97				53	KENAI PENINSULA, ALASKA. <AEIC>.
	09	03	36	28.0*	23.247	S	70.787	W	33	N	3.8	1.8	10	NEAR COAST OF NORTHERN CHILE
	09	04	12	47.6*	40.126	N	21.584	E	10	G		0.1	5	GREECE. MD 2.9 (ATH).
	09	04	39	15.3?	28.07	N	140.07	E	500	G	3.7	0.3	9	BONIN ISLANDS REGION
	09	05	06	32.5*	7.833	S	147.948	E	50	G	3.9	1.4	16	EASTERN NEW GUINEA REG., P.N.G.
	09	06	19	29.1&	61.584	N	150.982	W	64				23	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
	09	07	07	00.0	9.312	S	113.022	E	80	*	4.2	1.3	24	SOUTH OF JAWA, INDONESIA
	09	07	11	44.9*	6.515	S	147.971	E	50	G	4.4	1.2	13	EASTERN NEW GUINEA REG., P.N.G.
	09	07	17	45.6*	35.790	S	178.104	E	213	*	4.7	1.4	40	OFF E. COAST OF N. ISLAND, N.Z.
a	09	07	20	37.4	24.475	S	70.190	W	34	D	5.0 4.2	1.0	74	NEAR COAST OF NORTHERN CHILE. Mw 5.3 (HRV).
a	09	08	23	01.1	23.097	S	70.151	W	35	D	5.3 4.7	1.0	177	NEAR COAST OF NORTHERN CHILE. Mw 5.5 (HRV). Felt (V) at Mejillones; (IV) at Antofagasta, Calama, Maria Elena, Talabre, and Tocopilla.
	09	09	03	17.5*	43.160	N	10.990	E	10	G		1.2	29	CENTRAL ITALY. MD 3.6 (FIR). ML 3.2 (LDG), 3.2 (VIE).
	09	09	17	48.1*	26.624	S	114.108	W	10	G	4.6	1.0	26	EASTER ISLAND REGION
	09	09	29	10.5	44.355	N	7.352	E	10	G		0.4	6	NORTHERN ITALY. ML 2.3 (GEN).
	09	09	33	09.9?	22.44	S	177.81	W	400	G	4.1	1.2	8	SOUTH OF FIJI ISLANDS
	09	10	29	47.2	6.871	N	73.169	W	155		4.1	1.0	29	NORTHERN COLOMBIA

	09	11 58 40.9	35.346	N	25.109	E	123		3.8		0.9	41	CRETE
	09	12 15 11.8?	34.69	S	70.75	W	100	G			0.2	7	CHILE-ARGENTINA BORDER REGION
	09	12 16 37.6&	34.238	N	119.646	W	19					16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.2 (GS).
	09	12 37 03.3?	7.32	S	154.26	E	250	G	3.7		1.0	8	SOLOMON ISLANDS
	09	13 04 53.6*	11.752	N	125.786	E	33	N	4.3		1.2	15	SAMAR, PHILIPPINE ISLANDS
	09	13 53 01.8&	32.408	N	115.251	W	12					10	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 4.0 (ECX). ML 3.4 (PAS), 3.4 (GS).
	09	14 20 26.5	49.563	N	127.559	W	10	G	3.6		0.9	56	VANCOUVER ISLAND REGION
	09	15 08 37.1	36.422	N	71.209	E	241	D	4.0		1.0	39	AFGHANISTAN-TAJIKISTAN BORD REG.
	09	15 24 27.8*	58.875	N	142.906	W	10	G			0.7	18	GULF OF ALASKA. ML 2.6 (AEIC).
	09	15 51 04.6*	2.789	N	127.188	E	33	N	4.1		0.6	11	NORTHERN MOLUCCA SEA
	09	16 03 44.0	46.267	N	14.544	E	10	G			1.0	7	NORTHWESTERN BALKAN REGION. MD 3.0 (LJU). ML 2.4 (VIE).
	09	17 26 29.6	50.440	N	18.947	E	10	G			1.1	12	POLAND. MG 3.1 (WAR).
	09	17 48 22.9?	49.85	S	114.37	E	10	G	3.8		1.1	6	SOUTH OF AUSTRALIA
	09	18 16 20.6	23.974	S	66.684	W	207		4.0		1.3	32	JUJUY PROVINCE, ARGENTINA
	09	20 19 43.7*	3.103	S	129.983	E	63	?	4.1		1.1	11	SERAM, INDONESIA
	09	21 07 44.6?	5.70	S	152.20	E	10	G	4.3		0.9	8	NEW BRITAIN REGION, P.N.G.
	09	21 59 49.7	45.033	N	9.316	E	10	G			1.1	40	NORTHERN ITALY. ML 3.0 (LDG), 2.9 (GEN), 2.5 (VIE).
	09	22 39 41.2*	24.020	S	66.763	W	200	G	3.8		1.3	15	SALTA PROVINCE, ARGENTINA
	09	22 44 55.7*	22.002	N	121.577	E	33	N	4.1		0.9	16	TAIWAN REGION
	09	23 14 07.0&	38.825	N	122.801	W	3					10	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (GS).
a	10	00 41 04.4	15.473	S	41.604	E	10	G	5.1	5.0	0.8	243	MOZAMBIQUE CHANNEL. Mw 5.3 (HRV).
	10	00 41 06.2	42.590	N	19.821	E	10	G			1.2	68	NORTHWESTERN BALKAN REGION. ML 4.0 (ROM).
	10	02 48 48.4	45.282	N	26.382	E	20	G			0.2	6	ROMANIA
	10	03 42 04.4	8.014	N	126.909	E	43	D	4.7	4.1	1.1	48	MINDANAO, PHILIPPINE ISLANDS
	10	05 02 35.4	44.067	N	7.187	E	10	G			0.5	15	NORTHERN ITALY. ML 3.1 (GEN), 2.8 (LDG).
	10	05 17 57.6&	36.458	N	120.204	W	16					21	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.3 (PAS), 3.2 (BRK), 3.1 (GS).
	10	06 24 40.6?	41.54	N	72.82	E	33	N	3.9		0.6	9	KYRGYZSTAN
	10	06 25 17.6?	53.10	N	142.51	E	33	N	4.1		1.3	8	SAKHALIN ISLAND
	10	07 31 46.6&	57.488	N	155.127	W	78		3.3			60	ALASKA PENINSULA. <AEIC>.
	10	10 09 41.9&	47.493	N	122.810	W	14					61	WASHINGTON. <SEA-P>. MD 2.6 (SEA).
	10	10 19 41.2	21.965	N	99.147	E	39	*	4.0		0.8	15	MYANMAR-CHINA BORDER REGION
	10	10 27 24.2	5.847	S	146.815	E	200	G	4.3		1.0	8	EASTERN NEW GUINEA REG., P.N.G.
	10	10 57 56.1	46.971	N	10.624	E	10	G			0.9	7	NORTHERN ITALY. ML 1.6 (VIE).
	10	11 15 29.1?	5.55	S	154.25	E	200	G	4.4		0.9	9	SOLOMON ISLANDS
	10	11 46 32.2	17.758	S	178.661	W	530	G	4.3		1.1	44	FIJI ISLANDS REGION
	10	12 48 45.7	23.659	S	67.695	W	118	*	4.5		1.3	29	CHILE-ARGENTINA BORDER REGION
	10	13 44 23.6*	6.508	S	155.500	E	283	?	4.4		1.3	27	SOLOMON ISLANDS
	10	13 49 25.5	45.521	N	26.318	E	150	G			0.5	7	ROMANIA
	10	14 13 16.0*	24.168	S	70.719	W	33	N	4.0		1.3	10	NEAR COAST OF NORTHERN CHILE
	10	15 55 45.5*	14.377	S	75.717	W	70		4.7		1.0	41	NEAR COAST OF PERU. Felt (V) at Palpa; (IV) at Ica; (III) at Chincha Alta, and Nazca.
	10	16 45 35.2&	33.986	S	70.307	W	100	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
	10	17 00 21.0*	29.306	N	67.377	E	33	N	3.9		1.1	16	PAKISTAN
	10	17 03 31.6*	34.267	N	25.623	E	10	G			1.0	5	CRETE. MD 4.0 (ATH).
	10	17 21 39.1*	33.929	N	141.633	E	33	N	3.7		1.0	16	OFF EAST COAST OF HONSHU, JAPAN
a	10	17 38 12.0	15.945	S	177.366	W	20	G	4.9	4.9	1.2	109	FIJI ISLANDS REGION. Mw 5.4 (HRV). Ms 4.8 (BRK).
a	10	18 10 37.2	23.769	S	70.567	W	33	N	5.4	4.7	1.2	194	NEAR COAST OF NORTHERN CHILE. Mw 5.2 (HRV). Felt (V) at Antofagasta; (IV) at Baquedano; (III) at Maria Elena, Mejillones and Talabre; (II) at Copiapo and Taltal.
	10	18 43 27.7*	18.088	N	67.108	W	5	G			0.2	5	MONA PASSAGE. MD 2.6 (MPR).
	10	19 38 59.9*	3.351	S	129.785	E	33	N	4.0		0.9	11	SERAM, INDONESIA
	10	19 51 07.8&	63.257	N	151.147	W	8					11	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC), 2.9 (PMR).
	10	20 21 28.7?	19.10	N	66.81	W	20	G			0.3	8	PUERTO RICO REGION. MD 3.1 (MPR).
	10	20 40 14.3*	43.877	N	147.549	E	33	N	4.1		0.2	9	KURIL ISLANDS
	10	21 03 18.0&	36.415	N	120.990	W	7					10	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
	10	21 28 00.2*	52.227	N	169.633	W	60	*	4.0		1.1	31	FOX ISLANDS, ALEUTIAN ISLANDS
	10	22 46 54.3	8.881	S	124.049	E	112		4.8		1.1	52	TIMOR REGION, INDONESIA
	10	23 06 34.4*	17.960	S	168.329	E	33	N	4.0		1.4	23	VANUATU ISLANDS
	10	23 40 35.7?	34.31	S	70.75	W	90	G			0.1	6	CHILE-ARGENTINA BORDER REGION
	10	23 54 46.5*	37.740	N	20.585	E	10	G			0.5	6	IONIAN SEA. MD 3.6 (ATH).
	11	01 00 10.1*	43.296	N	146.247	E	33	N	4.0		0.7	10	KURIL ISLANDS
	11	01 56 56.8?	16.35	S	176.84	W	33	N	4.5	4.5	1.5	16	FIJI ISLANDS REGION
	11	04 07 39.5	17.535	N	61.642	W	10	G	4.7	4.2	0.9	107	LEEWARD ISLANDS
	11	05 00 18.9?	34.67	N	8.64	W	33	N			0.8	13	WEST OF GIBRALTAR. mbLg 3.6 (MDD).
	11	05 17 50.5	9.134	N	126.517	E	33	N	4.6	4.0	0.9	29	MINDANAO, PHILIPPINE ISLANDS
	11	06 10 25.3	33.948	S	70.212	W	10	G			0.5	12	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
	11	06 21 02.0*	6.340	N	117.150	E	33	N	4.1	4.0	1.0	14	BORNEO
	11	06 27 33.6&	33.850	S	70.086	W	10	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	11	08 10 00.8?	57.66	N	153.05	W	33	N			1.4	8	KODIAK ISLAND REGION
	11	08 40 06.1*	72.221	N	3.723	E	10	G			0.8	10	NORWEGIAN SEA
	11	08 44 12.4	43.298	N	8.195	E	10	G			0.3	11	CORSICA. ML 2.5 (GEN), 2.3 (LDG).
a	11	09 19 21.6	23.199	S	170.813	E	16	G	5.6	5.1	0.9	238	LOYALTY ISLANDS REGION. Mw 5.5 (GS), 5.5 (HRV). Ms 5.1 (BRK). Depth from broadband displacement seismograms.
a	11	10 14 45.6	23.629	S	66.709	W	215	D	4.9		1.3	159	JUJUY PROVINCE, ARGENTINA. Mw 5.4 (HRV).
	11	10 16 04.2	14.989	S	167.283	E	119	D	5.1		1.1	127	VANUATU ISLANDS
	11	11 02 27.5&	47.064	N	0.821	E	10	G			0.8	10	FRANCE. ML 2.0 (LDG).
	11	11 28 19.9	42.844	N	12.659	W	10	G	4.6		1.3	99	NORTH ATLANTIC OCEAN. mbLg 4.1 (MDD).
	11	11 52 58.6?	26.36	S	27.40	E	5	G	4.2		1.6	11	REPUBLIC OF SOUTH AFRICA. mbLg 4.2 (BUL).
	11	11 53 17.5?	57.47	N	153.13	W	33	N	3.0		1.0	7	KODIAK ISLAND REGION. ML 3.4 (PMR).
	11	13 27 20.3&	59.573	N	154.055	W	135					82	SOUTHERN ALASKA. <AEIC>.
	11	13 44 25.5&	59.230	N	152.408	W	85					53	SOUTHERN ALASKA. <AEIC>.
a	11	13 47 21.7	2.546	N	84.447	W	10	G	5.0	4.3	1.3	121	OFF COAST OF CENTRAL AMERICA. Mw 5.1 (HRV). Ms 4.3 (BRK).
	11	14 14 51.9&	60.030	N	152.389	W	87					38	SOUTHERN ALASKA. <AEIC>.
	11	14 24 52.7*	40.687	S	175.573	E	33	N	4.4		1.1	10	NORTH ISLAND, NEW ZEALAND. Felt in the southern part of the North Island.
	11	15 20 20.8*	4.363	N	127.072	E	33	N	4.4		0.7	16	TALAUD ISLANDS, INDONESIA
	11	18 17 44.4*	38.029	N	124.441	E	10	G	4.0		0.9	19	NORTH KOREA. ML 3.8 (BJI).
	11	18 48 42.0?	4.90	S	133.69	E	33	N	4.1		1.2	11	IRIAN JAYA REGION, INDONESIA
	11	18 57 25.1&	57.589	N	153.213	W	49					29	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
	11	19 25 15.1?	4.86	S	134.18	E	33	N	4.4		1.4	8	IRIAN JAYA REGION, INDONESIA

	11	19	27	51.1&	59.226	N	152.872	W	88			39	SOUTHERN ALASKA. <AEIC>.
	11	19	56	15.1*	6.503	S	153.040	E	33 N	4.1	0.9	11	NEW BRITAIN REGION, P.N.G.
	11	21	29	00.6	8.992	N	84.087	W	33 N	4.6 4.5	0.8	77	OFF COAST OF COSTA RICA. MD 4.7 (UPA).
	11	22	01	58.4?	43.91	N	147.09	E	33 N	4.1	1.7	15	KURIL ISLANDS
	11	22	37	46.9?	40.21	N	21.57	E	10 G		1.0	5	GREECE. MD 3.0 (ATH).
	11	23	52	59.2?	22.19	N	121.07	E	33 N	3.8	1.1	7	TAIWAN REGION
	12	00	50	41.2?	51.63	N	16.21	E	5 G		0.8	10	POLAND
	12	02	47	55.8%	33.285	S	70.695	W	80 G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
a	12	03	39	07.1	16.071	S	179.384	W	33 N	4.8 4.7	1.2	58	FIJI ISLANDS REGION. Mw 5.2 (HRV). Ms 4.6 (BRK).
	12	03	39	42.4&	63.262	N	151.141	W	10			51	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.6 (PMR).
	12	03	49	45.9%	38.055	N	22.084	E	33 N		0.5	5	GREECE. MD 2.8 (ATH).
a	12	04	06	19.3	2.827	S	138.474	E	33 N	5.0 5.2	1.1	108	IRIAN JAYA, INDONESIA. Mw 5.5 (HRV).
	12	04	15	36.4*	2.723	S	138.727	E	33 N	4.6	0.7	11	IRIAN JAYA, INDONESIA
	12	04	31	59.0&	63.256	N	151.173	W	5			11	CENTRAL ALASKA. <AEIC>. ML 2.3 (AEIC), 2.9 (PMR).
	12	05	04	14.2	1.353	S	77.874	W	140 ?	4.3	0.9	54	ECUADOR
	12	05	52	00.6	50.447	N	18.980	E	10 G		1.4	12	POLAND. MG 2.7 (WAR).
	12	06	43	57.7%	33.614	S	71.243	W	50 G		0.4	8	NEAR COAST OF CENTRAL CHILE. MD 2.6 (SAN).
	12	07	06	03.3?	9.72	N	85.02	W	33 N	4.1	1.2	23	OFF COAST OF COSTA RICA
	12	07	12	03.9*	23.023	S	169.932	E	33 N	4.3	1.2	20	LOYALTY ISLANDS REGION
	12	07	54	52.2	39.426	N	20.555	E	33 N	3.8	1.4	30	GREECE-ALBANIA BORDER REGION. ML 3.6 (ATH).
	12	08	24	06.7*	8.558	S	159.066	E	173 ?	4.3	1.0	23	SOLOMON ISLANDS
	12	08	50	51.0?	39.45	N	20.43	E	10 G	3.5	1.5	11	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
	12	09	57	53.4&	33.985	N	116.904	W	10			13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.1 (GS).
	12	10	06	27.7&	60.156	N	153.480	W	149	3.8		99	SOUTHERN ALASKA. <AEIC>.
	12	10	21	46.7%	32.464	S	70.800	W	90 G		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	12	10	32	55.1%	33.678	S	69.311	W	160 G		0.4	12	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	12	11	17	10.8?	38.36	N	21.90	E	10 G		0.5	4	GREECE. MD 2.7 (ATH).
	12	11	49	49.4*	51.164	N	15.855	E	5 G		0.4	8	POLAND
	12	13	06	18.9*	16.553	S	167.398	E	33 N	4.2	0.8	9	VANUATU ISLANDS
	12	13	14	45.8	33.189	S	71.086	W	70 G		0.8	12	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	12	13	24	25.0	42.999	N	12.884	E	10 G		1.2	18	CENTRAL ITALY. ML 3.2 (VIE).
	12	13	37	11.9&	61.293	N	146.826	W	20			64	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).
	12	13	55	50.5%	32.648	S	71.518	W	10 G		0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	12	13	56	34.8	3.408	S	149.183	E	33 N	4.2	1.4	11	BISMARCK SEA
a	12	14	00	18.5	3.484	S	149.130	E	33 N	4.6 5.2	1.0	50	BISMARCK SEA. Mw 5.5 (HRV). Ms 5.2 (BRK).
	12	14	11	04.8&	35.920	N	117.678	W	4			3	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	12	14	23	10.3?	34.21	S	70.99	W	90 G		1.1	7	CHILE-ARGENTINA BORDER REGION
	12	14	24	03.5	45.060	N	9.532	E	5 G		1.0	13	NORTHERN ITALY. ML 2.5 (GEN), 2.5 (LDG).
	12	15	03	56.3?	14.24	N	145.73	E	33 N	4.1	1.2	8	MARIANA ISLANDS
	12	15	21	37.5*	86.082	N	31.226	E	10 G		1.4	12	NORTH OF SVALBARD
	12	15	50	49.3?	43.78	N	7.10	E	5 G		0.1	4	NEAR SOUTH COAST OF FRANCE. ML 1.7 (LDG).
	12	18	07	49.4*	7.479	S	128.065	E	111 ?	4.0	0.9	15	BANDA SEA
	12	18	29	37.9*	28.764	N	129.614	E	84 ?	4.2	1.5	18	RYUKYU ISLANDS
	12	18	56	18.1*	32.214	S	71.871	W	33 N		1.0	18	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	12	19	15	09.4?	5.92	N	126.15	E	33 N	4.1	1.4	13	MINDANAO, PHILIPPINE ISLANDS
	12	20	01	35.7?	34.26	S	70.25	W	10 G		0.8	7	CHILE-ARGENTINA BORDER REGION
	12	21	26	38.2*	14.045	N	121.125	E	33 N	4.4	0.9	32	LUZON, PHILIPPINE ISLANDS
	12	22	02	13.6*	32.781	N	131.534	E	33 N	4.6	1.2	71	KYUSHU, JAPAN
a	12	22	44	20.1	43.302	N	147.626	E	33 N	5.0 4.4	0.9	210	KURIL ISLANDS. Mw 5.3 (HRV).
	12	22	51	38.8	24.001	S	66.823	W	205	4.1	1.1	21	SALTA PROVINCE, ARGENTINA
	12	23	50	00.6	41.247	N	116.282	W	10 G		0.7	25	NEVADA. ML 3.9 (GS). Felt (III) at Tuscarora.
	12	23	55	16.1%	16.722	N	62.200	W	10 G		0.4	6	LEEWARD ISLANDS. MD 3.5 (TRN).
	13	00	57	23.4*	36.403	N	69.626	E	110 G	3.9	0.8	16	HINDU KUSH REGION, AFGHANISTAN
	13	01	08	41.9%	33.278	S	70.131	W	120 G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
	13	01	31	55.6	45.780	N	10.459	E	10 G		0.8	25	NORTHERN ITALY. ML 3.0 (GRF), 2.7 (VIE), 2.7 (LDG).
	13	02	00	30.9*	44.527	N	146.810	E	33 N	3.8	0.8	12	KURIL ISLANDS
	13	03	58	58.7?	58.93	N	31.08	W	10 G	3.6	0.8	9	NORTH ATLANTIC OCEAN
	13	05	17	29.4	38.093	N	22.864	E	26	4.7 4.2	1.4	196	GREECE. ML 4.2 (ATH), 4.1 (THE). Felt in Arkadhia and Korinthia. Also felt at Athens.
	13	05	48	08.6	36.391	N	141.721	E	33 D	4.4 4.5	1.2	70	NEAR EAST COAST OF HONSHU, JAPAN
	13	05	50	13.0	36.264	N	141.970	E	33 N	4.1	1.2	25	NEAR EAST COAST OF HONSHU, JAPAN
	13	06	23	33.3	12.618	N	142.538	E	188 *	4.5	0.9	44	SOUTH OF MARIANA ISLANDS
	13	07	38	41.5?	22.40	S	179.43	W	600 G	4.5	1.1	20	SOUTH OF FIJI ISLANDS
	13	07	44	54.7	44.580	N	148.934	E	33 N	4.3	1.0	35	KURIL ISLANDS
	13	08	26	27.6*	13.853	S	169.466	E	33 N	4.4	1.2	13	VANUATU ISLANDS REGION
	13	08	32	50.0*	41.370	N	19.672	E	10 G	4.0	1.1	16	ALBANIA. MD 3.4 (ATH).
	13	08	43	24.9?	36.38	N	141.96	E	33 N	3.8	1.0	14	NEAR EAST COAST OF HONSHU, JAPAN
	13	09	10	55.7	19.412	N	69.357	W	10 G	4.4	1.1	64	DOMINICAN REPUBLIC REGION
	13	09	59	52.8*	61.578	N	2.418	E	10 G		1.1	12	NORWEGIAN SEA. ML 3.0 (BGS). MD 2.7 (BER).
	13	10	45	40.6	17.351	N	149.838	E	33 N	4.0	1.0	24	MARIANA ISLANDS REGION
	13	10	53	01.0	17.802	S	178.135	W	515 *	4.3	1.2	77	FIJI ISLANDS REGION
	13	12	01	43.8	81.456	N	3.442	W	10 G	4.5 4.0	1.0	74	NORTH OF SVALBARD
	13	12	19	20.4*	32.635	S	68.819	W	10 G		0.5	10	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN).
	13	12	19	24.6%	43.625	N	7.269	E	5 G		0.2	6	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG).
	13	13	21	24.3%	43.732	N	7.514	E	5 G		0.3	6	NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG).
	13	13	24	17.5%	43.593	N	7.296	E	5 G		0.3	6	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
	13	14	31	49.1?	3.45	N	95.26	E	33 N		0.9	6	OFF W COAST OF NORTHERN SUMATERA
	13	14	49	21.1	48.528	N	154.026	E	33 N	4.4	1.1	50	KURIL ISLANDS
	13	15	36	30.8?	20.67	N	145.33	E	33 N	4.1	1.1	9	MARIANA ISLANDS
	13	15	53	56.6*	2.508	S	80.276	W	33 N	4.6	1.0	40	NEAR COAST OF ECUADOR
	13	16	35	15.1?	7.34	S	128.87	E	118 ?	3.9	1.2	15	BANDA SEA
	13	17	20	17.3%	31.905	S	71.199	W	33 N		0.4	12	NEAR COAST OF CENTRAL CHILE
	13	17	43	26.0	54.840	N	162.502	W	81	3.9	0.8	21	ALASKA PENINSULA
	13	17	45	50.3*	51.707	N	16.130	E	5 G		1.0	14	POLAND. ML 3.2 (GRF), 2.6 (MOX).
	13	17	47	44.2*	27.184	N	127.308	E	33 N	4.1	0.9	19	RYUKYU ISLANDS
	13	18	08	03.9*	7.803	N	82.186	W	33 N	4.2	1.3	17	SOUTH OF PANAMA. MD 4.2 (UPA).
	13	18	28	00.6*	40.282	N	21.655	E	10 G		0.8	6	GREECE. MD 3.0 (ATH).
	13	19	32	13.1	43.023	N	111.181	W	5 G		0.8	21	EASTERN IDAHO. ML 3.3 (GS), 3.4 (BUT).
	13	20	11	48.7*	40.038	N	21.547	E	10 G		0.8	9	GREECE. MD 3.1 (ATH).
	13	20	22	10.4*	40.115	N	21.474	E	10 G	3.7	1.4	19	GREECE. MD 3.2 (ATH).
	13	20	57	45.4*	11.768	N	141.864	E	33 N	4.5	1.5	32	WESTERN CAROLINE ISLANDS
	13	21	08	10.6&	59.867	N	153.761	W	143			57	SOUTHERN ALASKA. <AEIC>.
	13	21	23	43.9*	14.752	N	91.061	W	23 D	4.2	1.4	27	GUATEMALA

	13	21	29	32.9%	18.022	N	66.817	W	10	G			0.8	12	PUERTO RICO REGION. MD 3.2 (MPR).
	13	21	29	57.4?	19.90	S	177.69	W	500	G	4.2		0.9	10	FIJI ISLANDS REGION
	13	21	40	47.7?	43.81	N	7.47	E	5	G			0.9	4	NEAR SOUTH COAST OF FRANCE. ML 1.8 (LDG).
	13	21	46	18.9*	10.696	S	165.906	E	146	*	4.3		0.8	39	SANTA CRUZ ISLANDS
	13	22	15	48.9	24.421	N	94.486	E	82		4.4		1.2	54	MYANMAR-INDIA BORDER REGION
	13	23	23	24.8	46.062	N	14.138	E	10	G			1.1	73	NORTHWESTERN BALKAN REGION. MD 3.9 (LJU), 3.5 (STR). ML 3.9 (GRF), 3.8 (VIE), 3.6 (LDG), 3.5 (ROM), 3.5 (MOX), 3.4 (FUR).
	14	00	34	41.9	30.225	N	113.947	W	10	G	4.0		1.0	43	GULF OF CALIFORNIA. MD 4.3 (ECX).
	14	01	11	40.9	47.554	N	146.951	E	427	D	4.3		0.9	58	NORTHWEST OF KURIL ISLANDS
	14	02	25	47.9?	8.79	S	123.95	E	201	*	4.1		0.9	10	FLORES REGION, INDONESIA
	14	02	42	46.2*	44.260	N	11.894	E	10	G			1.1	17	NORTHERN ITALY. ML 2.8 (LDG).
	14	04	10	33.4&	60.123	N	152.550	W	89					47	SOUTHERN ALASKA. <AEIC>.
	14	04	21	20.8?	23.68	S	175.89	W	36	D	4.8		1.1	43	TONGA ISLANDS REGION
a	14	04	37	17.5	4.836	S	151.515	E	128	G	6.4		1.0	549	NEW BRITAIN REGION, P.N.G. Mw 6.7 (GS), 6.7 (HRV). Me 6.6 (GS). Mo=2.8*10**19 Nm (PPT). Felt in the epicentral area. Depth from broadband displacement seismograms.
	14	06	13	14.0&	59.606	N	152.200	W	59					51	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
	14	08	21	43.9	57.874	S	25.397	W	33	N	5.2	4.7	1.1	116	SOUTH SANDWICH ISLANDS REGION
	14	08	29	51.9%	10.191	N	67.823	W	10	G			1.1	7	NEAR COAST OF VENEZUELA
	14	09	40	35.6*	2.622	S	129.256	E	33	N	4.3		0.9	10	SERAM, INDONESIA
	14	09	47	15.9*	3.612	S	151.620	E	33	N	4.1		1.1	13	NEW IRELAND REGION, P.N.G.
	14	10	12	04.0*	55.459	N	162.221	E	33	N	4.2		1.0	24	NEAR EAST COAST OF KAMCHATKA
	14	10	12	31.2&	62.790	N	148.296	W	55					75	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
	14	10	16	13.7*	0.896	N	27.324	W	10	G	4.2		1.2	15	CENTRAL MID-ATLANTIC RIDGE
	14	10	54	39.6	36.179	N	4.519	W	60	G			1.4	19	STRAIT OF GIBRALTAR
	14	12	40	07.3?	17.18	S	177.85	W	106	?	4.1		1.5	17	FIJI ISLANDS REGION
	14	13	20	58.0%	45.995	N	0.946	W	10	G			1.7	8	FRANCE. ML 2.3 (LDG).
	14	14	01	08.0%	44.659	N	6.817	E	10	G			0.3	5	FRANCE. ML 2.2 (GEN).
	14	14	30	45.4	6.992	S	124.841	E	572	*	4.6		0.9	33	BANDA SEA
	14	15	42	23.0&	60.148	N	152.813	W	116					72	SOUTHERN ALASKA. <AEIC>.
	14	16	30	49.7	44.003	N	6.769	E	10	G			0.7	15	FRANCE. ML 2.3 (GEN), 2.0 (LDG).
	14	16	44	33.9&	38.818	N	122.810	W	4					8	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
	14	16	51	09.5	43.295	N	8.181	E	10	G			0.9	27	CORSICA. ML 3.0 (LDG), 3.0 (GEN).
	14	17	57	03.1	40.175	N	21.686	E	10	G	4.1		1.5	47	GREECE. MD 3.6 (ATH).
	14	18	14	40.0?	32.92	S	70.33	W	110	G			0.3	6	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	14	19	07	05.3&	59.520	N	153.003	W	88					58	SOUTHERN ALASKA. <AEIC>.
	14	19	26	17.0?	37.33	N	3.85	W	10	G			0.9	4	SPAIN. mbLg 1.9 (MDD).
	14	21	06	21.4*	21.065	S	174.561	W	33	N	4.7		1.1	28	TONGA ISLANDS
	14	21	14	22.1*	15.971	N	95.767	W	33	N	4.3		1.1	27	NEAR COAST OF OAXACA, MEXICO
	14	21	32	20.0	44.147	N	128.923	W	10	G	4.2		1.3	45	OFF COAST OF OREGON
	14	21	58	46.9	40.185	N	21.672	E	10	G			0.9	7	GREECE. MD 3.1 (ATH).
	14	22	31	09.7&	40.815	N	127.732	W	8					12	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK). Mo=1.5*10**15 Nm (BRK).
	14	22	38	57.0&	57.692	N	153.459	W	57					34	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
	14	22	53	13.1	50.452	N	19.052	E	10	G			1.2	15	POLAND. ML 2.8 (CLL).
	15	00	06	06.7	44.027	N	7.654	E	10	G			0.7	16	NORTHERN ITALY. ML 2.7 (LDG), 2.6 (GEN).
	15	00	47	28.3?	6.12	N	73.27	W	125	*	3.8		0.3	10	NORTHERN COLOMBIA
	15	00	59	37.0&	60.999	N	152.079	W	95					46	SOUTHERN ALASKA. <AEIC>.
	15	01	38	30.5%	34.240	S	70.606	W	100	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
	15	01	53	25.6*	58.079	N	148.852	E	16	D	4.7	4.5	0.8	127	EASTERN SIBERIA, RUSSIA
	15	03	18	10.8*	6.763	N	73.067	W	154		4.1		1.0	42	NORTHERN COLOMBIA
	15	03	31	55.8*	2.259	S	138.363	E	33	N	4.9	4.2	1.0	76	IRIAN JAYA, INDONESIA
	15	03	40	28.6*	32.143	S	69.036	W	130				1.0	23	MENDOZA PROVINCE, ARGENTINA. MD 4.3 (SAN).
	15	03	46	07.1*	50.867	N	171.351	W	33	N	3.8		1.0	19	SOUTH OF ALEUTIAN ISLANDS
	15	04	12	40.1&	35.785	N	118.034	W	6					22	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.3 (GS).
	15	04	46	18.3%	44.151	N	9.214	E	5	G			0.6	8	NORTHERN ITALY. ML 2.7 (GEN).
	15	05	17	46.8&	33.781	N	116.923	W	12					12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.0 (GS). Felt.
	15	06	07	40.6	20.741	S	178.293	W	552	*	4.6		1.0	73	FIJI ISLANDS REGION
	15	07	30	23.7&	59.753	N	152.509	W	75					103	SOUTHERN ALASKA. <AEIC>.
	15	07	57	53.3	73.059	N	6.025	E	10	G	4.1		1.5	31	GREENLAND SEA
	15	10	56	58.8*	44.085	N	128.340	W	10	G	3.5		0.7	13	OFF COAST OF OREGON
	15	11	08	46.2	36.532	N	23.987	E	93		3.9		1.6	47	SOUTHERN GREECE. MD 3.7 (ATH).
	15	12	18	08.2?	26.63	N	140.89	E	33	N	4.3		1.2	14	BONIN ISLANDS REGION
	15	14	53	58.5	24.129	N	122.427	E	33	N	4.5	4.4	1.2	54	TAIWAN REGION
	15	16	03	46.6&	34.170	N	116.459	W	10					18	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.5 (GS). Felt at Yucca Valley.
	15	17	57	15.1&	65.744	N	145.427	W	15					17	NORTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	15	19	06	45.8%	42.766	N	6.943	W	10	G			1.0	5	SPAIN. mbLg 3.1 (MDD). Felt (II) in the Piedrafita area.
	15	20	26	45.9&	59.171	N	153.783	W	98					82	SOUTHERN ALASKA. <AEIC>.
	15	21	03	51.2	33.726	N	136.863	E	380		4.2		0.9	49	NEAR S. COAST OF WESTERN HONSHU
	15	21	16	46.7&	59.957	N	153.115	W	126		4.1			117	SOUTHERN ALASKA. <AEIC>.
	15	23	05	24.4*	28.090	N	139.635	E	493	*	4.0		0.7	32	BONIN ISLANDS REGION
	16	01	13	03.3*	32.108	S	70.310	W	100	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.8 (SAN).
a	16	01	22	38.2	23.631	S	179.054	E	540	D	5.3		1.1	324	SOUTH OF FIJI ISLANDS. Mw 5.7 (HRV). mb 4.8 (BRK).
	16	02	16	50.6?	37.12	N	70.41	E	33	N	3.9		0.7	17	AFGHANISTAN-TAJIKISTAN BORD REG.
	16	02	24	16.9?	44.10	N	146.62	E	33	N	4.2		0.7	11	KURIL ISLANDS
	16	02	30	13.3?	36.38	N	25.21	E	33	N			1.7	5	DODECANESE ISLANDS. MD 3.4 (ATH).
	16	03	14	44.0&	58.441	N	150.723	W	18					11	GULF OF ALASKA. <AEIC>. ML 2.4 (AEIC), 3.0 (PMR).
	16	03	21	38.4	44.023	N	7.647	E	5	G			0.4	12	NORTHERN ITALY. ML 1.9 (GEN), 1.8 (LDG).
a	16	03	34	12.9	29.316	S	112.764	W	10	G	4.9	5.3	1.3	59	EASTER ISLAND REGION. Mw 5.5 (HRV). Ms 5.3 (BRK).
	16	03	52	00.0*	29.251	S	112.666	W	10	G	4.6		1.5	25	EASTER ISLAND REGION
	16	04	06	42.0&	40.501	N	124.807	W	24					19	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 2.8 (GS).
	16	06	15	02.4	10.532	N	92.745	E	33	N	4.5		1.3	29	ANDAMAN ISLANDS, INDIA
	16	06	19	33.4*	73.099	N	6.291	E	10	G	3.8		0.6	9	GREENLAND SEA
	16	06	43	44.1*	72.988	N	6.612	E	10	G	4.0		1.7	13	NORWEGIAN SEA
	16	07	55	51.0%	33.717	S	70.404	W	10	G			0.6	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
a	16	08	17	12.2	29.262	S	112.634	W	10	G	5.2	5.4	0.9	109	EASTER ISLAND REGION. Mw 5.6 (HRV). Ms 5.6 (BRK).
	16	09	04	31.1	59.924	S	27.647	W	109	D	4.3		0.8	22	SOUTH SANDWICH ISLANDS REGION

	16	09	15	57.4?	39.60	N	19.46	E	10	G		0.8	5	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH).
a	16	10	27	28.6	5.799	S	154.178	E	30	G	6.5 7.8	1.3	459	SOLOMON ISLANDS. Mw 7.6 (GS), 7.7 (HRV). Me 7.3 (GS). Ms 7.8 (BRK). Mo=3.1*10**20 Nm (PPT). Minor damage in the epicentral area. Landslides blocked a road between Rabaul and Kokopo, New Britain. Felt strongly on Shortland Island. Tsunami generated with maximum wave heights (peak-to-trough) of 55 cm at Rabaul, New Britain and 11 cm on Kwajalein Island. Two events about 4.6 seconds apart. Depth from broadband displacement seismograms, based on first event.
	16	10	47	12.6	5.251	S	153.630	E	33	N	5.1	0.9	93	NEW IRELAND REGION, P.N.G.
	16	10	56	09.8*	5.457	S	153.719	E	33	N	4.7	1.3	24	NEW IRELAND REGION, P.N.G.
	16	11	13	29.6*	4.951	S	153.289	E	33	N	4.3	1.0	20	NEW IRELAND REGION, P.N.G.
	16	11	17	40.4?	5.74	S	154.22	E	33	N		0.8	8	SOLOMON ISLANDS
	16	11	21	42.6	14.802	S	167.148	E	135	D	5.9	1.1	350	VANUATU ISLANDS
	16	11	32	08.5	45.524	N	7.781	E	5	G		1.0	24	NORTHERN ITALY. ML 2.6 (GEN), 2.4 (LDG).
	16	11	37	55.8	5.183	S	153.808	E	33	D	4.9	1.0	36	NEW IRELAND REGION, P.N.G.
	16	11	48	19.9?	4.87	S	153.19	E	33	N	4.2	1.1	13	NEW IRELAND REGION, P.N.G.
	16	11	53	05.7	5.028	S	153.459	E	33	N	4.9	0.9	63	NEW IRELAND REGION, P.N.G.
	16	12	03	19.2	5.387	S	153.624	E	29	D	4.4	1.1	21	NEW IRELAND REGION, P.N.G.
	16	12	20	36.7	5.334	S	153.799	E	33	N	4.9	1.0	42	NEW IRELAND REGION, P.N.G.
	16	12	40	57.8?	5.59	S	153.86	E	33	N	4.0	0.5	7	NEW IRELAND REGION, P.N.G.
	16	12	57	59.1	5.191	S	153.722	E	33	N	4.4	1.0	29	NEW IRELAND REGION, P.N.G.
	16	13	20	49.8	5.206	S	153.565	E	33	N	4.7	1.0	30	NEW IRELAND REGION, P.N.G.
	16	13	31	11.9	5.356	S	153.657	E	33	N	4.9	1.1	61	NEW IRELAND REGION, P.N.G.
	16	13	55	49.3*	5.559	S	153.571	E	33	N	4.2	0.9	14	NEW IRELAND REGION, P.N.G.
	16	14	05	44.1	5.146	S	153.447	E	33	N	5.4 5.9	1.3	233	NEW IRELAND REGION, P.N.G.
	16	14	12	49.3	5.117	S	153.595	E	33	N	4.7	0.9	25	NEW IRELAND REGION, P.N.G.
	16	14	15	33.1&	34.945	N	118.992	W	13				27	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.8 (GS).
	16	15	04	01.3	31.950	S	179.362	E	463	D	5.7	1.0	414	KERMADEC ISLANDS REGION. mb 6.3 (BRK). Felt (IV) on Raoul Island. Two events about 1.3 seconds apart.
	16	15	24	21.8	5.226	S	153.579	E	33	N	4.4	0.7	26	NEW IRELAND REGION, P.N.G.
	16	15	28	56.1	5.032	S	153.935	E	83	D	5.8	1.3	262	NEW IRELAND REGION, P.N.G. mb 5.3 (BRK).
	16	15	44	00.4	51.242	N	159.010	E	33	N	4.8	0.8	89	OFF EAST COAST OF KAMCHATKA
	16	16	11	43.0	5.533	S	153.831	E	33	N	5.1 5.6	1.1	77	NEW IRELAND REGION, P.N.G.
a	16	16	24	26.5	5.429	S	153.773	E	19	G	5.8 6.7	1.1	391	NEW IRELAND REGION, P.N.G. Mw 6.5 (GS), 6.6 (HRV). Me 6.4 (GS). Ms 6.8 (BRK). Depth from broadband displacement seismograms.
	16	17	19	17.0	51.475	N	176.716	W	33	N	4.9	1.1	174	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR). Felt (III) on Adak.
	16	17	25	40.5&	59.889	N	153.216	W	120				34	SOUTHERN ALASKA. <AEIC>.
	16	17	26	52.4	5.278	S	153.633	E	33	N	4.9	1.0	82	NEW IRELAND REGION, P.N.G.
	16	17	35	49.6	5.376	S	153.637	E	33	N	4.4	1.1	22	NEW IRELAND REGION, P.N.G.
	16	18	05	46.0	5.772	S	154.073	E	31	D	4.8	1.0	54	SOLOMON ISLANDS
	16	18	09	27.2*	32.097	S	179.448	E	459	*	4.5	1.1	51	SOUTH OF KERMADEC ISLANDS
	16	18	32	39.5*	5.285	S	153.523	E	33	N	4.2	1.2	15	NEW IRELAND REGION, P.N.G.
	16	18	52	24.6*	5.287	S	153.686	E	33	N	4.3	1.2	16	NEW IRELAND REGION, P.N.G.
	16	19	24	05.8*	5.460	S	153.772	E	33	N	4.2	0.7	15	NEW IRELAND REGION, P.N.G.
	16	19	32	32.8	5.542	S	153.573	E	33	N	4.4	1.3	33	NEW IRELAND REGION, P.N.G.
	16	19	45	55.4?	3.61	S	151.32	E	33	N		0.9	7	NEW IRELAND REGION, P.N.G.
	16	20	12	06.2*	4.753	S	153.340	E	33	N	4.1	1.1	20	NEW IRELAND REGION, P.N.G.
	16	20	14	29.4*	5.577	S	153.806	E	33	N	4.2	1.5	15	NEW IRELAND REGION, P.N.G.
a	16	20	58	50.8	28.460	N	128.067	E	21	D	5.3 5.5	1.1	160	RYUKYU ISLANDS. Mw 5.7 (HRV). Ms 5.1 (BRK).
	16	21	23	33.4	5.498	S	153.592	E	28	D	5.1 5.6	1.1	111	NEW IRELAND REGION, P.N.G. Ms 5.5 (BRK).
	16	21	49	56.7?	6.51	S	154.48	E	33	N	3.8	0.4	7	SOLOMON ISLANDS
	16	22	17	33.7	6.128	S	153.874	E	33	N	4.3	1.2	28	NEW BRITAIN REGION, P.N.G.
	16	22	23	09.7*	5.557	S	154.033	E	33	N	4.2	1.4	15	SOLOMON ISLANDS
	16	22	28	39.4	6.117	S	153.857	E	34	D	4.9	1.2	57	NEW BRITAIN REGION, P.N.G.
	16	22	35	24.6?	5.69	S	153.86	E	33	N	4.5	1.2	13	NEW IRELAND REGION, P.N.G.
a	16	23	10	23.9	5.771	S	154.347	E	33	N	6.2 7.2	1.2	365	SOLOMON ISLANDS. Mw 7.2 (GS), 7.2 (HRV). Me 6.8 (GS). Ms 7.2 (BRK). Mo=5.0*10**19 Nm (PPT). Felt throughout the Solomon Islands. Two events about 5.0 seconds apart observed on broadband displacement seismograms.
	16	23	31	17.0	6.902	S	129.235	E	185	D	5.4	1.0	106	BANDA SEA
	16	23	45	39.9?	48.78	N	1.38	W	10	G		0.1	4	FRANCE. ML 1.9 (LDG).
	16	23	50	28.3	14.989	S	167.198	E	152	*	5.2	1.0	94	VANUATU ISLANDS
	16	23	50	30.2?	33.24	S	72.16	W	10	G		0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	16	23	50	35.9	50.277	N	175.998	E	33	N	5.5	0.9	292	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.1 (PMR).
	16	23	51	23.7*	42.422	N	45.710	E	33	N	4.0	1.5	18	EASTERN CAUCASUS
	17	00	01	16.9?	5.18	S	153.36	E	33	N	4.2	1.3	10	NEW IRELAND REGION, P.N.G.
a	17	00	15	50.4	5.934	S	154.213	E	14	G	6.1 6.4	1.1	296	SOLOMON ISLANDS. Mw 6.4 (HRV). Felt on Gizo and Vella Lavella. Depth from broadband displacement seismograms.
	17	00	27	24.2*	5.286	S	153.487	E	33	N	4.7	1.2	22	NEW IRELAND REGION, P.N.G.
	17	00	35	51.6*	6.171	S	153.964	E	33	N	4.5	1.4	25	NEW BRITAIN REGION, P.N.G.
	17	00	59	57.7	41.559	N	88.800	E	0	G	6.0	0.9	586	SOUTHERN XINJIANG, CHINA. Underground nuclear explosion.
	17	01	13	43.2	5.387	S	154.259	E	33	N	4.7	1.2	43	SOLOMON ISLANDS
	17	01	31	08.4&	60.067	N	152.807	W	116				28	SOUTHERN ALASKA. <AEIC>.
	17	01	59	58.4	6.007	S	154.300	E	26	D	5.4 5.6	1.1	150	SOLOMON ISLANDS
	17	02	20	55.8	6.216	S	154.542	E	36	D	4.7 5.0	1.0	55	SOLOMON ISLANDS
	17	02	42	46.0*	6.097	S	153.902	E	33	N	4.4	1.4	17	NEW BRITAIN REGION, P.N.G.
	17	02	48	31.5	6.048	S	154.061	E	33	N	4.5	1.0	29	SOLOMON ISLANDS
	17	02	56	33.9*	5.855	S	154.021	E	33	N	4.1	1.2	10	SOLOMON ISLANDS
	17	03	13	38.7*	6.025	S	153.958	E	33	N	4.3	0.7	14	NEW BRITAIN REGION, P.N.G.
	17	04	03	21.1?	5.63	S	76.10	W	33	N	4.1	1.5	11	NORTHERN PERU
	17	04	10	19.0?	5.50	S	153.33	E	33	N	4.3	0.9	10	NEW IRELAND REGION, P.N.G.
	17	04	38	14.8*	41.902	N	23.099	E	10	G		0.7	7	GREECE-BULGARIA BORDER REGION. MD 3.3 (ATH).
	17	04	43	01.4?	5.74	S	147.09	E	139	?	3.8	0.4	5	EASTERN NEW GUINEA REG., P.N.G.
	17	04	44	30.1?	32.44	S	112.00	W	10	G	4.2	1.4	13	SOUTHERN EAST PACIFIC RISE
	17	05	03	00.6*	50.447	N	176.258	E	33	N	4.1	0.8	18	RAT ISLANDS, ALEUTIAN ISLANDS
a	17	05	35	37.1	21.848	S	170.436	E	73	D	5.7	0.9	215	LOYALTY ISLANDS REGION. Mw 6.1 (HRV). Felt on New Caledonia and the Loyalty Islands.
	17	06	45	13.1&	34.258	N	116.436	W	0				30	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.8 (GS).

	17	06	57	04.8?	5.80	S	154.88	E	33	N	4.1		1.7	7	SOLOMON ISLANDS
	17	07	01	09.7*	48.743	N	154.654	E	33	N	4.1		1.0	23	KURIL ISLANDS
	17	07	08	30.3&	63.258	N	151.078	W	13					46	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.9 (PMR).
	17	07	45	57.8	6.251	S	154.082	E	33	N	4.9	4.7	1.1	55	SOLOMON ISLANDS
	17	07	47	00.9?	10.22	S	124.58	E	33	N	4.1		1.4	8	TIMOR REGION, INDONESIA
	17	07	57	58.0	5.528	S	153.771	E	33	N	4.8	4.6	0.9	43	NEW IRELAND REGION, P.N.G.
	17	08	01	37.6	6.202	S	153.857	E	33	N	4.9		0.8	43	NEW BRITAIN REGION, P.N.G.
	17	08	11	00.8	6.994	S	154.649	E	37	D	4.6		1.1	47	SOLOMON ISLANDS
	17	08	39	26.4*	6.021	S	154.152	E	33	N	4.3		0.7	13	SOLOMON ISLANDS
	17	08	51	45.6?	6.27	S	153.88	E	33	N	4.3		1.0	14	NEW BRITAIN REGION, P.N.G.
	17	09	06	40.0	2.569	S	101.946	E	62	*	4.7		1.1	75	SOUTHERN SUMATERA, INDONESIA. Felt in the Bengkulu area.
a	17	10	01	25.9	5.168	S	153.447	E	21	G	5.6	6.4	1.2	252	NEW IRELAND REGION, P.N.G. Mw 6.2 (GS), 6.4 (HRV). Me 5.9 (GS). Ms 6.5 (BRK). Mo=4.5*10**18 Nm (PPT). Two events about 1.9 seconds apart. Depth from broadband displacement seismograms, based on second event.
	17	10	15	44.9?	6.62	S	154.12	E	33	N	4.1		1.4	12	SOLOMON ISLANDS
	17	10	24	46.6	5.299	S	153.640	E	33	N	4.7		1.0	22	NEW IRELAND REGION, P.N.G.
	17	10	50	53.6?	5.98	S	154.26	E	33	N	4.1		1.2	9	SOLOMON ISLANDS
	17	10	51	34.5?	5.82	S	153.32	E	33	N	4.6		1.1	20	NEW IRELAND REGION, P.N.G.
	17	11	22	21.2*	5.828	S	153.857	E	33	N	4.6		1.1	20	NEW IRELAND REGION, P.N.G.
	17	11	29	12.1*	18.011	S	69.214	W	157	*	4.2		1.2	43	NORTHERN CHILE
	17	11	54	33.0?	5.24	S	153.51	E	33	N	4.1		1.0	8	NEW IRELAND REGION, P.N.G.
	17	12	11	28.6	11.860	S	73.426	W	26	D	5.1		0.8	77	CENTRAL PERU
	17	12	13	54.5*	5.113	S	153.219	E	33	N	4.2		0.9	13	NEW IRELAND REGION, P.N.G.
	17	12	18	46.0	5.521	S	153.383	E	33	N	4.7		0.9	45	NEW IRELAND REGION, P.N.G.
	17	12	22	21.8%	34.057	S	70.907	W	70	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
a	17	12	31	56.0	6.267	S	154.517	E	33	N	5.2	5.4	0.9	134	SOLOMON ISLANDS. Mw 5.7 (HRV).
	17	12	58	22.1	6.315	S	154.357	E	33	N	4.3		1.0	26	SOLOMON ISLANDS
	17	13	03	18.0*	6.271	S	154.551	E	33	N	4.1		0.7	15	SOLOMON ISLANDS
	17	13	04	24.0?	6.37	S	154.33	E	33	N	4.1		0.9	10	SOLOMON ISLANDS
	17	13	27	11.0*	6.343	S	154.230	E	33	N	4.0		1.0	20	SOLOMON ISLANDS
	17	13	44	29.3	6.167	S	154.264	E	33	N	4.8	4.6	1.0	45	SOLOMON ISLANDS
	17	14	01	08.7%	47.311	N	12.188	E	10	G			0.5	6	AUSTRIA. ML 1.8 (VIE).
	17	14	07	32.7	51.544	N	6.685	E	10	G			0.7	6	GERMANY. ML 2.4 (UCC).
	17	14	09	43.4	5.569	S	153.812	E	33	N	4.5		1.3	26	NEW IRELAND REGION, P.N.G.
	17	14	10	14.5	6.126	S	154.449	E	33	D	5.0		1.2	78	SOLOMON ISLANDS
	17	14	17	35.9	5.245	S	153.592	E	33	N	4.8	4.5	1.2	29	NEW IRELAND REGION, P.N.G.
	17	14	34	06.7	30.325	S	73.643	W	14	D	4.9	5.1	1.1	79	OFF COAST OF CENTRAL CHILE. MD 4.9 (SAN).
	17	14	36	17.1	47.358	N	12.208	E	10	G			0.9	8	AUSTRIA. ML 2.1 (VIE).
	17	14	45	04.8	6.021	S	154.102	E	35	D	4.9	4.6	1.1	63	SOLOMON ISLANDS
	17	15	26	14.3&	34.932	N	116.915	W	4					41	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 2.9 (GS). Felt.
	17	15	42	38.5?	4.99	S	153.30	E	33	N	4.6		0.9	17	NEW IRELAND REGION, P.N.G.
	17	15	44	21.7	45.361	N	151.581	E	33	N	5.1	4.5	1.0	183	KURIL ISLANDS
	17	15	47	15.0*	45.082	N	151.127	E	33	N	4.7		1.3	21	KURIL ISLANDS
	17	15	53	35.0?	6.23	S	153.57	E	33	N	4.0		1.3	6	NEW BRITAIN REGION, P.N.G.
	17	16	01	20.7*	49.984	N	3.792	W	10	G			0.9	25	NORTH ATLANTIC OCEAN. ML 3.6 (LDG).
	17	16	23	27.9	11.767	N	125.602	E	31	D	4.8		0.9	62	SAMAR, PHILIPPINE ISLANDS
	17	17	40	52.0?	23.36	S	178.41	W	500	G	4.1		0.7	8	SOUTH OF FIJI ISLANDS
	17	17	47	51.8?	33.85	N	76.37	E	33	N	4.1		0.5	7	KASHMIR-INDIA BORDER REGION
	17	17	56	45.4	6.400	S	154.237	E	33	N	4.3		0.9	24	SOLOMON ISLANDS
a	17	18	03	02.7	5.009	S	153.649	E	36	D	5.2	4.8	0.8	108	NEW IRELAND REGION, P.N.G. Mw 5.4 (HRV).
a	17	18	09	57.9	6.079	S	154.394	E	22	G	5.4	5.5	1.1	147	SOLOMON ISLANDS. Mw 5.6 (GS), 5.8 (HRV). Ms 5.6 (BRK). Depth from broadband displacement seismograms.
	17	18	09	58.7	38.961	N	48.908	E	74	*	4.5		1.1	29	ARMENIA-AZERBAIJAN-IRAN BORD REG
	17	18	31	04.1*	6.289	S	153.787	E	33	N	4.5		1.3	23	NEW BRITAIN REGION, P.N.G.
	17	18	38	56.5	56.970	N	143.309	W	10	G			0.6	31	GULF OF ALASKA. ML 2.7 (AEIC).
	17	18	48	36.9	6.208	S	154.583	E	17	D	4.7		0.8	41	SOLOMON ISLANDS
	17	18	54	32.9	23.178	S	70.489	W	33	N	4.9		1.1	50	NEAR COAST OF NORTHERN CHILE
	17	19	16	37.8*	5.710	S	154.352	E	33	N			0.5	11	SOLOMON ISLANDS
	17	19	41	11.5*	6.047	S	154.336	E	33	N	4.1		1.5	13	SOLOMON ISLANDS
	17	19	52	48.3	5.835	S	154.157	E	27	D	4.1		0.6	21	SOLOMON ISLANDS
	17	20	18	05.6?	40.63	N	142.26	E	33	N	4.3		1.1	12	NEAR EAST COAST OF HONSHU, JAPAN
	17	20	26	22.6*	39.041	N	71.334	E	33	N	4.1		1.3	20	TAJIKISTAN
	17	20	39	07.8?	4.15	S	153.72	E	33	N	4.3		0.7	15	NEW IRELAND REGION, P.N.G.
	17	21	18	44.3*	6.119	S	153.697	E	33	N	4.7		1.2	32	NEW BRITAIN REGION, P.N.G.
	17	21	22	06.3	24.182	N	125.177	E	33	N	4.3		1.3	29	SOUTHWESTERN RYUKYU ISLANDS
	17	21	29	26.4	57.283	N	150.445	W	10	G	3.6		0.7	93	GULF OF ALASKA. ML 3.9 (AEIC), 3.8 (PMR).
	17	22	25	41.6*	46.532	N	13.060	E	10	G			1.4	6	AUSTRIA. MD 2.6 (LJU). ML 2.2 (VIE).
a	17	22	39	59.0&	35.776	N	117.662	W	6		5.3	5.2		296	CENTRAL CALIFORNIA. <PAS-P>. Mw 5.4 (HRV). ML 5.4 (PAS). Mo=1.1*10**17 Nm (BRK). Slight damage in the Ridgecrest area. Felt (V) at Cantil, China Lake, Inyokern, Johannesburg, Onyx and Randsburg; (IV) at Bakersfield, Darwin, Hinkley, Kernville, Porterville, Tecopa and Tehachapi. Felt from the Los Angeles area north to Bishop and Fresno. Felt east as far as Las Vegas, Nevada.
	17	22	41	10.4&	35.790	N	117.679	W	6	G				2	CENTRAL CALIFORNIA. <PAS-P>. ML 4.2 (PAS).
	17	22	41	11.5*	6.153	S	154.016	E	33	N	4.1		1.0	20	SOLOMON ISLANDS
	17	22	43	30.9&	35.784	N	117.664	W	6					20	CENTRAL CALIFORNIA. <PAS-P>. ML 3.9 (PAS), 3.8 (GS).
	17	22	49	04.9&	35.787	N	117.675	W	6	G				7	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	17	22	49	27.0&	35.781	N	117.679	W	11					29	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.0 (GS).
a	17	23	14	19.0	36.443	N	71.129	E	234	G	5.5		0.9	489	AFGHANISTAN-TAJIKISTAN BORD REG. Mw 5.6 (GS), 5.6 (HRV). Depth from broadband displacement seismograms.
	17	23	18	50.8*	36.102	N	89.409	W	5	G			0.6	5	NEW MADRID, MISSOURI REGION. mbLg 3.1 (GS). Felt at Dyersburg, Tennessee and Steele, Missouri.
	17	23	18	57.1*	5.426	S	152.825	E	33	N	4.6		1.0	27	NEW BRITAIN REGION, P.N.G.
	17	23	24	59.4	9.238	N	58.025	E	10	G	4.9	4.8	0.7	50	CARLSBERG RIDGE
	17	23	33	27.5&	35.764	N	117.661	W	10					60	CENTRAL CALIFORNIA. <PAS-P>. ML 3.6 (PAS), 3.5 (GS).
	17	23	36	31.7&	35.777	N	117.674	W	11					36	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.1 (GS).
a	17	23	39	22.0	9.048	N	58.115	E	10	G	5.0	4.8	1.1	104	CARLSBERG RIDGE. Mw 5.4 (HRV).
	17	23	43	29.6&	35.782	N	117.674	W	10					14	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.7 (GS).

	17	23	46	52.2&	35.803	N	117.678	W	4				13	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.7 (GS).
	17	23	47	57.9*	9.332	N	58.057	E	10	G	4.4	0.6	20	CARLSBERG RIDGE
	17	23	59	22.4&	35.781	N	117.659	W	8				16	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	18	00	05	26.3*	7.660	S	108.611	E	117	*	4.5	1.2	22	JAWA, INDONESIA
	18	00	24	44.5*	5.565	S	153.664	E	33	N	4.8 4.5	1.1	44	NEW IRELAND REGION, P.N.G.
	18	00	28	13.0*	5.657	S	153.686	E	33	N	4.6 4.5	1.2	26	NEW IRELAND REGION, P.N.G.
	18	00	29	30.2&	35.771	N	117.655	W	9				11	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.7 (GS).
	18	00	52	26.6	37.754	N	29.462	E	29		4.8 4.4	1.4	236	TURKEY. ML 4.6 (THE). MD 4.5 (HLW). At least 100 houses damaged or destroyed in the Honaz area. Felt at Aydin, Denizli and Mugla.
	18	01	40	14.9%	33.834	S	70.342	W	110	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
	18	01	42	43.6	27.982	S	68.860	W	96	*	4.2	1.2	32	CHILE-ARGENTINA BORDER REGION
	18	01	51	32.6*	15.281	S	173.486	W	33	N	4.4 4.7	0.9	21	TONGA ISLANDS
	18	01	56	16.5&	35.790	N	117.664	W	8				49	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.2 (GS).
a	18	01	57	18.5	13.198	N	145.179	E	71		5.3	1.0	191	MARIANA ISLANDS. Mw 5.3 (HRV). Felt (V) at Mangilao and (IV) at Agana, Dededo, Tamuning, Yigo and Yona, Guam.
	18	02	04	42.4?	2.06	S	126.70	E	33	N	4.5	0.5	7	CERAM SEA
	18	02	11	28.7&	35.771	N	117.668	W	9				10	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.5 (GS).
	18	02	13	55.7?	29.07	N	129.38	E	33	N	4.2	1.2	15	RYUKYU ISLANDS
a	18	02	16	25.9	55.934	S	28.832	W	42	G	5.7 5.8	1.3	211	SOUTH SANDWICH ISLANDS REGION. Mw 6.2 (GS), 6.2 (HRV). Me 6.2 (GS). Ms 5.7 (BRK). Depth from broadband displacement seismograms.
	18	02	20	35.9	55.656	S	28.659	W	33	N	5.6	1.1	44	SOUTH SANDWICH ISLANDS REGION
	18	02	30	19.9	6.149	S	154.138	E	33	N	4.9	1.1	55	SOLOMON ISLANDS
	18	02	33	04.2&	35.784	N	117.665	W	8				62	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.4 (BRK), 3.3 (GS).
	18	03	13	42.6&	35.784	N	117.667	W	8				14	CENTRAL CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.7 (GS).
	18	03	22	38.6&	35.783	N	117.663	W	8				53	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.1 (GS).
	18	03	39	03.3	46.029	N	143.021	E	338		4.3	0.9	81	SAKHALIN ISLAND
	18	03	51	17.5&	35.770	N	117.654	W	6				64	CENTRAL CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.6 (BRK), 3.4 (GS).
	18	03	51	55.0*	9.528	S	124.849	E	33	N	3.9	1.3	9	TIMOR REGION, INDONESIA
	18	03	52	17.8*	44.864	N	17.744	E	10	G		1.0	8	NORTHWESTERN BALKAN REGION
	18	04	19	23.3?	32.09	S	71.20	W	70	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	18	04	24	36.6*	41.542	N	48.672	E	61	*	4.3	1.3	25	EASTERN CAUCASUS
	18	04	54	44.3&	35.773	N	117.666	W	10				14	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.7 (GS).
	18	05	03	06.3&	35.787	N	117.657	W	6				65	CENTRAL CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.5 (BRK), 3.4 (GS).
	18	05	13	13.0?	7.01	S	153.99	E	33	N	4.0	1.5	12	NEW BRITAIN REGION, P.N.G.
	18	05	23	09.2	17.113	S	168.242	E	204	D	4.8	1.1	149	VANUATU ISLANDS
	18	05	35	51.0&	35.782	N	117.673	W	10				49	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.0 (GS).
	18	05	41	32.7	44.368	N	10.181	E	11			1.1	27	NORTHERN ITALY. ML 3.1 (LDG), 2.9 (GEN).
	18	05	44	48.9	37.802	N	29.517	E	10	G	4.2	1.0	111	TURKEY. Felt in the Honaz area.
	18	06	36	55.5*	24.250	S	70.367	W	30	D	4.4	1.2	37	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasta.
	18	06	42	58.6?	5.29	S	145.92	E	155	*	3.9	1.1	12	EASTERN NEW GUINEA REG., P.N.G.
	18	06	50	49.9&	35.784	N	117.673	W	9				14	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.8 (GS).
	18	07	23	43.9*	5.214	S	153.521	E	33	N	4.2	0.9	17	NEW IRELAND REGION, P.N.G.
	18	07	30	18.1%	33.240	S	71.405	W	50	G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	18	07	32	31.3	33.612	S	68.644	W	10	G		0.9	17	MENDOZA PROVINCE, ARGENTINA. MD 3.7 (SAN).
	18	07	42	27.7?	4.12	S	130.64	E	33	N	4.3	0.8	10	BANDA SEA
	18	08	30	44.7	17.421	N	145.551	E	210	D	4.8	1.1	165	MARIANA ISLANDS
	18	08	35	17.0	36.862	N	141.710	E	34	D	4.4 4.5	1.1	40	NEAR EAST COAST OF HONSHU, JAPAN
	18	08	35	56.6*	15.180	N	104.987	W	33	N	4.1	1.2	18	OFF COAST OF MICHOACAN, MEXICO
	18	09	15	58.0&	35.789	N	117.644	W	6				13	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.7 (GS).
a	18	09	18	07.5	53.580	N	163.642	W	33	N	5.1 5.0	1.2	245	UNIMAK ISLAND REGION. Mw 5.4 (HRV).
	18	09	24	40.1*	54.085	N	164.089	W	33	N	4.1	1.1	15	UNIMAK ISLAND REGION
	18	10	02	37.9&	60.298	N	152.539	W	81				48	SOUTHERN ALASKA. <AEIC>.
	18	10	19	39.5*	5.622	S	153.483	E	33	N	4.2	1.1	14	NEW IRELAND REGION, P.N.G.
	18	10	29	32.0?	35.56	N	25.56	E	10	G		0.3	4	CRETE. MD 3.4 (ATH).
	18	10	44	23.4?	5.35	S	134.46	E	33	N	3.9	0.9	6	ARU ISLANDS REGION, INDONESIA
	18	10	58	06.8	53.621	N	163.611	W	33	N	4.2	1.1	21	UNIMAK ISLAND REGION. ML 4.3 (PMR).
	18	10	58	24.2?	37.32	N	3.82	W	10	G		0.1	4	SPAIN. mbLg 2.0 (MDD).
	18	11	13	39.3*	5.854	S	153.175	E	33	N	4.3	1.0	13	NEW IRELAND REGION, P.N.G.
	18	11	22	57.6?	4.44	S	153.69	E	33	N	4.3	0.6	11	NEW IRELAND REGION, P.N.G.
	18	11	25	35.1*	22.985	S	170.727	E	33	N	4.7	1.2	20	LOYALTY ISLANDS REGION
	18	11	48	04.7*	31.756	S	70.529	W	100	G		0.3	12	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	18	11	55	48.8?	5.83	S	153.53	E	33	N	3.9	1.3	6	NEW IRELAND REGION, P.N.G.
	18	12	13	54.3	17.729	S	178.734	W	540	*	4.3	0.7	24	FIJI ISLANDS REGION
	18	12	13	56.8&	35.774	N	117.667	W	9				30	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.9 (GS).
	18	13	17	00.2*	5.203	S	153.435	E	33	N	4.3	0.7	15	NEW IRELAND REGION, P.N.G.
	18	13	26	32.3	61.767	N	3.937	E	10	G		1.2	17	NORWEGIAN SEA. ML 3.2 (BGS). MD 3.0 (BER).
	18	13	37	39.6?	5.34	S	153.71	E	33	N		0.2	5	NEW IRELAND REGION, P.N.G.
	18	13	44	19.7?	5.37	S	154.97	E	33	N	4.4	1.4	13	SOLOMON ISLANDS
	18	13	45	51.7*	1.878	N	125.966	E	33	N	4.3	1.3	20	NORTHERN MOLUCCA SEA
	18	13	55	45.8&	61.799	N	149.917	W	40				48	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.5 (PMR).
	18	14	04	38.8?	5.07	S	153.52	E	33	N	3.8	0.9	6	NEW IRELAND REGION, P.N.G.
	18	15	11	08.0	32.846	S	71.038	W	50	G		0.7	16	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN). Felt at Valparaiso.
	18	16	24	19.4	6.507	S	153.521	E	33	N	4.2	0.9	23	NEW BRITAIN REGION, P.N.G.
	18	16	30	00.1&	61.849	N	148.438	W	32				64	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.6 (PMR).
	18	17	17	38.6%	31.246	S	117.478	E	10	G		0.9	5	WESTERN AUSTRALIA
	18	17	23	46.2?	7.35	S	130.38	E	33	N	4.2	1.3	11	TANIMBAR ISLANDS REG., INDONESIA
	18	17	32	01.3*	6.161	S	154.194	E	33	N	3.9	1.2	13	SOLOMON ISLANDS
	18	18	39	21.6*	6.114	S	153.862	E	33	N	4.1	0.7	11	NEW BRITAIN REGION, P.N.G.
a	18	19	07	36.9	18.820	N	145.271	E	585		5.0	0.9	212	MARIANA ISLANDS. Mw 5.3 (HRV).
	18	19	11	23.6&	35.754	N	117.656	W	6				14	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.8 (GS).
	18	19	44	49.9*	23.856	S	70.674	W	33	N	4.5	1.1	31	NEAR COAST OF NORTHERN CHILE
	18	19	45	52.5	18.212	S	178.555	W	637	D	4.7	1.0	159	FIJI ISLANDS REGION
	18	20	04	25.2*	0.637	N	121.440	E	88	*	4.3	1.1	30	MINAHASSA PENINSULA, SULAWESI
	18	20	13	29.4%	42.807	N	19.089	E	10	G		0.5	8	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
a	18	20	17	25.3	6.609	S	154.680	E	33	N	4.8 4.9	1.2	96	SOLOMON ISLANDS. Mw 5.4 (HRV). Ms 4.9 (BRK).
	18	22	48	47.1?	10.48	N	62.45	W	100	G		0.5	5	NEAR COAST OF VENEZUELA. MD 3.4 (TRN).

	18	23	01	31.2?	21.57	N	99.37	E	33	N	3.9	0.9	14	MYANMAR-CHINA BORDER REGION
	18	23	18	04.6?	4.81	S	154.01	E	33	N	4.2	1.1	18	SOLOMON ISLANDS
	18	23	23	42.6?	34.54	S	71.14	W	70	G		0.5	7	NEAR COAST OF CENTRAL CHILE
	18	23	36	46.6%	31.267	S	117.457	E	10	G		1.2	5	WESTERN AUSTRALIA
	19	00	27	26.9*	54.091	S	140.810	E	10	G	4.1	0.9	12	WEST OF MACQUARIE ISLAND
	19	01	37	27.7?	43.76	N	146.62	E	33	N	4.2	0.5	7	KURIL ISLANDS
	19	02	17	18.2?	5.43	S	154.26	E	33	N	3.9	1.5	10	SOLOMON ISLANDS
	19	02	41	28.0*	6.060	S	153.639	E	33	N	4.1	1.4	13	NEW BRITAIN REGION, P.N.G.
	19	02	47	09.7?	22.83	S	169.39	E	121	*	4.1	0.9	12	LOYALTY ISLANDS REGION
	19	03	54	22.9&	35.751	N	117.647	W	5				26	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.8 (GS)
	19	04	01	26.8&	33.404	N	116.433	W	13				30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	19	04	17	48.1	51.493	N	6.363	E	10	G		1.3	10	GERMANY. ML 2.6 (DBN), 2.5 (UCC).
	19	04	21	13.7*	43.338	N	46.253	E	98	*	4.1	1.2	26	EASTERN CAUCASUS
	19	04	41	14.5*	5.331	S	153.731	E	33	N	4.3	1.1	13	NEW IRELAND REGION, P.N.G.
a	19	05	56	22.5	5.032	S	153.464	E	33	N	5.2 5.1	0.9	160	NEW IRELAND REGION, P.N.G. Mw 5.4 (HRV). Ms 5.2 (BRK).
	19	06	09	04.6&	61.223	N	149.476	W	38				35	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	19	06	14	24.8	35.507	N	87.358	E	33	N	4.4	1.4	57	XIZANG
	19	08	36	56.6&	60.998	N	150.116	W	37				61	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC), 2.8 (PMR).
	19	09	05	26.6*	31.895	S	70.685	W	100	G		0.3	13	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	19	09	17	08.2*	31.556	S	70.194	W	120	G		0.5	12	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	19	09	48	26.5	6.223	S	154.102	E	33	N	4.7 4.5	1.0	30	SOLOMON ISLANDS
	19	10	07	01.1%	45.440	N	6.333	E	5	G		0.2	5	FRANCE. ML 2.3 (LDG).
	19	10	27	24.8%	44.452	N	7.252	E	10	G		0.4	7	NORTHERN ITALY. ML 2.2 (GEN).
	19	11	19	01.4?	6.19	S	154.06	E	33	N	4.1	1.4	11	SOLOMON ISLANDS
	19	11	44	35.2	51.227	N	178.044	W	33	N	4.3	1.3	47	ANDREANOF ISLANDS, ALEUTIAN IS.
	19	12	11	37.5&	35.779	N	117.650	W	6				59	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.1 (GS).
	19	13	28	03.3*	5.554	S	153.607	E	33	N	4.5	0.7	18	NEW IRELAND REGION, P.N.G.
	19	14	13	28.3?	17.68	N	65.84	W	10	G		0.6	8	PUERTO RICO REGION. MD 2.7 (MPR).
	19	14	32	11.5?	36.79	N	3.03	W	5	G		0.1	4	STRAIT OF GIBRALTAR. *mbLg* 2.3 (MDD).
	19	14	41	18.5&	63.583	N	147.740	W	4				53	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.3 (PMR).
	19	14	43	19.2&	60.277	N	146.467	W	0	G			21	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	19	15	05	24.0*	38.534	N	22.084	E	5	G		1.0	11	GREECE. ML 3.3 (ATH).
	19	15	21	16.4&	63.240	N	151.018	W	8				10	CENTRAL ALASKA. <AEIC>. ML 2.3 (AEIC), 2.8 (PMR).
	19	17	55	09.0?	8.72	S	118.43	E	116	?	4.5	0.1	7	SUMBAWA REGION, INDONESIA
	19	18	08	32.5	53.556	N	163.690	W	33	N	4.7 4.1	1.1	107	UNIMAK ISLAND REGION. ML 4.6 (PMR).
	19	18	23	54.7	17.797	S	178.721	W	558		4.4	1.1	82	FIJI ISLANDS REGION
	19	18	50	57.9*	6.348	S	154.346	E	33	N	4.1	1.0	18	SOLOMON ISLANDS
	19	19	41	55.8*	27.676	N	127.654	E	33	N	4.4	1.6	10	RYUKYU ISLANDS
	19	19	57	15.4	40.343	N	29.644	E	33	N	4.1	1.3	69	TURKEY
	19	20	28	09.0	42.218	N	70.517	E	29	D	4.7 4.2	1.3	121	CENTRAL KAZAKHSTAN. ML 4.6 (BJI).
a	19	21	28	22.1*	4.960	S	153.755	E	88	D	5.6	1.1	231	NEW IRELAND REGION, P.N.G. Mw 5.9 (HRV).
a	19	21	43	31.9	5.139	N	75.577	W	120	G	6.2	1.0	621	COLOMBIA. Mw 6.5 (GS), 6.6 (HRV). Me 6.3 (GS). mb 6.7 (BRK). Some damage and power outages in the epicentral area. Felt at Bogota, Manizales, Medellin and Pereira. Also felt in central Colombia. Depth from broadband displacement seismograms.
	19	22	03	28.6	50.792	N	170.464	W	33	N	4.7	1.3	80	SOUTH OF ALEUTIAN ISLANDS. ML 4.8 (PMR).
	19	23	00	43.1%	33.705	S	71.445	W	50	G		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	20	01	17	29.1	44.095	N	11.786	E	10	G		1.3	25	NORTHERN ITALY. ML 3.2 (LDG). MD 2.6 (FIR).
	20	01	20	29.1*	30.619	S	178.108	W	33	N	4.7	1.4	28	KERMADEC ISLANDS, NEW ZEALAND
	20	01	43	49.2?	45.19	N	28.14	E	33	N	3.7	1.5	19	UKRAINE-MOLDOVA-SW RUSSIA REGION
	20	02	48	05.8	43.229	N	0.612	W	5	G		1.5	10	PYRENEES. mbLg 2.6 (MDD). ML 2.5 (LDG).
	20	03	09	05.1*	23.249	S	70.474	W	33	N	4.6	1.1	42	NEAR COAST OF NORTHERN CHILE
	20	03	29	32.0*	5.519	S	153.135	E	26	D	4.8 4.9	1.3	55	NEW IRELAND REGION, P.N.G. Ms 4.9 (BRK).
	20	03	39	07.3*	51.630	N	16.186	E	10	G		0.8	27	POLAND. ML 4.1 (GRF), 3.9 (VIE), 3.5 (MOX).
	20	03	53	27.7	6.151	S	154.150	E	33	N	5.0 4.6	1.1	73	SOLOMON ISLANDS
	20	04	53	47.3*	51.700	N	16.140	E	10	G		0.8	10	POLAND. MG 2.7 (WAR).
	20	05	04	41.6?	41.57	N	20.40	E	10	G		1.2	10	ALBANIA. ML 2.2 (TTG).
a	20	05	19	59.4	5.605	S	153.012	E	33	N	4.9 5.0	1.1	94	NEW IRELAND REGION, P.N.G. Mw 5.5 (HRV).
	20	06	06	57.1*	4.940	S	153.252	E	29	D	4.8 4.7	1.0	67	NEW IRELAND REGION, P.N.G.
	20	07	05	27.1*	4.796	S	153.304	E	33	N	4.5	0.8	21	NEW IRELAND REGION, P.N.G.
	20	07	20	42.0*	27.814	N	127.626	E	38	D	4.4 4.0	1.7	18	RYUKYU ISLANDS
	20	07	23	14.9*	72.138	N	1.072	E	10	G	3.3	1.4	8	NORWEGIAN SEA
	20	08	35	16.7	6.038	S	131.585	E	18	D	4.8	1.0	64	TANIMBAR ISLANDS REG., INDONESIA
	20	09	20	55.9	38.661	N	26.786	E	10	G	4.0	1.2	80	AEGEAN SEA. ML 4.3 (ATH). Felt on Khios, Greece.
	20	09	24	57.6*	24.622	N	122.035	E	33	N	4.2	1.4	23	TAIWAN REGION
	20	10	22	10.7?	5.77	S	153.58	E	33	N		1.3	11	NEW IRELAND REGION, P.N.G.
	20	10	34	08.9%	43.915	N	7.507	E	5	G		0.3	5	NEAR SOUTH COAST OF FRANCE. ML 1.6 (GEN).
	20	10	38	33.0*	25.656	S	176.298	W	33	N	4.1	0.6	10	SOUTH OF FIJI ISLANDS
	20	11	16	17.3*	6.099	S	154.251	E	33	N	3.9	1.0	13	SOLOMON ISLANDS
	20	11	20	46.1*	6.234	S	153.677	E	33	N	4.4	1.3	17	NEW BRITAIN REGION, P.N.G.
	20	11	27	46.8%	32.961	S	70.369	W	100	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	20	12	00	30.8*	6.568	S	154.560	E	33	N	4.3	0.9	13	SOLOMON ISLANDS
	20	12	00	49.8*	12.162	N	44.187	E	10	G	4.5 4.4	1.3	51	WESTERN ARABIAN PENINSULA
	20	12	19	34.6	36.616	N	5.794	E	10	G	3.7	1.3	36	NORTHERN ALGERIA. mbLg 4.1 (MDD).
	20	12	38	18.2*	7.950	S	107.622	E	78	*	4.4	1.2	26	JAWA, INDONESIA. Felt (III) at Bandung.
	20	13	27	47.9%	30.803	S	117.054	E	10	G		0.7	5	WESTERN AUSTRALIA
	20	14	02	16.6*	5.298	S	153.645	E	33	N	4.0	1.5	13	NEW IRELAND REGION, P.N.G.
	20	14	02	19.2?	17.65	N	65.94	W	5	G		0.7	8	PUERTO RICO REGION. MD 2.8 (MPR).
	20	14	15	31.1?	16.78	N	60.98	W	33	N		0.4	14	LEEWARD ISLANDS. ML 3.4 (FDF).
	20	14	58	13.0*	23.506	S	179.866	E	550	G	4.0	0.7	15	SOUTH OF FIJI ISLANDS
	20	15	16	29.1?	38.71	N	26.83	E	10	G		0.4	4	AEGEAN SEA. MD 3.1 (ATH).
	20	15	24	41.0*	14.191	S	167.082	E	176	?	4.1	1.2	40	VANUATU ISLANDS
	20	16	15	26.0&	45.410	N	73.280	W	18	G			6	SOUTHERN QUEBEC, CANADA. <OTT-P>. mbLg 3.3 (OTT), 2.8 (GS). Felt at Boucherville and Longueuil.
	20	16	23	39.0&	33.404	N	116.438	W	12				27	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.7 (GS).
	20	16	34	10.2*	5.391	S	153.641	E	33	N	4.3	1.0	21	NEW IRELAND REGION, P.N.G.
	20	17	22	36.6*	8.292	S	117.765	E	33	N	4.2	1.3	17	SUMBAWA REGION, INDONESIA
	20	17	57	32.5%	33.707	S	70.455	W	10	G		0.7	10	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
	20	18	34	34.2	12.497	N	144.204	E	33	N	4.6 4.1	1.1	29	SOUTH OF MARIANA ISLANDS
	20	18	46	01.0?	34.16	S	72.30	W	5	G		0.9	18	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
	20	18	48	26.0	8.916	N	126.549	E	33	N	4.4	0.9	40	MINDANAO, PHILIPPINE ISLANDS

	20	18	53	11.0*	40.287	N	21.757	E	10	G	3.7		1.6	40	GREECE. ML 3.8 (ATH), 3.6 (THE), 3.6 (TTG). Felt at Edhessa, Grevena, Kastoria, Kozani and Ptolemais.
	20	18	58	51.1	42.419	N	18.555	E	5	G			0.6	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	20	19	21	22.6	40.234	N	21.814	E	10	G	4.4		1.4	110	GREECE. ML 4.2 (ATH), 4.0 (THE). MD 4.2 (TTG). Felt strongly at Kozani. Felt at Edhessa, Grevena, Kastoria and Ptolemais. Also felt (III) at Bitola, former Yugoslav Republic of Macedonia.
	20	19	23	26.9	6.473	S	154.633	E	33	N	4.5		0.8	31	SOLOMON ISLANDS
	20	19	25	47.0	5.040	S	153.335	E	33	N	4.9	4.4	1.0	57	NEW IRELAND REGION, P.N.G.
	20	19	27	51.1	40.291	N	21.800	E	10	G	4.2		1.5	53	GREECE. ML 3.9 (ATH), 3.9 (TTG), 3.6 (THE). Felt at Edhessa, Grevena, Kastoria, Kozani and Ptolemais.
	20	19	31	46.8*	40.314	N	22.170	E	10	G	3.5		1.2	7	GREECE. MD 3.0 (ATH).
	20	19	33	02.0	40.192	N	21.865	E	10	G	3.6		0.6	9	GREECE. MD 3.2 (ATH).
	20	19	43	55.7	16.384	S	73.562	W	79		4.4		1.1	33	NEAR COAST OF PERU. Felt (II) at Arequipa.
	20	19	57	56.9?	12.31	S	122.57	E	33	N	4.1		1.2	9	SOUTH OF TIMOR, INDONESIA
	20	20	05	52.3*	5.992	S	154.542	E	33	N	4.1		1.1	14	SOLOMON ISLANDS
	20	20	12	08.8*	37.726	N	29.451	E	10	G	3.6		0.9	24	TURKEY
	20	20	46	49.2	43.616	N	7.826	E	10	G			0.5	12	NEAR SOUTH COAST OF FRANCE. ML 2.3 (GEN), 1.6 (LDG).
	20	21	13	02.1?	6.34	S	147.13	E	33	N	4.1		1.7	8	EASTERN NEW GUINEA REG., P.N.G. ML 4.5 (PMG).
	20	21	20	27.1*	4.856	S	153.283	E	33	N	4.4		1.1	18	NEW IRELAND REGION, P.N.G.
	20	21	28	42.1*	31.646	S	69.817	W	130	G			0.6	12	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
	20	22	04	38.7*	9.178	S	121.551	E	57	*	4.6		0.8	21	SAVU SEA
	20	22	40	18.8?	40.60	N	23.56	E	5	G			0.1	4	GREECE. MD 3.2 (ATH).
	20	23	45	32.0?	2.12	N	126.96	E	33	N	4.0		0.6	6	NORTHERN MOLUCCA SEA
	21	00	12	39.2?	9.94	S	154.95	E	33	N	3.8		0.8	7	D'ENTRECASTEAUX ISLANDS REGION
	21	00	31	22.1	18.046	N	66.440	W	10	G			0.7	9	PUERTO RICO REGION. MD 2.4 (MPR).
	21	00	51	43.6?	20.10	N	145.65	E	101	?	4.0		0.7	11	MARIANA ISLANDS
	21	00	59	47.0*	31.542	S	68.629	W	101	?			0.4	8	SAN JUAN PROVINCE, ARGENTINA
	21	01	00	39.5*	31.408	S	68.555	W	33	N			0.5	5	SAN JUAN PROVINCE, ARGENTINA
	21	01	41	13.8?	10.38	N	60.78	W	60	G			1.3	4	TRINIDAD
	21	01	56	39.5	40.202	N	21.858	E	5	G			1.4	6	GREECE. MD 3.0 (ATH).
	21	02	07	13.7*	37.146	N	70.421	E	33	N	4.1		0.5	5	AFGHANISTAN-TAJIKISTAN BORD REG.
	21	02	25	15.0	19.697	N	146.140	E	33	N	4.7		0.9	34	MARIANA ISLANDS REGION
	21	02	50	28.6?	45.10	N	6.40	E	5	G			0.1	5	FRANCE. ML 2.5 (GEN).
	21	02	55	22.1?	13.75	N	144.91	E	147		3.9		1.2	12	MARIANA ISLANDS
	21	03	07	17.2&	35.786	N	117.665	W	8					20	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	21	03	21	42.3?	11.11	N	61.84	W	60	G			0.5	4	WINDWARD ISLANDS
	21	03	34	38.4&	43.314	N	19.266	E	10	G			0.4	8	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	21	03	58	52.1*	44.684	N	148.632	E	33	N	3.8		0.6	12	KURIL ISLANDS
	21	04	27	25.0*	7.143	S	146.773	E	10	G	3.9		1.1	5	EASTERN NEW GUINEA REG., P.N.G.
	21	04	35	38.2*	6.199	S	153.900	E	33	N	4.3		0.9	14	NEW BRITAIN REGION, P.N.G.
	21	05	54	51.0&	31.339	S	68.581	W	88	?			0.2	7	SAN JUAN PROVINCE, ARGENTINA
	21	06	40	52.1	0.240	S	121.979	E	293		4.7		0.9	77	MINAHASSA PENINSULA, SULAWESI
	21	07	46	08.6	24.830	N	45.882	W	23	D	4.8	4.6	0.8	149	NORTHERN MID-ATLANTIC RIDGE. Ms 4.7 (BRK).
	21	08	05	53.2*	15.920	S	174.022	W	57	*	4.6		1.0	50	TONGA ISLANDS
	21	08	42	51.8?	31.45	S	68.84	W	100	G			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	21	08	53	09.4	43.216	N	8.037	E	10	G			0.5	9	CORSICA. ML 2.1 (LDG).
	21	08	54	04.4	42.469	N	126.691	W	10	G			0.7	56	OFF COAST OF OREGON
	21	08	56	14.8?	10.66	N	86.29	W	33	N	4.3		1.1	20	OFF COAST OF COSTA RICA
	21	09	23	43.9	34.031	S	70.177	W	5	G			1.2	15	CHILE-ARGENTINA BORDER REGION. MD 4.4 (SAN).
	21	10	23	56.1?	31.20	S	68.65	W	100	G			0.4	5	SAN JUAN PROVINCE, ARGENTINA
	21	10	37	19.1*	9.837	S	118.940	E	77	?	3.9		1.2	10	SUMBAWA REGION, INDONESIA
	21	11	03	34.0	51.628	N	16.393	E	10	G			0.9	16	POLAND. MG 2.8 (WAR).
	21	11	04	35.8*	5.532	S	147.344	E	189		4.4		1.0	10	EASTERN NEW GUINEA REG., P.N.G.
	21	12	11	31.4?	31.34	S	69.50	W	120	G			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	21	13	30	09.0*	58.278	S	25.192	W	33	N	4.4	4.1	1.2	15	SOUTH SANDWICH ISLANDS REGION
	21	13	37	57.5*	1.013	N	98.814	E	113	*	4.3		1.0	21	NORTHERN SUMATERA, INDONESIA
	21	15	33	14.2*	32.355	S	71.638	W	10	G			0.5	11	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	21	15	40	31.2*	34.197	S	178.253	W	10	G	4.4		0.7	9	SOUTH OF KERMADEC ISLANDS
	21	16	21	16.7?	22.90	S	170.03	E	33	N	4.8		1.3	15	LOYALTY ISLANDS REGION
	21	17	52	06.3*	24.985	N	95.237	E	115	?	3.8		0.6	11	MYANMAR
	21	17	54	57.7	42.532	N	1.770	E	10	G			0.7	14	PYRENEES. ML 3.3 (LDG). mbLg 3.1 (MDD).
	21	18	11	27.2	18.763	S	177.787	W	622	*	4.3		0.9	85	FIJI ISLANDS REGION
	21	18	20	29.3?	30.20	S	71.24	W	192	?			0.6	11	NEAR COAST OF CENTRAL CHILE
	21	18	43	49.6*	17.413	N	145.657	E	112		4.3		1.0	19	MARIANA ISLANDS
	21	19	14	37.8&	61.495	N	146.606	W	12					48	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	21	19	32	16.9*	45.764	N	6.029	E	10	G			1.1	7	FRANCE. ML 2.2 (LDG).
	21	19	47	13.5?	32.77	S	71.85	W	33	N			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	21	21	02	30.2?	3.11	S	128.10	E	33	N	4.0		0.8	7	SERAM, INDONESIA
	21	21	18	03.1*	36.554	N	71.215	E	225	?	3.7		0.6	17	AFGHANISTAN-TAJIKISTAN BORD REG.
	21	22	07	04.5*	4.694	S	142.157	E	70	*	4.2		0.6	9	NEW GUINEA, PAPUA NEW GUINEA
a	21	22	08	57.6	3.482	S	152.514	E	33	N	4.9	4.4	1.0	62	NEW IRELAND REGION, P.N.G. Mw 4.9 (HRV).
	21	22	27	10.0*	18.150	S	168.635	E	143	*	4.4		1.0	19	VANUATU ISLANDS
a	21	22	33	26.3	6.148	S	153.969	E	42	*	5.2	5.1	1.1	107	NEW BRITAIN REGION, P.N.G. Mw 5.6 (HRV).
	21	22	41	45.8	6.137	S	153.915	E	62	*	4.9		1.0	84	NEW BRITAIN REGION, P.N.G.
	21	22	46	08.6&	45.774	N	2.686	E	5	G			0.7	12	FRANCE. ML 2.4 (LDG).
	21	23	09	35.7	16.873	S	72.802	W	51		4.7		0.6	40	NEAR COAST OF PERU. Felt (II) at Arequipa.
	21	23	14	12.3*	6.197	S	154.234	E	33	N	4.3		1.1	16	SOLOMON ISLANDS
	21	23	47	37.4	31.523	S	68.568	W	123				1.0	32	SAN JUAN PROVINCE, ARGENTINA. MD 4.6 (SAN).
	22	00	03	53.5	57.399	N	142.857	W	10	G			0.9	71	GULF OF ALASKA. ML 3.7 (AEIC), 3.6 (PMR).
	22	00	21	26.4*	41.207	S	173.795	E	80	D	4.7		1.0	14	SOUTH ISLAND, NEW ZEALAND. Felt in the northern part of the South Island.
	22	00	46	53.3	30.257	N	97.203	E	33	N	4.2		1.2	28	XIZANG
	22	00	51	57.2?	8.16	S	119.21	E	56	?	3.6		1.5	10	FLORES REGION, INDONESIA
	22	00	58	46.1	40.216	N	21.915	E	10		3.5		1.2	16	GREECE. MD 3.3 (ATH). ML 3.2 (TIR).
	22	01	19	24.8?	42.23	S	88.47	E	10	G	4.2	4.4	1.3	11	SOUTHEAST INDIAN RIDGE
	22	01	29	41.5?	42.06	S	88.22	E	10	G	4.0		0.9	6	SOUTHEAST INDIAN RIDGE
	22	01	41	06.6	60.441	N	3.216	E	10	G			1.0	14	NORTH SEA. MD 2.7 (BER).
	22	01	50	22.2&	63.962	N	147.247	W	11					53	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
	22	02	12	16.4*	18.200	N	67.100	W	10	G			0.7	9	MONA PASSAGE. MD 3.1 (MPR).
	22	02	31	20.9&	59.410	N	152.273	W	77					98	SOUTHERN ALASKA. <AEIC>.
	22	04	03	06.5	40.500	N	127.420	W	10	G			0.5	50	OFF COAST OF NORTHERN CALIFORNIA. ML 4.0 (GS).
	22	04	51	36.4?	9.48	S	154.26	E	33	N	4.1		0.5	5	D'ENTRECASTEAUX ISLANDS REGION

	22	05	27	44.8?	7.55	S	127.78	E	170 ?	4.4		1.1	9	BANDA SEA
	22	05	34	17.6	36.609	N	26.708	E	168	5.1		1.0	352	DODECANESE ISLANDS
	22	06	03	46.9*	8.621	N	126.509	E	33 N	4.0		0.9	9	MINDANAO, PHILIPPINE ISLANDS
	22	06	16	06.1?	35.03	S	71.13	W	90 G			0.3	10	CENTRAL CHILE. MD 3.3 (SAN).
a	22	06	21	26.4	5.330	S	150.616	E	145 D	5.0		1.0	110	NEW BRITAIN REGION, P.N.G. Mw 5.1 (HRV).
	22	06	24	47.3?	23.42	S	170.18	E	33 N	4.7		0.9	11	LOYALTY ISLANDS REGION
	22	06	52	08.5*	5.113	S	150.459	E	33 N	4.9		1.0	28	NEW BRITAIN REGION, P.N.G.
	22	06	54	29.6?	6.79	S	148.35	E	10 G	4.4		0.9	7	NEW BRITAIN REGION, P.N.G.
	22	07	57	09.6*	5.298	N	82.594	W	10 G	4.1		0.9	23	SOUTH OF PANAMA
	22	08	31	19.1%	42.585	N	18.636	E	10 G			0.5	6	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	22	08	32	55.6%	37.417	N	4.060	W	10 G			1.3	6	SPAIN. mbLg 2.3 (MDD).
	22	10	56	14.2?	16.00	N	92.97	W	33 N			1.0	6	CHIAPAS, MEXICO
	22	11	08	34.5?	7.06	S	128.67	E	33 N	4.1		0.6	7	BANDA SEA
	22	11	35	21.5	38.761	N	21.896	E	5 G			0.8	10	GREECE. MD 3.2 (ATH).
	22	11	47	16.2	5.914	S	130.718	E	100 *	4.4		0.8	17	BANDA SEA
	22	12	19	09.6%	37.564	N	3.709	W	10 G			0.2	5	SPAIN. mbLg 2.0 (MDD).
	22	13	00	43.7?	30.92	S	69.03	W	120 G			0.3	5	CHILE-ARGENTINA BORDER REGION
	22	13	34	40.8*	23.014	S	168.548	E	33 N	4.1		1.4	9	NEW CALEDONIA
	22	14	00	16.8%	29.652	S	68.571	W	139 ?			0.9	9	SAN JUAN PROVINCE, ARGENTINA
	22	14	02	16.2&	60.153	N	153.370	W	150				86	SOUTHERN ALASKA. <AEIC>.
	22	14	26	38.1	36.858	N	27.375	E	5 G			1.3	8	DODECANESE ISLANDS. MD 4.0 (ATH).
	22	15	54	34.7&	63.197	N	150.545	W	121				69	CENTRAL ALASKA. <AEIC>.
	22	16	24	52.1*	37.011	N	20.089	E	5 G			1.3	11	IONIAN SEA. MD 3.5 (ATH).
	22	16	26	48.2*	6.653	S	131.469	E	43 ?	3.9		0.7	6	TANIMBAR ISLANDS REG., INDONESIA
	22	16	26	54.2&	33.177	N	115.609	W	5				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	22	17	55	57.5*	22.923	S	169.490	E	33 N	4.5		1.4	23	LOYALTY ISLANDS REGION
	22	18	21	17.0*	6.502	S	153.471	E	33 N	3.9		1.0	11	NEW BRITAIN REGION, P.N.G.
	22	18	23	45.6?	6.57	S	153.61	E	33 N	4.0		1.1	10	NEW BRITAIN REGION, P.N.G.
	22	18	41	19.9*	27.760	S	113.079	W	10 G	4.2		1.0	14	EASTER ISLAND REGION
	22	19	08	20.4*	5.737	S	152.822	E	33 N	4.2		1.1	17	NEW BRITAIN REGION, P.N.G.
	22	19	20	31.6%	31.237	S	117.496	E	10 G			0.6	5	WESTERN AUSTRALIA
	22	19	28	50.1	31.333	S	68.615	W	108 *			0.8	22	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
	22	19	30	11.2&	36.814	N	121.202	W	6				41	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
	22	19	33	57.6%	42.099	N	19.787	E	10 G			0.5	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	22	21	26	48.9*	0.530	S	132.892	E	33 N	4.6		1.0	17	IRIAN JAYA REGION, INDONESIA
	22	21	30	37.1?	32.02	S	71.58	W	33 N			0.9	12	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
a	22	22	11	56.6	29.155	S	177.370	W	23 G	5.6 5.3		1.0	239	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.4 (GS), 5.5 (HRV). Felt (V) on Raoul Island. Depth from broadband displacement seismograms.
	22	22	29	24.2	44.634	N	6.798	E	5 G			0.5	12	FRANCE. ML 1.9 (GEN), 1.8 (LDG).
	22	22	45	56.9	22.556	S	66.114	W	267	3.5		1.1	22	JUJUY PROVINCE, ARGENTINA
	22	23	41	55.5&	62.312	N	149.485	W	50				97	CENTRAL ALASKA. <AEIC>. ML 3.7 (AEIC), 3.8 (PMR).
	23	00	17	22.7	7.402	S	128.425	E	168	4.5		0.8	50	BANDA SEA
	23	00	44	00.9&	37.632	N	118.802	W	0				38	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK), 3.0 (GS). MD 3.0 (GM). Small precursor about 1.2 seconds prior to this event.
	23	01	23	34.7*	22.229	S	169.421	E	33 N	4.4		1.0	17	LOYALTY ISLANDS REGION
	23	02	35	46.0*	19.781	S	174.421	W	33 N	4.4		0.8	23	TONGA ISLANDS
	23	02	37	31.8?	34.16	S	70.06	W	10 G			0.3	7	CHILE-ARGENTINA BORDER REGION
	23	04	31	33.7	43.875	N	11.004	E	19			0.9	71	CENTRAL ITALY. ML 3.9 (VIE), 3.8 (LDG). MD 3.9 (FIR), 3.6 (ROM).
	23	04	56	43.1	5.520	S	153.419	E	44 *	4.7 4.6		0.9	51	NEW IRELAND REGION, P.N.G.
	23	05	39	44.3%	17.017	N	99.735	W	27			1.0	10	GUERRERO, MEXICO
	23	07	03	40.2*	23.301	S	70.681	W	93 ?			1.1	7	NEAR COAST OF NORTHERN CHILE
	23	07	05	45.6?	27.62	S	67.48	W	158 ?			0.2	7	CATAMARCA PROVINCE, ARGENTINA
a	23	07	06	02.7	18.856	N	145.218	E	595 G	6.3		0.9	623	MARIANA ISLANDS. Mw 7.1 (GS), 7.1 (HRV). Me 6.8 (GS). mb 6.3 (BRK). Mo=3.2*10**19 Nm (PPT). Felt on Saipan. Depth from broadband displacement seismograms.
	23	07	25	01.4	18.807	N	145.286	E	613	4.6		0.8	41	MARIANA ISLANDS
	23	07	45	48.3	9.459	N	83.954	W	33 N	5.1		0.9	109	COSTA RICA
	23	07	52	36.1	22.562	S	179.255	E	549 ?	4.5		1.1	33	SOUTH OF FIJI ISLANDS
	23	07	57	25.6&	35.775	N	117.656	W	8				59	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.3 (GS).
	23	07	57	35.5	19.083	N	144.954	E	567 D	5.2		1.0	241	MARIANA ISLANDS. mb 4.8 (BRK).
	23	08	29	41.3	18.648	N	145.236	E	595	4.5		1.0	79	MARIANA ISLANDS
	23	09	26	21.0*	41.151	N	30.119	E	10 G			1.1	9	TURKEY
	23	09	44	01.7	18.898	N	145.192	E	592	4.7		1.0	109	MARIANA ISLANDS
	23	10	11	27.8*	6.402	S	154.314	E	58 ?	4.1		0.8	14	SOLOMON ISLANDS
	23	10	46	57.3&	38.700	N	122.820	W	6				42	NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.0 (BRK), 3.0 (GS). Felt in the Santa Rosa area.
	23	11	25	28.2%	42.546	N	19.783	E	10 G			0.2	9	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).
	23	11	43	38.7?	3.61	S	141.21	E	107 ?	3.5		0.9	7	NEW GUINEA, PAPUA NEW GUINEA
	23	11	45	40.2	5.423	S	153.462	E	33 N	4.3		0.7	19	NEW IRELAND REGION, P.N.G.
	23	12	06	33.6	18.722	N	145.292	E	609	4.3		1.0	48	MARIANA ISLANDS
	23	13	00	14.8*	5.558	S	153.328	E	33 N	4.1		1.0	12	NEW IRELAND REGION, P.N.G.
	23	13	03	54.4%	33.680	S	70.978	W	70 G			1.1	10	CHILE-ARGENTINA BORDER REGION
a	23	13	14	42.4	56.883	S	141.654	W	12 G	5.9 5.5		1.0	336	PACIFIC-ANTARCTIC RIDGE. Mw 6.1 (GS), 6.3 (HRV). Me 5.9 (GS). Ms 5.5 (BRK). Mo=7.2*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	23	13	15	12.4*	31.282	S	68.440	W	113 *			0.5	9	SAN JUAN PROVINCE, ARGENTINA
	23	14	18	11.7	31.362	S	68.683	W	111 *			0.7	20	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
	23	15	39	41.4&	38.706	N	122.822	W	5				32	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
	23	15	43	54.7&	62.557	N	148.113	W	37				74	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
	23	15	55	32.5?	23.83	S	179.88	W	550 G	4.1		1.1	11	SOUTH OF FIJI ISLANDS
	23	18	52	42.7*	6.514	S	152.857	E	136 ?	4.4		1.0	17	NEW BRITAIN REGION, P.N.G.
	23	19	50	07.8?	7.20	S	129.83	E	154 ?	4.3		1.4	7	BANDA SEA
	23	20	10	21.0*	52.837	N	163.692	W	33 N	4.2		1.1	20	SOUTH OF ALASKA
	23	20	26	40.7	18.853	N	145.142	E	599	4.0		0.8	37	MARIANA ISLANDS
	23	20	36	21.0	24.322	N	123.161	E	33 N	4.2		1.2	34	SOUTHWESTERN RYUKYU ISLANDS
	23	20	44	24.9	6.698	S	156.187	E	33 N	4.6		0.6	41	SOLOMON ISLANDS
	23	21	37	39.5*	27.850	S	68.843	W	167 ?			0.3	10	CHILE-ARGENTINA BORDER REGION
	23	22	03	04.0	35.730	N	137.653	E	10 G	4.7		1.0	111	EASTERN HONSHU, JAPAN
	23	23	05	39.4	32.305	N	137.691	E	391	3.7		0.6	25	SOUTH OF HONSHU, JAPAN
	23	23	05	45.7	31.198	S	68.401	W	117			0.9	24	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).

	24	00	12	41.4&	59.861	N	152.705	W	80					58	SOUTHERN ALASKA. <AEIC>. Felt (III) at Pedro Bay.
	24	00	41	14.3&	64.963	N	149.001	W	28					27	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.2 (PMR).
	24	00	54	26.3&	64.974	N	149.010	W	22					40	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
	24	00	56	05.5?	5.47	S	153.53	E	61	?	4.2		1.0	14	NEW IRELAND REGION, P.N.G.
	24	01	07	49.4*	2.731	S	139.708	E	45	?	4.5		0.9	21	NEAR NORTH COAST OF IRIAN JAYA
	24	01	25	43.9*	2.601	S	139.867	E	33	N	3.9		0.8	10	NEAR NORTH COAST OF IRIAN JAYA
	24	01	39	51.8	28.515	N	112.956	W	10	G	4.4		1.1	34	GULF OF CALIFORNIA
	24	01	43	17.9	5.629	S	153.839	E	33	N	4.8		0.9	65	NEW IRELAND REGION, P.N.G.
a	24	01	55	34.6	18.902	N	145.047	E	588	G	6.0		0.9	510	MARIANA ISLANDS. Mw 6.2 (GS), 6.2 (HRV). Me 6.1 (GS). mb 6.2 (BRK). Depth from broadband displacement seismograms.
	24	03	01	46.7	39.218	S	71.529	W	117		4.1		1.1	27	S. CHILE-ARGENTINA BORDER REGION
	24	03	56	20.3	53.302	N	170.345	E	33	N	4.7		0.9	79	NEAR ISLANDS, ALEUTIAN ISLANDS
	24	04	39	58.1?	6.43	S	155.90	E	33	N	3.6		0.5	5	SOLOMON ISLANDS
	24	05	15	45.6*	36.175	N	71.399	E	33	N	4.0		0.9	18	AFGHANISTAN-TAJIKISTAN BORD REG.
	24	05	58	41.2	19.037	N	145.130	E	600	G	4.2		0.6	27	MARIANA ISLANDS
a	24	06	28	54.9	18.847	N	145.123	E	602	D	5.7		1.0	332	MARIANA ISLANDS. Mw 5.8 (HRV).
	24	06	36	43.1?	6.86	N	72.98	W	166	?			1.4	10	NORTHERN COLOMBIA
	24	07	06	21.7	11.489	N	88.060	W	33	N	4.8		0.9	78	OFF COAST OF CENTRAL AMERICA
a	24	07	54	42.9	18.823	N	145.042	E	612		5.5		1.0	324	MARIANA ISLANDS. Mw 6.1 (HRV). mb 5.2 (BRK).
a	24	07	55	26.2	18.849	N	145.089	E	586		5.5		1.0	161	MARIANA ISLANDS. Mw 6.2 (HRV).
	24	08	08	34.7	21.530	N	144.236	E	115	?	4.9		0.9	90	MARIANA ISLANDS REGION
	24	08	27	51.4*	6.388	S	154.139	E	33	N	4.0		0.7	13	SOLOMON ISLANDS
	24	08	30	53.2?	18.92	N	67.51	W	33	N			0.2	8	MONA PASSAGE. MD 3.3 (MPR).
	24	08	54	15.6&	35.182	N	120.595	W	2					49	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.8 (GS). Felt at San Luis Obispo.
	24	08	58	28.0&	65.040	N	138.930	W	5					38	NORTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 3.4 (PGC), 3.3 (AEIC).
	24	09	10	35.7&	37.550	N	118.857	W	3					60	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.5 (BRK), 3.4 (GS).
	24	09	23	05.8?	1.96	N	128.84	E	33	N	3.9		1.1	11	HALMAHERA, INDONESIA
	24	10	29	43.5?	2.09	N	128.09	E	33	N	3.9		1.2	10	HALMAHERA, INDONESIA
	24	10	32	00.2&	63.143	N	150.464	W	116					84	CENTRAL ALASKA. <AEIC>.
	24	11	16	38.0&	61.209	N	7.311	E	10	G			0.9	7	SOUTHERN NORWAY. MD 2.3 (BER).
	24	11	23	56.5	50.590	N	18.921	E	10	G			1.3	10	POLAND. MG 3.5 (WAR).
	24	12	16	51.0	76.542	N	107.061	W	10	G	4.3		1.3	40	QUEEN ELIZABETH ISLANDS, CANADA
	24	14	03	51.0*	18.386	N	145.606	E	273	*	3.4		0.6	13	MARIANA ISLANDS
	24	14	45	58.5	51.698	N	16.162	E	10	G			0.9	30	POLAND. ML 4.1 (VIE), 3.7 (MOX), 3.6 (BRA).
	24	14	51	41.2	76.582	N	107.215	W	10	G	4.2		1.0	37	QUEEN ELIZABETH ISLANDS, CANADA
	24	15	12	56.7*	32.292	S	68.102	W	100	G			0.5	6	MENDOZA PROVINCE, ARGENTINA
	24	15	14	36.5	45.468	N	21.071	E	63	*	4.4		1.0	56	ROMANIA
	24	16	10	52.5*	6.932	S	129.793	E	54	?	3.9		1.2	16	BANDA SEA
	24	16	37	59.2*	12.256	S	167.111	E	234	D	4.1		1.0	37	SANTA CRUZ ISLANDS
	24	16	43	43.7	43.001	N	0.119	W	5	G			1.0	7	PYRENEES. mbLg 3.1 (MDD). ML 2.8 (LDG).
	24	17	07	30.1?	11.76	S	165.47	E	33	N	4.0		1.3	7	SANTA CRUZ ISLANDS
	24	17	11	00.4?	28.68	S	70.97	W	196	?			0.4	10	CENTRAL CHILE
	24	17	27	34.4	44.128	N	10.756	E	34		4.5		1.1	148	NORTHERN ITALY. ML 4.7 (VIE), 4.6 (FUR), 4.3 (LDG), 4.1 (ROM). MD 4.4 (FIR).
	24	18	00	08.8	30.977	N	39.630	E	17		3.5		0.5	21	JORDAN - SYRIA REGION
	24	18	19	24.4?	4.89	S	154.15	E	113	?	3.8		0.9	9	SOLOMON ISLANDS
	24	19	34	50.0?	9.73	S	150.47	E	132	?	3.7		0.6	7	EASTERN NEW GUINEA REG., P.N.G.
	24	20	07	31.5&	59.854	N	151.057	W	48		3.9			127	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.6 (AEIC), 3.7 (PMR). Felt (II) at Homer.
	24	20	22	34.6	10.417	N	125.895	E	57	?	4.5		1.0	35	LEYTE, PHILIPPINE ISLANDS
	24	20	58	27.9&	62.418	N	149.261	W	51					62	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	24	21	23	39.4	37.774	N	21.951	E	5	G	3.9		1.4	17	SOUTHERN GREECE. ML 3.4 (ATH).
	24	21	25	30.0?	18.49	N	67.53	W	33	N			0.2	9	MONA PASSAGE. MD 3.6 (MPR).
	24	21	37	47.7*	15.434	S	75.588	W	35	D	3.9		1.6	17	NEAR COAST OF PERU
	24	21	44	59.4	51.713	N	173.780	W	33	N	4.6	4.8	1.1	140	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR). Felt (III) at Atka.
	24	21	45	37.2	17.781	N	65.917	W	10	G			0.4	9	PUERTO RICO REGION. MD 3.0 (MPR).
	24	22	33	00.3&	60.196	N	151.772	W	69					85	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.3 (AEIC), 3.2 (PMR).
	24	23	18	25.8&	35.368	N	3.977	W	18	*			0.8	11	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	25	00	32	34.6	32.088	S	71.201	W	50	G			0.6	20	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN). Felt (III) at San Felipe.
	25	00	46	06.6?	0.17	N	124.59	E	195	?	4.5		1.5	8	MINAHASSA PENINSULA, SULAWESI
	25	01	51	32.2	32.671	S	69.982	W	129	?			0.4	17	MENDOZA PROVINCE, ARGENTINA. MD 3.7 (SAN).
	25	01	53	51.7	35.655	N	68.688	E	33	N	4.0		1.3	23	HINDU KUSH REGION, AFGHANISTAN
	25	02	05	50.7*	15.888	S	75.059	W	33	N	4.0		1.1	17	NEAR COAST OF PERU
	25	02	09	03.9?	18.72	N	66.52	W	33	N			0.2	8	PUERTO RICO REGION. MD 2.8 (MPR).
	25	02	14	25.2&	61.340	N	146.736	W	18					84	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
	25	02	59	35.0&	35.029	N	116.964	W	7					61	CENTRAL CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.5 (GS). Felt at Barstow.
	25	03	30	03.8&	36.657	N	4.167	W	10	G			0.6	5	STRAIT OF GIBRALTAR. mbLg 2.3 (MDD).
	25	03	35	47.7*	5.523	S	153.542	E	33	N	3.9		0.8	11	NEW IRELAND REGION, P.N.G.
	25	04	04	51.8?	3.33	S	130.93	E	33	N	4.4		1.5	9	SERAM, INDONESIA
	25	04	24	44.2*	32.239	S	70.342	W	5	G			0.8	12	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	25	04	28	23.1*	47.370	N	152.767	E	121	D	4.3		0.8	31	KURIL ISLANDS
	25	04	35	52.8	32.735	S	69.925	W	100	G			0.8	16	MENDOZA PROVINCE, ARGENTINA. MD 3.2 (SAN).
	25	04	45	27.9?	35.48	N	3.94	W	10	G			0.6	5	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
	25	05	20	16.0?	23.92	S	66.67	W	222	*			0.4	7	JUJUY PROVINCE, ARGENTINA
	25	05	47	03.7?	9.29	N	94.53	E	33	N	4.0		1.5	5	NICOBAR ISLANDS, INDIA
	25	06	21	45.2?	31.17	S	68.61	W	100	G			0.4	5	SAN JUAN PROVINCE, ARGENTINA
	25	07	08	03.9*	43.414	N	146.544	E	33	N	4.1		0.6	10	KURIL ISLANDS
	25	07	09	26.3	43.733	N	10.293	E	10	G			1.0	51	CENTRAL ITALY. ML 3.6 (VIE), 3.3 (LDG). MD 3.4 (FIR).
	25	08	56	53.9?	3.04	N	96.06	E	33	N	3.7		0.4	5	NORTHERN SUMATERA, INDONESIA
	25	09	27	21.4	45.374	N	17.636	E	24		4.9	4.7	1.2	305	NORTHWESTERN BALKAN REGION. ML 4.8 (THE), 4.8 (FUR), 4.7 (VIE), 4.7 (TTG), 4.6 (TIR). MD 4.4 (TRI). Damage (VII) in the Pozega area, Croatia. Felt at Zagreb, Croatia. Also felt at Ljubljana, Maribor and Ptuj, Slovenia.
	25	09	29	02.0?	12.00	S	114.99	E	10	G	3.8		0.7	6	NORTHWEST OF AUSTRALIA

	25	09	44	40.9?	45.47	N	18.18	E	10	G			1.1	5	NORTHWESTERN BALKAN REGION
	25	10	33	22.0*	6.347	S	153.970	E	74	?	4.4		1.0	27	NEW BRITAIN REGION, P.N.G.
	25	10	53	01.4	28.417	N	57.116	E	79	*	4.9		0.9	153	SOUTHERN IRAN
a	25	11	29	40.9	18.711	N	145.204	E	603		5.3		1.0	190	MARIANA ISLANDS. Mw 5.4 (HRV).
	25	11	30	11.4?	11.72	N	61.94	W	33	N			0.7	5	WINDWARD ISLANDS. MD 2.7 (TRN).
	25	11	41	18.7?	25.34	N	142.78	E	33	N	4.1		1.3	8	VOLCANO ISLANDS REGION
	25	11	50	18.8	23.865	S	112.348	E	33	N	4.6		1.3	38	WESTERN AUSTRALIA
	25	11	57	12.0&	64.650	N	148.323	W	14		3.6			93	CENTRAL ALASKA. <AEIC>. ML 4.5 (AEIC), 4.5 (PMR). Felt (V) at Ester; (IV) at Fairbanks; (III) at Clear, Eielson Air Force Base and Nenana; (II) at Healy.
	25	12	28	27.6?	19.40	N	65.46	W	10	G			0.2	9	PUERTO RICO REGION. MD 3.6 (MPR).
	25	13	00	22.2?	23.35	S	170.86	E	33	N	3.7		1.0	7	LOYALTY ISLANDS REGION
	25	13	12	21.5*	39.783	N	26.279	E	10	G			1.3	9	TURKEY
	25	13	23	09.4	32.000	S	68.484	W	126	*			0.6	20	MENDOZA PROVINCE, ARGENTINA. MD 4.1 (SAN).
	25	14	00	18.9%	31.693	S	68.363	W	10	G			0.3	5	SAN JUAN PROVINCE, ARGENTINA
	25	14	07	07.6?	2.98	N	128.79	E	33	N	3.8		1.2	7	HALMAHERA, INDONESIA
	25	14	18	10.1?	50.35	N	19.00	E	10	G			0.1	4	POLAND. MG 2.6 (WAR).
a	25	14	25	25.1	20.333	S	177.850	W	540	D	5.2		0.8	286	FIJI ISLANDS REGION. Mw 5.5 (HRV). mb 5.3 (BRK).
	25	14	50	37.0*	50.467	N	18.955	E	10	G			1.3	5	POLAND
	25	15	06	16.2	51.674	N	16.270	E	10	G			0.7	14	POLAND. ML 3.2 (MOX).
	25	15	30	54.0&	35.782	N	117.639	W	3					5	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	25	16	02	59.3*	57.490	S	26.020	W	33	N	4.5		0.9	33	SOUTH SANDWICH ISLANDS REGION
	25	16	45	35.5*	3.051	S	141.496	E	114	*	4.2		1.0	16	NEW GUINEA, PAPUA NEW GUINEA
	25	16	45	40.3	31.589	S	69.294	W	134	*			0.8	18	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (SAN).
a	25	16	51	46.6	18.686	S	175.409	W	225	D	5.5		1.0	285	TONGA ISLANDS. Mw 6.0 (HRV). mb 5.3 (BRK). Mo=2.4*10**18 Nm (PPT).
	25	17	11	13.7%	42.924	N	19.495	E	10	G			0.9	5	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	25	17	53	38.1&	62.800	N	150.924	W	92					84	CENTRAL ALASKA. <AEIC>.
	25	18	05	23.0%	29.691	S	66.783	W	33	N			0.9	6	LA RIOJA PROVINCE, ARGENTINA
	25	18	41	57.8&	60.673	N	147.642	W	11					61	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	25	19	37	46.3&	34.365	N	118.291	W	3					52	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.5 (GS). Felt in the Los Angeles area.
	25	19	51	54.5?	42.20	N	7.95	W	10	G			0.1	4	SPAIN. mbLg 3.2 (MDD).
	25	19	57	46.2	51.615	N	16.167	E	18		3.4		0.9	35	POLAND. ML 3.7 (VIE), 3.5 (MOX).
	25	19	58	07.6%	37.038	N	4.268	W	10	G			0.8	12	SPAIN. mbLg 3.1 (MDD).
	25	20	01	41.7%	37.045	N	4.267	W	5	G			0.6	10	SPAIN. mbLg 2.7 (MDD).
	25	20	39	10.3*	31.313	S	68.847	W	115	*			0.6	8	SAN JUAN PROVINCE, ARGENTINA
	25	20	50	05.3*	53.327	N	163.086	E	33	N	3.7		0.6	7	OFF EAST COAST OF KAMCHATKA
	25	22	02	23.6*	6.308	S	130.929	E	147	?	3.7		0.8	7	BANDA SEA
	25	22	07	53.8?	23.49	S	179.76	W	431	*	4.5		1.1	16	SOUTH OF FIJI ISLANDS
	25	22	13	37.8?	33.46	S	72.25	W	33	N			0.5	9	OFF COAST OF CENTRAL CHILE
	25	22	54	52.5%	37.050	N	4.252	W	10	G			0.5	6	SPAIN. mbLg 2.2 (MDD).
	25	23	01	36.6*	4.413	S	135.850	E	33	N	4.5		1.5	20	IRIAN JAYA REGION, INDONESIA
	25	23	46	10.7%	33.905	S	70.171	W	10	G			0.3	10	CHILE-ARGENTINA BORDER REGION
	25	23	50	12.1&	34.366	N	118.296	W	3					55	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.3 (GS). Felt in the Los Angeles area.
	26	00	08	56.3*	49.056	S	123.707	E	10	G	4.4		1.1	23	SOUTH OF AUSTRALIA
	26	00	23	57.7%	59.840	N	5.917	E	10	G			1.0	8	SOUTHERN NORWAY. MD 2.0 (BER).
	26	00	39	12.1&	61.526	N	150.098	W	38					64	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
a	26	01	06	46.9	32.273	N	40.253	W	10	G	4.8	4.8	1.0	66	NORTHERN MID-ATLANTIC RIDGE. Mw 5.1 (HRV).
	26	01	16	03.9	6.453	S	130.848	E	76		5.1		0.8	102	BANDA SEA
	26	01	53	54.0&	62.771	N	149.015	W	64					81	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
	26	02	15	39.0*	29.998	N	130.786	E	10	G	4.3		0.4	8	RYUKYU ISLANDS
	26	02	18	17.2?	34.52	S	71.23	W	70	G			0.2	9	NEAR COAST OF CENTRAL CHILE
	26	02	21	02.6	51.300	N	179.655	E	33	N	4.3		1.1	52	RAT ISLANDS, ALEUTIAN ISLANDS
	26	02	30	59.9	50.138	N	89.533	E	33	N	4.3		1.1	36	RUSSIA-MONGOLIA BORDER REGION
	26	03	18	36.2*	18.105	N	67.133	W	10	G			0.1	5	MONA PASSAGE
	26	03	25	32.6*	2.620	N	128.290	E	87	?	4.4		1.5	15	HALMAHERA, INDONESIA
	26	03	28	07.9%	44.664	N	7.209	E	10	G			0.3	10	NORTHERN ITALY. ML 2.1 (GEN).
	26	03	39	33.5*	20.164	S	66.647	E	10	G	4.7	4.6	0.9	15	MAURITIUS-REUNION REGION
	26	04	00	36.9	18.770	N	145.153	E	603		4.3		0.8	74	MARIANA ISLANDS
	26	05	41	26.2	43.642	N	127.275	W	10	G	3.9		0.7	93	OFF COAST OF OREGON
	26	06	25	35.3&	60.455	N	148.730	W	23					69	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
	26	06	41	33.3&	34.301	N	118.449	W	9					51	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.9 (GS).
a	26	06	57	16.6	5.643	S	153.541	E	17	G	5.7	6.0	1.2	206	NEW IRELAND REGION, P.N.G. Mw 5.9 (GS), 6.0 (HRV). Me 6.0 (GS). Ms 6.0 (BRK). Mo=4.3*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	26	07	04	52.9*	5.759	S	153.357	E	10	G	4.7		0.9	11	NEW IRELAND REGION, P.N.G.
	26	07	26	15.3?	32.31	S	68.58	W	124	?			0.1	6	MENDOZA PROVINCE, ARGENTINA
	26	07	35	13.3*	5.834	S	153.681	E	10	G	4.5		1.0	15	NEW IRELAND REGION, P.N.G.
	26	08	06	36.5*	11.700	N	125.224	E	33	N	4.4		0.9	19	SAMAR, PHILIPPINE ISLANDS
	26	08	18	48.3?	5.28	S	153.66	E	33	N	4.2		1.2	7	NEW IRELAND REGION, P.N.G.
a	26	09	09	00.8	6.353	S	154.369	E	43	D	5.0	4.8	1.1	76	SOLOMON ISLANDS. Mw 5.4 (HRV).
	26	09	47	01.6*	32.221	N	40.355	W	10	G	4.3		0.8	17	NORTHERN MID-ATLANTIC RIDGE
	26	10	01	21.3*	16.539	S	173.233	W	33	N	4.7		1.3	35	TONGA ISLANDS
	26	10	03	40.6*	17.867	S	168.383	E	149		4.7		1.0	48	VANUATU ISLANDS
	26	10	07	22.9?	24.59	N	122.94	E	33	N	4.0		1.4	8	TAIWAN REGION
	26	10	45	08.2*	57.456	N	33.555	W	10	G	4.2		1.2	21	NORTH ATLANTIC OCEAN
	26	10	53	26.4	13.062	S	166.748	E	144	*	4.9		1.1	86	VANUATU ISLANDS
	26	10	53	52.8*	6.075	S	153.621	E	75	G	4.2		1.3	16	NEW BRITAIN REGION, P.N.G.
	26	11	07	52.1	51.665	N	16.229	E	10	G			0.9	22	POLAND. ML 3.4 (VIE), 3.1 (MOX), 3.0 (BRA), 3.0 (CLL), 2.9 (FUR).
	26	11	18	34.8*	5.843	S	153.579	E	33	N	4.5		1.0	22	NEW IRELAND REGION, P.N.G.
	26	11	45	48.1*	35.354	S	178.274	E	276	*	4.3		1.1	23	OFF E. COAST OF N. ISLAND, N.Z.
	26	12	45	38.2	23.501	N	64.487	E	33	N	4.2		0.9	31	OFF COAST OF PAKISTAN
	26	12	59	21.3*	19.084	N	147.008	E	65	*	4.2		0.7	17	MARIANA ISLANDS REGION
	26	13	31	57.3&	40.723	N	124.942	W	17					26	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM). ML 2.9 (GS).
	26	13	49	23.3?	17.00	S	69.47	W	180	*	4.4		0.9	8	PERU-BOLIVIA BORDER REGION
	26	14	21	24.4%	10.990	N	61.959	W	10	G			0.6	6	TRINIDAD. MD 3.1 (TRN).
	26	14	27	47.5?	2.07	N	31.35	E	33	N	4.0		1.3	11	UGANDA
a	26	14	47	50.3	8.455	N	126.935	E	37	D	5.3	5.4	1.0	161	MINDANAO, PHILIPPINE ISLANDS. Mw 5.7 (HRV). Ms 5.4 (BRK). Mo=6.1*10**17 Nm (PPT).

	26	15	07	38.4?	10.11	S	151.41	E	33	N	3.5	1.4	6	D'ENTRECASTEAUX ISLANDS REGION
	26	15	11	10.1	23.289	S	179.585	E	654	?	4.4	0.6	22	SOUTH OF FIJI ISLANDS
a	26	16	06	11.0	28.406	N	128.371	E	10	G	4.9 4.8	1.1	92	RYUKYU ISLANDS. Mw 5.3 (HRV).
	26	16	09	21.5*	32.858	S	71.780	W	33	N		1.2	17	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	26	16	27	23.1&	36.729	N	121.386	W	3				65	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.1 (GS), 3.0 (BRK).
	26	16	48	15.9	8.293	S	121.642	E	10	G	4.6	1.1	23	FLORES REGION, INDONESIA
	26	16	59	56.9	8.266	S	121.648	E	10	G	4.2	0.8	20	FLORES REGION, INDONESIA
a	26	17	11	18.2	0.594	N	122.632	E	33	N	5.0	1.0	96	MINAHASSA PENINSULA, SULAWESI. Mw 5.3 (HRV).
a	26	17	16	56.9	8.280	S	121.548	E	34	D	5.6 5.3	1.1	129	FLORES REGION, INDONESIA. Mw 5.7 (HRV). Felt (IV) at Maumere and (III) at Ruteng, Flores. Felt (II) at Waingapu, Sumba.
	26	18	04	18.0*	8.220	S	121.659	E	10	G	4.1	0.8	16	FLORES REGION, INDONESIA
	26	18	10	48.5?	7.90	S	121.71	E	10	G	4.1	1.0	8	FLORES SEA
	26	18	12	59.3*	5.716	S	153.498	E	33	N	4.2	0.8	12	NEW IRELAND REGION, P.N.G.
	26	18	57	52.5%	41.223	N	105.716	E	33	N		1.1	5	WESTERN NEI MONGOL, CHINA. ML 3.9 (BJI).
	26	19	26	39.2	31.710	S	68.326	W	120	*		0.8	19	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
	26	19	34	11.2*	39.069	N	20.747	E	33	N	3.7	1.0	10	GREECE-ALBANIA BORDER REGION. ML 3.5 (TIR). MD 3.2 (ATH).
	26	19	36	06.2%	32.802	S	70.976	W	66	?		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	26	19	45	03.1*	53.151	N	160.065	E	33	N	4.5	1.0	33	NEAR EAST COAST OF KAMCHATKA
	26	19	48	04.3?	8.50	S	121.95	E	10	G	3.7	1.3	7	FLORES REGION, INDONESIA
	26	22	25	33.8*	30.080	S	178.913	W	319	?	4.2	1.1	21	KERMADEC ISLANDS, NEW ZEALAND
	26	22	48	23.8*	31.298	S	68.110	W	33	N		0.3	6	SAN JUAN PROVINCE, ARGENTINA
	26	23	03	49.4&	40.346	N	124.449	W	19				24	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
	26	23	23	31.7	10.284	S	161.275	E	86	*	4.6	0.8	33	SOLOMON ISLANDS
	26	23	30	07.2	58.425	N	142.792	W	10	G		0.8	24	GULF OF ALASKA. ML 2.6 (AEIC).
	26	23	47	40.2*	32.169	S	71.405	W	33	N		0.8	19	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	26	23	56	00.8?	31.35	S	68.75	W	100	G		0.2	6	SAN JUAN PROVINCE, ARGENTINA
	27	00	30	06.2	23.956	S	176.630	W	33	N	4.8	0.9	58	SOUTH OF FIJI ISLANDS
	27	01	48	54.2	27.111	N	126.618	E	33	N	4.7 4.5	1.3	40	NORTHWEST OF RYUKYU ISLANDS
	27	02	17	38.3	1.364	N	126.470	E	33	N	4.6	0.6	20	NORTHERN MOLUCCA SEA
	27	02	29	08.6?	10.99	N	62.09	W	60	G		0.3	5	NEAR COAST OF VENEZUELA. MD 3.0 (TRN).
	27	02	45	55.9?	37.11	N	6.48	W	10	G		0.6	4	SPAIN. mbLg 2.5 (MDD).
	27	02	59	06.7%	34.007	S	71.053	W	70	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 2.1 (SAN).
	27	03	02	01.8	44.390	N	9.838	E	23			0.8	56	NORTHERN ITALY. ML 3.3 (LDG). MD 3.3 (FIR), 2.9 (STR).
	27	04	24	39.9?	50.49	N	12.17	E	10	G		0.5	4	GERMANY. ML 1.5 (FUR).
	27	04	42	57.7	41.480	N	22.724	E	10	G		1.3	10	NORTHWESTERN BALKAN REGION
	27	04	53	53.0%	33.005	S	71.030	W	60	G		0.2	9	NEAR COAST OF CENTRAL CHILE. MD 2.6 (SAN).
	27	05	28	34.6	41.640	N	15.459	E	12			0.9	29	SOUTHERN ITALY. ML 3.1 (ROM), 2.8 (LJU).
	27	05	32	22.0	36.096	N	140.025	E	83		4.3	1.0	70	NEAR EAST COAST OF HONSHU, JAPAN
	27	05	41	06.9%	32.581	S	70.883	W	70	G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	27	05	48	09.1*	32.980	S	70.129	W	80	*		1.2	14	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	27	07	11	59.7*	5.641	S	153.327	E	10	G	4.5	0.7	14	NEW IRELAND REGION, P.N.G.
	27	07	59	51.8%	34.134	S	71.317	W	60	G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 2.8 (SAN).
	27	08	48	19.8*	24.650	S	179.902	E	485	?	4.4	1.0	28	SOUTH OF FIJI ISLANDS
	27	10	13	59.3?	41.88	N	20.21	E	10	G		0.5	6	ALBANIA. ML 2.1 (TTG).
	27	10	26	11.8%	10.918	N	61.665	W	33	N		0.2	5	TRINIDAD. MD 3.7 (TRN).
	27	10	35	44.6	45.481	N	14.760	E	10	G		0.9	10	NORTHWESTERN BALKAN REGION. MD 2.9 (LJU). Felt (IV) in the Pozega area.
	27	10	40	47.8%	33.038	S	70.991	W	60	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
	27	10	47	38.1	5.837	S	153.251	E	90	*	4.2	0.9	20	NEW IRELAND REGION, P.N.G.
	27	11	07	46.8&	60.427	N	153.046	W	143				13	SOUTHERN ALASKA. <AEIC>.
	27	11	33	04.6	22.043	S	176.367	W	132	D	4.6	1.1	33	SOUTH OF FIJI ISLANDS
	27	11	51	47.6*	8.239	S	117.747	E	33	N	4.2	1.3	13	SUMBAWA REGION, INDONESIA
	27	11	55	09.0&	65.701	N	152.070	W	8				22	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.3 (PMR).
	27	13	39	34.0	31.729	S	69.888	W	145	*		0.4	17	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
	27	13	46	26.3	52.103	N	174.707	W	58	D	4.5	1.0	80	ANDREANOF ISLANDS, ALEUTIAN IS. mb 4.6 (BRK).
	27	13	55	53.6?	34.08	S	72.26	W	5	G		0.7	9	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	27	14	37	30.2*	6.269	S	130.502	E	179	?	3.9	1.5	12	BANDA SEA
	27	15	10	56.2*	23.300	S	70.510	W	48	*	4.3	1.1	15	NEAR COAST OF NORTHERN CHILE
	27	15	23	24.4	42.223	N	82.414	E	71	*	4.2	0.6	36	NORTHERN XINJIANG, CHINA
	27	15	29	20.8*	5.620	S	153.426	E	33	N	4.1	1.1	16	NEW IRELAND REGION, P.N.G.
	27	16	12	50.4*	5.875	S	153.492	E	33	N	4.0	1.0	10	NEW IRELAND REGION, P.N.G.
	27	16	23	50.1?	10.46	N	61.69	W	33	N		0.8	4	TRINIDAD. MD 2.2 (TRN).
	27	16	27	58.4*	25.570	S	69.638	E	10	G	4.4	1.1	24	SOUTH INDIAN OCEAN
	27	17	10	01.7*	25.429	N	143.097	E	59	?	4.5	0.8	16	VOLCANO ISLANDS REGION
	27	17	25	46.0	3.962	S	138.534	E	114	*	4.5	0.7	25	IRIAN JAYA, INDONESIA
	27	17	29	52.8*	56.200	S	26.857	W	33	N	4.3	0.9	13	SOUTH SANDWICH ISLANDS REGION
a	27	17	51	00.2	48.004	S	32.018	E	10	G	5.2 4.7	1.1	53	PRINCE EDWARD ISLANDS REGION. Mw 5.2 (HRV).
	27	17	53	07.7%	44.344	N	7.268	E	10	G		0.5	5	NORTHERN ITALY. ML 1.7 (GEN).
	27	18	13	23.1%	34.155	S	71.347	W	50	G		0.2	8	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	27	18	18	48.5	18.763	N	145.464	E	225	*	4.5	0.9	83	MARIANA ISLANDS. mb 4.6 (BRK).
	27	18	32	48.7&	35.777	N	117.655	W	9				26	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.7 (GS).
	27	18	38	55.6	53.145	N	159.949	E	78	D	4.9	1.0	183	NEAR EAST COAST OF KAMCHATKA
	27	18	52	55.9*	36.420	N	25.488	E	10	G	3.1	1.3	6	DODECANESE ISLANDS. ML 3.5 (ATH).
	27	18	55	24.0?	42.22	N	20.49	E	5	G		0.5	6	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	27	19	21	21.4?	4.91	S	151.22	E	108	?	3.8	1.4	10	NEW BRITAIN REGION, P.N.G.
	27	19	31	51.2	38.358	N	21.643	E	5	G		1.4	7	GREECE. ML 3.2 (ATH).
	27	19	42	15.0	38.230	N	15.291	E	30		3.8	1.1	51	SICILY. ML 4.2 (TIR), 3.6 (ROM).
	27	20	30	56.1?	31.32	S	69.19	W	120	G		0.4	6	SAN JUAN PROVINCE, ARGENTINA
	27	20	32	29.1	31.767	S	68.056	W	10	G		0.5	7	SAN JUAN PROVINCE, ARGENTINA
	27	20	39	36.0*	31.191	S	68.378	W	100	G		0.5	7	SAN JUAN PROVINCE, ARGENTINA
	27	21	06	47.9*	31.560	S	68.959	W	111	?		0.4	9	SAN JUAN PROVINCE, ARGENTINA
	27	21	11	35.0*	8.110	S	121.821	E	10	G	3.7	1.0	10	FLORES REGION, INDONESIA
	27	21	46	04.5?	31.62	S	70.38	W	130	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	27	22	36	36.4*	42.668	N	1.193	E	10	G		1.1	5	PYRENEES. ML 2.6 (LDG).
	27	22	58	10.5	40.153	N	21.537	E	5	G	3.5	0.8	23	GREECE. ML 3.3 (THE). MD 3.2 (ATH). Felt at Grevena and Kozani.
	27	23	44	03.8	40.332	N	21.666	E	5	G		0.8	6	GREECE. MD 2.9 (ATH).
	28	00	49	19.3?	5.04	S	150.91	E	73	D	4.0	1.2	9	NEW BRITAIN REGION, P.N.G.
	28	01	39	24.3%	31.338	S	68.473	W	97	?		0.4	7	SAN JUAN PROVINCE, ARGENTINA

	28	01 57 57.2	24.478	S	70.763	W	33	N	4.3		1.2	29	NEAR COAST OF NORTHERN CHILE
	28	02 05 05.7?	36.96	N	3.88	W	33	N			0.4	4	STRAIT OF GIBRALTAR. mbLg 1.6 (MDD).
	28	02 16 10.2?	37.40	N	36.19	E	10	G			0.5	4	TURKEY
	28	02 21 58.5	53.687	N	163.801	W	33	N	4.4		1.1	60	UNIMAK ISLAND REGION. ML 4.3 (PMR).
	28	03 08 42.5	52.634	N	142.712	E	33	N	4.3		0.7	20	SAKHALIN ISLAND
	28	03 16 25.1	44.169	N	110.250	W	5	G	4.3		0.9	47	YELLOWSTONE REGION, WYOMING. ML 4.5 (GS). MD 4.2 (BUT). Felt at Fishing Bridge, Grant Village and Mammoth in Yellowstone National Park and Flagg Ranch Village, Wyoming.
	28	03 31 46.5*	20.068	S	70.503	W	112	?	4.4		1.0	18	NEAR COAST OF NORTHERN CHILE
	28	05 01 14.1	48.115	N	7.763	E	10	G			0.5	9	FRANCE. ML 2.8 (LDG).
	28	05 01 56.2	44.122	N	110.289	W	5	G			0.8	24	YELLOWSTONE REGION, WYOMING. ML 3.8 (GS). MD 3.6 (BUT).
	28	05 22 48.6&	42.433	N	18.550	E	10	G			0.2	6	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	28	05 57 05.2	44.073	N	10.522	E	10	G			0.7	20	NORTHERN ITALY. ML 3.0 (LDG). MD 3.0 (FIR).
	28	06 47 12.8	40.148	N	21.749	E	5	G			0.9	6	GREECE. MD 3.0 (ATH).
	28	07 04 03.6*	43.286	N	146.212	E	74	*	4.5		1.0	40	KURIL ISLANDS
	28	09 25 01.3*	20.886	S	174.339	W	33	N	4.4		1.3	13	TONGA ISLANDS
	28	09 26 03.7&	58.456	N	153.036	W	36					47	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
	28	09 59 16.7	57.240	N	3.853	W	10	G			0.3	17	UNITED KINGDOM. ML 2.7 (BGS). Felt (IV) at Aviemore, Boat of Garten and Carrbridge.
a	28	10 46 12.0	26.092	N	110.284	W	12	G	5.7	6.5	1.1	207	GULF OF CALIFORNIA. Mw 6.6 (GS), 6.5 (HRV). Me 6.9 (GS). Mo=6.7*10**18 Nm (PPT). Two events about 2.8 seconds apart. Depth from broadband displacement seismograms, based on second event.
	28	11 34 30.6?	43.86	N	7.77	E	5	G			0.2	4	NEAR SOUTH COAST OF FRANCE. ML 1.6 (GEN).
	28	11 46 05.6	38.186	N	89.001	E	33	N	4.9		1.0	64	SOUTHERN XINJIANG, CHINA
	28	11 51 12.4&	60.919	N	152.145	W	9					52	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
	28	12 17 58.6*	28.140	N	139.827	E	436	*	3.9		0.8	21	BONIN ISLANDS REGION
	28	12 19 28.7*	13.245	N	89.682	W	33	N			0.3	11	EL SALVADOR. MD 3.3 (SSS). Felt (II) at San Salvador.
	28	12 23 04.0	25.966	N	110.262	W	10	G	4.7		0.9	87	GULF OF CALIFORNIA
	28	12 42 28.8	45.674	N	6.083	E	5	G			1.0	48	FRANCE. ML 3.4 (LDG).
	28	14 50 18.9?	29.09	S	177.21	W	55	?	4.2		1.0	9	KERMADEC ISLANDS, NEW ZEALAND. Felt (IV) on Raoul Island.
	28	15 04 35.9*	0.155	S	123.752	E	136	?	4.4		0.8	16	MINAHASSA PENINSULA, SULAWESI
	28	15 13 39.0&	34.205	N	106.942	W	4					17	NEW MEXICO. <SNM-P>. MD 2.7 (SNM). mbLg 2.8 (GS). Felt (V) at Polvadera and (III) at Lemitar.
	28	15 35 28.3	3.797	N	124.609	E	329		5.3		1.0	226	CELEBES SEA
	28	15 55 56.0?	32.44	S	71.99	W	5	G			0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	28	16 40 38.9*	49.948	N	155.667	E	49	?	4.3		1.0	21	KURIL ISLANDS
	28	17 01 10.7*	45.673	N	6.533	E	21	*			1.4	15	FRANCE. ML 2.7 (LDG).
	28	17 11 09.8*	44.234	N	110.359	W	5	G			0.9	9	YELLOWSTONE REGION, WYOMING. ML 3.1 (GS).
	28	17 39 02.0*	71.568	N	2.163	W	10	G	3.6		0.6	10	JAN MAYEN ISLAND REGION
	28	18 45 32.2*	40.139	N	21.632	E	5	G			0.6	5	GREECE. MD 2.9 (ATH).
	28	18 46 25.0&	37.072	N	3.808	W	10	G			0.3	5	SPAIN. mbLg 2.5 (MDD).
	28	19 46 35.9&	44.330	N	7.743	E	5	G			0.3	5	NORTHERN ITALY. ML 1.9 (GEN).
	28	19 58 25.0	38.225	N	22.185	E	87	?			1.3	15	GREECE
	28	20 02 21.3	46.111	N	0.436	W	18				1.1	16	FRANCE. ML 3.2 (LDG).
	28	20 58 58.8?	32.18	S	69.37	W	100	G			0.2	5	MENDOZA PROVINCE, ARGENTINA
	28	21 10 09.0?	28.36	N	129.01	E	100	G			1.3	4	RYUKYU ISLANDS
	28	21 49 28.5*	3.865	N	96.481	E	114	?	3.9		1.0	20	NORTHERN SUMATERA, INDONESIA
	28	22 30 29.6*	40.055	N	21.599	E	5	G			0.4	5	GREECE. MD 2.9 (ATH).
	28	22 35 33.2*	32.457	N	86.193	E	33	N	3.9		1.0	13	XIZANG
	28	22 51 18.5	34.582	N	24.324	E	70	*	3.5		0.9	20	CRETE
	28	23 32 49.4&	60.297	N	152.378	W	83					54	SOUTHERN ALASKA. <AEIC>.
	28	23 37 14.8?	31.17	S	68.42	W	98	?			0.9	6	SAN JUAN PROVINCE, ARGENTINA
	29	00 18 11.3*	33.919	S	70.526	W	100	G			0.5	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	29	00 39 11.5	19.609	S	178.851	W	186	D	5.0		1.2	109	FIJI ISLANDS REGION. mb 4.7 (BRK).
	29	01 01 03.6	41.994	N	24.526	E	10	G			1.1	10	GREECE-BULGARIA BORDER REGION
	29	01 25 30.1*	7.073	S	130.666	E	10	G	4.3		1.0	8	TANIMBAR ISLANDS REG., INDONESIA
	29	02 11 37.3&	58.410	N	154.749	W	0	G				16	ALASKA PENINSULA. <AEIC>. ML 2.7 (AEIC).
	29	02 26 12.0?	45.41	N	16.23	E	10	G			0.3	7	NORTHWESTERN BALKAN REGION. ML 2.2 (LJU).
	29	03 03 44.8&	38.113	N	22.045	E	33	N			1.4	6	GREECE. ML 3.1 (ATH).
	29	03 20 02.4?	2.93	N	128.21	E	33	N	4.1		1.2	10	HALMAHERA, INDONESIA
	29	03 47 30.1?	36.90	S	70.81	W	200	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	29	04 49 55.1*	7.016	S	146.231	E	10	G	4.3		1.3	15	EASTERN NEW GUINEA REG., P.N.G.
	29	05 06 41.9?	10.76	N	62.38	W	32	*			0.6	6	NEAR COAST OF VENEZUELA
	29	05 51 14.0?	47.95	S	99.55	E	10	G	3.7		0.9	6	SOUTHEAST INDIAN RIDGE
	29	05 57 27.0	10.497	S	118.971	E	46	*	4.5		1.4	19	SOUTH OF SUMBAWA, INDONESIA
	29	06 11 22.2*	47.894	S	99.669	E	10	G	4.3		0.9	12	SOUTHEAST INDIAN RIDGE
	29	06 42 20.7&	46.154	N	0.201	W	10	G			1.0	15	FRANCE. ML 3.3 (LDG).
a	29	07 25 49.2	47.937	S	99.467	E	10	G	5.6	6.3	1.1	154	SOUTHEAST INDIAN RIDGE. Mw 6.3 (GS), 6.4 (HRV). Ms 5.7 (BRK). Mo=2.4*10**18 Nm (PPT).
	29	07 49 36.8	13.660	N	91.263	W	33	N	4.7		1.0	94	NEAR COAST OF GUATEMALA
	29	08 08 24.9*	18.004	S	73.225	W	69	*	4.4		1.2	17	OFF COAST OF NORTHERN CHILE
	29	08 16 41.1*	52.485	N	173.327	E	33	N	4.3		1.0	32	NEAR ISLANDS, ALEUTIAN ISLANDS
	29	08 35 49.0?	18.04	N	66.97	W	10	G			0.1	4	PUERTO RICO REGION. MD 1.8 (MPR).
a	29	08 51 30.7	21.159	S	174.354	W	19	D	5.5	5.6	1.0	180	TONGA ISLANDS. Mw 6.1 (HRV).
	29	09 01 35.8&	41.237	N	125.835	W	12					9	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
	29	10 22 33.6?	38.61	N	36.27	E	10	G			1.4	7	TURKEY
	29	11 38 30.6*	28.338	N	127.754	E	33	N	4.3		0.8	6	NORTHWEST OF RYUKYU ISLANDS
a	29	12 45 25.7	7.575	S	67.964	E	10	G	4.9		1.1	103	MID-INDIAN RIDGE. Mw 5.4 (HRV).
	29	13 02 48.7&	46.208	N	119.906	W	15					79	WASHINGTON. <SEA-P>. MD 3.1 (SEA).
a	29	13 06 42.4	2.379	N	127.322	E	53	*	5.2		0.9	131	NORTHERN MOLUCCA SEA. Mw 5.3 (HRV).
	29	13 12 52.4?	40.33	N	23.02	E	5	G			1.2	4	GREECE. MD 3.1 (ATH).
	29	14 10 03.5&	38.261	N	21.076	E	5	G			1.3	5	GREECE. MD 3.0 (ATH).
	29	14 25 48.5*	6.953	S	146.159	E	38	?	3.9		0.7	8	EASTERN NEW GUINEA REG., P.N.G.
	29	17 00 01.9&	37.558	N	118.814	W	5					23	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
	29	17 46 14.7?	17.18	N	67.43	W	10	G			0.2	6	MONA PASSAGE. MD 2.7 (MPR).
	29	17 57 26.6&	40.170	N	123.182	W	35					5	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
	29	18 18 57.6?	59.96	S	150.55	E	33	N	4.2		0.4	7	WEST OF MACQUARIE ISLAND
	29	18 27 33.9*	22.056	N	99.116	E	33	?	3.8		0.9	13	MYANMAR-CHINA BORDER REGION
	29	19 43 48.3	49.833	N	159.013	E	40		4.8	4.1	0.9	121	EAST OF KURIL ISLANDS

	29	20	16	27.3	24.381	S	67.062	W	173		4.5		1.2	50	CHILE-ARGENTINA BORDER REGION
	29	21	49	37.2?	18.71	N	67.10	W	70	G			0.2	6	MONA PASSAGE. MD 2.8 (MPR).
	29	22	00	07.6*	11.080	S	112.459	E	33	N	4.1		1.2	8	SOUTH OF JAWA, INDONESIA
	29	22	10	58.6?	31.98	S	69.69	W	120	G			0.4	7	SAN JUAN PROVINCE, ARGENTINA
	29	22	12	11.9*	77.265	N	24.525	E	10	G	3.8		0.9	12	SVALBARD REGION. MD 3.8 (BER).
	29	22	52	58.2?	29.91	S	69.92	W	33	N			1.1	8	CHILE-ARGENTINA BORDER REGION
a	29	22	57	01.0	59.620	S	26.160	W	33	N	5.0		0.9	73	SOUTH SANDWICH ISLANDS REGION. Mw 5.2 (HRV).
	29	23	08	58.0&	36.691	N	121.318	W	7					86	CENTRAL CALIFORNIA. <GM-P>. MD 3.7 (GM). ML 3.5 (BRK), 3.5 (GS). Mo=2.5*10**14 Nm (BRK).
	29	23	12	08.9&	36.687	N	121.315	W	6					35	CENTRAL CALIFORNIA. <GM-P>. MD 2.5 (GM).
	29	23	12	19.2&	36.692	N	121.300	W	4					72	CENTRAL CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.3 (GS), 3.2 (BRK).
	29	23	18	12.5&	38.799	N	122.801	W	2					28	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM).
	29	23	35	56.5&	36.692	N	121.318	W	6					80	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.4 (BRK), 3.2 (GS).
	30	00	04	37.4&	59.763	N	153.471	W	131					24	SOUTHERN ALASKA. <AEIC>.
	30	00	12	34.3&	60.020	N	152.997	W	111					104	SOUTHERN ALASKA. <AEIC>.
	30	00	33	04.4?	20.49	S	175.68	W	33	N	4.3		1.1	13	TONGA ISLANDS
	30	00	44	15.9	32.898	S	70.294	W	114	?			0.2	12	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	30	00	54	51.4*	55.905	N	159.691	W	33	N			0.6	12	ALASKA PENINSULA. ML 4.0 (PMR).
	30	01	21	13.8*	5.816	S	153.438	E	70	?	4.4		0.6	25	NEW IRELAND REGION, P.N.G.
a	30	02	45	27.7	6.250	S	154.703	E	48	D	4.9	4.6	1.0	80	SOLOMON ISLANDS. Mw 5.3 (HRV).
	30	03	55	52.2?	34.55	S	71.15	W	80	G			0.2	7	NEAR COAST OF CENTRAL CHILE
	30	04	01	22.7&	42.130	N	19.300	E	10	G			0.5	5	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
	30	05	13	49.3*	10.375	N	61.506	W	42	?			0.7	8	TRINIDAD
	30	05	36	09.2?	11.15	N	63.31	W	10	G			1.3	6	CARIBBEAN SEA
	30	06	01	35.8&	37.549	N	118.819	W	5					6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM). ML 2.8 (GS).
	30	06	19	45.6	25.304	N	95.047	E	56	*	4.3		1.1	20	MYANMAR-INDIA BORDER REGION
a	30	06	39	11.9	5.333	S	153.602	E	53	*	5.1	4.7	0.9	70	NEW IRELAND REGION, P.N.G. Mw 5.3 (HRV).
	30	06	54	03.4*	5.814	S	153.128	E	33	N	4.1		1.0	13	NEW IRELAND REGION, P.N.G.
	30	07	01	48.9	43.201	N	16.550	E	10	G			0.9	18	NORTHWESTERN BALKAN REGION. ML 3.7 (VIE), 3.3 (ROM), 3.2 (LJU).
	30	09	01	00.4*	5.734	S	153.667	E	41	?	4.3		0.5	8	NEW IRELAND REGION, P.N.G.
	30	09	06	41.8*	18.753	N	145.459	E	602	*	4.3		0.9	21	MARIANA ISLANDS
	30	09	24	27.8&	44.195	N	8.638	E	5	G			0.4	7	NORTHERN ITALY. ML 2.3 (GEN).
	30	09	30	05.5	27.978	N	53.485	E	33	N	4.3		0.8	30	SOUTHERN IRAN
	30	10	16	27.0	39.774	N	15.834	E	277		3.8		0.7	28	SOUTHERN ITALY
	30	11	27	33.8	28.425	S	67.230	W	139		4.2		1.3	45	LA RIOJA PROVINCE, ARGENTINA
	30	11	51	50.0&	36.693	N	121.321	W	6					33	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.5 (GS).
	30	11	54	15.8?	27.09	N	136.84	E	389	?	4.0		1.0	13	WEST OF BONIN ISLANDS
	30	12	52	59.6	44.098	N	84.117	E	33	N	4.5	4.1	1.1	51	NORTHERN XINJIANG, CHINA. ML 4.4 (BJI).
	30	13	06	46.4&	2.752	N	127.085	E	87	?			1.0	17	NORTHERN MOLUCCA SEA
	30	13	32	53.0&	44.519	N	7.267	E	10	G			0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
	30	13	43	59.1?	34.03	S	71.17	W	60	G			0.1	4	NEAR COAST OF CENTRAL CHILE
	30	13	50	36.7*	34.715	N	137.718	E	10	G			1.2	5	NEAR S. COAST OF HONSHU, JAPAN
	30	14	28	57.6&	44.477	N	7.542	E	10	G			0.5	6	NORTHERN ITALY. ML 2.6 (LDG).
	30	14	52	50.6*	5.938	S	154.341	E	10	G	4.1		1.2	12	SOLOMON ISLANDS
	30	15	13	28.7&	44.222	N	7.462	E	5	G			0.1	5	NORTHERN ITALY. ML 2.6 (LDG).
	30	15	22	59.6?	31.58	S	69.05	W	117	?			0.4	7	SAN JUAN PROVINCE, ARGENTINA
	30	15	29	54.6&	35.791	N	117.642	W	5					93	CENTRAL CALIFORNIA. <PAS-P>. ML 4.1 (PAS). Felt in the China Lake-Ridgecrest area.
	30	15	51	25.2&	35.787	N	117.639	W	4					13	CENTRAL CALIFORNIA. <PAS-P>. ML 2.6 (PAS), 2.8 (GS).
	30	15	54	22.4&	35.796	N	117.640	W	3		4.1			68	CENTRAL CALIFORNIA. <PAS-P>. ML 3.9 (PAS). Felt in the China Lake-Ridgecrest area.
	30	16	30	07.0*	6.268	S	154.807	E	96	?	4.2		1.0	11	SOLOMON ISLANDS
	30	17	56	23.8&	35.801	N	117.638	W	5					11	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	30	19	58	34.5*	6.250	S	154.052	E	76	*	4.1		0.9	16	SOLOMON ISLANDS
	30	20	35	05.0	5.057	S	153.410	E	79	*	4.8		1.0	34	NEW IRELAND REGION, P.N.G.
	30	21	11	39.4	5.493	S	152.811	E	46	*	4.7		0.9	61	NEW BRITAIN REGION, P.N.G.
	30	21	12	39.6*	13.033	N	92.393	E	33	N	4.2		0.8	13	ANDAMAN ISLANDS, INDIA
	30	21	19	35.5*	5.972	S	153.302	E	57	?	4.4		0.9	15	NEW IRELAND REGION, P.N.G.
	30	21	42	50.2	50.389	N	18.906	E	10	G			0.7	8	POLAND. MG 2.6 (WAR).
	30	21	46	55.6	0.305	S	99.216	E	83	*	4.8		0.9	64	SOUTHERN SUMATERA, INDONESIA
	30	22	07	45.2*	17.420	S	178.436	W	631	*	4.3		0.9	30	FIJI ISLANDS REGION
a	30	23	04	04.3	19.360	S	173.464	W	10	G	5.3	5.8	1.2	115	TONGA ISLANDS. Mw 5.7 (GS), 5.8 (HRV). Mo=8.4*10**17 Nm (PPT). Depth from broadband displacement seismograms.
	30	23	24	57.1	26.577	N	128.801	E	36	D	4.5		1.1	36	RYUKYU ISLANDS
	31	00	15	08.2?	10.35	N	61.25	W	33	N			0.4	4	TRINIDAD
	31	01	58	58.7&	35.793	N	117.644	W	5					78	CENTRAL CALIFORNIA. <PAS-P>. ML 3.8 (PAS), 3.7 (GS). Felt in the Ridgecrest area.
	31	02	03	05.0?	31.30	S	69.26	W	120	G			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	31	02	17	44.4&	35.795	N	117.634	W	5					37	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.8 (GS).
	31	02	29	59.3	46.052	N	14.187	E	10	G			0.6	11	NORTHWESTERN BALKAN REGION. ML 2.7 (VIE), 2.4 (LJU). Felt (IV) at Gorenja Vas and Horjul, Slovenia.
	31	02	36	30.0*	51.777	N	5.626	E	10	G			1.2	5	THE NETHERLANDS. ML 2.5 (DBN), 1.8 (UCC).
	31	03	18	03.5	37.145	N	69.138	E	33	N	4.1		1.0	25	AFGHANISTAN-TAJIKISTAN BORD REG.
	31	04	16	34.2	14.690	S	74.349	W	39	*	4.5		1.2	39	CENTRAL PERU. Felt (II) at Ica.
	31	04	41	57.8*	10.727	S	113.304	E	33	N	3.8		0.9	10	SOUTH OF JAWA, INDONESIA
	31	05	49	30.6&	31.366	S	68.569	W	100	G			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	31	06	08	11.0&	35.025	N	118.994	W	12					60	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 2.8 (GS).
	31	06	31	47.9	31.571	S	72.203	W	10	G			0.8	17	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN).
	31	06	48	50.2&	37.543	N	118.877	W	5					46	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK), 3.0 (GS).
	31	07	02	36.9&	60.078	N	152.715	W	103					87	SOUTHERN ALASKA. <AEIC>.
a	31	08	20	55.4&	69.360	N	147.151	W	35		5.0	4.7		243	NORTHERN ALASKA. <AEIC>. Mw 5.2 (HRV). ML 5.0 (AEIC), 5.2 (PMR).
	31	10	16	40.0?	8.52	S	117.89	E	154	*	4.5		1.2	7	SUMBAWA REGION, INDONESIA
	31	10	19	01.1*	16.584	S	71.365	W	99	D	4.4		1.2	26	SOUTHERN PERU. Felt (III) at Arequipa and Moquegua.
	31	10	31	15.9&	69.269	N	147.348	W	32		4.1			73	NORTHERN ALASKA. <AEIC>. ML 4.3 (AEIC), 4.3 (PMR).
	31	10	39	29.2	22.639	S	66.211	W	260	D	4.3		1.1	53	JUJUY PROVINCE, ARGENTINA
	31	11	42	58.9&	34.380	N	116.455	W	2					25	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt.
	31	12	00	16.1?	11.27	N	62.52	W	150	G			0.4	4	WINDWARD ISLANDS

	31	12	08	51.0	46.871	N	6.708	E	5	G	0.8	20	SWITZERLAND. ML 3.0 (LDG).
	31	12	19	29.7*	5.473	S	152.720	E	33	N 4.2	1.1	14	NEW BRITAIN REGION, P.N.G.
	31	13	32	01.7&	59.369	N	150.992	W	41	4.1		127	KENAI PENINSULA, ALASKA. <AEIC>. ML 4.0 (AEIC), 4.1 (PMR). Felt (III) at Homer.
	31	13	36	16.6	27.971	S	66.855	W	159	4.4	1.3	52	CATAMARCA PROVINCE, ARGENTINA
	31	13	50	45.3?	6.17	S	147.94	E	67	* 3.7	1.0	6	EASTERN NEW GUINEA REG., P.N.G.
	31	14	31	36.5%	33.205	S	70.970	W	70	G	0.6	9	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
	31	14	37	05.2%	31.726	S	68.284	W	100	G	0.1	7	SAN JUAN PROVINCE, ARGENTINA
	31	15	49	18.0	5.815	S	107.122	E	271	4.8	1.0	63	JAWA, INDONESIA
	31	15	50	17.9?	5.68	S	106.69	E	253	* 4.3	1.3	14	JAWA, INDONESIA
	31	16	14	29.7*	18.870	S	173.767	W	33	N 4.8	1.3	17	TONGA ISLANDS
	31	16	43	18.3?	23.91	S	178.94	E	531	? 4.5	0.9	9	SOUTH OF FIJI ISLANDS
	31	16	47	03.8&	34.924	N	116.925	W	0			8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS), 2.3 (GS). Felt at Barstow.
	31	17	01	05.8%	37.302	N	2.312	W	10	G	0.9	5	SPAIN. mbLg 2.4 (MDD).
a	31	17	10	35.0	15.838	S	166.426	E	17	G 6.1 6.4	1.0	460	VANUATU ISLANDS. Mw 6.4 (GS), 6.4 (HRV). Me 6.1 (GS). Ms 6.6 (BRK). Mo=8.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	31	17	22	28.2*	4.634	N	82.623	W	33	N 4.4	1.3	13	SOUTH OF PANAMA
	31	19	33	45.0	51.594	N	16.712	E	10	G	1.0	13	POLAND. ML 2.8 (MOX), 2.4 (CLL).
	31	20	26	42.5	36.582	N	71.174	E	234	D 4.6	0.8	169	AFGHANISTAN-TAJIKISTAN BORD REG.
a	31	20	39	44.7	21.207	S	174.287	W	33	N 5.2 5.1	1.1	118	TONGA ISLANDS. Mw 5.6 (HRV).
	31	21	01	05.8%	44.341	N	7.290	E	5	G	0.2	6	NORTHERN ITALY. ML 2.1 (GEN).
	31	21	14	16.7?	5.56	S	147.05	E	198	* 5.2	1.1	10	EASTERN NEW GUINEA REG., P.N.G.
	31	21	57	02.3*	55.109	S	32.040	W	10	G 4.4	1.3	15	SOUTH GEORGIA ISLAND REGION
	31	22	02	23.1?	34.47	S	70.38	W	120	G	0.2	9	CHILE-ARGENTINA BORDER REGION
	31	22	12	14.0*	51.761	N	175.672	W	33	N 4.2	1.2	25	ANDREANOF ISLANDS, ALEUTIAN IS.
	31	22	15	05.7	23.985	S	70.165	W	43	D 4.5	1.1	28	NEAR COAST OF NORTHERN CHILE
	31	23	05	19.5?	29.19	N	34.82	E	10	G	0.4	7	EGYPT. ML 3.7 (JER).
	31	23	23	26.7	37.019	N	22.408	E	28	4.0	1.2	29	SOUTHERN GREECE. MD 3.5 (ATH).
	31	23	53	53.3?	33.25	S	72.92	W	10	G	0.6	12	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).

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 02 10 40.80 46.391N 153.843E 41km
5.7mb (142 obs.) 4.7Msz (40 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 31S, 53C
Centroid Location:
Origin Time 02:10:39.6 0.5
Lat 46.33N 0.05 Lon 153.98E 0.06
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.37	18	343
N	0.50	72	163
P	-8.88	0	73

Best Double Couple:Mo=8.6*10**16
NP1:Strike=119 Dip=77 Slip= 13
NP2: 26 77 167

01 05 10 57.48 24.914S 70.916W 30km
5.2mb (40 obs.) 4.5Msz (26 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 29S, 38C
Centroid Location:
Origin Time 05:11: 1.6 0.4
Lat 25.11S 0.06 Lon 71.32W 0.08
Dep 30.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.06	71	108
N	2.17	16	320
P	-7.23	10	227

Best Double Couple:Mo=6.1*10**16
NP1:Strike=299 Dip=38 Slip= 64
NP2: 151 56 109

01 15 44 30.62 24.124S 70.771W 30km
5.2mb (36 obs.) 4.3Msz (3 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 29S, 37C
Centroid Location:
Origin Time 15:44:35.6 0.4
Lat 24.26S 0.05 Lon 71.26W 0.05
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.44	66	121
N	0.30	10	7
P	-10.74	22	273

Best Double Couple:Mo=1.1*10**17
NP1:Strike=344 Dip=25 Slip= 65
NP2: 191 68 101

02 00 14 09.44 23.230S 70.677W 33km
5.4mb (63 obs.) 5.5Msz (51 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 65S,141C
Centroid Location:
Origin Time 00:14:14.4 0.1
Lat 23.05S 0.02 Lon 71.20W 0.02
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	10.85	60	67
N	0.48	8	170
P	-11.33	29	265

Best Double Couple:Mo=1.1*10**18
NP1:Strike= 16 Dip=18 Slip= 117
NP2: 168 74 82

02 11 05 38.97 23.119S 70.405W 33km
5.2mb (39 obs.) 5.2Msz (38 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 60S,115C
Centroid Location:
Origin Time 11:05:44.0 0.1
Lat 23.03S 0.02 Lon 71.07W 0.02
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.84	56	63
N	-0.27	9	166
P	-5.57	33	262

Best Double Couple:Mo=5.7*10**17
NP1:Strike= 23 Dip=15 Slip= 128
NP2: 165 78 81

02 16 27 32.68 23.432S 70.571W 33km
5.1mb (41 obs.) 5.1Msz (38 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 63S,117C
Centroid Location:
Origin Time 16:27:37.3 0.1
Lat 23.28S 0.02 Lon 70.99W 0.02
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.93	55	63
N	-0.07	14	175
P	-4.86	31	274

Best Double Couple:Mo=4.9*10**17
NP1:Strike= 42 Dip=19 Slip= 139
NP2: 172 78 75

02 21 39 36.84 32.781S 178.700W 100km
5.0mb (18 obs.) 5.2Msz (7 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 48S, 79C
Centroid Location:
Origin Time 21:39:31.8 0.3
Lat 32.72S 0.05 Lon 178.25W 0.04
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.32	64	286
N	0.19	0	17
P	-1.51	26	107

Best Double Couple:Mo=1.4*10**17
NP1:Strike=197 Dip=19 Slip= 91
NP2: 17 71 90

03 01 16 39.81 80.280N 2.801W 10km
4.9mb (99 obs.) 4.7Msz (15 obs.)
NORTH OF SVALBARD
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 36S, 57C
Centroid Location:
Origin Time 01:16:42.6 0.3
Lat 80.30N 0.04 Lon 3.92W 0.24
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.90	12	74
N	-1.98	70	200
P	-7.93	16	341

Best Double Couple:Mo=8.9*10**16
NP1:Strike=118 Dip=70 Slip=-177
NP2: 27 88 -20

03 01 57 19.90 23.062S 70.588W 17km
5.4mb (90 obs.) 6.0Msz (56 obs.)
NEAR COAST OF NORTHERN CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=170 Dip=78 Slip= 90
NP2: 350 12 90
Principal Axes:

	Plg=	Azm=
T	57	80
P	33	260

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 10 No. of sta: 49
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.84	45	38
N	-0.01	40	187
P	-2.83	16	291

Best Double Couple:Mo=2.8*10**18

NP1:Strike= 63 Dip=45 Slip= 155
NP2: 171 72 48
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 76S,183C M.W.: 62S, 99C
Centroid Location:
Origin Time 01:57:28.9 0.1
Lat 23.02S 0.01 Lon 70.96W 0.01
Dep 15.0 FIX Half-duration 3.8
Principal Axes:
Scale 10**18 Nm
T Val= 3.72 Plg=56 Azm= 73
N 0.06 4 169
P -3.79 34 262
Best Double Couple:Mo=3.8*10**18
NP1:Strike= 11 Dip=12 Slip= 112
NP2: 168 79 85

03 08 18 53.92 28.281S 69.239W 104km
5.9mb (88 obs.)
CHILE-ARGENTINA BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=318 Dip=50 Slip= -90
NP2: 138 40 -90
Principal Axes:
T Plg= 5 Azm= 48
P 85 228
Comment: The focal mechanism is poorly controlled and corresponds to down-dip tension. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 4.6±0.8*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 109 No. of sta: 44
Principal Axes:
Scale 10**17 Nm
T Val= 6.03 Plg= 5 Azm=257
N 0.22 2 347
P -6.25 85 97
Best Double Couple:Mo=6.2*10**17
NP1:Strike=345 Dip=40 Slip= -93
NP2: 169 50 -88
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 76S,148C
Centroid Location:
Origin Time 08:19: 1.5 0.1
Lat 28.26S 0.01 Lon 69.22W 0.02
Dep 121.2 0.7 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 6.01 Plg= 9 Azm=255
N 0.54 6 346
P -6.54 79 108
Best Double Couple:Mo=6.3*10**17
NP1:Strike=338 Dip=36 Slip=-100
NP2: 170 54 -83

03 12 00 27.70 23.032S 70.562W 33km
5.0mb (40 obs.) 4.5Msz (28 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 21S, 30C
Centroid Location:
Origin Time 12:00:32.2 0.5
Lat 22.29S 0.07 Lon 69.91W 0.07
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 11.92 Plg=31 Azm= 55
N -2.87 28 164
P -9.05 46 287
Best Double Couple:Mo=1.0*10**17
NP1:Strike= 92 Dip=29 Slip=-164
NP2: 348 82 -62

03 14 19 04.67 22.954S 70.403W 33km
5.2mb (33 obs.) 5.1Msz (28 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 52S, 78C
Centroid Location:
Origin Time 14:19: 9.3 0.2
Lat 22.39S 0.03 Lon 70.12W 0.05
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.86 Plg=42 Azm= 67
N -0.63 10 166
P -3.23 46 267
Best Double Couple:Mo=3.5*10**17
NP1:Strike= 87 Dip=10 Slip=-170
NP2: 347 88 -80

04 06 38 33.19 32.674S 178.448W 33km
5.2mb (18 obs.) 5.0Msz (5 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 49S, 79C
Centroid Location:
Origin Time 06:38:36.3 0.3
Lat 32.77S 0.03 Lon 177.80W 0.03
Dep 15.0 BDY Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 10.04 Plg=68 Azm=270
N 2.13 6 14
P -12.17 21 107
Best Double Couple:Mo=1.1*10**17
NP1:Strike=207 Dip=24 Slip= 104
NP2: 12 66 84

04 13 31 48.97 52.839N 152.880E 529km
5.3mb (157 obs.)
NORTHWEST OF KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 57S,111C
Centroid Location:
Origin Time 13:31:52.7 0.2
Lat 52.77N 0.02 Lon 152.77E 0.03
Dep 531.1 1.4 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.80 Plg= 2 Azm=225
N -0.33 35 133
P -2.46 55 318
Best Double Couple:Mo=2.6*10**17
NP1:Strike=345 Dip=53 Slip= -44
NP2: 105 56 -133

05 19 42 49.29 16.255S 177.893E 33km
5.5mb (56 obs.) 5.2Msz (43 obs.)
FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 56S,111C
Centroid Location:
Origin Time 19:42:55.9 0.2
Lat 16.28S 0.02 Lon 177.80E 0.02
Dep 15.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 4.68 Plg= 8 Azm=291
N -1.58 19 24
P -3.10 69 179
Best Double Couple:Mo=3.9*10**17
NP1:Strike=359 Dip=40 Slip=-121
NP2: 217 56 -66

05 22 42 03.21 22.563S 10.778W 10km
5.4mb (82 obs.) 5.4Msz (42 obs.)
SOUTHERN MID-ATLANTIC RIDGE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=230 Dip=85 Slip= 90
NP2: 50 5 90
Principal Axes:
T Plg=50 Azm=140
P 40 320
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 3 No. of sta: 15
Principal Axes:
Scale 10**17 Nm
T Val= 2.93 Plg=50 Azm=160
N -0.46 11 57
P -2.47 38 318
Best Double Couple:Mo=2.7*10**17
NP1:Strike=358 Dip=13 Slip= 30
NP2: 238 84 101
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 55S, 91C
Centroid Location:
Origin Time 22:42: 7.6 0.2
Lat 22.75S 0.02 Lon 10.55W 0.03
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.12 Plg=83 Azm=165
N 0.28 0 255
P -2.40 7 345
Best Double Couple:Mo=2.3*10**17
NP1:Strike= 75 Dip=38 Slip= 90
NP2: 255 52 90

06 11 59 34.85 44.376N 147.271E 75km
5.4mb (158 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 54S, 95C
Centroid Location:
Origin Time 11:59:38.9 0.2
Lat 44.35N 0.02 Lon 147.53E 0.03
Dep 60.6 2.3 Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.80 Plg=28 Azm=126
N -0.05 8 32
P -1.75 60 288
Best Double Couple:Mo=1.8*10**17
NP1:Strike=238 Dip=18 Slip= -63
NP2: 30 74 -98

07 05 27 52.52 59.378S 151.161W 10km
4.9mb (9 obs.) 5.6Msz (35 obs.)
PACIFIC-ANTARCTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 62S,132C
Centroid Location:
Origin Time 05:28: 1.4 0.1
Lat 59.52S 0.02 Lon 151.18W 0.03
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.95 Plg= 6 Azm=166
N -0.53 80 41
P -4.41 8 257
Best Double Couple:Mo=4.7*10**17
NP1:Strike=301 Dip=80 Slip= -2
NP2: 32 88 -170

07 19 44 25.43 4.041N 143.770E 13km
5.4mb (65 obs.) 5.7Msz (54 obs.)
E. CAROLINE ISLANDS, MICRONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=187 Dip=85 Slip= 176
NP2: 277 86 5
Principal Axes:
T Plg= 6 Azm=142
P 1 52
Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 17 No. of sta: 36
Principal Axes:
Scale 10**18 Nm
T Val= 1.68 Plg= 3 Azm=331
N 0.18 87 114
P -1.86 2 241
Best Double Couple:Mo=1.8*10**18
NP1:Strike= 16 Dip=87 Slip= 180
NP2: 106 90 3
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 70S,155C M.W.: 58S,107C
Centroid Location:
Origin Time 19:44:31.8 0.1
Lat 4.06N 0.01 Lon 143.79E 0.01
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**18 Nm
T Val= 1.74 Plg= 7 Azm=148
N 0.57 82 350
P -2.32 3 238
Best Double Couple:Mo=2.0*10**18
NP1:Strike=283 Dip=83 Slip= 3
NP2: 193 87 173

08 00 35 23.86 11.827N 125.824E 32km
5.4mb (85 obs.) 5.0Msz (34 obs.)
SAMAR, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN

L.P.B.: 39S, 58C
Centroid Location:
Origin Time 00:35:24.4 0.3
Lat 11.61N 0.05 Lon 126.29E 0.04
Dep 22.8 2.7 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 11.57 Plg=69 Azm=228
N -0.78 13 356
P -10.79 16 90
Best Double Couple:Mo=1.1*10**17
NP1:Strike=198 Dip=32 Slip= 116
NP2: 349 62 75

08 06 34 53.71 11.862N 125.771E 33km
4.9mb (47 obs.) 5.0Msz (6 obs.)
SAMAR, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 31S, 37C
Centroid Location:
Origin Time 06:34:54.6 0.4
Lat 11.85N 0.07 Lon 125.99E 0.06
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.17 Plg=57 Azm=284
N -0.06 9 180
P -1.11 31 84
Best Double Couple:Mo=1.1*10**17
NP1:Strike=146 Dip=16 Slip= 55
NP2: 2 77 99

08 15 33 44.89 23.208S 169.147E 10km
5.1mb (29 obs.) 5.0Msz (40 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 60S,111C
Centroid Location:
Origin Time 15:33:49.3 0.2
Lat 23.05S 0.02 Lon 169.35E 0.03
Dep 15.0 BDY Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.66 Plg= 9 Azm=165
N 0.20 8 74
P -1.86 78 304
Best Double Couple:Mo=1.8*10**17
NP1:Strike=265 Dip=36 Slip= -77
NP2: 68 55 -100

09 07 20 37.48 24.475S 70.190W 34km
5.0mb (28 obs.) 4.2Msz (19 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 21S, 24C
Centroid Location:
Origin Time 07:20:42.7 0.6
Lat 24.34S 0.09 Lon 70.62W 0.09
Dep 18.5 5.7 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 9.45 Plg=53 Azm= 66
N -0.12 16 179
P -9.33 32 279
Best Double Couple:Mo=9.4*10**16
NP1:Strike= 52 Dip=20 Slip= 145
NP2: 176 79 73

09 08 23 01.11 23.097S 70.151W 35km
5.3mb (67 obs.) 4.7Msz (28 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 53S, 77C
Centroid Location:
Origin Time 08:23: 7.5 0.2
Lat 23.14S 0.03 Lon 71.14W 0.03
Dep 18.7 1.7 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 1.87 Plg=60 Azm= 46
N -0.11 15 164
P -1.76 25 261
Best Double Couple:Mo=1.8*10**17
NP1:Strike= 22 Dip=24 Slip= 130
NP2: 159 72 74

10 00 41 04.45 15.473S 41.604E 10km
5.1mb (68 obs.) 5.0Msz (30 obs.)
MOZAMBIQUE CHANNEL
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 39S, 56C
Centroid Location:
Origin Time 00:41: 8.7 0.3
Lat 15.51S 0.04 Lon 41.41E 0.04
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.67 Plg= 7 Azm=259
N 0.23 16 351
P -8.90 73 147
Best Double Couple:Mo=8.8*10**16
NP1:Strike=332 Dip=41 Slip=-115
NP2: 183 54 -70

10 17 38 12.06 15.945S 177.366W 20km
4.9mb (41 obs.) 4.9Msz (8 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 35S, 61C
Centroid Location:
Origin Time 17:38:17.3 0.4
Lat 15.65S 0.03 Lon 177.06W 0.04
Dep 18.8 3.7 Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.25 Plg=10 Azm= 95
N -0.04 75 325
P -1.21 11 187
Best Double Couple:Mo=1.2*10**17
NP1:Strike=231 Dip=75 Slip= -1
NP2: 321 89 -165

10 18 10 37.20 23.769S 70.567W 33km
5.4mb (64 obs.) 4.7Msz (32 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 17S, 21C
Centroid Location:
Origin Time 18:10:39.7 0.7
Lat 23.69S 0.09 Lon 71.05W 0.09
Dep 29.2 5.1 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.54 Plg=60 Azm=250
N -0.68 14 6
P -5.86 26 103
Best Double Couple:Mo=6.2*10**16
NP1:Strike=222 Dip=23 Slip= 128
NP2: 1 72 75

11 09 19 21.63 23.199S 170.813E 16km
5.6mb (68 obs.) 5.1Msz (49 obs.)
LOYALTY ISLANDS REGION
MOMENT TENSOR SOLUTION
Dep 17 No. of sta: 28
Principal Axes:
Scale 10**17 Nm
T Val= 1.84 Plg=15 Azm= 18
N -0.02 1 288
P -1.82 75 193
Best Double Couple:Mo=1.8*10**17
NP1:Strike=111 Dip=30 Slip= -87
NP2: 287 60 -92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 64S,121C
Centroid Location:
Origin Time 09:19:27.0 0.2
Lat 23.32S 0.02 Lon 170.81E 0.03
Dep 20.6 1.2 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.16 Plg= 5 Azm= 1
N -0.07 5 91
P -2.09 83 224
Best Double Couple:Mo=2.1*10**17
NP1:Strike= 86 Dip=40 Slip= -97
NP2: 275 50 -84

11 10 14 45.67 23.629S 66.709W 215km
4.9mb (46 obs.)
JUJUY PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 33S, 42C
Centroid Location:
Origin Time 10:14:52.8 0.3
Lat 23.47S 0.04 Lon 66.98W 0.05
Dep 223.2 2.4 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 14.34 Plg=25 Azm= 56
N -4.35 17 318
P -10.00 59 196
Best Double Couple:Mo=1.2*10**17
NP1:Strike=178 Dip=25 Slip= -46
NP2: 312 72 -108

11 13 47 21.71 2.546N 84.447W 10km
5.0mb (55 obs.) 4.3Msz (9 obs.)
OFF COAST OF CENTRAL AMERICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 36S, 53C
Centroid Location:
Origin Time 13:47:27.5 0.6
Lat 2.91N 0.05 Lon 84.03W 0.07
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.84 Plg= 0 Azm=164
N -0.15 90 180
P -5.69 0 74
Best Double Couple:Mo=5.8*10**16
NP1:Strike=209 Dip=90 Slip=-180
NP2: 299 90 0

12 03 39 07.10 16.071S 179.384W 33km
4.8mb (21 obs.) 4.7Msz (27 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 28S, 42C
Centroid Location:
Origin Time 03:39:11.9 0.7
Lat 15.67S 0.08 Lon 179.72W 0.07
Dep 17.5 5.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.65 Plg=19 Azm=145
N -1.02 66 5
P -7.63 14 240
Best Double Couple:Mo=8.1*10**16
NP1:Strike=283 Dip=66 Slip= 3
NP2: 192 87 156

12 04 06 19.38 2.827S 138.474E 33km
5.0mb (43 obs.) 5.2Msz (39 obs.)
IRIAN JAYA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 36S, 53C
Centroid Location:
Origin Time 04:06:23.6 0.4
Lat 3.03S 0.05 Lon 138.77E 0.04
Dep 67.6 4.3 Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.68 Plg=22 Azm=227
N 0.07 33 122
P -1.75 49 344
Best Double Couple:Mo=1.7*10**17
NP1:Strike= 0 Dip=37 Slip= -26
NP2: 112 74 -124

12 14 00 18.59 3.484S 149.130E 33km
4.6mb (25 obs.) 5.2Msz (34 obs.)
BISMARCK SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 49S, 79C
Centroid Location:
Origin Time 14:00:19.9 0.4
Lat 3.49S 0.04 Lon 149.40E 0.04
Dep 16.6 3.7 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 2.36 Plg=24 Azm=328
N -0.25 64 124
P -2.11 10 234
Best Double Couple:Mo=2.2*10**17
NP1:Strike= 9 Dip=66 Slip= 169
NP2: 103 80 24

12 22 44 20.17 43.302N 147.626E 33km
5.0mb (123 obs.) 4.4Msz (19 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 20S, 26C
Centroid Location:
Origin Time 22:44:20.0 0.9

Lat 43.15N 0.09 Lon 147.79E 0.15
Dep 27.0 5.5 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 10.77 Plg=55 Azm=297
N 0.38 1 205
P -11.15 35 114
Best Double Couple:Mo=1.1*10**17
NP1:Strike=198 Dip=10 Slip= 82
NP2: 25 80 91

14 04 37 17.50 4.836S 151.515E 128km
6.4mb (119 obs.)
NEW BRITAIN REGION, P.N.G.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 40 Dip=70 Slip= 85
NP2: 234 21 103
Principal Axes:
T Plg=65 Azm=302
P 25 134
Comment: The focal mechanism is poorly controlled and corresponds to down-dip tension. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 18 Focal mech. F
Energy 1.6±0.3*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 132 No. of sta: 49
Principal Axes:
Scale 10**19 Nm
T Val= 1.22 Plg=62 Azm=273
N -0.05 11 23
P -1.18 26 118
Best Double Couple:Mo=1.2*10**19
NP1:Strike=231 Dip=21 Slip= 120
NP2: 19 72 79
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 73S,189C M.W.: 66S,155C
Centroid Location:
Origin Time 04:37:24.9 0.1
Lat 4.90S 0.01 Lon 151.80E 0.01
Dep 140.4 0.2 Half-duration 5.7
Principal Axes:
Scale 10**19 Nm
T Val= 1.52 Plg=61 Azm=283
N -0.25 12 34
P -1.27 27 130
Best Double Couple:Mo=1.4*10**19
NP1:Strike=246 Dip=21 Slip= 124
NP2: 30 73 78

16 01 22 38.20 23.631S 179.054E 540km
5.3mb (79 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 27S, 45C
Centroid Location:
Origin Time 01:22:47.0 0.2
Lat 23.35S 0.02 Lon 179.03E 0.02
Dep 572.7 1.2 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.85 Plg=11 Azm= 28
N -1.04 13 121
P -3.82 73 260
Best Double Couple:Mo=4.3*10**17
NP1:Strike=102 Dip=36 Slip=-113
NP2: 310 57 -74

16 03 34 12.93 29.316S 112.764W 10km
4.9mb (19 obs.) 5.3Msz (5 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 57S, 92C
Centroid Location:
Origin Time 03:34:21.8 0.2
Lat 29.38S 0.02 Lon 112.68W 0.02
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.35 Plg= 0 Azm=242
N -0.32 90 180
P -2.03 0 152
Best Double Couple:Mo=2.2*10**17
NP1:Strike=287 Dip=90 Slip=-180
NP2: 17 90 0

16 08 17 12.21 29.262S 112.634W 10km
5.2mb (34 obs.) 5.4Msz (36 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 56S, 98C
Centroid Location:
Origin Time 08:17:20.6 0.2
Lat 29.43S 0.02 Lon 112.74W 0.02
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.29 Plg= 0 Azm=249
N -0.32 90 180
P -2.96 0 159
Best Double Couple:Mo=3.1*10**17
NP1:Strike=294 Dip=90 Slip=-180
NP2: 24 90 0

16 10 27 28.63 5.799S 154.178E 30km
6.5mb (106 obs.) 7.8Msz (71 obs.)
SOLOMON ISLANDS
RADIATED ENERGY
No. of sta: 10 Focal mech. M
Energy 1.8±0.4*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 37 No. of sta: 47
Principal Axes:
Scale 10**20 Nm
T Val= 2.37 Plg=88 Azm= 2
N 0.39 1 143
P -2.76 1 233
Best Double Couple:Mo=2.6*10**20
NP1:Strike=324 Dip=44 Slip= 92
NP2: 141 46 88
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
M.W.: 75S,198C
Centroid Location:
Origin Time 10:28: 0.7 0.1
Lat 5.51S 0.01 Lon 153.64E 0.01
Dep 45.6 0.2 Half-duration 17.5
Principal Axes:
Scale 10**20 Nm
T Val= 4.64 Plg=86 Azm=259
N -0.03 2 139
P -4.61 3 48
Best Double Couple:Mo=4.6*10**20
NP1:Strike=136 Dip=42 Slip= 87
NP2: 320 48 92

16 16 24 26.52 5.429S 153.773E 19km
5.8mb (85 obs.) 6.7Msz (71 obs.)
NEW IRELAND REGION, P.N.G.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=135 Dip=55 Slip= 90
NP2: 315 35 90
Principal Axes:
T Plg=80 Azm= 45
P 10 225
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 23 Focal mech. F
Energy 9.1±1.6*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 22 No. of sta: 43
Principal Axes:
Scale 10**18 Nm
T Val= 6.11 Plg=74 Azm=173
N 1.53 16 342
P -7.64 3 73
Best Double Couple:Mo=6.9*10**18
NP1:Strike=178 Dip=44 Slip= 113
NP2: 328 50 70
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 78S,177C
Centroid Location:
Origin Time 16:24:34.6 0.1
Lat 5.46S 0.01 Lon 153.57E 0.01
Dep 39.0 1.0 Half-duration 4.6
Principal Axes:
Scale 10**18 Nm
T Val= 8.43 Plg=74 Azm= 13
N -0.13 13 154
P -8.30 10 247
Best Double Couple:Mo=8.4*10**18
NP1:Strike=352 Dip=37 Slip= 112
NP2: 145 56 74

16 20 58 50.83 28.460N 128.067E 21km
5.3mb (84 obs.) 5.5Msz (40 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 28S, 51C
Centroid Location:
Origin Time 20:58:54.2 0.3
Lat 28.57N 0.04 Lon 127.99E 0.05
Dep 33.7 4.0 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 5.05 Plg= 6 Azm=334
N -1.11 84 165
P -3.94 1 64
Best Double Couple:Mo=4.5*10**17
NP1:Strike=109 Dip=85 Slip= 4
NP2: 19 86 175

16 23 10 23.98 5.771S 154.347E 33km
6.2mb (119 obs.) 7.2Msz (60 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=125 Dip=45 Slip= 90
NP2: 305 45 90
Principal Axes:
T Plg=90 Azm= 0
P 0 35
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 24 Focal mech. F
Energy 3.2±0.5*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 36 No. of sta: 38
Principal Axes:
Scale 10**19 Nm
T Val= 5.27 Plg=71 Azm=111
N 2.66 16 319
P -7.92 8 226
Best Double Couple:Mo=6.6*10**19
NP1:Strike=298 Dip=40 Slip= 64
NP2: 151 55 110
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
M.W.: 70S,181C
Centroid Location:
Origin Time 23:10:48.3 0.1
Lat 6.08S 0.01 Lon 154.19E 0.01
Dep 45.0 0.3 Half-duration 8.7
Principal Axes:
Scale 10**19 Nm
T Val= 6.87 Plg=89 Azm=157
N 0.22 1 312
P -7.09 0 42
Best Double Couple:Mo=7.0*10**19
NP1:Strike=133 Dip=45 Slip= 91
NP2: 311 45 89

17 00 15 50.47 5.934S 154.213E 14km
6.1mb (102 obs.) 6.4Msz (47 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 23S, 35C M.W.: 1S, 1C
Centroid Location:
Origin Time 00:16: 0.0 0.5
Lat 6.13S 0.06 Lon 154.11E 0.06
Dep 33.0 FIX Half-duration 3.6
Principal Axes:
Scale 10**18 Nm
T Val= 3.94 Plg=87 Azm= 81
N 0.55 1 333
P -4.49 3 243
Best Double Couple:Mo=4.2*10**18
NP1:Strike=331 Dip=42 Slip= 88
NP2: 154 48 91

17 05 35 37.17 21.848S 170.436E 73km
5.7mb (71 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 63S,146C
Centroid Location:
Origin Time 05:35:42.9 0.2
Lat 21.78S 0.02 Lon 170.32E 0.02
Dep 66.3 1.4 Half-duration 2.6
Principal Axes:
Scale 10**18 Nm

T Val= 1.55 Plg=27 Azm=311
N -0.28 49 78
P -1.27 28 206
Best Double Couple:Mo=1.4*10**18
NP1:Strike=348 Dip=49 Slip=-180
NP2: 258 90 -41

17 10 01 25.99 5.168S 153.447E 21km
5.6mb (79 obs.) 6.4Msz (81 obs.)
NEW IRELAND REGION, P.N.G.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 70 Dip=82 Slip= 90
NP2: 250 8 90
Principal Axes:
T Plg=53 Azm=340
P 37 160
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 12 Focal mech. M
Energy 1.4±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 24 No. of sta: 46
Principal Axes:
Scale 10**18 Nm
T Val= 2.07 Plg=54 Azm= 21
N -0.30 27 246
P -1.77 21 144
Best Double Couple:Mo=1.9*10**18
NP1:Strike=195 Dip=34 Slip= 35
NP2: 76 72 119
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 74S,186C M.W.: 48S, 81C
Centroid Location:
Origin Time 10:01:37.2 0.1
Lat 5.44S 0.01 Lon 153.50E 0.01
Dep 28.4 0.6 Half-duration 3.6
Principal Axes:
Scale 10**18 Nm
T Val= 4.91 Plg=49 Azm= 13
N -1.33 29 244
P -3.58 26 138
Best Double Couple:Mo=4.2*10**18
NP1:Strike=183 Dip=32 Slip= 25
NP2: 71 77 119

17 12 31 56.09 6.267S 154.517E 33km
5.2mb (50 obs.) 5.4Msz (39 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 59S,101C
Centroid Location:
Origin Time 12:32: 0.5 0.2
Lat 6.52S 0.02 Lon 154.45E 0.02
Dep 34.5 1.7 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 4.50 Plg=66 Azm=351
N -0.49 15 119
P -4.01 18 214
Best Double Couple:Mo=4.2*10**17
NP1:Strike=327 Dip=30 Slip= 121
NP2: 112 64 73

17 18 03 02.77 5.009S 153.649E 36km
5.2mb (38 obs.) 4.8Msz (4 obs.)
NEW IRELAND REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 46S, 68C
Centroid Location:
Origin Time 18:03: 8.8 0.3
Lat 5.04S 0.03 Lon 153.57E 0.03
Dep 57.0 2.8 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.61 Plg=81 Azm=358
N 0.00 9 158
P -1.61 3 249
Best Double Couple:Mo=1.6*10**17
NP1:Strike=348 Dip=43 Slip= 103
NP2: 150 49 78

17 18 09 57.95 6.079S 154.394E 22km
5.4mb (63 obs.) 5.5Msz (48 obs.)
SOLOMON ISLANDS
MOMENT TENSOR SOLUTION
Dep 28 No. of sta: 34
Principal Axes:
Scale 10**17 Nm
T Val= 3.20 Plg=77 Azm= 70
N 0.11 5 184
P -3.31 12 275
Best Double Couple:Mo=3.3*10**17
NP1:Strike= 11 Dip=33 Slip= 99
NP2: 180 57 84
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 68S,114C
Centroid Location:
Origin Time 18:10: 4.3 0.2
Lat 6.19S 0.02 Lon 154.28E 0.02
Dep 26.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 4.76 Plg=71 Azm= 43
N 0.55 3 142
P -5.31 19 233
Best Double Couple:Mo=5.0*10**17
NP1:Strike=328 Dip=27 Slip= 97
NP2: 140 64 87

17 22 39 59.00 35.776N 117.662W 6km
5.3mb (82 obs.) 5.2Msz (6 obs.)
CENTRAL CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 21S, 38C
Centroid Location:
Origin Time 22:40: 4.1 0.3
Lat 35.85N 0.07 Lon 118.06W 0.07
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.67 Plg= 6 Azm=289
N -0.21 38 194
P -1.46 51 27
Best Double Couple:Mo=1.6*10**17
NP1:Strike= 54 Dip=52 Slip= -37
NP2: 169 62 -135

17 23 14 19.03 36.443N 71.129E 234km
5.5mb (171 obs.)
AFGHANISTAN-TAJIKISTAN BORD REG.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 5 Dip=65 Slip= 70
NP2: 226 32 126
Principal Axes:
T Plg=64 Azm=241
P 18 110
Comment: The focal mechanism is well controlled and corresponds to down-dip pressure. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 242 No. of sta: 18
Principal Axes:
Scale 10**17 Nm
T Val= 2.80 Plg=58 Azm=242
N 0.00 27 27
P -2.80 16 125
Best Double Couple:Mo=2.8*10**17
NP1:Strike=248 Dip=38 Slip= 138
NP2: 13 66 60
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 50S, 90C
Centroid Location:
Origin Time 23:14:20.2 0.3
Lat 36.22N 0.03 Lon 71.18E 0.03
Dep 243.5 1.7 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.77 Plg=56 Azm=250
N -1.05 19 10
P -2.72 28 110
Best Double Couple:Mo=3.2*10**17
NP1:Strike=239 Dip=24 Slip= 141
NP2: 5 75 71

17 23 39 22.04 9.048N 58.115E 10km
5.0mb (58 obs.) 4.8Msz (8 obs.)
CARLSBERG RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 30S, 51C
Centroid Location:
Origin Time 23:39:23.3 0.8
Lat 9.15N 0.07 Lon 57.96E 0.05
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.27 Plg= 0 Azm=202
N -0.02 0 112
P -1.24 90 180
Best Double Couple:Mo=1.3*10**17
NP1:Strike=292 Dip=45 Slip= -90
NP2: 112 45 -90

18 01 57 18.57 13.198N 145.179E 71km
5.3mb (78 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 31S, 52C
Centroid Location:
Origin Time 01:57:16.3 0.5
Lat 12.89N 0.05 Lon 145.48E 0.05
Dep 29.3 4.3 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 9.38 Plg=68 Azm= 11
N -0.73 10 127
P -8.65 20 220
Best Double Couple:Mo=9.0*10**16
NP1:Strike=327 Dip=27 Slip= 113
NP2: 122 65 79

18 02 16 25.99 55.934S 28.832W 42km
5.7mb (23 obs.) 5.8Msz (39 obs.)
SOUTH SANDWICH ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=255 Dip=74 Slip= 23
NP2: 158 68 163
Principal Axes:
T Plg=27 Azm=118
P 4 26
Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 5.3±0.9*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 43 No. of sta: 20
Principal Axes:
Scale 10**18 Nm
T Val= 2.54 Plg=31 Azm=124
N -0.31 57 280
P -2.23 11 27
Best Double Couple:Mo=2.4*10**18
NP1:Strike=161 Dip=60 Slip= 165
NP2: 259 77 31
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 86S,207C M.W.: 71S,116C
Centroid Location:
Origin Time 02:16:32.6 0.1
Lat 55.66S 0.01 Lon 28.96W 0.01
Dep 51.7 0.8 Half-duration 3.1
Principal Axes:
Scale 10**18 Nm
T Val= 2.36 Plg=32 Azm=132
N -0.36 54 280
P -2.00 15 32
Best Double Couple:Mo=2.2*10**18
NP1:Strike=168 Dip=56 Slip= 167
NP2: 265 79 35

18 09 18 07.55 53.580N 163.642W 33km
5.1mb (105 obs.) 5.0Msz (16 obs.)
UNIMAK ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 55S, 85C
Centroid Location:
Origin Time 09:18: 8.6 0.3
Lat 53.41N 0.06 Lon 163.41W 0.07
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.45 Plg=58 Azm=334
N 0.04 5 236
P -1.49 31 142
Best Double Couple:Mo=1.5*10**17
NP1:Strike=216 Dip=15 Slip= 69
NP2: 57 76 95

18 19 07 36.94 18.820N 145.271E 585km

5.0mb (88 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 37S, 52C
Centroid Location:
Origin Time 19:07:39.1 0.6
Lat 18.56N 0.05 Lon 145.42E 0.05
Dep 602.9 3.7 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.37	9	253
N	2.75	22	159
P	-10.12	66	4

Best Double Couple:Mo=8.8*10**16
NP1:Strike= 7 Dip=41 Slip= -55
NP2: 144 58 -116

18 20 17 25.30 6.609S 154.680E 33km
4.8mb (35 obs.) 4.9Msz (33 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 54S, 84C
Centroid Location:
Origin Time 20:17:27.7 0.3
Lat 6.91S 0.03 Lon 154.80E 0.03
Dep 20.1 1.7 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	14.31	66	21
N	-0.19	7	127
P	-14.12	23	220

Best Double Couple:Mo=1.4*10**17
NP1:Strike=323 Dip=23 Slip= 108
NP2: 124 68 82

19 05 56 22.58 5.032S 153.464E 33km
5.2mb (57 obs.) 5.1Msz (34 obs.)
NEW IRELAND REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 43S, 60C
Centroid Location:
Origin Time 05:56:26.8 0.4
Lat 5.16S 0.05 Lon 153.41E 0.04
Dep 33.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.85	30	24
N	-0.77	57	180
P	-1.08	11	288

Best Double Couple:Mo=1.5*10**17
NP1:Strike= 62 Dip=61 Slip= 165
NP2: 159 77 30

19 21 28 22.17 4.960S 153.755E 88km
5.6mb (76 obs.)
NEW IRELAND REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 30S, 66C
Centroid Location:
Origin Time 21:28:24.4 0.2
Lat 5.09S 0.02 Lon 153.55E 0.03
Dep 69.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	7.02	74	280
N	0.23	11	147
P	-7.25	11	54

Best Double Couple:Mo=7.1*10**17
NP1:Strike=131 Dip=35 Slip= 71
NP2: 334 57 103

19 21 43 31.92 5.139N 75.577W 120km
6.2mb (160 obs.)
COLOMBIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=62 Slip= -90
NP2: 200 28 -90
Principal Axes:

	Plg=	Azm=
T	17	110
P	73	290

Comment: The focal mechanism is moderately well controlled and corresponds to down-dip tension. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 16 Focal mech. F
Energy 6.0±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 110 No. of sta: 55
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	7.25	13	91
N	-0.02	24	187
P	-7.23	62	334

Best Double Couple:Mo=7.2*10**18
NP1:Strike=152 Dip=38 Slip=-132
NP2: 20 62 -62
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 76S,195C M.W.: 69S,144C
Centroid Location:
Origin Time 21:43:37.7 0.1
Lat 5.22N 0.01 Lon 75.69W 0.00
Dep 128.7 0.2 Half-duration 4.5
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	6.57	16	120
N	2.30	5	212
P	-8.87	74	318

Best Double Couple:Mo=7.7*10**18
NP1:Strike=204 Dip=30 Slip= -99
NP2: 34 61 -85

20 05 19 59.49 5.605S 153.012E 33km
4.9mb (37 obs.) 5.0Msz (39 obs.)
NEW IRELAND REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 30S, 46C
Centroid Location:
Origin Time 05:20: 4.7 0.6
Lat 5.55S 0.08 Lon 153.02E 0.06
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.16	54	352
N	-0.19	7	91
P	-1.97	35	185

Best Double Couple:Mo=2.1*10**17
NP1:Strike=305 Dip=12 Slip= 125
NP2: 90 80 83

21 22 08 57.61 3.482S 152.514E 33km
4.9mb (35 obs.) 4.4Msz (4 obs.)
NEW IRELAND REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 14S, 21C
Centroid Location:
Origin Time 22:08:58.5 1.3
Lat 3.14S 0.16 Lon 152.78E 0.11
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	2.35	4	312
N	0.86	18	43
P	-3.20	72	210

Best Double Couple:Mo=2.8*10**16
NP1:Strike= 23 Dip=44 Slip=-116
NP2: 238 51 -67

21 22 33 26.31 6.148S 153.969E 42km
5.2mb (52 obs.) 5.1Msz (31 obs.)
NEW BRITAIN REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 67S,112C
Centroid Location:
Origin Time 22:33:27.5 0.2
Lat 6.12S 0.02 Lon 154.04E 0.02
Dep 15.3 1.2 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.95	62	359
N	-0.28	13	115
P	-2.67	24	211

Best Double Couple:Mo=2.8*10**17
NP1:Strike=326 Dip=24 Slip= 124
NP2: 110 70 76

22 06 21 26.47 5.330S 150.616E 145km
5.0mb (56 obs.)
NEW BRITAIN REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 18S, 23C
Centroid Location:
Origin Time 06:21:29.3 0.9
Lat 5.31S FIX;Lon 150.56E FIX
Dep 151.2 2.7 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.77	0	140
N	1.69	19	230
P	-6.46	71	50

Best Double Couple:Mo=5.6*10**16
NP1:Strike=212 Dip=48 Slip=-116
NP2: 68 48 -64

22 22 11 56.64 29.155S 177.370W 23km
5.6mb (57 obs.) 5.3Msz (34 obs.)
KERMADEC ISLANDS, NEW ZEALAND
MOMENT TENSOR SOLUTION
Dep 19 No. of sta: 30
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.50	83	95
N	0.00	3	209
P	-1.50	6	300

Best Double Couple:Mo=1.5*10**17
NP1:Strike= 33 Dip=39 Slip= 95
NP2: 207 52 86
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 66S,107C
Centroid Location:
Origin Time 22:12: 3.4 0.2
Lat 28.92S 0.02 Lon 177.19W 0.02
Dep 48.5 1.3 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.01	73	199
N	0.43	17	8
P	-2.44	3	99

Best Double Couple:Mo=2.2*10**17
NP1:Strike=206 Dip=45 Slip= 115
NP2: 353 50 68

23 07 06 02.76 18.856N 145.218E 595km
6.3mb (166 obs.)
MARIANA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=148 Dip=50 Slip=-118
NP2: 8 47 -61
Principal Axes:

	Plg=	Azm=
T	1	257
P	69	351

Comment: The focal mechanism is well controlled. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 13 Focal mech. M
Energy 4.1±1.0*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 602 No. of sta: 45
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	4.57	8	72
N	0.01	18	165
P	-4.58	70	320

Best Double Couple:Mo=4.6*10**19
NP1:Strike=142 Dip=41 Slip=-118
NP2: 358 55 -68
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 71S,199C M.W.: 66S,164C
Centroid Location:
Origin Time 07:06: 9.4 0.0
Lat 18.88N FIX;Lon 145.30E FIX
Dep 599.2 0.3 Half-duration 8.1
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	4.19	6	65
N	0.40	18	157
P	-4.58	71	319

Best Double Couple:Mo=4.4*10**19
NP1:Strike=136 Dip=42 Slip=-118
NP2: 351 53 -67

23 13 14 42.43 56.883S 141.654W 12km
5.9mb (49 obs.) 5.5Msz (37 obs.)
PACIFIC-ANTARCTIC RIDGE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=230 Dip=70 Slip= -90
NP2: 50 20 -90
Principal Axes:

	Plg=	Azm=
T	25	320
P	65	140

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.

RADIATED ENERGY
No. of sta: 9 Focal mech. M
Energy 1.7±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 12 No. of sta: 29
Principal Axes:
Scale 10**18 Nm
T Val= 1.56 Plg=22 Azm=307
N 0.06 19 45
P -1.62 60 171
Best Double Couple:Mo=1.6*10**18
NP1:Strike= 6 Dip=28 Slip=-133
NP2: 232 70 -70
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 71S,153C M.W.: 53S,103C
Centroid Location:
Origin Time 13:14:45.6 0.2
Lat 56.97S 0.02 Lon 141.87W 0.03
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**18 Nm
T Val= 3.15 Plg=14 Azm=327
N -0.81 25 64
P -2.34 61 212
Best Double Couple:Mo=2.7*10**18
NP1:Strike= 28 Dip=38 Slip=-133
NP2: 258 63 -62

24 01 55 34.63 18.902N 145.047E 588km
6.0mb (178 obs.)
MARIANA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=116 Dip=47 Slip=-117
NP2: 333 49 -64
Principal Axes:
T Plg= 1 Azm= 45
P 71 311
Comment: The focal mechanism is moderately well controlled and corresponds to down-dip pressure. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 16 Focal mech. F
Energy 3.0±0.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 608 No. of sta: 37
Principal Axes:
Scale 10**18 Nm
T Val= 2.18 Plg= 2 Azm= 47
N -0.01 19 138
P -2.16 71 312
Best Double Couple:Mo=2.2*10**18
NP1:Strike=118 Dip=46 Slip=-117
NP2: 335 50 -64
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 68S,158C M.W.: 52S, 71C
Centroid Location:
Origin Time 01:55:39.3 0.1
Lat 18.93N 0.01 Lon 145.19E 0.01
Dep 594.0 0.4 Half-duration 3.1
Principal Axes:
Scale 10**18 Nm
T Val= 2.15 Plg= 2 Azm= 45
N 0.12 18 136
P -2.26 71 309
Best Double Couple:Mo=2.2*10**18
NP1:Strike=117 Dip=46 Slip=-116
NP2: 332 50 -66

24 06 28 54.92 18.847N 145.123E 602km
5.7mb (141 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 62S,113C
Centroid Location:
Origin Time 06:28:58.5 0.2
Lat 18.86N 0.02 Lon 145.24E 0.02
Dep 617.0 1.4 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 5.35 Plg= 9 Azm=225
N -0.02 56 121
P -5.33 32 320
Best Double Couple:Mo=5.3*10**17
NP1:Strike=358 Dip=61 Slip= -18
NP2: 96 75 -150

24 07 54 42.97 18.823N 145.042E 612km
5.5mb (148 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 63S,135C
Centroid Location:
Origin Time 07:54:40.0 0.2
Lat 18.79N 0.02 Lon 145.33E 0.01
Dep 611.8 1.2 Half-duration 2.8
Principal Axes:
Scale 10**18 Nm
T Val= 1.61 Plg= 2 Azm=225
N 0.14 48 133
P -1.74 42 317
Best Double Couple:Mo=1.7*10**18
NP1:Strike=353 Dip=60 Slip= -31
NP2: 99 63 -146

24 07 55 26.24 18.849N 145.089E 586km
5.5mb (74 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 66S,137C
Centroid Location:
Origin Time 07:55:37.3 0.2
Lat 18.85N 0.02 Lon 145.35E 0.01
Dep 609.8 1.1 Half-duration 3.1
Principal Axes:
Scale 10**18 Nm
T Val= 2.14 Plg= 1 Azm= 46
N -0.02 50 138
P -2.13 40 315
Best Double Couple:Mo=2.1*10**18
NP1:Strike= 99 Dip=62 Slip=-150
NP2: 353 64 -32

25 11 29 40.99 18.711N 145.204E 603km
5.3mb (86 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 35S, 50C
Centroid Location:
Origin Time 11:29:43.8 0.5
Lat 18.64N 0.05 Lon 145.28E 0.04
Dep 617.1 3.6 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 11.48 Plg=14 Azm=223
N 0.62 47 117
P -12.10 39 325
Best Double Couple:Mo=1.2*10**17
NP1:Strike=356 Dip=52 Slip= -20
NP2: 99 74 -140

25 14 25 25.18 20.333S 177.850W 540km
5.2mb (84 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 46S, 62C
Centroid Location:
Origin Time 14:25:33.3 0.3
Lat 19.99S 0.04 Lon 177.95W 0.04
Dep 558.1 1.8 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.61 Plg=28 Azm=141
N 0.15 31 250
P -1.76 45 18
Best Double Couple:Mo=1.7*10**17
NP1:Strike=181 Dip=33 Slip=-162
NP2: 76 80 -58

25 16 51 46.60 18.686S 175.409W 225km
5.5mb (91 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 70S,160C M.W.: 59S, 92C
Centroid Location:
Origin Time 16:51:53.7 0.1
Lat 18.56S 0.01 Lon 175.14W 0.01
Dep 234.0 0.4 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 11.30 Plg=31 Azm=128
N 0.69 20 25
P -12.00 51 267
Best Double Couple:Mo=1.2*10**18
NP1:Strike=264 Dip=23 Slip= -28
NP2: 20 79 -111

26 01 06 46.91 32.273N 40.253W 10km
4.8mb (44 obs.) 4.8Msz (28 obs.)
NORTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 17S, 20C
Centroid Location:
Origin Time 01:06:50.4 0.5
Lat 32.30N 0.08 Lon 40.21W 0.06
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.04 Plg= 0 Azm=132
N -0.82 0 42
P -5.22 90 180
Best Double Couple:Mo=5.6*10**16
NP1:Strike=222 Dip=45 Slip= -90
NP2: 42 45 -90

26 06 57 16.63 5.643S 153.541E 17km
5.7mb (73 obs.) 6.0Msz (56 obs.)
NEW IRELAND REGION, P.N.G.
RADIATED ENERGY
No. of sta: 9 Focal mech. C
Energy 2.5±0.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 8 No. of sta: 35
Principal Axes:
Scale 10**17 Nm
T Val= 7.33 Plg=42 Azm= 32
N 0.29 45 237
P -7.62 13 133
Best Double Couple:Mo=7.5*10**17
NP1:Strike=182 Dip=51 Slip= 24
NP2: 76 71 139
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 69S,160C M.W.: 47S, 86C
Centroid Location:
Origin Time 06:57:25.4 0.1
Lat 5.87S 0.01 Lon 153.72E 0.01
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 11.84 Plg=52 Azm= 31
N 0.94 37 221
P -12.78 5 128
Best Double Couple:Mo=1.2*10**18
NP1:Strike=184 Dip=52 Slip= 40
NP2: 67 60 134

26 09 09 00.88 6.353S 154.369E 43km
5.0mb (36 obs.) 4.8Msz (3 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 23S, 33C
Centroid Location:
Origin Time 09:09: 4.5 0.6
Lat 6.65S 0.10 Lon 154.63E 0.08
Dep 28.6 4.6 Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.84 Plg=53 Azm= 5
N -0.73 19 122
P -1.12 30 224
Best Double Couple:Mo=1.5*10**17
NP1:Strike=357 Dip=22 Slip= 147
NP2: 118 78 71

26 14 47 50.34 8.455N 126.935E 37km
5.3mb (74 obs.) 5.4Msz (55 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 58S,112C
Centroid Location:
Origin Time 14:47:53.4 0.2
Lat 8.37N 0.02 Lon 127.23E 0.02
Dep 19.2 1.2 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.92 Plg=71 Azm=305
N -0.17 9 187
P -3.75 17 95
Best Double Couple:Mo=3.8*10**17
NP1:Strike=171 Dip=29 Slip= 71
NP2: 12 62 100

26 16 06 11.08 28.406N 128.371E 10km
4.9mb (56 obs.) 4.8Msz (27 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)

Data Used: GSN
L.P.B.: 17S, 25C
Centroid Location:
Origin Time 16:06:11.2 0.9
Lat 28.29N 0.09 Lon 128.42E 0.16
Dep 33.6 8.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 10.17 Plg=10 Azm=349
N -0.63 80 146
P -9.54 4 258
Best Double Couple:Mo=9.9*10**16
NP1:Strike= 33 Dip=80 Slip= 176
NP2: 124 86 10

26 17 11 18.21 0.594N 122.632E 33km
5.0mb (45 obs.)
MINAHASSA PENINSULA, SULAWESI
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 18S, 39C
Centroid Location:
Origin Time 17:11:21.2 0.6
Lat 0.59N FIX;Lon 122.60E FIX
Dep 57.1 6.7 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 9.95 Plg=12 Azm=318
N -1.83 61 70
P -8.11 26 222
Best Double Couple:Mo=9.0*10**16
NP1:Strike= 2 Dip=63 Slip=-170
NP2: 267 81 -27

26 17 16 56.92 8.280S 121.548E 34km
5.6mb (61 obs.) 5.3Msz (47 obs.)
FLORES REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 61S,120C
Centroid Location:
Origin Time 17:17: 3.3 0.2
Lat 8.04S 0.02 Lon 121.68E 0.03
Dep 43.8 2.0 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 3.27 Plg=57 Azm=126
N 2.17 24 259
P -5.44 21 359
Best Double Couple:Mo=4.4*10**17
NP1:Strike=124 Dip=32 Slip= 140
NP2: 250 70 65

27 17 51 00.20 48.004S 32.018E 10km
5.2mb (20 obs.) 4.7Msz (21 obs.)
PRINCE EDWARD ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 15S, 23C
Centroid Location:
Origin Time 17:50:59.2 0.6
Lat 48.23S 0.07 Lon 31.97E 0.15
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.72 Plg= 4 Azm=339
N -2.03 68 240
P -5.69 22 70
Best Double Couple:Mo=6.7*10**16
NP1:Strike=112 Dip=72 Slip= -13
NP2: 206 77 -162

28 10 46 12.06 26.092N 110.284W 12km
5.7mb (95 obs.) 6.5Msz (39 obs.)
GULF OF CALIFORNIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=225 Dip=87 Slip= 5
NP2: 135 85 177
Principal Axes:
T Plg= 6 Azm= 90
P 1 360
Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. 0
Energy 5.5±2.1*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 20 No. of sta: 27
Principal Axes:
Scale 10**19 Nm
T Val= 1.04 Plg= 4 Azm= 92
N 0.01 86 243
P -1.05 2 2
Best Double Couple:Mo=1.0*10**19
NP1:Strike=137 Dip=86 Slip= 179
NP2: 227 89 4
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 59S,158C M.W.: 54S,133C
Centroid Location:
Origin Time 10:46:19.6 0.1
Lat 26.13N 0.01 Lon 110.27W 0.01
Dep 15.0 FIX Half-duration 4.1
Principal Axes:
Scale 10**18 Nm
T Val= 6.24 Plg=13 Azm=267
N -0.28 77 72
P -5.96 3 176
Best Double Couple:Mo=6.1*10**18
NP1:Strike=311 Dip=78 Slip= 173
NP2: 42 83 12

29 07 25 49.25 47.937S 99.467E 10km
5.6mb (43 obs.) 6.3Msz (37 obs.)
SOUTHEAST INDIAN RIDGE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=210 Dip=89 Slip=-180
NP2: 300 90 -359
Principal Axes:
T Plg= 1 Azm=165
P 1 75
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 13 No. of sta: 29
Principal Axes:
Scale 10**18 Nm
T Val= 3.60 Plg= 4 Azm=177
N -0.16 82 297
P -3.43 7 87
Best Double Couple:Mo=3.5*10**18
NP1:Strike=222 Dip=82 Slip=-178
NP2: 132 88 -8
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 73S,194C M.W.: 67S,143C
Centroid Location:
Origin Time 07:25:57.3 0.0
Lat 48.05S 0.01 Lon 99.20E 0.01
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 5.07 Plg= 6 Azm=349
N -0.30 82 216
P -4.76 6 79
Best Double Couple:Mo=4.9*10**18
NP1:Strike=124 Dip=82 Slip= 0
NP2: 214 90 -172

29 08 51 30.73 21.159S 174.354W 19km
5.5mb (67 obs.) 5.6Msz (31 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 24S, 41C
Centroid Location:
Origin Time 08:51:37.0 0.8
Lat 20.92S FIX;Lon 174.60W FIX
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**18 Nm
T Val= 1.60 Plg=47 Azm=290
N -0.07 1 199
P -1.53 43 109
Best Double Couple:Mo=1.6*10**18
NP1:Strike=182 Dip= 2 Slip= 73
NP2: 19 88 91

29 12 45 25.73 7.575S 67.964E 10km
4.9mb (49 obs.)
MID-INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 8S, 10C
Centroid Location:
Origin Time 12:45:30.1 1.5
Lat 7.19S 0.40 Lon 67.70E 0.28
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.14 Plg= 0 Azm=245
N 0.97 90 180
P -2.11 0 155
Best Double Couple:Mo=1.6*10**17
NP1:Strike=290 Dip=90 Slip=-180
NP2: 20 90 0

29 13 06 42.46 2.379N 127.322E 53km
5.2mb (63 obs.)
NORTHERN MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 23S, 39C
Centroid Location:
Origin Time 13:06:50.5 1.1
Lat 2.69N 0.08 Lon 127.18E 0.11
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.23 Plg=27 Azm=132
N 3.69 4 40
P -11.92 63 302
Best Double Couple:Mo=1.0*10**17
NP1:Strike=232 Dip=19 Slip= -77
NP2: 39 72 -94

29 22 57 01.07 59.620S 26.160W 33km
5.0mb (16 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 37S, 55C
Centroid Location:
Origin Time 22:57: 9.8 0.3
Lat 60.26S 0.05 Lon 25.70W 0.09
Dep 29.7 3.0 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 9.76 Plg=56 Azm=222
N -2.93 23 353
P -6.83 23 93
Best Double Couple:Mo=8.3*10**16
NP1:Strike=220 Dip=31 Slip= 141
NP2: 345 71 65

30 02 45 27.76 6.250S 154.703E 48km
4.9mb (33 obs.) 4.6Msz (2 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 57S, 80C
Centroid Location:
Origin Time 02:45:30.8 0.2
Lat 6.37S 0.02 Lon 154.61E 0.02
Dep 51.8 1.7 Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.16 Plg=81 Azm=340
N -0.02 8 138
P -1.13 3 228
Best Double Couple:Mo=1.1*10**17
NP1:Strike=327 Dip=42 Slip= 102
NP2: 131 49 79

30 06 39 11.90 5.333S 153.602E 53km
5.1mb (27 obs.) 4.7Msz (3 obs.)
NEW IRELAND REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 14S, 17C
Centroid Location:
Origin Time 06:39:12.4 0.8
Lat 5.31S FIX;Lon 153.64E FIX
Dep 28.6 6.9 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 9.10 Plg=53 Azm= 41
N -0.72 15 152
P -8.38 33 252
Best Double Couple:Mo=8.7*10**16
NP1:Strike= 26 Dip=19 Slip= 146
NP2: 149 80 74

30 23 04 04.39 19.360S 173.464W 10km
5.3mb (54 obs.) 5.8Msz (57 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=85 Slip= 90
NP2: 205 5 90
Principal Axes:
T Plg=50 Azm=295
P 40 115

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 37
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.56	51	267
N	-0.01	19	22
P	-3.55	32	124

Best Double Couple:Mo=3.6*10**17
NP1:Strike=262 Dip=21 Slip= 151
NP2: 18 80 71
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 66S,138C
Centroid Location:
Origin Time 23:04:11.9 0.1
Lat 19.53S 0.02 Lon 172.70W 0.02
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.57	73	268
N	0.63	7	23
P	-5.20	16	115

Best Double Couple:Mo=4.9*10**17
NP1:Strike=216 Dip=30 Slip= 105
NP2: 19 61 81

31 08 20 55.43 69.360N 147.151W 35km
5.0mb (91 obs.) 4.7Msz (8 obs.)
NORTHERN ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 19S, 26C
Centroid Location:
Origin Time 08:20:54.4 0.7
Lat 69.59N 0.11 Lon 147.73W 0.29
Dep 24.9 8.2 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.80	33	63
N	-1.53	44	295
P	-5.27	28	173

Best Double Couple:Mo=6.0*10**16
NP1:Strike=210 Dip=44 Slip= 4
NP2: 117 87 134

31 17 10 35.08 15.838S 166.426E 17km
6.1mb (102 obs.) 6.4Msz (86 obs.)
VANUATU ISLANDS
RADIATED ENERGY
No. of sta: 15 Focal mech. M
Energy 3.7±0.9*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 40
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	4.25	70	194
N	0.15	16	339
P	-4.40	11	72

Best Double Couple:Mo=4.3*10**18
NP1:Strike=181 Dip=37 Slip= 118
NP2: 328 58 71
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 77S,187C M.W.: 69S,150C
Centroid Location:
Origin Time 17:10:42.5 0.1
Lat 15.73S 0.01 Lon 166.25E 0.01
Dep 31.7 0.5 Half-duration 4.1
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	4.82	83	81
N	0.97	1	340
P	-5.79	7	250

Best Double Couple:Mo=5.3*10**18
NP1:Strike=339 Dip=38 Slip= 88
NP2: 161 52 92

31 20 39 44.78 21.207S 174.287W 33km
5.2mb (50 obs.) 5.1Msz (42 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 33S, 57C
Centroid Location:
Origin Time 20:39:48.2 0.4
Lat 21.00S FIX;Lon 174.62W FIX
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.36	47	294
N	-0.62	1	26
P	-2.75	43	117

Best Double Couple:Mo=3.0*10**17
NP1:Strike=238 Dip= 3 Slip= 122
NP2: 26 88 89

Compiled by Francis W. Baldwin, Pamela J. Benfield, Pingsheng Chang, George L. Choy, Willis S. Jacobs, Stuart K. Koyanagi, Christina K. LaVonne, John H. Minsch, Waverly J. Person, Bruce W. Presgrave, William H. Schmieder, Stuart A. Sipkin, James N. Taggart and Madeleine D. Zirbes.

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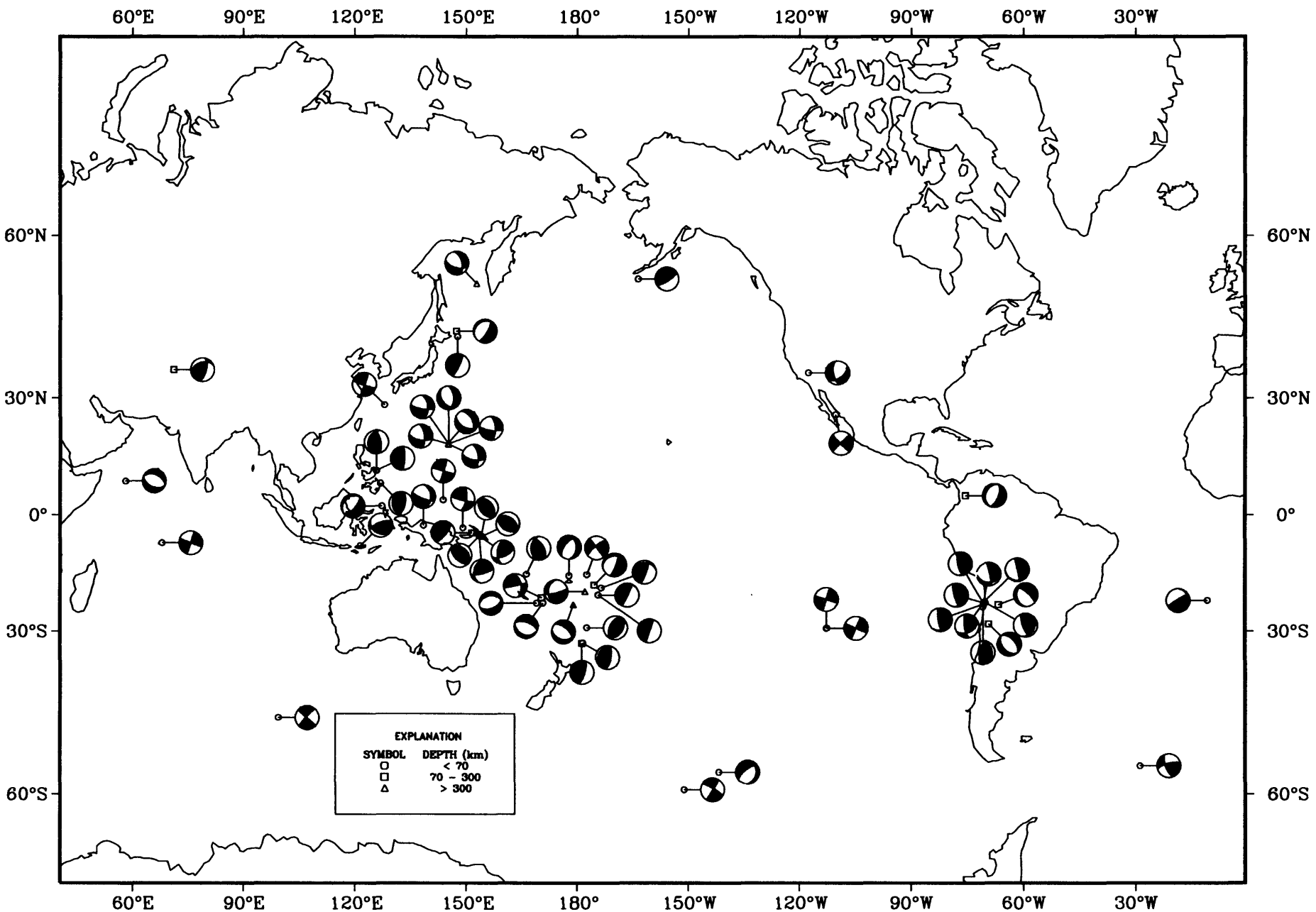
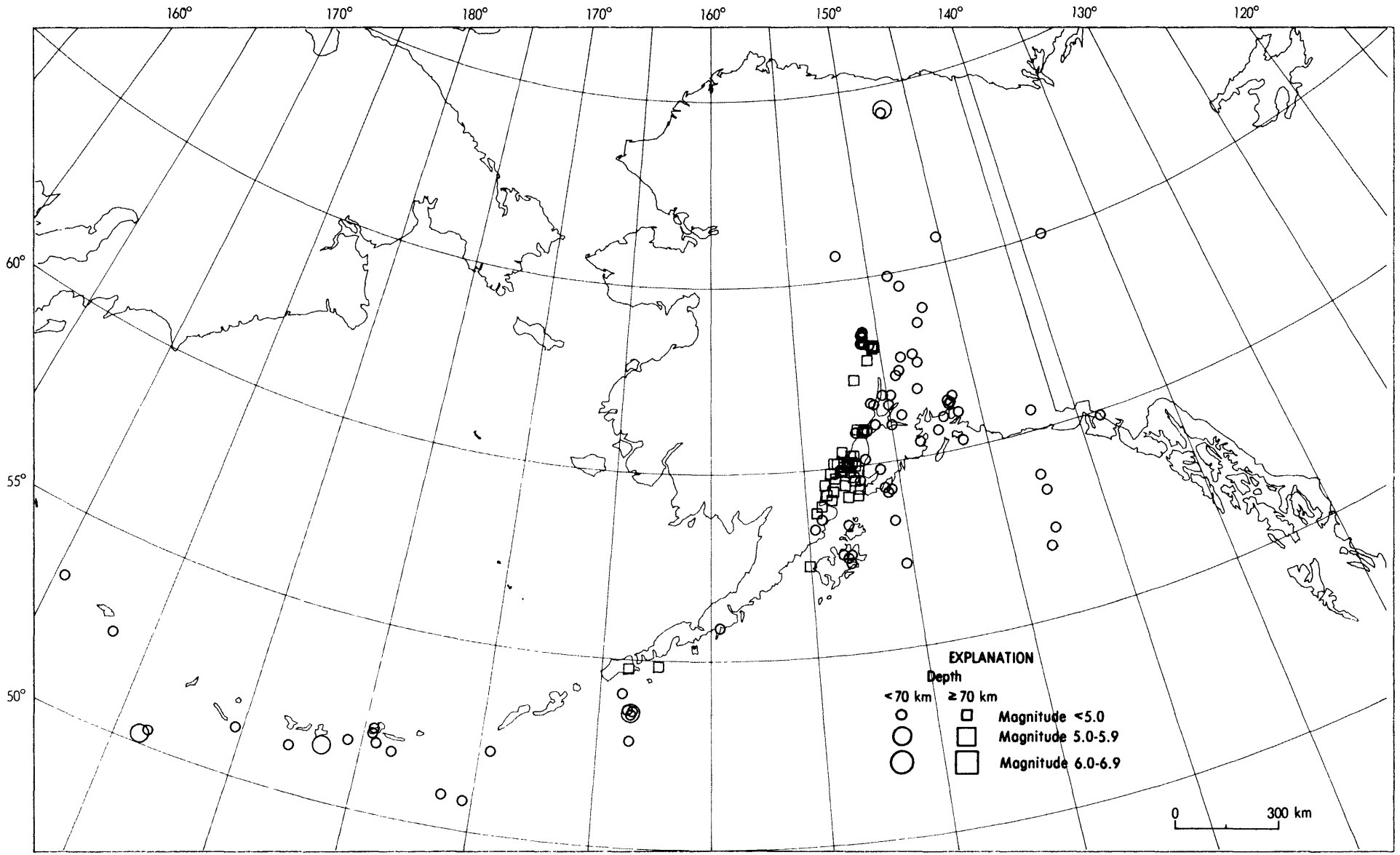
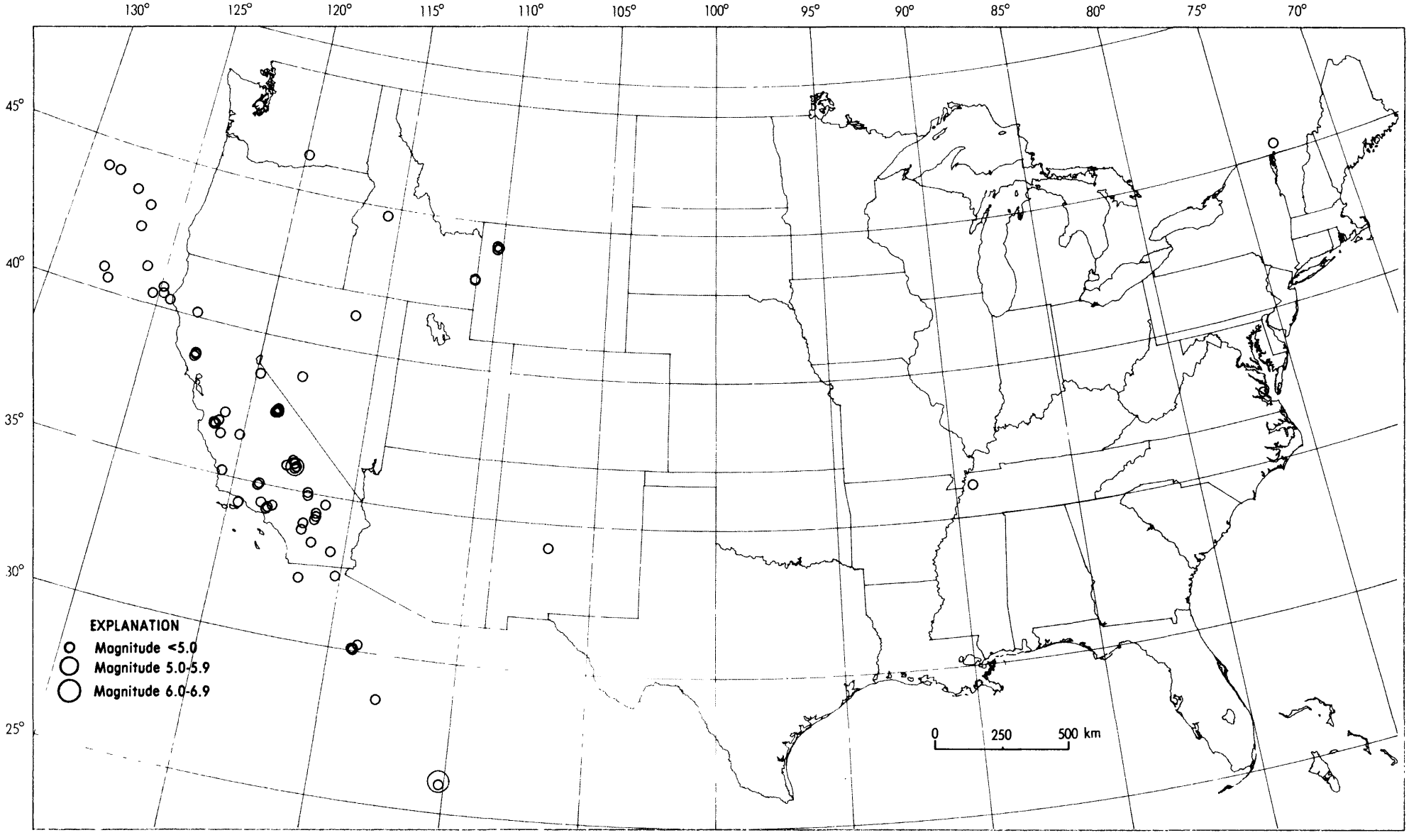
Earthquake Focal Mechanisms for August 1995

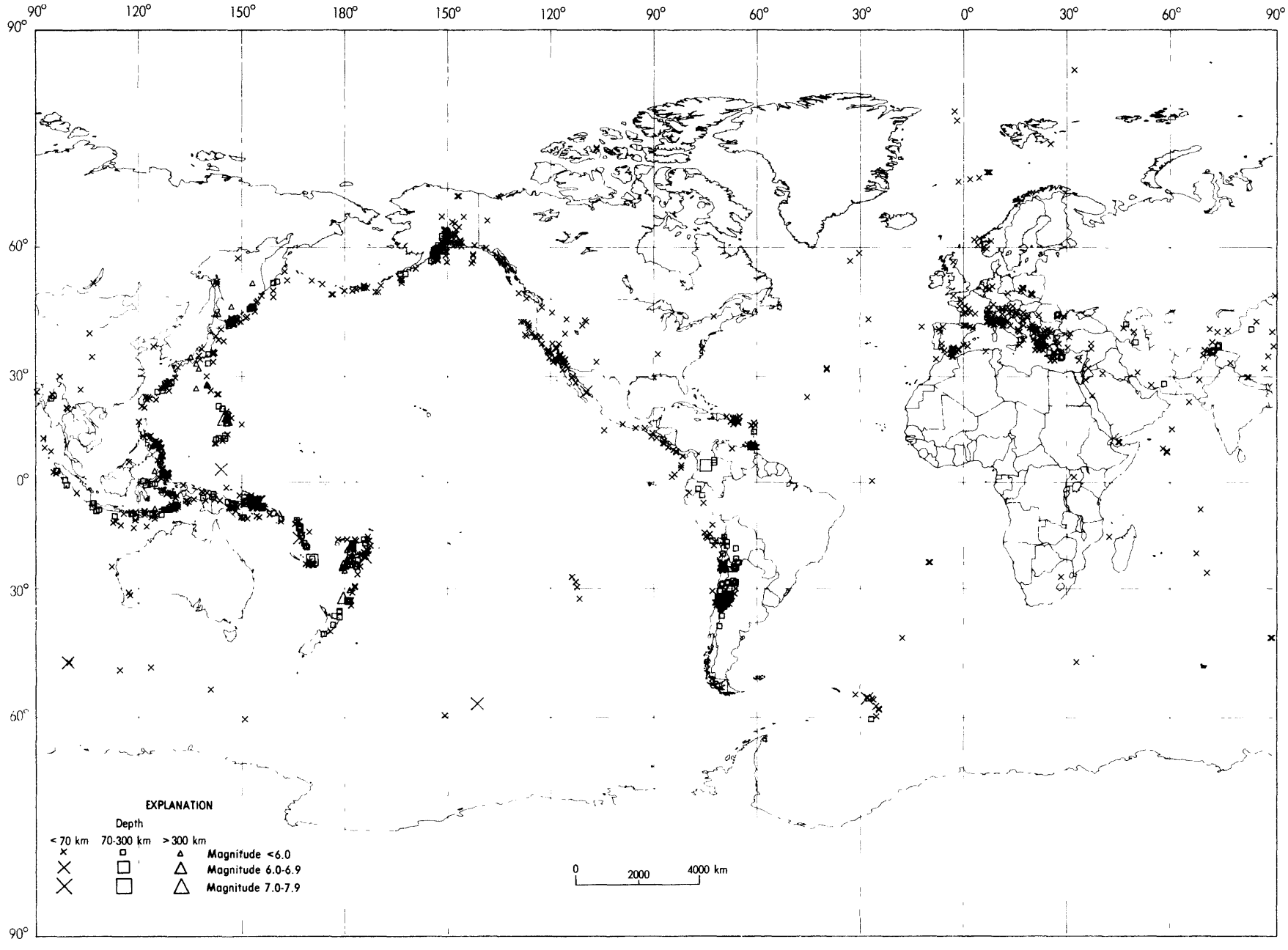




Earthquake epicenters in Alaska and adjacent regions for August, 1995



Earthquake epicenters in the conterminous United States and adjacent regions for August, 1995



Earthquakes located in August, 1995

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

SEPTEMBER 1995

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	02	19	05.6	39.452	N	140.573	E	111	D	4.5		0.9	51	EASTERN HONSHU, JAPAN
	01	04	43	27.8*	40.041	N	21.376	E	10	G			1.1	5	GREECE. ML 2.6 (THE).
	01	04	54	25.1	7.166	N	77.918	W	42		4.6		1.1	66	PANAMA-COLOMBIA BORDER REGION
a	01	05	18	04.0	13.614	S	74.886	W	109	D	5.1		1.0	152	CENTRAL PERU. Mw 5.2 (HRV). Felt (IV) at Ica and Pisco; (III) at Nazca; (II) at Lima.
	01	06	23	30.1	36.815	N	139.319	E	12		4.5		1.2	25	EASTERN HONSHU, JAPAN
a	01	06	30	35.7	0.042	N	123.235	E	144	D	5.6		1.2	287	MINAHASSA PENINSULA, SULAWESI. Mw 5.9 (HRV).
	01	07	19	47.0&	63.772	N	147.349	W	16					60	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR).
	01	07	32	41.1	47.892	N	154.726	E	33	N	4.6		1.0	74	KURIL ISLANDS
	01	08	21	42.2&	37.556	N	118.856	W	1					46	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK), 3.0 (GS).
	01	08	50	34.3	40.145	N	21.616	E	10	G			1.0	20	GREECE. MD 3.0 (ATH). ML 2.8 (THE).
	01	09	43	10.9*	10.608	S	117.078	E	33	N	3.3		0.6	6	SOUTH OF SUMBAWA, INDONESIA
	01	10	28	46.0?	6.36	S	153.52	E	33	N	4.0		1.2	12	NEW BRITAIN REGION, P.N.G.
	01	11	51	55.6&	60.018	N	147.291	W	22					57	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	01	12	46	19.4*	11.166	N	60.915	W	33	N			0.4	5	WINDWARD ISLANDS. MD 2.7 (TRN).
	01	13	30	50.4*	8.692	S	121.702	E	117	*	3.9		1.1	11	FLORES REGION, INDONESIA
	01	13	41	52.3&	38.751	N	122.708	W	3					67	NORTHERN CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.3 (BRK), 3.1 (GS).
	01	13	45	24.9*	8.630	S	119.579	E	33	N	3.6		1.4	9	FLORES REGION, INDONESIA
	01	14	04	14.8?	5.02	S	131.92	E	33	N	3.8		1.4	10	BANDA SEA
	01	14	09	49.2?	32.24	S	71.70	W	33	N			1.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	01	15	27	59.6*	7.620	S	127.436	E	200	?	4.1		1.2	20	BANDA SEA
	01	15	29	56.0*	31.865	S	71.596	W	33	N			0.3	12	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	01	15	45	55.7*	4.659	S	149.657	E	569		4.5		0.8	18	BISMARCK SEA
	01	16	10	43.2*	8.427	S	121.655	E	128	*	3.9		1.0	11	FLORES REGION, INDONESIA
	01	17	22	30.3&	40.606	N	23.645	E	10	G			0.4	7	GREECE. ML 2.3 (THE).
	01	17	25	02.4	40.103	N	21.592	E	10	G			0.9	8	GREECE. MD 2.9 (ATH). ML 2.7 (THE).
	01	17	42	52.4	33.880	N	132.424	E	61		4.0		0.5	12	SHIKOKU, JAPAN
	01	18	04	05.5*	9.963	S	124.607	E	73	?	3.4		1.0	8	TIMOR REGION, INDONESIA
a	01	18	25	48.3*	21.212	S	174.627	W	31	D	4.9	4.8	1.1	39	TONGA ISLANDS. Mw 5.2 (HRV).
	01	18	43	25.8?	36.58	N	2.43	E	10	G			1.0	11	NORTHERN ALGERIA. *mbLg* 3.6 (MDD).
	01	19	46	31.3?	4.90	S	149.08	E	100	G	3.9		0.2	6	BISMARCK SEA
	01	20	29	22.8?	30.84	S	71.73	W	33	N			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	01	21	16	07.7*	33.308	S	178.873	W	33	N	4.5		1.1	14	SOUTH OF KERMADEC ISLANDS
	01	21	23	57.7&	44.350	N	7.267	E	10	G			0.5	5	NORTHERN ITALY. ML 2.0 (GEN).
	01	21	38	15.0*	3.876	N	95.116	E	33	N	4.4		1.3	12	OFF W COAST OF NORTHERN SUMATERA
	01	22	14	28.8&	61.006	N	150.118	W	35					57	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	01	22	22	04.2&	59.740	N	153.196	W	106					47	SOUTHERN ALASKA. <AEIC>.
	01	22	30	28.9*	34.666	N	25.132	E	21		3.8		1.4	16	CRETE. MD 3.8 (ATH).
	01	23	25	41.9*	6.422	S	129.452	E	96	?	4.0		1.2	11	BANDA SEA
	02	00	02	50.7?	4.41	N	124.68	E	33	N	4.1		1.0	8	CELEBES SEA
	02	00	16	12.1*	6.710	N	72.852	W	164	?			1.1	12	NORTHERN COLOMBIA
	02	01	21	06.0?	4.10	S	142.21	E	125	*	4.5		1.1	10	NEW GUINEA, PAPUA NEW GUINEA
	02	01	22	41.4*	1.918	N	126.776	E	33	N	4.5		1.1	16	NORTHERN MOLUCCA SEA
	02	01	31	45.4	40.191	N	21.907	E	10	G			1.4	23	GREECE. MD 3.2 (ATH). ML 3.0 (THE).
	02	02	23	50.5	21.629	N	121.461	E	65	*	4.3		0.8	37	TAIWAN REGION
	02	02	40	30.5	11.602	N	61.297	W	10	G			1.2	7	WINDWARD ISLANDS. MD 3.3 (TRN).
	02	03	37	49.7	40.739	N	22.831	E	10	G			1.4	38	GREECE. MD 3.5 (ATH). ML 3.2 (TTG).
	02	03	48	52.4	51.388	N	177.189	W	33	N	4.4		1.2	51	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR).
	02	03	57	24.8*	27.215	N	67.128	E	33	N	3.8		0.6	9	PAKISTAN
	02	04	54	58.5	40.743	N	22.722	E	10	G			0.4	7	GREECE. ML 1.7 (THE).
	02	04	56	20.6	18.310	S	67.874	W	209		4.1		0.8	21	CENTRAL BOLIVIA
	02	05	04	36.1	40.716	N	22.691	E	10	G			0.4	9	GREECE. ML 1.9 (THE).
	02	05	06	42.2?	2.43	S	12.23	W	10	G	4.4		1.0	11	NORTH OF ASCENSION ISLAND
	02	05	55	16.6	40.167	N	21.781	E	10	G			0.6	10	GREECE. MD 2.8 (ATH). ML 2.5 (THE).
	02	06	12	33.5?	18.28	N	67.36	W	80	G			0.2	10	MONA PASSAGE. MD 3.4 (MPR).
	02	07	05	14.4&	63.559	N	151.024	W	11					50	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).

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	02	07	33	49.1%	35.522	N	3.940	W	10	G			1.0	8	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
	02	08	18	49.7?	11.44	N	60.80	W	10	G			0.2	5	WINDWARD ISLANDS. MD 2.4 (TRN).
	02	09	16	07.8?	7.36	S	129.67	E	33	N	3.9		0.1	5	BANDA SEA
	02	09	41	32.9*	43.858	N	128.019	W	10	G	4.4		0.7	35	OFF COAST OF OREGON
	02	10	13	16.6?	8.00	S	128.32	E	33	N	3.7		1.3	6	BANDA SEA
	02	10	22	09.9*	42.582	N	18.736	E	10	G			0.2	5	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
	02	11	04	00.2&	34.193	N	118.558	W	18					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS). Felt at Reseda.
	02	11	04	00.7*	45.911	N	142.236	E	330	*	3.9		1.1	18	HOKKAIDO, JAPAN REGION
	02	11	22	05.9&	35.792	N	117.638	W	5					14	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.7 (GS).
	02	11	35	33.4	6.109	S	146.548	E	49		3.6		0.8	15	EASTERN NEW GUINEA REG., P.N.G.
	02	11	36	21.5*	3.893	N	126.443	E	33	N	4.3		0.8	16	TALAUD ISLANDS, INDONESIA
	02	11	45	22.5?	37.81	S	175.94	E	33	N	4.2		0.4	6	NORTH ISLAND, NEW ZEALAND
	02	12	00	53.8	25.396	N	122.171	E	272	*	4.3		1.0	31	TAIWAN REGION
	02	12	28	50.2?	20.06	S	178.58	W	500	G	4.2		0.8	12	FIJI ISLANDS REGION
	02	13	25	21.6%	34.157	S	71.006	W	33	N			0.9	8	NEAR COAST OF CENTRAL CHILE
	02	14	27	55.8*	19.190	S	177.587	W	576	?	4.0		0.8	13	FIJI ISLANDS REGION
	02	16	05	00.1	3.777	S	102.601	E	51		4.3		0.6	24	SOUTHERN SUMATERA, INDONESIA
	02	16	23	32.1	40.118	N	21.617	E	10	G			1.4	21	GREECE. MD 3.1 (ATH). ML 3.0 (THE).
	02	16	47	21.3	43.720	N	7.186	E	10				0.3	19	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG).
	02	17	45	31.1	36.412	N	71.269	E	245	*	3.9		0.7	42	AFGHANISTAN-TAJIKISTAN BORD REG.
	02	18	25	26.5	37.956	N	91.395	E	33	N	4.5		1.1	55	QINGHAI, CHINA
	02	18	40	32.5	26.387	S	27.483	E	5	G	3.7		0.9	14	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
	02	18	49	24.1?	23.32	S	169.95	E	10	?	4.2		1.2	7	LOYALTY ISLANDS REGION
	02	18	52	49.4	6.013	S	146.630	E	60		3.7		0.9	12	EASTERN NEW GUINEA REG., P.N.G.
	02	19	00	22.1	40.189	N	21.804	E	10	G			0.8	11	GREECE. MD 2.8 (ATH). ML 2.2 (THE).
	02	19	08	11.2*	6.135	S	146.559	E	52	*	3.6		1.1	12	EASTERN NEW GUINEA REG., P.N.G.
	02	19	41	06.9*	3.635	S	143.994	E	33	N	3.6		0.9	5	NEAR N COAST OF NEW GUINEA, PNG.
	02	20	01	27.6&	35.800	N	117.632	W	5					16	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	02	20	06	57.0%	37.433	N	3.875	W	10	G			0.7	5	SPAIN. mbLg 2.1 (MDD).
	02	20	26	50 8	32.516	S	69.857	W	148	*			0.4	20	MENDOZA PROVINCE, ARGENTINA. MD 2.9 (SAN).
	02	20	47	24.1	42.368	N	5.938	E	10	G			0.7	19	WESTERN MEDITERRANEAN SEA. ML 2.8 (LDG), 2.3 (STR).
	02	20	48	57.2*	36.421	N	69.922	E	245	*	3.9		0.6	23	HINDU KUSH REGION, AFGHANISTAN
	02	20	56	05.1?	8.76	S	147.99	E	132	*	3.1		0.9	6	EASTERN NEW GUINEA REG., P.N.G.
	02	21	02	28.4	40.765	N	22.762	E	10	G			0.6	6	GREECE. ML 1.6 (THE).
	02	21	08	12.7	41.633	N	15.443	E	18		3.6		1.2	30	SOUTHERN ITALY. ML 3.1 (ROM).
	02	21	51	01.5*	13.220	N	89.951	W	33	N	4.2	3.8	1.3	30	EL SALVADOR
	02	21	57	16.0	40.133	N	21.607	E	10	G			1.0	8	GREECE. ML 2.1 (THE).
	02	22	45	17.7	40.183	N	21.640	E	10	G			1.3	10	GREECE. MD 2.9 (ATH). ML 2.2 (THE).
	02	22	55	57.3	6.028	S	146.595	E	56		3.8		0.6	12	EASTERN NEW GUINEA REG., P.N.G.
	02	23	53	38.1	34.375	S	70.237	W	10	*			0.1	6	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	03	00	07	06.0?	19.49	S	178.12	W	676	?	4.5		0.8	14	FIJI ISLANDS REGION
	03	00	09	38.9*	34.069	S	72.063	W	33	N			1.3	28	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
	03	00	35	23.4	26.424	S	27.459	E	5	G			1.0	10	REPUBLIC OF SOUTH AFRICA. ML 3.7 (PRE).
	03	01	12	28.3&	59.859	N	152.878	W	103					73	SOUTHERN ALASKA. <AEIC>.
	03	01	13	27.3	34.624	N	135.736	E	376	D	4.4		0.7	148	NEAR S. COAST OF WESTERN HONSHU
	03	01	29	39.2	40.075	N	21.575	E	10	G			0.8	8	GREECE. ML 2.0 (THE).
	03	01	36	11.3	46.774	N	152.802	E	63	D	4.5		1.0	105	KURIL ISLANDS
	03	01	52	57.6*	23.561	S	71.067	W	85	?	3.2		1.1	9	OFF COAST OF NORTHERN CHILE
	03	02	13	21.5&	45.902	N	118.214	W	13					28	OREGON. <SEA-P>. MD 2.9 (SEA).
	03	03	18	56.2&	60.133	N	152.470	W	90					89	SOUTHERN ALASKA. <AEIC>.
	03	03	59	26.1	40.009	N	21.550	E	10	G			1.3	19	GREECE. MD 3.0 (ATH). ML 3.0 (THE).
	03	04	02	32.0%	37.056	N	3.670	W	10	G			0.5	5	SPAIN. mbLg 2.1 (MDD).
	03	05	09	35.1%	33.510	S	70.247	W	14	*			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	03	05	29	41.2*	5.605	S	148.766	E	141	*	3.9		1.2	26	NEW BRITAIN REGION, P.N.G.
	03	05	31	04.5*	9.285	S	149.983	E	33	N	4.4		1.3	17	EASTERN NEW GUINEA REG., P.N.G.
	03	05	43	58.5	40.057	N	19.743	E	10				1.4	15	ALBANIA. ML 3.1 (TIR), 3.0 (THE). MD 3.1 (ATH).
	03	05	49	18.0&	61.519	N	150.239	W	36					51	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	03	07	23	28.2&	37.575	N	118.831	W	4					28	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
	03	07	27	08.3*	0.589	N	124.035	E	121	?	4.0		1.3	9	MINAHASSA PENINSULA, SULAWESI
	03	07	31	41.2	15.896	S	72.159	W	123	D	4.7		0.9	49	SOUTHERN PERU
	03	07	46	42.1*	6.498	S	153.375	E	33	N	4.2		1.1	23	NEW BRITAIN REGION, P.N.G.
	03	07	53	38.8*	11.896	N	60.733	W	53	?			0.4	8	WINDWARD ISLANDS. MD 3.4 (TRN).
	03	08	12	23.0	26.873	S	26.666	E	10	G	4.4		0.8	10	REPUBLIC OF SOUTH AFRICA
	03	08	21	15.4	37.304	N	141.962	E	44	*	4.3		1.1	41	NEAR EAST COAST OF HONSHU, JAPAN
	03	09	38	41.4?	18.58	S	167.96	E	33	N	4.3		1.1	8	VANUATU ISLANDS
	03	10	07	27.3	40.160	N	21.615	E	10	G			1.0	7	GREECE. ML 2.3 (THE).
	03	10	42	58.1*	33.749	S	70.948	W	63	?			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	03	11	33	22.4?	1.14	S	24.46	W	10	G	3.9		1.2	8	CENTRAL MID-ATLANTIC RIDGE
	03	11	33	53.8*	23.843	S	66.842	W	190	*	3.1		1.3	6	JUJUY PROVINCE, ARGENTINA
	03	12	40	01.1	42.519	N	18.628	E	23	*			0.5	10	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
	03	13	21	42.9	30.524	S	68.899	W	124		4.3		1.0	24	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
	03	13	33	43.5&	35.741	N	117.868	W	6					31	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.8 (GS).
	03	14	27	51.4%	11.327	N	61.395	W	10	G			0.3	5	WINDWARD ISLANDS. MD 2.5 (TRN).
	03	14	50	49.8&	35.799	N	117.637	W	4					17	CENTRAL CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.8 (GS).
a	03	16	05	25.9	1.007	N	101.332	W	10	G	5.1	5.0	0.8	112	EAST CENTRAL PACIFIC OCEAN. Mw 5.4 (HRV).
	03	16	05	52.4&	35.778	N	117.638	W	6					18	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.8 (GS).
	03	16	10	05.6	5.294	S	153.388	E	48	D	4.7		1.2	44	NEW IRELAND REGION, P.N.G.
	03	16	21	56.9&	62.914	N	151.186	W	121					82	CENTRAL ALASKA. <AEIC>.
	03	16	22	58.4%	40.704	N	22.715	E	10	G			0.7	5	GREECE. ML 1.4 (THE).
	03	17	08	31.2*	6.846	S	147.689	E	33	N	2.7		1.4	6	EASTERN NEW GUINEA REG., P.N.G.
	03	17	33	41.3*	14.461	S	72.013	W	122	?	4.1		0.9	17	CENTRAL PERU
	03	17	51	38.5*	37.935	S	176.181	E	157	?	4.2		1.0	15	NORTH ISLAND, NEW ZEALAND
	03	18	11	59.8&	35.784	N	117.672	W	9					62	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.4 (GS).
	03	18	59	38.2	6.028	S	146.624	E	58		3.7		0.8	12	EASTERN NEW GUINEA REG., P.N.G.
	03	19	05	35.2	7.544	S	156.814	E	412		4.6		1.0	57	SOLOMON ISLANDS
	03	19	27	42.4	43.080	N	17.128	E	10				0.9	11	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG).
	03	19	45	22.5*	5.647	S	153.315	E	33	N	3.8		0.6	8	NEW IRELAND REGION, P.N.G.
	03	20	23	51.3*	30.114	N	138.873	E	444	*	3.6		0.2	10	SOUTH OF HONSHU, JAPAN
	03	20	47	10.5*	7.010	S	147.764	E	81	*	3.5		0.6	8	EASTERN NEW GUINEA REG., P.N.G.
	03	22	02	29.7	35.332	N	27.122	E	31		4.4		1.2	165	DODECANESE ISLANDS. MD 4.3 (ATH). ML 4.3 (THE). Felt on Karpathos and Kasos.

	03	22	34	55.4*	33.307	N	3.098	W	37	*	4.1	1.3	41	MOROCCO. MD 4.1 (SFS).
	03	23	00	28.6&	65.152	N	150.367	W	15	G			29	NORTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.4 (PMR).
	03	23	13	23.3*	5.690	S	103.926	E	80	*	4.4	1.0	23	SOUTHERN SUMATERA, INDONESIA
	03	23	13	30.0	30.104	N	131.185	E	33	N	4.5 4.8	1.4	40	KYUSHU, JAPAN
	03	23	55	31.8*	40.016	N	21.488	E	10	G		0.9	8	GREECE. ML 2.4 (THE).
	04	00	11	04.9	33.209	S	70.688	W	76	*		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
	04	00	42	01.2	42.113	N	142.112	E	81	D	4.5	1.0	62	HOKKAIDO, JAPAN REGION
	04	01	10	57.8&	36.982	N	121.469	W	4				35	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (GS).
	04	01	12	50.5?	21.01	S	168.93	E	44	D	3.9	0.9	7	LOYALTY ISLANDS
	04	01	41	35.1	28.868	S	67.375	W	127		4.2	0.9	24	LA RIOJA PROVINCE, ARGENTINA
	04	01	47	26.9*	3.028	S	130.291	E	33	N	4.3	1.1	12	SERAM, INDONESIA
	04	01	49	03.9*	23.285	S	179.718	W	560	?	4.4	1.1	23	SOUTH OF FIJI ISLANDS
	04	03	28	35.7*	40.025	N	21.498	E	10	G		1.1	9	GREECE. ML 2.4 (THE).
	04	04	09	24.3	40.121	N	21.752	E	10	G	4.0	1.5	50	GREECE. MD 3.6 (ATH). ML 3.6 (THE), 3.6 (TTG). Felt at Kozani.
	04	04	14	52.0&	62.929	N	148.509	W	57				73	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.2 (PMR).
a	04	04	19	51.8	15.152	S	167.415	E	124	D	5.4	1.1	209	VANUATU ISLANDS. Mw 5.1 (HRV).
	04	04	33	10.1	46.665	N	9.698	E	6			0.7	24	SWITZERLAND. ML 3.0 (FUR), 2.5 (LDG), 2.5 (VIE), 2.4 (STR).
	04	04	36	31.1*	1.898	N	99.038	E	33	N	4.2	1.2	14	NORTHERN SUMATERA, INDONESIA. Felt at Tarutung.
	04	05	00	47.6*	37.374	N	137.625	E	40	*	4.4	0.8	11	NEAR WEST COAST OF HONSHU, JAPAN
	04	05	05	22.5*	34.117	S	71.150	W	61	?		0.1	9	NEAR COAST OF CENTRAL CHILE. MD 2.6 (SAN).
	04	05	43	04.2	45.448	N	6.837	E	10			0.5	10	FRANCE. ML 2.3 (GEN).
	04	06	24	29.6&	60.559	N	149.452	W	32				71	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
	04	07	21	47.2	17.852	S	178.151	W	572	D	4.6	1.0	89	FIJI ISLANDS REGION. mb 4.3 (BRK).
	04	07	37	17.2*	12.448	S	119.225	E	33	N	3.5	1.0	7	SOUTH OF SUMBA, INDONESIA
	04	08	24	42.6	38.089	N	21.877	E	10	G	4.0	1.2	31	GREECE. ML 3.6 (THE). MD 3.5 (ATH). Felt at Patrai.
	04	08	55	35.6*	26.535	N	101.638	E	18	*	4.2	0.9	7	YUNNAN, CHINA. ML 3.8 (BJI).
	04	09	21	11.6&	61.667	N	149.664	W	30				81	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 2.8 (PMR).
	04	10	44	18.9%	38.104	N	21.891	E	10	G		0.2	5	GREECE. MD 2.7 (ATH).
	04	11	13	01.7	40.492	N	21.850	E	10	G		0.5	8	GREECE. ML 2.2 (THE).
	04	11	23	26.7%	36.753	N	3.219	W	10	G		1.2	7	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
	04	12	10	20.6?	39.82	N	51.25	E	33	N	4.2	1.1	10	CASPIAN SEA
	04	12	30	22.8*	16.138	S	74.738	W	45	?	4.1	1.1	19	NEAR COAST OF PERU
	04	12	31	02.1	39.242	N	22.982	E	10	G		0.9	13	GREECE. MD 3.0 (ATH). ML 2.6 (THE).
	04	13	23	56.7?	6.37	S	153.78	E	33	N	3.8	1.3	6	NEW BRITAIN REGION, P.N.G.
	04	13	38	10.1&	59.770	N	151.862	W	65				52	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
	04	14	14	35.5	40.766	N	22.738	E	10	G		0.8	7	GREECE. ML 1.5 (THE).
	04	14	16	17.6&	38.681	N	122.743	W	7		4.6 4.5		167	NORTHERN CALIFORNIA. <GM-P>. MD 4.6 (GM). ML 4.8 (BRK), 4.8 (GS). Mo=2.0*10**16 Nm (BRK). Some items knocked from shelves in the Healdsburg area. Felt (V) at Cobb, Lower Lake, Middletown, Oakville, Sebastopol and Windsor; (IV) at Cazadero, El Verano, Glen Ellen, Jenner, Kenwood, Monte Rio, Napa, Occidental, Petaluma, Sonoma, St. Helena and Villa Grande. Felt in Lake, Napa and Sonoma Counties. Also felt in the San Francisco area.
	04	15	21	33.5*	15.743	S	173.873	W	88	*	4.2	1.3	25	TONGA ISLANDS
	04	15	22	19.6*	3.730	S	123.608	E	33	N	3.9	1.3	5	SULAWESI, INDONESIA
	04	15	44	35.6*	38.374	N	22.089	E	10	G		0.1	5	GREECE. MD 2.8 (ATH).
	04	17	02	53.9	45.759	N	6.119	E	9			1.0	77	FRANCE. ML 3.8 (LDG), 3.3 (VIE), 3.2 (STR).
	04	17	22	01.4?	12.10	S	166.71	E	129	?	4.0	1.5	11	SANTA CRUZ ISLANDS
	04	17	47	09.5	29.995	N	57.486	E	33	N	4.4 3.9	1.2	51	SOUTHERN IRAN
	04	18	00	46.7*	8.337	S	117.888	E	144	?	3.8	0.5	9	SUMBAWA REGION, INDONESIA
	04	18	26	19.5&	60.181	N	150.439	W	31				53	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC), 2.9 (PMR).
	04	18	43	45.1*	43.903	N	87.436	E	33	N	4.1	0.9	14	NORTHERN XINJIANG, CHINA
	04	19	26	44.9	51.683	N	16.119	E	10	G		1.1	13	POLAND
	04	20	24	17.7%	33.025	S	71.667	W	12			0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	04	20	27	26.1	24.176	N	121.846	E	33	N	4.4	1.2	28	TAIWAN
	04	20	41	20.3?	44.19	N	139.49	E	124	?	4.1	1.1	14	EASTERN SEA OF JAPAN
	04	21	01	39.6	45.750	N	6.109	E	11			0.9	81	FRANCE. ML 3.8 (LDG), 3.7 (GRF), 3.3 (VIE). MD 3.2 (STR).
	04	21	26	59.6*	40.101	N	142.984	E	35	?	4.2	0.9	14	NEAR EAST COAST OF HONSHU, JAPAN
	04	22	12	48.2	34.032	S	69.148	W	27			0.9	20	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN).
	04	23	55	29.2*	9.590	S	113.997	E	33	N	4.0	0.6	8	SOUTH OF JAWA, INDONESIA
	05	00	32	42.6*	7.130	S	153.723	E	55	*	3.9	1.0	15	NEW BRITAIN REGION, P.N.G.
	05	01	10	32.0	40.418	S	72.118	W	33	N	4.5	1.0	37	CENTRAL CHILE
	05	01	30	15.3?	5.50	S	151.24	E	159	?	4.1	1.3	7	NEW BRITAIN REGION, P.N.G.
	05	01	34	20.4	40.239	N	24.015	E	10	G		1.2	32	AEGEAN SEA. MD 3.3 (ATH). ML 3.2 (THE).
	05	01	51	39.8%	34.017	S	71.001	W	33	N		0.7	9	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	05	02	22	06.4?	32.99	S	70.48	W	85	?		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	05	02	32	38.4	7.330	S	106.768	E	33	N	4.7 4.4	1.1	79	JAWA, INDONESIA
	05	02	43	13.3%	38.368	N	22.076	E	10	G		1.0	5	GREECE. MD 2.8 (ATH).
	05	04	03	23.2&	58.513	N	137.677	W	6				21	SOUTHEASTERN ALASKA. <AEIC>. ML 2.7 (AEIC), 3.2 (PGC).
	05	04	31	23.1?	6.61	S	150.88	E	33	N	4.0	1.4	7	NEW BRITAIN REGION, P.N.G.
	05	05	02	14.3*	39.888	N	19.655	E	10	G		1.4	7	GREECE-ALBANIA BORDER REGION. ML 2.3 (TIR).
	05	05	32	08.9*	46.926	N	150.807	E	216	?	3.9	1.0	28	KURIL ISLANDS
	05	06	09	23.8*	16.872	S	173.467	W	33	N	4.6	0.6	7	TONGA ISLANDS
	05	06	48	25.6?	23.51	S	179.06	E	584	?	4.5	0.8	10	SOUTH OF FIJI ISLANDS
	05	07	05	51.6	51.560	N	16.278	E	10	G	2.7	0.9	11	POLAND. ML 2.6 (MOX).
	05	07	06	25.0%	33.936	S	70.187	W	13			0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	05	07	16	01.8&	62.025	N	124.288	W	0	G			6	NORTHWEST TERRITORIES, CANADA. <PGC-P>. ML 3.4 (PGC).
	05	07	39	40.7&	51.021	N	130.659	W	10	G	3.5		47	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.6 (PGC).
	05	07	41	35.3?	4.90	S	153.49	E	160	?	4.3	1.1	9	NEW IRELAND REGION, P.N.G.
	05	07	44	02.1	31.214	N	77.863	E	46	*	4.2	0.9	28	NORTHERN INDIA
	05	07	59	25.0	40.356	N	21.752	E	10	G		1.1	9	GREECE. ML 2.2 (THE).
	05	09	32	10.3&	40.303	N	124.517	W	21				34	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.4 (GM). ML 3.4 (GS).
	05	09	36	19.8%	40.667	N	22.680	E	10	G		0.3	7	GREECE. ML 1.5 (THE).
	05	10	47	46.8?	33.77	S	72.07	W	20			0.9	13	OFF COAST OF CENTRAL CHILE. MD 4.3 (SAN).
	05	11	14	35.1&	61.807	N	149.896	W	36				80	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).

	05	12 35	08.1&	59.844	N	153.448	W	125					82	SOUTHERN ALASKA. <AEIC>.
	05	12 39	31.6?	43.17	N	127.78	W	10	G			0.3	20	OFF COAST OF OREGON
	05	13 03	55.2*	17.997	S	178.167	W	450	*	4.3		1.0	18	FIJI ISLANDS REGION
	05	13 32	41.1	39.913	N	21.870	E	10	G			0.8	10	GREECE. MD 2.8 (ATH). ML 2.4 (THE).
	05	13 43	06.1	41.642	N	15.367	E	10	G			1.4	27	SOUTHERN ITALY. MD 3.4 (ROM). ML 3.3 (TTG).
	05	13 50	40.1	48.057	N	7.562	E	10	G			0.7	10	FRANCE. ML 1.9 (STR).
	05	14 47	06.8*	37.770	N	21.113	E	10	G			1.4	6	SOUTHERN GREECE. MD 2.8 (ATH).
	05	14 54	31.6%	37.856	N	2.504	W	5	G			1.5	6	SPAIN. mbLg 2.8 (MDD).
	05	15 17	47.4*	17.869	N	100.207	W	67	?			0.2	8	GUERRERO, MEXICO
	05	15 18	39.4?	49.87	N	18.71	E	10	G			1.0	5	CZECH AND SLOVAK REPUBLICS
	05	15 56	04.3*	1.591	N	98.121	E	33	N	4.3		0.8	12	NORTHERN SUMATERA, INDONESIA
	05	16 19	17.0*	27.094	N	96.680	E	33	N	4.3		1.4	13	MYANMAR-INDIA BORDER REGION
	05	16 29	47.2&	37.908	N	121.976	W	16					11	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). Felt at Alamo, Concord and Pittsburg. Also felt from Fremont to Oakland.
	05	16 31	11.3&	37.907	N	121.974	W	16					7	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM). Felt at Alamo, Concord and Pittsburg. Also felt from Fremont to Oakland.
	05	17 20	48.3?	19.17	S	173.08	W	33	N	4.6		0.7	11	TONGA ISLANDS
	05	17 29	47.5	45.819	N	7.121	E	16	*			0.3	10	NORTHERN ITALY. ML 2.4 (GEN), 2.3 (LDG).
	05	17 43	48.3?	29.10	S	177.68	W	33	N	3.9		1.1	9	KERMADEC ISLANDS, NEW ZEALAND
	05	19 00	54.6%	40.754	N	22.733	E	10	G			0.6	7	GREECE. ML 1.8 (THE).
	05	19 01	21.7	43.748	N	147.344	E	49	D	5.1	4.1	0.8	225	KURIL ISLANDS. Felt (V) on Shikotan and (IV) at Yuzhno-Kurilsk, Kunashir.
	05	19 03	42.0?	18.46	S	168.85	E	145	*	4.1		1.3	13	VANUATU ISLANDS
	05	19 49	30.2*	22.974	S	170.142	E	10	G	4.5		0.8	13	LOYALTY ISLANDS REGION
	05	20 27	18.4&	34.199	N	116.439	W	0		4.5			62	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.4 (PAS), 4.6 (GS). Felt (V) at Pioneertown and Yucca Valley; (III) at Cathedral City. Also felt in the Coachella-Palm Springs area.
	05	20 49	40.1	38.966	N	29.600	E	10	G	3.7		1.2	30	TURKEY. MD 4.1 (ATH). Felt in the Gediz area.
	05	20 56	41.9	40.035	N	21.535	E	10	G			1.0	15	GREECE. MD 2.9 (ATH). ML 2.2 (THE).
	05	20 57	55.4	17.325	N	100.470	W	22	*			1.2	11	GUERRERO, MEXICO
	05	21 29	58.4	21.852	S	138.844	W	0	G	4.8		0.8	95	TUAMOTU ARCHIPELAGO REGION. Underground nuclear explosion on Mururoa.
	05	21 47	52.0&	34.178	N	116.430	W	1					31	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.1 (GS). Felt.
	05	21 55	01.2%	33.002	S	71.099	W	43	?			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	05	22 15	28.5	45.222	N	6.676	E	10	G			1.5	8	FRANCE. ML 2.1 (GEN), 2.0 (LDG).
	05	23 01	21.2&	38.360	N	89.040	W	4					15	SOUTHERN ILLINOIS. <SLM-P>. MD 2.9 (SLM). mbLg 2.9 (GS). Felt (IV) at Mount Vernon; (III) at Ashley, Bonnie, Scheller and Waltonville.
	06	00 09	14.4?	38.74	N	20.36	E	10	G			1.2	4	GREECE. MD 2.7 (ATH).
	06	00 11	23.1*	29.156	N	104.012	E	33	N	4.3		1.2	13	SICHUAN, CHINA. ML 4.0 (BJI).
	06	01 55	27.8	5.318	S	140.313	E	10	G	4.0		1.0	14	IRIAN JAYA, INDONESIA
	06	02 11	59.1?	5.74	S	153.62	E	33	N	4.0		1.0	5	NEW IRELAND REGION, P.N.G.
	06	02 29	23.0	40.043	N	21.550	E	5	G			1.0	8	GREECE. MD 2.9 (ATH). ML 2.5 (THE).
	06	02 40	00.4*	37.718	N	27.113	E	33	N			1.3	5	TURKEY. MD 3.5 (ATH).
	06	03 43	40.8	52.847	N	142.751	E	33	N	3.9		0.8	19	SAKHALIN ISLAND
	06	04 03	57.6?	15.34	N	92.48	W	33	N			0.6	5	MEXICO-GUATEMALA BORDER REGION
	06	05 06	18.0?	42.80	N	17.89	E	10	G			0.5	7	ADRIATIC SEA. ML 2.3 (TTG).
	06	05 29	14.5?	6.17	N	72.70	W	150	G			1.0	5	NORTHERN COLOMBIA
	06	05 47	25.8?	30.64	N	142.18	E	33	N	4.2		0.9	7	SOUTH OF HONSHU, JAPAN
	06	05 48	51.6*	38.233	N	21.080	E	5	G			0.9	5	GREECE. MD 2.8 (ATH).
	06	06 51	00.4&	63.433	N	150.403	W	15					46	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
	06	07 01	28.5&	61.673	N	152.012	W	105		4.3			124	SOUTHERN ALASKA. <AEIC>. Felt (III) at Skwentna; (II) at Anchorage and Eagle River.
	06	07 16	51.0	81.113	N	3.213	W	10	G	4.7	3.7	1.3	71	NORTH OF SVALBARD
	06	07 45	33.4?	46.84	N	152.80	E	33	N	4.1		0.8	6	KURIL ISLANDS
	06	07 51	16.1*	42.417	N	20.079	E	20	G			0.4	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	06	07 56	52.7?	7.20	S	153.15	E	100	G	4.1		1.1	8	NEW BRITAIN REGION, P.N.G.
a	06	08 27	34.1	16.422	S	172.891	W	33	N	5.2	4.9	1.0	92	SAMOA ISLANDS REGION. Mw 5.6 (HRV). Ms 5.0 (BRK). Mo=2.1*10**17 Nm (PPT).
	06	08 33	01.6?	23.66	S	169.52	E	33	N	4.5		0.9	10	LOYALTY ISLANDS REGION
	06	08 43	53.5*	31.610	S	71.501	W	20	G			0.4	13	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	06	08 51	17.1%	33.647	S	71.221	W	50	G			0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	06	09 47	08.1	45.407	N	13.994	E	10	G			1.2	14	NORTHERN ITALY. MD 3.3 (LJU). ML 3.1 (VIE). Felt (V) at Ilirska Bistrica, Podgorje and Podgrad, Slovenia.
	06	09 59	42.2	7.118	S	129.795	E	146		4.5		1.2	37	BANDA SEA
	06	10 44	55.5	38.297	N	21.064	E	5	G			1.0	8	GREECE. MD 2.9 (ATH).
	06	10 53	33.8?	40.10	N	21.71	E	10	G			1.2	4	GREECE. ML 2.4 (THE).
	06	10 55	22.6?	38.31	N	21.07	E	5	G			0.1	4	GREECE. MD 2.7 (ATH).
	06	10 58	44.4	45.553	N	26.390	E	126		4.3		0.7	80	ROMANIA. Felt (III) at Chisinau, Moldova.
	06	12 18	57.5?	13.88	N	90.95	W	33	N	4.3		1.0	24	NEAR COAST OF GUATEMALA
	06	12 56	22.8*	20.727	S	68.969	W	126	*	4.6		0.4	11	CHILE-BOLIVIA BORDER REGION
	06	13 10	51.0?	8.71	S	124.24	E	132	?	4.0		1.3	7	TIMOR REGION, INDONESIA
	06	13 38	53.2%	44.756	N	6.752	E	5	G			0.5	5	FRANCE. ML 2.2 (GEN).
	06	13 56	49.8?	44.25	N	7.34	E	5	G			0.3	6	NORTHERN ITALY. ML 2.3 (LDG).
	06	14 33	01.7&	60.166	N	139.528	W	1					40	SOUTHEASTERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.6 (PGC).
	06	14 36	09.3*	56.151	N	35.577	W	10	G	4.5	3.5	0.9	19	NORTH ATLANTIC OCEAN
	06	15 20	34.5*	5.654	S	153.721	E	33	N	4.1		1.1	13	NEW IRELAND REGION, P.N.G.
	06	15 39	35.5	50.414	N	6.121	E	5	G			0.5	7	GERMANY. ML 2.4 (UCC), 2.1 (DBN).
	06	16 10	24.5%	32.618	S	70.456	W	90	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	06	16 18	30.6?	11.91	N	62.02	W	130	G			0.8	5	WINDWARD ISLANDS. MD 3.2 (TRN).
	06	16 23	29.3?	34.00	S	72.30	W	5	G			0.6	9	OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	06	16 38	26.0&	59.734	N	153.376	W	127					46	SOUTHERN ALASKA. <AEIC>.
	06	16 52	56.0*	5.353	S	153.415	E	50	*	4.2		1.0	18	NEW IRELAND REGION, P.N.G.
	06	17 03	25.5&	37.638	N	118.936	W	6					29	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
	06	17 22	22.1?	38.35	N	21.10	E	5	G			0.3	4	GREECE. MD 2.8 (ATH).
	06	17 26	16.9?	38.36	N	21.08	E	10	G			0.2	4	GREECE. MD 2.5 (ATH).
	06	18 23	29.2?	7.74	S	129.39	E	100	G	3.7		0.7	5	BANDA SEA
	06	18 42	48.9?	34.18	S	70.38	W	10	G			0.5	6	CHILE-ARGENTINA BORDER REGION
	06	18 58	30.9?	28.74	S	177.16	W	81	*	4.1		0.4	9	KERMADEC ISLANDS REGION

a	06	19	08	27.3	25.661	S	13.741	W	10	G	4.7	4.7	1.1	54	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.3 (HRV).
	06	19	10	11.4%	10.830	N	61.007	W	5	G			0.6	6	TRINIDAD. MD 3.0 (TRN).
	06	19	26	04.0	7.298	S	128.862	E	153	*	4.5		1.0	47	BANDA SEA
	06	20	03	41.5*	6.400	S	153.741	E	63	*	3.9		1.3	15	NEW BRITAIN REGION, P.N.G.
	06	20	20	45.6*	8.131	S	129.516	E	141	*	4.5		1.2	12	TIMOR SEA
	06	20	43	06.5*	26.332	N	128.793	E	39	D	4.0		0.4	11	RYUKYU ISLANDS
	06	21	37	45.4?	32.15	N	141.94	E	33	N	3.7		0.9	7	SOUTH OF HONSHU, JAPAN
	06	22	07	26.5	23.306	S	170.713	E	33	N	4.9	5.1	1.0	48	LOYALTY ISLANDS REGION
	06	22	32	14.7	1.731	N	66.564	E	10	G	4.6		0.8	18	CARLSBERG RIDGE
	06	22	38	08.5?	38.13	N	21.67	E	10	G			0.1	4	GREECE. MD 2.9 (ATH).
a	06	22	48	49.6	14.943	N	94.253	W	12	G	5.8	5.6	1.0	333	OFF COAST OF CHIAPAS, MEXICO. Mw 6.0 (GS), 5.8 (HRV). Me 5.6 (GS). Ms 5.6 (BRK). Depth from broadband displacement seismograms.
	06	22	58	25.7?	40.05	N	21.49	E	10	G			0.6	4	GREECE. ML 2.2 (THE).
	06	22	59	18.3?	14.86	N	94.43	W	33	N	4.1		1.3	7	OFF COAST OF CHIAPAS, MEXICO
	06	23	09	43.9?	23.40	S	170.25	E	33	N	4.4		1.1	7	LOYALTY ISLANDS REGION
	07	00	16	35.7	23.198	S	66.555	W	200	G	4.3		1.0	31	JUJUY PROVINCE, ARGENTINA
	07	01	25	29.6*	16.085	S	72.227	W	117	*	4.4		1.3	17	NEAR COAST OF PERU. Felt (II) at Arequipa.
	07	01	44	55.5*	40.138	N	21.437	E	10	G			0.6	5	GREECE. ML 2.2 (THE).
	07	01	57	31.9?	18.31	S	169.96	E	33	N	4.5		0.5	7	VANUATU ISLANDS
	07	02	11	22.5*	55.191	N	165.432	E	33	N	3.9	4.3	1.1	11	KOMANDORSKY ISLANDS REGION
	07	02	24	48.4	51.578	N	6.728	E	10	G			1.1	22	GERMANY. ML 3.3 (DBN), 3.1 (LDG), 2.6 (UCC).
	07	02	27	09.3	52.598	N	159.002	E	66		5.1		0.9	199	OFF EAST COAST OF KAMCHATKA. Felt (III) at Petropavlovsk-Kamchatskiy.
	07	02	29	47.2*	23.197	S	70.740	W	33	N	4.3		1.1	11	NEAR COAST OF NORTHERN CHILE
	07	02	50	01.1	38.122	N	22.601	E	20	G			0.9	17	GREECE. ML 3.2 (ATH), 3.2 (THE).
	07	02	52	56.0	38.120	N	22.574	E	20	G	3.6		1.2	21	GREECE. ML 3.4 (ATH), 3.4 (THE).
	07	03	09	16.6?	35.17	S	71.27	W	100	G			0.3	8	CENTRAL CHILE
	07	03	39	13.1%	44.437	N	7.313	E	10	G			0.1	6	NORTHERN ITALY. ML 2.0 (GEN).
	07	04	20	17.4	41.095	N	20.166	E	5	G			0.8	21	ALBANIA. ML 3.3 (TIR), 3.1 (TTG).
	07	05	02	28.8%	33.905	S	70.556	W	90	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	07	05	08	55.9	7.177	S	147.377	E	33	N	3.4		0.7	10	EASTERN NEW GUINEA REG., P.N.G.
	07	05	09	03.8%	15.027	N	60.535	W	33	N			0.1	6	LEEWARD ISLANDS. MG 3.0 (FDF).
	07	05	10	23.6*	28.596	S	177.570	W	69	*	4.3		0.8	17	KERMADEC ISLANDS REGION
	07	05	40	32.1%	33.632	S	71.717	W	33	N			0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	07	06	00	32.2?	40.87	N	111.24	E	5	G			0.6	4	NORTHEASTERN CHINA. ML 3.8 (BJI).
	07	06	19	36.9?	5.46	S	153.12	E	33	N	4.3		1.4	13	NEW IRELAND REGION, P.N.G.
	07	07	13	49.9?	1.95	S	147.43	E	33	N	4.2		1.3	9	ADMIRALTY ISLANDS REGION, P.N.G.
	07	07	58	29.4*	40.275	N	21.639	E	20	G			1.4	8	GREECE. MD 3.1 (ATH). ML 2.5 (THE).
	07	08	46	01.4%	42.418	N	18.523	E	10	G			0.4	6	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	07	08	56	26.8&	63.197	N	150.521	W	126					56	CENTRAL ALASKA. <AEIC>.
	07	09	41	23.8*	11.554	N	86.494	W	33	N	4.3		0.9	24	NEAR COAST OF NICARAGUA
	07	10	04	28.4?	5.13	S	154.13	E	33	N	4.3		0.6	7	SOLOMON ISLANDS
	07	10	33	06.2&	60.289	N	151.059	W	40		4.0			123	KENAI PENINSULA, ALASKA. <AEIC>. ML 4.1 (AEIC), 4.2 (PMR). Felt (III) at Soldotna and Sterling.
	07	10	38	07.5	45.216	N	37.223	E	33	N	4.5		1.1	66	UKRAINE-MOLDOVA-SW RUSSIA REGION. Felt (IV) at Anapa and (III) on Utrish, Russia.
	07	10	43	59.9&	60.289	N	151.061	W	41					45	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	07	10	57	35.7	52.154	N	159.152	E	33	N	4.5		0.8	45	OFF EAST COAST OF KAMCHATKA
	07	11	10	30.0&	58.093	N	152.187	W	51					57	KODIAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
	07	11	29	51.7*	17.694	S	178.806	W	600	G	4.2		0.9	16	FIJI ISLANDS REGION
	07	11	34	26.7%	36.764	N	3.199	W	10	G			0.2	5	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
	07	12	16	37.2	47.801	N	8.014	E	10	G			0.5	12	SWITZERLAND. ML 2.3 (STR).
	07	12	37	25.9%	33.501	S	70.138	W	10	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	07	12	40	26.3%	33.509	S	69.982	W	10	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	07	12	55	03.5	24.854	S	70.571	W	57	*	4.6		1.2	30	NEAR COAST OF NORTHERN CHILE
a	07	13	16	44.9	38.973	N	144.408	E	33	N	5.2	4.6	0.9	186	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV).
a	07	13	39	28.7	22.200	S	170.357	E	94	?	5.0	5.0	1.2	80	LOYALTY ISLANDS REGION. Mw 5.3 (HRV).
	07	14	07	03.8*	29.710	N	129.035	E	200	G	3.9		1.3	13	RYUKYU ISLANDS
	07	15	06	14.4%	40.007	N	106.578	E	10	G			1.0	6	WESTERN NEI MONGOL, CHINA. ML 4.1 (BJI).
	07	15	31	31.0?	33.80	S	69.92	W	15	G			0.8	7	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
	07	15	57	10.1	35.274	N	22.451	E	52	*	3.8		0.6	18	CENTRAL MEDITERRANEAN SEA. MD 3.6 (ATH).
	07	17	02	11.8%	33.246	S	70.935	W	70	G			0.2	9	CHILE-ARGENTINA BORDER REGION
	07	17	09	34.4	51.675	N	16.215	E	10	G			0.6	13	POLAND. ML 2.9 (MOX), 2.8 (CLL).
	07	19	53	46.0*	36.645	N	133.217	E	33	N	3.9		0.9	7	SEA OF JAPAN
	07	19	57	26.8?	19.33	S	176.57	W	250	G	3.8		0.7	9	FIJI ISLANDS REGION
	07	20	34	09.3	40.089	N	21.735	E	5	G			0.7	15	GREECE. MD 2.9 (ATH). ML 2.7 (THE).
	07	20	38	40.6?	22.86	S	171.55	E	33	N	4.6		1.0	14	LOYALTY ISLANDS REGION
	07	21	15	22.9	36.640	N	116.201	W	5	G			0.9	25	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (GS). MD 3.5 (REN). Felt at the Field Operations Center for the Yucca Mountain Project on the Nevada Test Site.
	07	21	30	56.0&	35.787	N	117.630	W	3					29	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	07	22	03	08.1	50.568	N	18.944	E	10	G			1.3	12	POLAND
	07	22	03	19.9	41.705	N	23.791	E	10	G			0.7	11	GREECE-BULGARIA BORDER REGION. ML 2.8 (THE).
	07	22	57	40.9	38.156	N	22.618	E	10	G			1.0	14	GREECE. MD 3.0 (ATH). ML 2.9 (THE).
	07	23	09	02.4*	31.683	S	68.314	W	100	G			1.0	13	SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN).
	07	23	16	49.0?	43.73	N	147.26	E	33	N	4.3		0.5	10	KURIL ISLANDS
	07	23	31	46.3*	36.192	N	24.431	E	33	N	3.6		1.1	7	SOUTHERN GREECE. MD 3.4 (ATH).
	07	23	57	04.7%	39.923	N	21.899	E	5	G			0.5	6	GREECE. ML 2.2 (THE).
a	08	00	27	48.8*	56.202	S	122.267	W	10	G	4.8	5.7	1.3	54	SOUTHERN EAST PACIFIC RISE. Mw 5.8 (GS), 5.9 (HRV). Ms 5.8 (BRK).
	08	00	30	16.9*	56.057	S	122.699	W	10	G	4.3		0.7	18	SOUTHERN EAST PACIFIC RISE
	08	00	51	35.6?	44.47	N	7.28	E	10	G			0.0	4	NORTHERN ITALY. ML 1.9 (GEN).
	08	01	00	09.4?	55.88	S	122.38	W	10	G	4.0		1.5	9	SOUTHERN EAST PACIFIC RISE
a	08	01	15	28.2	56.222	S	122.419	W	10	G	5.2	6.3	1.0	192	SOUTHERN EAST PACIFIC RISE. Mw 6.3 (GS), 6.3 (HRV).
	08	01	26	08.1*	13.390	S	167.248	E	39	*	4.1		0.7	15	VANUATU ISLANDS
	08	02	24	53.9*	19.563	S	68.461	W	161	*	3.7		0.5	12	CHILE-BOLIVIA BORDER REGION
	08	02	50	02.9	4.040	S	136.285	E	33	N	5.0		1.2	36	IRIAN JAYA REGION, INDONESIA
	08	03	23	44.2?	39.63	N	15.26	E	300	G	3.9		1.0	11	SOUTHERN ITALY
	08	04	09	54.8?	23.83	S	179.69	E	600	G	4.4		0.4	9	SOUTH OF FIJI ISLANDS
	08	04	35	57.2%	36.825	N	3.031	W	5	G			1.2	15	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD). Felt (III) in the Adra area, Spain.
	08	04	43	21.0	32.298	S	68.563	W	135	*			0.6	22	MENDOZA PROVINCE, ARGENTINA. MD 3.8 (SAN).

	08	04	56	20.6*	49.032	N	6.813	E	10	G		1.5	8	GERMANY
	08	07	08	22.0*	19.485	N	78.091	W	10	G	4.3	1.2	21	CUBA REGION
	08	07	15	22.6%	33.500	S	69.973	W	10	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	08	07	50	29.2&	60.199	N	153.434	W	139				64	SOUTHERN ALASKA. <AEIC>.
	08	07	58	25.9*	31.128	S	68.986	W	116	*		0.8	20	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
	08	08	17	48.4*	36.735	N	9.401	W	33	N		1.1	16	WEST OF GIBRALTAR. MD 3.7 (MDD), 3.2 (RBA).
	08	08	44	24.8*	5.667	S	153.474	E	72	?	4.6 4.5	1.3	29	NEW IRELAND REGION, P.N.G.
	08	09	35	43.5?	41.82	N	126.83	W	10	G		0.4	15	OFF COAST OF NORTHERN CALIFORNIA
	08	09	49	14.7	62.064	N	4.026	E	10	G		0.6	13	NORWEGIAN SEA. MD 2.8 (BER).
	08	09	56	52.4*	47.397	N	152.900	E	150	G	3.7	0.7	10	KURIL ISLANDS
	08	10	32	52.4%	38.469	N	22.070	E	5	G		1.6	5	GREECE. MD 2.8 (ATH).
	08	12	05	24.5%	61.844	N	4.148	E	10	G		0.0	5	SOUTHERN NORWAY. MD 1.9 (BER).
	08	12	13	22.1	29.489	N	32.256	E	10	G	3.9	0.5	9	EGYPT
	08	12	57	29.2	39.071	N	26.099	E	10	G		0.9	20	TURKEY. ML 3.8 (THE), 3.7 (ATH).
	08	14	21	33.4%	41.294	N	23.837	E	5	G		0.1	6	GREECE-BULGARIA BORDER REGION. ML 2.4 (THE).
	08	14	42	37.1?	5.26	N	127.45	E	33	N	4.5	0.4	8	PHILIPPINE ISLANDS REGION
	08	14	47	25.7*	29.470	N	142.476	E	33	N	4.4	0.9	10	SOUTH OF HONSHU, JAPAN
	08	15	36	08.4?	41.51	N	24.03	E	5	G		0.4	5	GREECE-BULGARIA BORDER REGION. ML 2.9 (THE).
	08	15	39	04.9	33.770	N	135.172	E	47	*	4.4	1.1	35	NEAR S. COAST OF WESTERN HONSHU
a	08	16	03	37.5	9.126	S	67.322	E	10	G	5.0 4.8	1.1	67	MID-INDIAN RIDGE. Mw 5.6 (HRV).
	08	16	46	56.7	45.289	N	5.864	E	5	G		0.9	62	FRANCE. ML 3.5 (LDG). MD 3.0 (STR).
	08	17	11	07.1*	37.099	N	28.483	E	5	G		0.4	5	TURKEY. MD 3.8 (ATH).
a	08	17	12	41.0*	22.856	S	172.851	E	33	N	4.4 4.8	1.1	18	LOYALTY ISLANDS REGION. Mw 5.3 (HRV).
	08	17	16	48.9*	23.003	S	172.687	E	33	N	4.5	1.6	19	LOYALTY ISLANDS REGION
a	08	17	25	47.1	14.873	N	94.261	W	18		5.6 5.0	1.0	346	OFF COAST OF CHIAPAS, MEXICO. Mw 5.3 (HRV). Ms 5.1 (BRK).
	08	17	49	57.6*	1.211	N	28.487	W	10	G	4.3	0.8	15	CENTRAL MID-ATLANTIC RIDGE
	08	18	06	15.9	34.407	S	55.347	E	10	G	4.7 4.7	1.1	39	SOUTHWEST INDIAN RIDGE
	08	19	43	15.8*	23.278	N	125.321	E	33	N	4.3	0.8	13	SOUTHWESTERN RYUKYU ISLANDS
	08	19	57	19.8	61.909	N	4.088	E	10	G		1.2	19	SOUTHERN NORWAY. MD 3.0 (BER). ML 3.0 (BGS).
	08	20	51	43.0*	61.842	N	4.090	E	10	G		0.8	13	SOUTHERN NORWAY. MD 2.5 (BER).
	08	20	57	41.7?	40.72	N	22.74	E	5	G		0.1	4	GREECE. ML 1.7 (THE).
	08	21	14	25.0%	61.823	N	4.207	E	10	G		0.3	5	SOUTHERN NORWAY. MD 1.9 (BER).
	08	21	37	52.5	7.279	S	129.095	E	33	N	4.4	1.2	23	BANDA SEA
	08	22	33	47.3	21.844	N	142.896	E	269	D	4.6	1.2	72	MARIANA ISLANDS REGION
	08	23	12	01.5?	38.22	N	21.13	E	5	G		0.5	4	GREECE. MD 2.4 (ATH).
	08	23	24	50.3*	10.768	N	62.102	W	33	N		0.8	6	NEAR COAST OF VENEZUELA. MD 3.3 (TRN).
	08	23	30	40.3&	59.852	N	154.256	W	196				95	SOUTHERN ALASKA. <AEIC>.
	08	23	43	11.0*	38.417	N	22.209	E	5	G		1.0	5	GREECE. ML 2.9 (ATH).
	08	23	46	14.0	47.857	N	15.799	E	10	G		1.0	12	AUSTRIA. ML 2.6 (BRA), 2.6 (VIE). Felt (IV) at Schwarzau im Gebirge.
	09	00	31	39.9*	49.425	S	164.260	E	10	G	4.6 4.3	1.2	22	AUCKLAND ISLANDS REGION
	09	01	19	25.9	31.293	N	103.746	E	33	N	4.5	1.0	26	SICHUAN, CHINA. ML 4.2 (BJI).
	09	01	32	00.8%	61.194	N	3.841	E	10	G		0.7	7	NORWEGIAN SEA. MD 1.8 (BER).
	09	01	51	16.6%	40.713	N	22.733	E	5	G		0.4	8	GREECE. ML 2.4 (THE).
	09	02	09	18.8	16.710	N	62.175	W	5	G		0.5	8	LEEWARD ISLANDS. ML 2.8 (FDF).
	09	02	19	00.3	12.195	N	87.707	W	33	N	4.9	1.0	95	NEAR COAST OF NICARAGUA. MD 5.0 (SSS). Felt (II) at San Salvador, El Salvador.
	09	03	08	52.6	47.486	N	121.731	W	20	G		0.6	7	WASHINGTON. ML 2.7 (GS).
	09	04	12	16.4	57.941	N	142.574	W	10	G		1.0	30	GULF OF ALASKA. ML 2.9 (AEIC), 2.6 (PGC).
	09	07	01	46.0*	47.190	S	16.425	W	10	G	4.3	0.7	7	SOUTHERN MID-ATLANTIC RIDGE
	09	07	32	04.7	16.711	N	62.161	W	5	G		0.6	6	LEEWARD ISLANDS. ML 2.9 (FDF).
	09	08	05	25.5&	62.116	N	147.667	W	6				52	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
	09	08	08	16.2&	34.156	N	116.434	W	7				45	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.5 (GS). Felt (IV) at Yucca Valley and (II) at Forest Falls.
	09	09	32	32.6?	40.88	N	23.92	E	5	G		0.6	4	GREECE. ML 2.2 (THE).
	09	09	36	13.3*	6.714	S	147.372	E	33	N	3.9	0.7	5	EASTERN NEW GUINEA REG., P.N.G.
	09	09	49	46.9&	61.200	N	152.294	W	5				49	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
	09	10	30	57.0?	37.26	N	3.72	W	10	G		0.9	4	SPAIN. mbLg 1.9 (MDD).
	09	10	55	10.1?	55.43	S	144.30	E	10	G	4.3	1.1	5	WEST OF MACQUARIE ISLAND
a	09	12	08	07.9	49.292	N	155.740	E	36		5.4	0.9	295	KURIL ISLANDS. Mw 5.4 (HRV).
	09	12	14	47.1%	61.824	N	4.147	E	10	G		0.1	6	SOUTHERN NORWAY. MD 2.2 (BER).
	09	12	39	54.2%	33.160	S	71.223	W	50	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
	09	13	05	07.1*	23.193	S	70.599	W	61	*	4.2	1.4	15	NEAR COAST OF NORTHERN CHILE
	09	13	23	22.3*	78.344	N	7.625	E	10	G	3.8	1.2	13	SVALBARD REGION
	09	13	30	48.5?	33.57	S	179.59	W	75	?	4.9	1.3	20	SOUTH OF KERMADEC ISLANDS
	09	13	50	35.1	61.845	N	4.110	E	10	G		1.0	19	SOUTHERN NORWAY. ML 3.3 (BGS). MD 3.0 (BER).
	09	13	59	39.4?	36.71	N	4.11	W	33	N		0.3	5	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
	09	15	30	11.1%	61.824	N	4.249	E	10	G		0.3	6	SOUTHERN NORWAY. MD 2.0 (BER).
	09	15	38	47.1?	16.96	S	174.71	W	150	G	3.6	1.4	9	TONGA ISLANDS
	09	15	50	12.5	38.340	N	22.104	E	5	G		1.2	7	GREECE. MD 2.8 (ATH).
	09	16	08	21.4	23.306	S	70.413	W	33	N	4.4	1.0	28	NEAR COAST OF NORTHERN CHILE
	09	16	09	54.8?	34.12	S	56.09	E	10	G	4.2	0.5	8	SOUTH INDIAN OCEAN
	09	16	10	32.1*	34.263	S	55.883	E	10	G	4.4	0.7	8	SOUTHWEST INDIAN RIDGE
	09	16	17	15.6	14.866	N	60.649	W	110		4.4	0.8	56	WINDWARD ISLANDS. MD 4.6 (TRN). Felt (III) on Martinique.
	09	16	23	00.3	44.961	N	111.719	W	5	G		0.3	8	HEBGEN LAKE REGION. ML 3.4 (BUT).
	09	16	33	44.5*	23.412	S	70.696	W	43	*	4.4	1.2	26	NEAR COAST OF NORTHERN CHILE
	09	16	37	19.0	45.721	N	15.425	E	10	G		0.4	7	NORTHWESTERN BALKAN REGION. MD 2.8 (LJU).
	09	17	29	17.7?	0.74	S	18.91	W	10	G	4.1	0.5	9	CENTRAL MID-ATLANTIC RIDGE
	09	17	29	23.2*	59.612	S	149.436	E	10	G	4.2	1.5	12	WEST OF MACQUARIE ISLAND
	09	17	38	15.8*	34.164	S	179.020	E	229	?	4.6	1.4	34	SOUTH OF KERMADEC ISLANDS
	09	18	18	52.5	43.773	N	7.385	E	5	G		0.5	10	NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG).
	09	18	20	21.3	50.772	N	0.881	W	10	G		1.0	15	UNITED KINGDOM. ML 3.3 (LDG), 2.6 (BGS).
	09	18	22	36.5	21.504	N	93.543	E	48	D	4.2	1.0	25	MYANMAR
	09	19	15	36.3	31.697	S	70.204	W	130	G		0.7	21	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	09	19	49	48.7	20.767	S	174.068	W	33	N	4.9 4.9	0.9	83	TONGA ISLANDS
	09	20	07	30.5*	38.183	N	20.662	E	5	G		0.7	5	GREECE. MD 2.9 (ATH).
	09	20	26	40.4	38.180	N	22.570	E	10	G		1.2	7	GREECE. ML 2.9 (ATH).
	09	20	35	20.8?	17.59	S	178.90	W	600	G	3.6	0.7	6	FIJI ISLANDS REGION
a	09	20	58	40.4	20.135	S	69.323	W	75	G	5.6 4.9	1.0	288	NORTHERN CHILE. Mw 5.8 (GS), 5.9 (HRV). Depth from broadband displacement seismograms.
	09	21	29	19.5*	45.541	N	16.440	E	10	G		1.3	10	NORTHWESTERN BALKAN REGION. MD 3.2 (LJU).

	09	22	08	30.5	14.858	N	94.357	W	33	N	5.0	4.6	1.1	144	OFF COAST OF CHIAPAS, MEXICO
	09	22	15	28.5	16.746	S	71.832	W	91	*	4.6		1.0	35	SOUTHERN PERU. Felt (IV) at Mollendo and (III) at Arequipa.
	09	22	58	05.5*	43.332	N	146.918	E	67	D	4.5		1.2	20	KURIL ISLANDS
	09	23	20	29.1*	8.259	S	73.978	W	161	D	4.2		1.5	16	PERU-BRAZIL BORDER REGION
	09	23	32	02.3	7.774	N	134.872	E	10	G	4.9	4.1	1.2	57	WESTERN CAROLINE ISLANDS
	09	23	35	14.4*	22.495	S	65.925	W	259	*	3.8		1.4	14	JUJUY PROVINCE, ARGENTINA
a	09	23	41	24.6	0.151	S	125.241	E	64	D	5.2		1.2	99	SOUTHERN MOLUCCA SEA. Mw 5.4 (HRV).
	09	23	45	54.9	31.833	S	69.721	W	138	*			0.7	19	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (SAN).
	09	23	50	58.9	44.014	N	7.587	E	10	G			0.5	11	NORTHERN ITALY. ML 2.2 (LDG), 2.0 (GEN).
	10	00	08	38.8*	36.421	N	70.692	E	198	?	4.0		0.9	18	HINDU KUSH REGION, AFGHANISTAN
	10	00	13	34.8?	32.06	N	141.99	E	50	?	4.1		0.7	10	SOUTH OF HONSHU, JAPAN
	10	00	21	12.8?	5.81	S	146.84	E	200	G			0.6	6	EASTERN NEW GUINEA REG., P.N.G.
	10	00	26	14.0	14.733	N	94.329	W	33	N	4.6	4.3	1.2	60	OFF COAST OF CHIAPAS, MEXICO
	10	01	05	41.8*	24.685	N	122.992	E	33	N	3.8		1.1	8	TAIWAN REGION
	10	01	27	44.5*	8.533	N	126.544	E	33	N	4.4		1.1	16	MINDANAO, PHILIPPINE ISLANDS
	10	01	31	56.0?	61.07	N	3.99	E	15	G			1.2	6	NORWEGIAN SEA. MD 1.9 (BER).
	10	01	53	22.6%	42.532	N	19.241	E	10	G			0.8	5	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
	10	02	01	09.4%	62.020	N	4.982	E	10	G			0.5	5	NORWEGIAN SEA. MD 1.9 (BER).
	10	02	39	21.1?	38.36	N	22.18	E	10	G			1.9	4	GREECE. MD 2.9 (ATH).
	10	02	41	04.9	14.233	S	167.344	E	230	*	4.6		0.9	105	VANUATU ISLANDS
	10	02	53	18.4	38.333	N	22.082	E	5	G			1.1	11	GREECE. MD 3.3 (ATH).
	10	02	59	24.2%	39.098	N	2.245	W	10	G			0.6	5	SPAIN. mbLg 2.5 (MDD).
	10	03	12	05.3	14.760	N	94.279	W	33	N	4.6	4.2	0.9	36	OFF COAST OF CHIAPAS, MEXICO
	10	04	13	22.2	5.491	S	104.874	E	90	*	4.7		1.2	49	SOUTHERN SUMATERA, INDONESIA
	10	04	28	55.0	51.625	N	16.300	E	10	G			0.8	10	POLAND. ML 2.6 (MOX).
	10	05	12	14.9	40.195	N	21.797	E	5	G			0.5	7	GREECE. ML 2.4 (THE).
a	10	06	02	58.8	14.936	N	94.178	W	33	N	5.1	4.8	1.1	207	OFF COAST OF CHIAPAS, MEXICO. Mw 5.4 (HRV).
	10	06	17	53.0*	28.848	S	67.607	W	126	*	4.2		1.3	29	LA RIOJA PROVINCE, ARGENTINA
	10	07	16	28.8?	35.17	S	71.30	W	100	G			0.3	10	CENTRAL CHILE. MD 3.4 (SAN).
	10	07	49	57.8	47.740	N	12.929	E	5	G			0.8	13	AUSTRIA. ML 2.7 (MOX), 2.6 (VIE), 2.4 (FUR). Felt (IV) at Grossgmain.
	10	09	27	50.8&	37.505	N	118.868	W	3					36	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
	10	09	51	19.3%	34.316	S	70.987	W	70	G			0.2	9	CHILE-ARGENTINA BORDER REGION
	10	09	57	40.8	20.326	N	120.220	E	33	N	4.4		1.0	52	PHILIPPINE ISLANDS REGION
	10	10	04	05.5?	17.09	N	99.33	W	33	N			1.0	6	GUERRERO, MEXICO
	10	10	09	14.5&	63.097	N	150.942	W	130					37	CENTRAL ALASKA. <AEIC>.
	10	10	12	06.6%	37.495	N	1.709	W	10	G			0.9	5	SPAIN. mbLg 2.5 (MDD).
	10	12	30	59.5*	15.612	N	39.396	E	10	G	4.5	3.9	0.9	43	ETHIOPIA
	10	12	53	07.9	39.963	N	20.662	E	5	G	3.4		1.2	34	GREECE-ALBANIA BORDER REGION. ML 3.6 (TTG), 3.5 (TIR), 3.3 (THE). MD 3.6 (ATH).
	10	13	33	16.8*	23.428	S	70.580	W	74	?	4.3		1.6	12	NEAR COAST OF NORTHERN CHILE
	10	14	54	17.4?	18.30	N	66.61	W	10	G			0.5	4	PUERTO RICO REGION. MD 2.1 (MPR).
	10	15	23	07.5	34.894	N	137.119	E	301	D	4.4		0.9	68	NEAR S. COAST OF HONSHU, JAPAN
	10	16	26	55.8	18.859	N	145.114	E	605		4.1		0.8	49	MARIANA ISLANDS
	10	16	56	53.9*	55.316	S	28.090	W	33	N	4.5		0.7	12	SOUTH SANDWICH ISLANDS REGION
	10	17	13	46.5&	60.012	N	152.665	W	99					47	SOUTHERN ALASKA. <AEIC>.
	10	17	25	33.8	7.898	N	121.939	E	49	*	3.6		0.6	15	MINDANAO, PHILIPPINE ISLANDS
	10	17	34	02.0?	4.87	S	153.58	E	141	?	4.4		0.9	9	NEW IRELAND REGION, P.N.G.
	10	17	45	36.9%	39.061	N	23.192	E	10	G			0.7	6	AEGEAN SEA
	10	18	03	54.5&	59.720	N	153.389	W	113					30	SOUTHERN ALASKA. <AEIC>.
	10	18	42	50.3?	21.34	S	68.63	W	150	G	4.5		1.8	6	CHILE-BOLIVIA BORDER REGION
	10	18	56	40.7*	30.303	S	71.465	W	10	G			0.8	15	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	10	19	09	12.2	8.034	N	122.031	E	33	N	4.4	4.5	1.1	44	MINDANAO, PHILIPPINE ISLANDS
	10	19	29	38.5*	32.433	S	71.696	W	20	G			0.9	16	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	10	23	02	49.6&	62.048	N	152.092	W	145					38	CENTRAL ALASKA. <AEIC>.
	10	23	48	32.7*	1.744	S	127.451	E	33	N	4.6		1.2	17	HALMAHERA, INDONESIA
	11	01	42	12.3?	13.07	N	143.21	E	208	?	4.1		0.6	10	SOUTH OF MARIANA ISLANDS
	11	01	48	47.0	39.396	N	74.149	E	33	N	4.0		0.7	16	SOUTHERN XINJIANG, CHINA
	11	02	05	12.1	45.577	N	7.095	E	5	G			0.7	15	NORTHERN ITALY. ML 2.4 (GEN), 2.3 (LDG).
	11	02	31	24.7?	34.32	S	71.85	W	33	N			0.8	14	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	11	02	58	34.3	40.174	N	21.830	E	10	G			1.1	17	GREECE. MD 3.1 (ATH). ML 2.9 (THE).
	11	03	51	31.7	45.674	N	154.176	E	25	D	4.7	4.2	1.2	76	EAST OF KURIL ISLANDS
	11	04	02	17.1*	49.530	N	20.164	E	10	G			1.5	14	POLAND. ML 3.5 (MOX).
	11	04	18	15.1*	12.112	N	125.502	E	33	N	4.8		0.6	26	SAMAR, PHILIPPINE ISLANDS
a	11	04	22	52.7	0.986	N	101.452	W	10	G	5.4	4.7	0.9	172	EAST CENTRAL PACIFIC OCEAN. Mw 5.6 (HRV). Ms 4.5 (BRK). Mo=7.9*10**17 Nm (PPT).
	11	05	42	10.4	36.135	N	8.608	W	33	N			1.3	51	WEST OF GIBRALTAR. MD 3.9 (MDD), 3.8 (RBA), 3.5 (SFS).
	11	06	03	24.4?	40.92	N	19.90	E	10	G			0.8	10	ALBANIA. ML 2.6 (TTG).
	11	06	06	04.0&	59.261	N	151.837	W	57		4.2			99	KENAI PENINSULA, ALASKA. <AEIC>. ML 4.1 (AEIC), 4.2 (PMR). Felt (II) at Port Graham.
	11	06	27	52.7?	11.57	S	114.81	E	33	N	3.9		1.7	7	SOUTH OF BALI, INDONESIA
	11	06	52	40.1?	38.07	N	21.02	E	33	N			0.3	4	GREECE. MD 2.6 (ATH).
	11	08	12	59.1?	36.61	N	26.89	E	33	N			1.5	6	DODECANESE ISLANDS. MD 3.8 (ATH).
	11	08	39	12.6?	38.11	N	21.65	E	33	N			1.1	4	GREECE. MD 2.5 (ATH).
	11	09	25	50.4	38.168	N	22.778	E	10	G			0.8	24	GREECE. MD 3.5 (ATH). ML 3.4 (THE).
	11	09	29	36.4*	50.212	N	6.619	E	10	G			0.9	5	GERMANY. ML 2.1 (UCC), 1.8 (DBN).
	11	10	17	15.1&	46.613	N	112.010	W	5					8	MONTANA. <BUT-P>. ML 2.7 (BUT). Felt at Helena.
	11	10	27	07.1	27.139	S	68.465	W	100	*	4.2		1.3	22	CHILE-ARGENTINA BORDER REGION
	11	10	37	13.1	38.107	N	21.827	E	10	G			1.5	7	GREECE. MD 2.9 (ATH).
	11	10	40	40.3*	38.111	N	21.906	E	10	G			0.4	5	GREECE. MD 2.8 (ATH).
	11	10	45	57.9	38.129	N	21.853	E	10	G			0.7	6	GREECE. MD 2.7 (ATH).
	11	10	47	20.5	38.155	N	21.845	E	10	G			0.9	6	GREECE. MD 2.8 (ATH).
	11	10	52	16.3?	38.09	N	21.81	E	10	G			1.3	4	GREECE. MD 2.8 (ATH).
	11	10	58	41.4*	39.007	S	78.316	E	15	D	4.9	5.0	1.3	30	MID-INDIAN RIDGE
	11	11	07	32.5	55.766	N	161.734	E	33	N	4.5		1.0	58	NEAR EAST COAST OF KAMCHATKA
	11	11	29	38.8?	40.19	N	22.08	E	10	G			1.4	5	GREECE
a	11	11	40	32.5	53.823	N	160.439	E	33	N	5.3	4.6	0.9	329	NEAR EAST COAST OF KAMCHATKA. Mw 5.4 (HRV). Ms 4.5 (BRK). Felt (V) at Petropavlovsk-Kamchatskiy.
	11	11	57	38.9	50.455	N	18.916	E	10	G			1.3	17	POLAND. ML 3.7 (VIE), 3.3 (MOX).
	11	12	13	02.4%	33.500	S	69.981	W	10	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	11	12	18	48.9*	3.507	S	89.899	E	10	G	4.3		1.1	15	SOUTH INDIAN OCEAN

	11	12 21 38.0	13.721	S	167.163	E	201		5.0		1.1	161	VANUATU ISLANDS
	11	12 27 36.8%	40.723	N	21.768	E	10	G			0.6	5	GREECE. ML 2.1 (THE).
	11	12 36 49.0	40.747	N	140.146	E	167		4.6		0.8	155	EASTERN HONSHU, JAPAN
	11	13 21 40.5	7.117	S	106.212	E	33	N	4.4		0.9	27	JAWA, INDONESIA
	11	14 06 48.0?	22.94	S	69.45	E	10	G	4.2		1.4	10	MID-INDIAN RIDGE
	11	14 19 02.2&	40.391	N	125.723	W	14					65	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.7 (GS).
	11	15 04 37.0	46.805	N	7.274	E	5	G			1.1	25	SWITZERLAND. ML 3.1 (LDG).
	11	15 38 43.9?	34.20	S	71.95	W	33	N			0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	11	16 25 11.7%	46.864	N	5.504	E	10	G			0.2	7	FRANCE. ML 2.0 (LDG).
	11	16 39 58.3	44.460	N	8.319	E	10	G			1.1	16	NORTHERN ITALY. ML 2.3 (GEN), 2.3 (LDG), 1.9 (STR).
	11	16 59 25.9?	36.78	N	3.04	W	10	G			0.1	4	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
	11	17 34 07.5*	38.358	N	23.955	E	10	G			1.1	12	GREECE. MD 3.0 (ATH). ML 2.9 (THE).
	11	18 33 15.1	40.025	N	21.606	E	10	G			1.4	14	GREECE. MD 2.9 (ATH). ML 2.4 (THE).
	11	18 37 23.7&	35.788	N	117.663	W	7					77	CENTRAL CALIFORNIA. <PAS-P>. ML 4.2 (PAS), 4.1 (GS). Felt in the China Lake-Ridgecrest area. Felt (III) at Tehachapi.
	11	20 26 48.9*	12.694	S	166.362	E	68	*	4.2		1.2	30	SANTA CRUZ ISLANDS
	11	21 02 56.1&	61.600	N	149.910	W	38					50	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	11	21 15 57.1%	42.603	N	19.045	E	10	G			0.4	5	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
	11	22 55 53.4	44.695	N	6.839	E	5	G			0.5	41	FRANCE. ML 2.8 (GEN), 2.8 (LDG).
	11	22 57 14.1*	54.766	N	161.939	E	33	N	4.1		1.1	19	NEAR EAST COAST OF KAMCHATKA
	11	23 17 00.7*	36.658	N	140.601	E	71	D	4.1		1.2	17	NEAR EAST COAST OF HONSHU, JAPAN
	11	23 23 32.5?	12.51	S	113.63	E	33	N	4.0		0.9	6	NORTHWEST OF AUSTRALIA
	12	00 05 20.7*	4.785	S	153.722	E	105	*	4.5		0.7	18	NEW IRELAND REGION, P.N.G.
	12	02 17 36.0*	40.176	N	21.647	E	5	G			0.4	5	GREECE. ML 1.9 (THE).
	12	02 27 50.7*	13.017	N	145.112	E	72		4.4		0.8	19	MARIANA ISLANDS
	12	02 37 49.7*	23.215	S	13.564	W	10	G	4.1		1.3	18	SOUTHERN MID-ATLANTIC RIDGE
	12	02 42 17.0%	37.041	N	2.397	W	10	G			0.1	6	SPAIN. mbLg 2.2 (MDD).
	12	03 27 56.9%	39.931	N	23.440	E	10	G			0.5	7	AEGEAN SEA. ML 2.4 (THE).
	12	03 59 05.0&	45.610	N	74.430	W	18	G				11	SOUTHERN ONTARIO, CANADA. <OTT-P>. mbLg 3.7 (OTT). Felt in the Hawkesbury area. Also felt at Grenville, Lachute and St. Sauveur, Quebec.
	12	04 49 16.5?	37.09	N	3.50	W	5	G			0.1	4	SPAIN. mbLg 2.2 (MDD).
	12	05 00 17.3*	8.643	S	119.087	E	97	*	4.8		1.1	50	FLORES REGION, INDONESIA
	12	06 39 13.4&	58.984	N	153.073	W	73					43	KODIAK ISLAND REGION. <AEIC>.
	12	07 22 40.1	41.857	N	19.695	E	10	G			0.7	15	ALBANIA. ML 2.7 (TIR), 2.6 (TTG).
	12	08 40 43.1*	23.749	S	71.089	W	33	N	4.5		1.4	48	OFF COAST OF NORTHERN CHILE
	12	09 28 13.0?	37.09	N	20.34	E	33	N			0.5	5	IONIAN SEA. MD 3.1 (ATH).
	12	09 47 58.8%	50.231	N	18.949	E	10	G			0.9	5	POLAND. MG 2.6 (WAR).
	12	10 54 01.3	11.785	N	125.562	E	29	D	4.8	4.1	0.7	65	SAMAR, PHILIPPINE ISLANDS
	12	11 37 42.5?	39.41	N	22.77	E	10	G			0.4	4	GREECE. ML 1.9 (THE).
	12	12 02 06.4?	7.23	S	128.87	E	33	N	4.1		1.1	15	BANDA SEA
	12	12 44 41.2	21.709	S	179.337	W	601	D	4.8		0.8	94	FIJI ISLANDS REGION. mb 4.9 (BRK).
	12	13 00 49.4	11.756	N	125.515	E	33	N	4.4		0.6	27	SAMAR, PHILIPPINE ISLANDS
	12	13 11 44.2	27.843	S	26.655	E	5	G	4.3		1.2	19	REPUBLIC OF SOUTH AFRICA. mbLg 4.0 (BUL). ML 3.8 (PRE).
	12	13 29 28.8?	38.36	N	22.18	E	10	G			0.4	4	GREECE. MD 2.5 (ATH).
a	12	14 23 32.7	21.721	S	179.347	W	600	D	5.1		0.9	240	FIJI ISLANDS REGION. Mw 5.6 (HRV). mb 5.1 (BRK).
	12	16 40 51.9*	32.370	S	71.041	W	80	G			0.7	12	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	12	18 10 56.3?	7.66	S	127.41	E	163	?	3.9		1.1	11	BANDA SEA
	12	19 45 31.9?	17.95	S	176.80	W	33	N	4.4	4.7	1.6	15	FIJI ISLANDS REGION
	12	20 05 46.3?	49.49	S	125.93	E	10	G	4.1	4.2	1.4	11	SOUTH OF AUSTRALIA
	12	20 42 50.4?	42.37	N	0.94	E	5	G			1.4	14	PYRENEES. mbLg 3.0 (MDD). ML 2.8 (LDG).
	12	21 09 07.4%	46.174	N	0.003	W	5	G			1.4	14	FRANCE. ML 2.4 (LDG).
	12	22 00 37.7&	51.171	N	131.215	W	10	G				9	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.2 (PGC).
	12	22 14 04.9	47.204	N	18.104	E	10	G			0.9	40	HUNGARY. ML 3.8 (GRF), 3.6 (VIE), 3.4 (FUR), 3.3 (BRA).
	12	22 14 17.6&	51.184	N	131.204	W	10	G				10	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.4 (PGC).
	12	22 44 24.5&	51.280	N	131.132	W	10	G	4.6	4.5		158	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 4.3 (PGC).
	12	22 57 15.2*	23.047	S	170.321	E	33	N	4.4	4.8	1.4	20	LOYALTY ISLANDS REGION
	12	22 59 50.9&	51.217	N	131.205	W	10	G				9	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.9 (PGC).
	12	23 02 22.3	38.307	N	22.227	E	5	G			1.1	17	GREECE. MD 3.0 (ATH).
	12	23 20 04.8&	51.196	N	131.231	W	10	G				7	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.3 (PGC).
	12	23 38 13.9&	51.155	N	131.212	W	10	G				10	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.4 (PGC).
	12	23 44 06.4?	7.52	S	129.56	E	178	?	4.5		1.4	10	BANDA SEA
	13	00 12 02.5%	42.412	N	19.423	E	10	G			0.6	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	13	00 49 05.8*	16.588	S	174.499	W	33	N	4.5	4.9	1.3	32	TONGA ISLANDS
a	13	01 16 01.0	0.474	N	123.607	E	28	D	5.1	4.5	1.4	78	MINAHASSA PENINSULA, SULAWESI. Mw 5.1 (HRV).
	13	01 37 20.4*	37.423	N	69.543	E	33	N	4.0		1.7	21	AFGHANISTAN-TAJIKISTAN BORD REG.
	13	02 03 47.6*	40.010	N	21.750	E	5	G			1.3	8	GREECE. MD 3.1 (ATH).
	13	03 01 41.9%	42.027	N	7.835	W	10	G			0.4	6	SPAIN. mbLg 3.1 (MDD).
	13	04 01 58.9?	52.81	N	142.76	E	33	N	4.1		1.3	8	SAKHALIN ISLAND
a	13	04 07 25.5?	15.22	S	174.50	W	33	N	4.7	5.2	1.2	45	TONGA ISLANDS. Mw 5.4 (HRV). Mo=2.4*10**17 Nm (PPT).
	13	05 14 23.2?	44.71	N	7.46	E	5	G			0.1	4	NORTHERN ITALY. ML 2.0 (GEN).
	13	05 38 08.8	54.758	N	164.843	W	122		4.3		1.0	56	UNIMAK ISLAND REGION
	13	06 20 27.7&	51.218	N	131.236	W	10	G	3.6			19	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.5 (PGC).
	13	06 44 46.1	40.111	N	21.597	E	5	G			1.4	18	GREECE. MD 3.0 (ATH). ML 2.9 (THE).
	13	07 46 24.1	11.588	S	66.288	E	10	G	4.7	4.8	1.0	36	MID-INDIAN RIDGE
	13	07 54 20.3&	51.121	N	131.129	W	10	G				40	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.5 (PGC).
	13	07 59 05.3&	51.113	N	131.151	W	10	G	4.6			187	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>.
	13	08 21 28.6&	51.109	N	131.135	W	10	G	3.9			37	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.7 (PGC).
	13	08 59 09.8?	5.78	S	146.86	E	73	*			0.9	9	EASTERN NEW GUINEA REG., P.N.G.
	13	09 13 52.4%	43.082	N	18.930	E	5	G			0.6	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	13	09 44 59.9*	37.249	N	72.937	E	42	?	4.1		0.6	14	TAJIKISTAN
	13	10 29 52.4	40.530	N	23.177	E	10	G			0.8	14	GREECE. MD 3.2 (ATH). ML 3.0 (THE).
	13	10 30 30.3*	16.634	N	97.857	W	33	N	4.4		1.2	14	OAXACA, MEXICO
	13	10 57 41.1*	38.450	N	22.032	E	10	G			1.3	5	GREECE. MD 2.8 (ATH).
	13	11 19 31.1&	51.108	N	131.099	W	10	G	4.4			108	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 4.3 (PGC).
	13	11 56 14.0?	11.09	N	60.82	W	10	G			0.0	4	WINDWARD ISLANDS. MD 2.7 (TRN).
	13	12 05 06.7	9.020	N	126.366	E	33	N	5.0		1.1	94	MINDANAO, PHILIPPINE ISLANDS
	13	12 41 42.5*	53.398	S	140.695	E	10	G	4.3		1.5	13	WEST OF MACQUARIE ISLAND
	13	13 54 10.3	19.361	N	108.343	W	10	G	4.4		1.0	54	REVILLA GIGEDO ISLANDS REGION
	13	15 15 35.6*	19.385	S	69.430	W	112	D	4.1		1.5	18	NORTHERN CHILE
	13	15 18 42.4*	21.994	S	174.219	E	116	?	4.1		1.1	19	VANUATU ISLANDS REGION

	13	15	28	00.5&	63.521	N	150.618	W	14				45	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.7 (PMR).
	13	15	40	16.1%	41.252	N	22.745	E	5	G		0.7	7	NORTHWESTERN BALKAN REGION. ML 2.0 (THE).
	13	16	19	31.5*	12.562	S	166.633	E	136	?	4.0	1.4	21	SANTA CRUZ ISLANDS
	13	16	21	04.2	44.492	N	114.859	W	5	G		0.5	15	WESTERN IDAHO. ML 3.0 (GS), 3.0 (BUT).
	13	17	18	11.4	38.100	N	22.046	E	33	N		1.3	17	GREECE. MD 3.0 (ATH). ML 2.8 (THE).
	13	18	26	38.4&	57.823	N	152.507	W	41				49	KODIAK ISLAND REGION. <AEIC>. ML 3.4 (AEIC), 3.5 (PMR).
	13	18	28	11.1%	40.056	N	21.576	E	5	G		0.8	5	GREECE. ML 2.1 (THE).
	13	18	40	36.2	8.850	N	126.722	E	33	N	4.4	0.9	26	MINDANAO, PHILIPPINE ISLANDS
	13	18	42	12.0	4.767	S	155.038	E	509		4.4	0.9	43	SOLOMON ISLANDS
	13	19	07	28.3	38.178	N	22.726	E	33	N		0.8	10	GREECE. MD 2.8 (ATH).
	13	19	15	55.5&	56.323	N	120.638	W	2	G			4	BRITISH COLUMBIA, CANADA. <PGC-P>. mbLg 2.7 (PGC). Felt (IV) in the Fort St. John area.
	13	20	36	46.5&	37.097	N	121.514	W	8		4.2		110	CENTRAL CALIFORNIA. <GM-P>. MD 4.3 (GM). ML 4.2 (GS). Felt (IV) at Morgan Hill, New Almaden and San Martin; (III) at Aptos, Crows Landing, Fremont, Gilroy, Pittsburg, Sunnyvale and Watsonville. Felt from Monterey to San Francisco.
	13	20	37	00.3%	40.032	N	21.449	E	10	G		1.3	7	GREECE. ML 2.2 (THE).
	13	21	13	42.6	6.422	S	154.780	E	62	*	4.1	0.6	27	SOLOMON ISLANDS
	13	21	31	35.2&	59.997	N	146.641	W	13				63	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).
	13	21	50	45.8?	71.46	N	2.60	W	10	G		0.5	5	JAN MAYEN ISLAND REGION
	14	00	55	17.6?	44.40	N	7.19	E	10	G		0.1	4	NORTHERN ITALY. ML 1.9 (GEN).
	14	01	26	39.4	40.171	N	21.504	E	10	G	4.3	1.4	95	GREECE. ML 4.3 (SKO), 4.1 (ATH), 4.1 (TIR), 4.1 (TTG).
	14	01	30	28.6	40.169	N	21.602	E	5	G		1.1	15	GREECE. MD 3.1 (ATH). ML 2.7 (THE).
	14	01	43	20.2?	49.94	N	18.49	E	10	G		0.4	6	CZECH AND SLOVAK REPUBLICS
	14	01	46	14.3*	44.409	N	147.896	E	33	N	4.2	0.9	23	KURIL ISLANDS
	14	04	02	51.2	42.658	N	0.923	E	10	G		1.3	34	PYRENEES. ML 3.4 (LDG). MD 3.3 (MDD), 3.2 (BTH).
	14	04	23	04.3*	12.274	N	125.383	E	33	N	4.2	0.5	11	SAMAR, PHILIPPINE ISLANDS
	14	04	24	03.6	53.841	N	86.837	E	33	N	4.9	0.9	144	SOUTHWESTERN SIBERIA, RUSSIA. Felt (V) at Prokopyevsk and (III) at Novosibirsk.
	14	04	41	21.1?	38.06	N	24.56	E	5	G		1.7	13	AEGEAN SEA. MD 3.8 (ATH).
	14	05	05	05.4	40.769	N	19.669	E	10	G		0.9	18	ALBANIA. ML 3.0 (THE), 2.7 (TTG).
	14	05	27	08.0&	57.619	N	153.186	W	50				41	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC), 2.7 (PMR).
	14	05	57	17.4*	50.469	N	18.856	E	10	G		1.6	8	POLAND. MG 3.1 (WAR).
	14	06	45	46.5?	25.32	N	110.45	W	10	G	3.9	1.2	12	GULF OF CALIFORNIA
	14	07	29	52.3&	32.807	N	115.703	W	16				8	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS).
	14	07	39	45.4	39.053	N	21.987	E	5	G		0.9	13	GREECE. ML 3.1 (THE). MD 2.9 (ATH).
	14	08	22	56.8&	37.107	N	121.520	W	7				94	CENTRAL CALIFORNIA. <GM-P>. MD 3.8 (GM). ML 3.8 (GS). Felt (IV) at Gilroy and Morgan Hill.
	14	08	31	43.2%	32.785	S	70.834	W	70	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	14	09	07	58.1*	5.700	S	153.079	E	130	*	4.2	1.2	31	NEW IRELAND REGION, P.N.G.
	14	10	59	24.0&	35.800	N	117.637	W	5				66	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.5 (GS). Felt (V) at Ridgecrest.
	14	11	23	48.0%	44.425	N	7.036	E	5	G		0.5	8	NORTHERN ITALY. ML 2.1 (GEN).
	14	11	35	02.4	39.352	N	20.484	E	10	G	3.6	1.0	22	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH). ML 3.2 (THE), 3.1 (TIR).
	14	11	40	52.9*	51.426	N	6.500	E	10	G		0.5	5	GERMANY. ML 2.4 (DBN), 1.9 (UCC).
	14	12	09	44.0*	39.392	N	143.524	E	33	N	4.3	0.9	21	OFF EAST COAST OF HONSHU, JAPAN
	14	12	15	38.7&	60.073	N	151.499	W	49				72	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PMR).
a	14	12	24	34.1	17.623	S	178.966	W	533	D	5.5	0.9	382	FIJI ISLANDS REGION. Mw 5.9 (HRV).
	14	13	54	21.5?	17.86	N	66.80	W	10	G		0.2	5	PUERTO RICO REGION. MD 2.2 (MPR).
a	14	14	04	31.4	16.779	N	98.597	W	23	G	6.4 7.2	1.2	565	NEAR COAST OF GUERRERO, MEXICO. Mw 7.4 (GS), 7.4 (HRV). Me 7.2 (GS). Ms 7.2 (BRK). Mo=1.3*10**20 Nm (PPT). Three people killed, nearly 100 injured, 500 homeless and extensive damage in Guerrero. Several people injured, 400 homeless and considerable damage in Oaxaca. Some minor damage in Puebla and at Mexico City. Felt strongly along the Pacific coast of Mexico from Michoacan to Chiapas. Depth from broadband displacement seismograms.
	14	14	32	05.7%	33.512	S	70.091	W	10	G		0.4	6	CHILE-ARGENTINA BORDER REGION
	14	14	32	23.8	44.025	N	11.017	E	10	G		1.2	31	NORTHERN ITALY. MD 3.5 (FIR). ML 3.2 (LDG), 3.1 (VIE).
	14	15	07	28.3*	16.421	N	98.716	W	33	N	4.5	0.9	17	NEAR COAST OF GUERRERO, MEXICO
	14	15	31	59.3	16.622	N	98.869	W	33	N	4.5	1.0	25	NEAR COAST OF GUERRERO, MEXICO
	14	15	32	23.4?	11.82	S	118.63	E	33	N	4.1	1.3	21	SOUTH OF SUMBAWA, INDONESIA
	14	15	39	21.3	40.139	N	29.608	E	10	G	3.9	0.8	29	TURKEY
	14	16	00	29.2	46.031	N	6.986	E	5	G		0.9	23	SWITZERLAND. ML 2.9 (LDG), 2.6 (GEN), 2.3 (STR).
	14	16	09	58.7?	16.64	N	98.42	W	33	N	4.3	1.5	15	NEAR COAST OF GUERRERO, MEXICO
	14	16	28	47.7?	15.89	N	98.91	W	33	N		1.0	6	OFF COAST OF GUERRERO, MEXICO
	14	16	38	41.8%	38.129	N	21.822	E	10	G		1.0	5	GREECE. MD 2.5 (ATH).
	14	16	59	40.9*	16.243	N	98.920	W	33	N	3.8	0.2	7	NEAR COAST OF GUERRERO, MEXICO
	14	17	35	38.8%	34.165	S	70.655	W	100	G		0.1	8	CHILE-ARGENTINA BORDER REGION. MD 1.9 (SAN).
	14	17	39	05.4	51.656	N	16.153	E	10	G		1.0	29	POLAND. ML 4.3 (VIE), 4.1 (GRF), 3.7 (MOX), 3.7 (FUR).
	14	18	55	35.0	4.408	S	126.101	E	401		4.7	1.0	54	BANDA SEA
	14	18	56	38.5%	42.348	N	18.982	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	14	19	09	13.5?	14.73	N	60.63	W	110	G		0.3	6	WINDWARD ISLANDS
	14	19	13	08.1	40.246	N	21.572	E	5	G		0.6	7	GREECE. ML 2.1 (THE).
	14	19	19	31.5	13.531	S	77.012	W	33	N	4.1	0.8	14	OFF COAST OF PERU. Felt (III) at San Vicente de Canete; (II) at Chincha Alta and Pisco.
	14	19	24	59.9%	47.526	N	0.645	W	5	G		0.4	5	FRANCE. ML 2.0 (LDG).
	14	19	33	28.0&	37.594	N	119.416	W	1				8	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
	14	19	48	40.8?	15.68	N	99.10	W	33	N	3.8	1.5	8	OFF COAST OF GUERRERO, MEXICO
	14	20	00	44.7*	21.375	S	176.391	W	233	?	4.3	1.6	16	FIJI ISLANDS REGION
	14	20	52	10.7*	16.350	N	98.677	W	33	N	4.5 4.0	1.2	44	NEAR COAST OF GUERRERO, MEXICO
	14	20	58	48.3	51.576	N	6.599	E	10	G		1.4	20	GERMANY. ML 3.1 (LDG), 2.6 (DBN). MD 2.4 (STR).
	14	21	08	35.9*	16.560	S	174.570	W	33	N	4.9 4.8	1.3	51	TONGA ISLANDS
	14	21	17	23.2?	16.36	N	98.55	W	33	N		0.9	4	NEAR COAST OF GUERRERO, MEXICO
	14	21	57	15.1?	44.22	N	16.90	E	10	G		0.7	7	NORTHWESTERN BALKAN REGION. ML 2.1 (LJU).
	14	21	58	23.0?	15.85	N	99.40	W	33	N	4.1	1.4	9	OFF COAST OF GUERRERO, MEXICO
	14	23	13	18.7*	38.433	N	22.022	E	10	G		0.5	5	GREECE. MD 2.5 (ATH).
	15	00	31	33.2&	36.870	N	98.690	W	5	G			17	OKLAHOMA. <TUL-P>. mbLg 3.8 (TUL), 4.1 (GS). Felt (V)

														at Alva and Burlington; (IV) at Amorita, Cherokee, Dacoma, Jet and Waynoka. Felt (V) at Hardtner and Kiowa; (IV) at Attica, Harper, Medicine Lodge and Sharon, Kansas. Felt in Alfalfa, Garfield, Grant, Woods and Woodward Counties, Oklahoma and in Barber, Comanche, Harper, Kingman, Sedgwick and Sumner Counties, Kansas.
	15	01	13	39.4	12.711	N	125.129	E	33	D	4.9	0.9	59	SAMAR, PHILIPPINE ISLANDS
	15	01	52	04.5?	5.81	S	147.71	E	33	N	4.2	1.2	10	EASTERN NEW GUINEA REG., P.N.G. ML 4.3 (PMG).
	15	02	47	44.1	9.659	S	115.188	E	33	N	4.0	1.3	17	SOUTH OF BALI, INDONESIA
	15	03	13	32.2&	59.992	N	146.678	W	13				66	GULF OF ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).
	15	03	13	36.8&	63.877	N	148.714	W	111				47	CENTRAL ALASKA. <AEIC>.
	15	04	03	19.4*	5.787	S	148.833	E	142	*	4.5	1.1	25	NEW BRITAIN REGION, P.N.G.
a	15	04	50	20.4*	50.175	S	114.829	W	10	G	4.4	1.2	28	SOUTHERN EAST PACIFIC RISE. Mw 5.4 (HRV).
	15	05	10	24.9?	44.34	N	7.45	E	10	G		0.2	4	NORTHERN ITALY. ML 1.7 (GEN).
	15	08	08	34.8%	40.434	N	21.822	E	10	G		0.8	7	GREECE. ML 2.0 (THE).
	15	08	29	26.8	50.768	N	143.796	E	15	D	4.9 4.5	0.9	124	SAKHALIN ISLAND. Felt (IV) at Tymovskoye; (III) at Nogliki and Pogranichnoye.
	15	08	30	33.6?	39.53	N	29.31	E	10	G		1.2	4	TURKEY. MD 2.7 (ISK).
	15	08	49	53.5%	40.185	N	27.259	E	10	G		1.0	5	TURKEY. MD 2.7 (ISK).
	15	10	23	16.4?	32.04	S	71.53	W	10	G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	15	10	34	22.0?	35.09	N	24.21	E	33	N		1.1	5	CRETE. MD 3.6 (ATH).
	15	11	22	42.1*	42.878	N	2.027	E	5	G		0.3	5	PYRENEES. ML 2.7 (LDG).
	15	11	45	30.2&	40.743	N	124.733	W	2				29	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM). ML 3.1 (BRK), 2.8 (GS).
	15	13	15	32.3?	31.73	S	179.65	E	462	?	4.2	1.3	13	KERMADEC ISLANDS REGION
	15	14	23	55.0&	59.945	N	152.676	W	88				48	SOUTHERN ALASKA. <AEIC>.
	15	15	16	25.6%	39.702	N	29.537	E	10	G		0.8	5	TURKEY. MD 2.7 (ISK).
	15	15	37	59.0	44.442	N	7.306	E	10	G		0.3	21	NORTHERN ITALY. ML 2.7 (GEN), 2.4 (LDG).
	15	15	54	46.4*	18.504	N	66.336	W	80	G		0.2	10	PUERTO RICO REGION. MD 3.4 (MPR).
	15	15	56	39.8*	27.745	S	71.356	W	29	D	4.8	1.5	49	NEAR COAST OF NORTHERN CHILE
	15	15	57	32.7*	17.236	S	168.691	E	33	N	4.5 4.6	1.5	22	VANUATU ISLANDS
	15	16	04	52.7?	44.85	N	149.76	E	33	N	4.9	1.6	15	KURIL ISLANDS
	15	16	11	21.3?	17.09	S	169.44	E	33	N	4.5 4.7	1.3	12	VANUATU ISLANDS
	15	17	06	27.3	14.750	N	94.282	W	33	N	4.7 4.4	1.1	66	OFF COAST OF CHIAPAS, MEXICO
	15	18	24	23.6%	46.335	N	1.464	E	10	G		1.1	20	FRANCE. ML 3.2 (LDG).
	15	18	25	39.3%	46.332	N	1.436	E	10	G		0.7	10	FRANCE. ML 2.3 (LDG).
	15	19	19	55.9*	15.865	N	147.545	E	33	N	4.2	1.2	13	MARIANA ISLANDS REGION
	15	19	20	43.5*	54.213	S	136.662	W	10	G	4.7 4.6	0.9	22	PACIFIC-ANTARCTIC RIDGE
	15	19	56	31.0?	41.89	N	19.99	E	10	G		0.9	9	ALBANIA. ML 2.2 (TTG).
	15	20	08	09.8	12.106	N	125.598	E	33	N	4.6	0.6	21	SAMAR, PHILIPPINE ISLANDS
	15	20	40	14.6*	12.133	N	125.662	E	33	N	4.4	0.9	23	SAMAR, PHILIPPINE ISLANDS
a	15	20	53	06.7	51.233	N	179.206	E	33	N	5.2 4.6	0.9	211	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.2 (HRV). ML 5.4 (PMR).
	15	21	02	11.4?	35.18	S	70.59	W	110	G		0.4	9	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	15	21	40	50.3*	15.210	N	147.642	E	31	D	4.4	0.8	25	MARIANA ISLANDS REGION
	15	22	41	12.7%	33.271	S	71.092	W	60	G		0.2	6	NEAR COAST OF CENTRAL CHILE
	15	22	44	04.7?	34.01	S	70.06	W	10	G		0.7	6	CHILE-ARGENTINA BORDER REGION
a	15	23	52	03.3	43.064	N	143.797	E	106	D	5.0	1.0	229	HOKKAIDO, JAPAN REGION. Mw 5.2 (HRV). mb 4.8 (BRK).
	16	00	17	30.1?	42.93	N	0.08	W	5	G		1.5	4	PYRENEES. MD 2.6 (BTH). ML 2.1 (LDG).
	16	00	49	32.5*	8.593	N	103.770	W	10	G	4.8	0.8	22	OFF COAST OF MEXICO
a	16	01	03	36.9*	6.323	S	155.207	E	151	G	5.9	1.1	321	SOLOMON ISLANDS. Mw 6.0 (GS), 6.1 (HRV). Me 5.4 (GS). mb 5.6 (BRK). Mo=3.6*10**18 Nm (PPT). Two events about 2.3 seconds apart. Depth from broadband displacement seismograms, based on first event.
	16	01	49	05.3?	37.20	N	22.29	E	5	G		1.7	4	SOUTHERN GREECE. MD 3.0 (ATH).
	16	02	00	58.3	44.542	N	7.434	E	10	G		0.8	21	NORTHERN ITALY. ML 2.7 (GEN), 2.4 (LDG).
	16	02	09	34.5*	37.991	N	27.416	E	10	G		1.7	9	TURKEY. MD 3.4 (ATH), 3.3 (ISK).
	16	02	25	32.9?	45.80	N	8.89	E	10	G		0.9	13	NORTHERN ITALY. ML 2.1 (LDG).
	16	03	20	06.9	16.653	N	98.296	W	31	D	5.1 4.7	1.1	134	NEAR COAST OF GUERRERO, MEXICO. Felt in the Mexico City area.
	16	03	40	50.5*	31.127	S	178.872	W	130	*	5.2	1.2	97	KERMADEC ISLANDS REGION
	16	04	24	27.0?	16.71	N	98.51	W	33	N		0.4	5	NEAR COAST OF GUERRERO, MEXICO
	16	05	21	04.8	43.626	N	147.256	E	60	D	4.9	0.7	92	KURIL ISLANDS
	16	06	57	13.9	38.332	N	21.851	E	10	G		1.1	8	GREECE. MD 2.9 (ATH). ML 2.8 (THE).
	16	07	15	01.6	57.690	N	142.907	W	10	G		0.9	35	GULF OF ALASKA. ML 3.0 (AEIC).
	16	07	41	49.9?	35.08	S	71.18	W	90	G		0.2	10	CENTRAL CHILE. MD 3.6 (SAN).
	16	07	51	26.5*	47.138	N	6.315	E	5	G		1.1	14	FRANCE. ML 2.3 (LDG), 1.8 (STR).
	16	07	53	20.5&	33.177	N	115.654	W	5				31	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 3.1 (GS).
	16	07	55	01.9	43.148	N	17.615	E	10	G	4.5	1.1	81	NORTHWESTERN BALKAN REGION. MD 4.3 (TRI), 4.0 (TTG). ML 4.0 (ZAG), 3.8 (ROM). Felt strongly at Citluk and Ljubuski.
	16	08	00	12.7	57.708	N	143.019	W	10	G		0.6	26	GULF OF ALASKA. ML 2.8 (AEIC).
	16	08	44	46.9?	34.33	S	70.64	W	100	G		0.2	6	CHILE-ARGENTINA BORDER REGION
	16	09	20	26.9?	39.72	N	29.43	E	10	G		0.8	5	TURKEY. MD 2.7 (ISK).
	16	09	54	15.5&	63.112	N	150.517	W	115				60	CENTRAL ALASKA. <AEIC>.
	16	10	39	52.3	43.834	N	7.401	E	5	G		0.5	17	NEAR SOUTH COAST OF FRANCE. ML 2.3 (GEN), 1.7 (LDG).
	16	11	39	59.8	40.046	N	21.770	E	10	G		0.8	11	GREECE. ML 2.7 (THE).
	16	11	41	08.0%	33.915	S	70.818	W	80	G		0.7	9	CHILE-ARGENTINA BORDER REGION. MD 1.9 (SAN).
	16	11	43	40.5&	61.526	N	149.979	W	36				92	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.5 (PMR). Felt (III) at Palmer.
	16	14	24	54.4?	38.40	N	21.99	E	10	G		0.2	4	GREECE. MD 2.5 (ATH).
	16	15	13	34.6*	50.352	N	18.835	E	10	G		0.8	5	POLAND. MG 2.9 (WAR).
	16	16	01	25.2%	33.560	S	70.419	W	100	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
	16	16	17	55.1?	39.73	N	28.05	E	10	G		0.7	4	TURKEY. MD 2.9 (ISK).
	16	17	16	00.9?	37.93	N	29.38	E	10	G		0.6	4	TURKEY. MD 3.1 (ISK).
	16	17	17	34.2&	59.433	N	152.889	W	83				50	SOUTHERN ALASKA. <AEIC>.
	16	17	18	12.1%	18.182	N	66.759	W	33	N		0.1	7	PUERTO RICO REGION. MD 3.1 (MPR).
	16	18	03	40.2%	39.449	N	23.896	E	10	G		0.7	7	AEGEAN SEA. ML 2.8 (THE).
	16	18	16	34.1*	67.629	N	160.960	W	10	G		1.4	7	NORTHERN ALASKA. ML 3.8 (PMR).
	16	18	49	03.0	41.916	N	22.126	E	10	G		0.5	11	NORTHWESTERN BALKAN REGION. ML 2.7 (THE).
	16	18	56	37.0	52.984	N	142.579	E	33	N	4.7 4.0	0.7	95	SAKHALIN ISLAND. Felt (IV) at Okha and (III) at Nikolayevsk-na-Amure.

	16	19	04	55.5?	33.32	N	140.86	E	33	N	4.3	1.6	8	SOUTH OF HONSHU, JAPAN
	16	19	26	30.1&	31.991	N	116.200	W	16				23	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 2.9 (ECX). ML 2.7 (PAS), 2.7 (GS).
	16	19	27	33.8*	31.411	S	67.718	W	33	N	4.5	1.4	31	SAN JUAN PROVINCE, ARGENTINA
	16	20	09	54.7*	43.132	N	17.875	E	10	G		1.3	11	NORTHWESTERN BALKAN REGION. MD 2.8 (TTG).
	16	20	23	51.7%	36.084	N	31.404	E	10	G		0.2	5	TURKEY. MD 3.4 (ISK).
	16	20	44	18.2&	71.533	N	134.806	W	35	G			7	BEAUFORT SEA. <PGC-P>. ML 4.2 (PGC).
	16	22	19	03.3	16.784	N	98.250	W	37	D	4.9 4.3	0.8	91	NEAR COAST OF GUERRERO, MEXICO
	16	22	21	08.4?	10.26	N	60.47	W	70	G		0.7	7	TRINIDAD. MD 3.5 (TRN).
a	16	22	49	14.5	4.044	S	104.034	W	10	G	5.0 5.1	1.0	93	CENTRAL EAST PACIFIC RISE. Mw 5.6 (HRV). Ms 5.3 (BRK).
	17	00	37	14.1?	38.02	N	21.30	E	10	G		1.0	4	GREECE. MD 2.9 (ATH).
	17	00	43	12.1*	44.445	N	11.047	E	10	G		0.9	12	NORTHERN ITALY. ML 2.5 (LDG).
	17	01	34	22.0&	32.493	N	115.453	W	12				26	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.1 (ECX). ML 2.8 (PAS), 2.7 (GS).
	17	01	40	30.0*	12.656	N	125.170	E	33	N	4.7	0.7	24	SAMAR, PHILIPPINE ISLANDS
	17	01	45	22.3*	38.357	N	21.746	E	10	G		1.4	8	GREECE. MD 2.9 (ATH).
	17	01	53	59.7	40.209	N	142.445	E	45	D	4.9 4.2	1.1	100	NEAR EAST COAST OF HONSHU, JAPAN
	17	02	48	45.9&	32.496	N	115.459	W	13				26	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.2 (ECX). ML 3.2 (PAS), 3.1 (GS).
	17	03	40	28.8*	52.435	N	170.690	W	33	N	4.7	1.2	32	FOX ISLANDS, ALEUTIAN ISLANDS
	17	03	56	26.5*	38.048	N	20.744	E	10	G		1.2	9	GREECE. MD 3.1 (ATH). ML 3.0 (THE).
	17	04	12	30.7%	37.518	N	3.840	W	10	G		0.4	10	SPAIN. mbLg 2.3 (MDD).
	17	05	05	21.0&	36.479	N	121.045	W	3				31	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 2.7 (GS).
	17	05	29	15.1?	34.90	S	71.11	W	100	G		0.1	9	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
	17	06	20	50.1	16.568	N	98.798	W	33	N	4.3	0.9	44	NEAR COAST OF GUERRERO, MEXICO
	17	06	29	43.7?	38.44	N	21.72	E	10	G		1.5	4	GREECE. MD 2.6 (ATH).
	17	06	39	31.3	16.438	N	98.819	W	33	N	4.8	0.9	59	NEAR COAST OF GUERRERO, MEXICO
	17	07	14	35.1&	37.500	N	118.829	W	3				59	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.3 (BRK).
	17	07	14	53.0&	37.445	N	118.855	W	5	G			5	CALIFORNIA-NEVADA BORDER REGION. <BRK>. MD 3.7 (GM). ML 3.6 (GS), 3.4 (BRK).
	17	07	20	18.5*	51.401	N	16.235	E	10	G		0.8	8	POLAND
	17	07	22	12.6&	37.476	N	118.817	W	4				37	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK), 3.0 (GS).
a	17	07	25	26.9	35.561	S	74.167	W	8	G	5.9	0.9	258	OFF COAST OF CENTRAL CHILE. Mw 5.5 (GS), 5.6 (HRV). Me 5.6 (GS). MD 5.5 (SAN). Mo=6.6*10**17 Nm (PPT). Depth from broadband displacement seismograms.
	17	07	26	09.1	39.649	N	20.569	E	10	G		1.5	11	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH). ML 2.9 (TIR).
	17	07	33	11.1&	37.469	N	118.819	W	5				36	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 3.0 (BRK), 2.8 (GS).
	17	07	33	47.7	37.513	N	118.817	W	5	G		0.7	18	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (GS).
	17	07	42	02.7&	37.471	N	118.818	W	5				33	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK), 3.0 (GS).
	17	08	16	27.3&	37.489	N	118.819	W	1				37	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.8 (GS).
	17	08	21	17.8	37.140	N	28.115	E	10	G		1.2	13	TURKEY. MD 3.8 (ATH), 3.7 (ISK).
	17	09	25	28.6&	37.474	N	118.817	W	6				39	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 3.1 (BRK), 2.9 (GS).
	17	09	28	49.6&	37.467	N	118.814	W	1				30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM). ML 2.7 (GS).
	17	09	33	13.7	40.059	N	21.631	E	10	G		1.3	14	GREECE. ML 2.8 (THE).
	17	09	36	42.9%	36.795	N	2.847	W	5	G		1.4	7	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
	17	10	01	01.1	31.709	S	72.055	W	33	N		0.8	18	OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN).
	17	10	03	22.2	31.758	S	72.134	W	33	N	4.2	1.0	29	OFF COAST OF CENTRAL CHILE. MD 4.8 (SAN).
	17	11	08	44.0%	45.921	N	3.117	E	10	G		0.2	11	FRANCE. ML 1.6 (LDG).
	17	11	33	46.2&	37.527	N	118.810	W	2				43	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (GS), 3.0 (BRK).
	17	11	35	41.5&	37.518	N	118.810	W	2				19	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM). ML 2.5 (GS).
	17	11	36	08.3&	37.534	N	118.823	W	6				13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM). ML 2.9 (GS).
	17	11	36	59.1?	16.94	N	98.22	W	33	N	4.1	0.8	14	NEAR COAST OF GUERRERO, MEXICO
	17	12	35	29.2?	31.54	S	67.88	W	5	G		1.2	15	SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN).
	17	13	30	37.1*	51.562	N	16.215	E	10	G		0.7	7	POLAND. ML 2.6 (MOX).
	17	13	46	54.5&	59.871	N	153.167	W	124				55	SOUTHERN ALASKA. <AEIC>.
	17	14	42	22.1%	36.964	N	4.061	W	10	G		0.2	5	STRAIT OF GIBRALTAR. mbLg 2.3 (MDD).
	17	15	19	37.3?	32.41	S	71.58	W	50	G		0.3	8	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	17	16	29	24.9	46.808	N	7.111	E	10	G		1.0	73	SWITZERLAND. ML 4.1 (GRF), 4.0 (LDG), 3.8 (FUR), 3.7 (VIE), 3.7 (MOX). MD 3.4 (STR).
	17	16	47	03.9*	38.148	N	20.706	E	10	G		1.5	15	GREECE. MD 3.1 (ATH). ML 3.1 (THE).
	17	16	49	48.1	61.789	N	3.827	E	10	G		1.3	18	NORWEGIAN SEA. MD 3.1 (BER). ML 2.7 (NAO).
a	17	17	09	20.6	17.093	S	66.707	E	8	G	5.6 6.0	0.9	344	MAURITIUS-REUNION REGION. Mw 6.4 (GS), 6.5 (HRV). Me 6.6 (GS). Ms 6.6 (BRK). Mo=1.0*10**19 Nm (PPT). Depth from broadband displacement seismograms.
	17	17	21	55.7%	42.535	N	19.789	E	5	G		0.4	9	NORTHWESTERN BALKAN REGION. MD 2.2 (TTG).
	17	19	23	21.4*	21.161	S	170.160	E	33	N	5.0 5.0	1.4	39	LOYALTY ISLANDS REGION
	17	19	30	16.1&	32.463	N	115.180	W	16				10	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.5 (ECX). ML 2.9 (PAS).
	17	20	10	56.2*	36.350	N	27.710	E	33	N		1.1	5	DODECANESE ISLANDS. MD 3.3 (ATH).
	17	20	55	37.6	40.243	N	23.485	E	10	G		0.6	19	GREECE. MD 3.0 (ATH). ML 3.0 (THE).
	17	20	56	33.1&	60.123	N	153.282	W	145				46	SOUTHERN ALASKA. <AEIC>.
	17	21	10	16.0?	5.51	N	126.32	E	33	N	4.1	0.6	12	MINDANAO, PHILIPPINE ISLANDS
	17	21	24	30.4?	33.93	S	71.96	W	5	G		0.6	9	NEAR COAST OF CENTRAL CHILE
	17	22	01	39.6&	61.357	N	148.895	W	42				85	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.4 (PMR). Felt (III) at Palmer.
	17	22	01	50.5?	37.75	N	23.38	E	164	?		0.6	5	SOUTHERN GREECE
	17	22	55	10.2*	17.327	S	66.461	E	10	G	4.8	1.2	18	MAURITIUS-REUNION REGION
	17	23	08	38.1	39.648	N	20.548	E	10	G		0.8	13	GREECE-ALBANIA BORDER REGION. ML 3.2 (THE). MD 3.1 (ATH).
	17	23	14	40.0	17.505	S	65.959	E	10	G	5.0 4.8	0.8	66	MAURITIUS-REUNION REGION
	17	23	36	42.7*	32.661	S	71.606	W	5	G		0.6	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	17	23	53	10.7?	16.14	S	178.16	E	28	D	4.3 4.7	1.1	13	FIJI ISLANDS
	18	00	13	30.8	13.578	N	120.202	E	24	D	4.9 4.2	1.0	41	MINDORO, PHILIPPINE ISLANDS

	18	00	50	45.3*	32.027	S	71.040	W	33	N		0.6	12	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	18	01	51	50.2?	34.11	S	70.44	W	10	G		0.7	4	CHILE-ARGENTINA BORDER REGION
	18	02	48	14.8&	40.582	N	23.425	E	10	G		0.4	7	GREECE. ML 2.1 (THE).
	18	02	50	02.2*	40.187	N	24.425	E	10	G		1.0	8	AEGEAN SEA. MD 3.0 (ATH). ML 2.8 (THE).
	18	03	32	29.1&	33.779	S	70.930	W	70	G		0.3	6	CHILE-ARGENTINA BORDER REGION
	18	04	54	38.6&	40.524	N	22.305	E	10	G		0.5	6	GREECE. ML 1.8 (THE).
	18	05	14	40.2&	36.918	N	4.048	W	10	G		0.9	10	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
	18	06	05	15.2?	81.80	N	125.79	E	10	G	4.4 4.0	1.2	9	EAST OF SEVERNAYA ZEMLYA, RUSSIA
	18	06	33	07.7?	40.09	N	29.77	E	10	G		0.4	6	TURKEY. MD 2.8 (ISK).
a	18	06	56	31.2	6.925	S	128.968	E	181	D	5.5	1.2	164	BANDA SEA. Mw 6.0 (HRV). Mo=1.4*10**18 Nm (PPT).
	18	08	26	10.0	47.869	N	18.831	E	10	G		1.1	22	HUNGARY. ML 3.7 (BRA), 3.7 (VIE). Felt at Levice, Sahy, Sturovo and Zeliezovce, Slovakia.
	18	08	36	55.1&	59.354	N	152.954	W	78				66	SOUTHERN ALASKA. <AEIC>.
	18	08	39	46.6&	63.506	N	148.147	W	17				31	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	18	10	22	15.7&	39.511	N	27.792	E	10	G		0.5	11	TURKEY. MD 3.3 (ISK).
	18	10	30	25.5?	39.42	N	27.56	E	10	G		0.1	4	TURKEY. MD 3.0 (ISK).
	18	11	51	12.4&	61.653	N	149.456	W	35				37	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	18	12	37	26.6*	15.274	S	167.460	E	198	*	4.5	1.4	33	VANUATU ISLANDS
	18	13	18	34.7?	50.11	N	18.84	E	10	G		1.1	6	POLAND
	18	14	07	47.4?	38.29	N	21.08	E	10	G		0.6	4	GREECE. MD 2.7 (ATH).
	18	14	15	40.6&	34.128	S	70.430	W	10	G		0.5	5	CHILE-ARGENTINA BORDER REGION
	18	14	29	00.0	35.523	N	29.247	E	73		4.5	1.1	120	EASTERN MEDITERRANEAN SEA. MD 4.3 (ATH), 4.2 (HLW), 3.9 (ISK).
	18	14	45	57.2?	38.24	N	21.14	E	5	G		1.7	5	GREECE. MD 2.7 (ATH).
	18	15	16	27.3&	40.223	N	29.478	E	10	G		0.4	5	TURKEY. MD 2.7 (ISK).
	18	16	41	13.7&	40.568	N	23.723	E	10	G		0.7	6	GREECE. ML 2.3 (THE).
	18	17	10	13.6&	15.226	N	61.200	W	33	N		0.5	5	LEEWARD ISLANDS. MG 2.6 (FDF).
a	18	17	13	20.3	8.887	S	123.787	E	33	N	5.6	1.0	195	FLORES REGION, INDONESIA. Mw 5.7 (HRV). Felt (III) at Kupang, Timor.
	18	17	14	45.6&	44.383	N	7.313	E	10	G		0.3	11	NORTHERN ITALY. ML 2.1 (LDG).
	18	17	19	21.4?	35.94	S	71.33	W	110	G		0.8	16	CENTRAL CHILE. MD 4.1 (SAN).
	18	17	39	09.1&	63.617	N	149.708	W	123		4.5		137	CENTRAL ALASKA. <AEIC>.
	18	18	28	00.4?	34.54	S	70.65	W	100	G	.	0.3	11	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
	18	18	33	25.9&	31.816	N	115.798	W	12				26	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.4 (ECX). ML 2.9 (GS).
	18	19	13	39.7&	33.133	S	70.271	W	10	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
a	18	20	22	13.9	20.642	S	178.544	W	617	D	5.1	0.9	261	FIJI ISLANDS REGION. Mw 5.6 (HRV). mb 5.0 (BRK).
	18	20	32	07.7&	32.706	S	71.585	W	10	G		0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	18	20	51	02.6&	16.266	N	98.521	W	33	N		0.7	6	NEAR COAST OF GUERRERO, MEXICO
	18	21	42	09.3&	58.857	N	152.313	W	58				44	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
	18	22	19	53.9*	32.314	N	47.051	E	33	N	4.3	1.2	13	IRAN-IRAQ BORDER REGION
	18	23	46	08.6&	46.091	N	0.622	W	10	G		1.0	10	FRANCE. ML 2.4 (LDG).
	19	00	29	14.7&	33.710	S	70.382	W	10	G		1.2	8	CHILE-ARGENTINA BORDER REGION
	19	00	47	03.7	5.867	S	128.367	E	361		4.9	0.8	80	BANDA SEA
	19	00	52	49.0?	46.43	N	7.29	E	10	G		1.4	7	SWITZERLAND. ML 2.1 (LDG), 2.0 (STR).
	19	01	02	35.0&	59.835	N	153.663	W	147				46	SOUTHERN ALASKA. <AEIC>.
	19	01	15	51.3*	51.517	N	7.057	E	10	G		1.3	18	GERMANY. ML 3.0 (LDG), 2.6 (DBN), 2.3 (UCC).
	19	01	26	20.2	33.350	N	93.603	E	20	D	4.9 4.8	1.4	83	QINGHAI, CHINA
	19	01	48	11.5	34.672	N	26.216	E	33	N	4.5	1.4	142	CRETE. ML 4.5 (ATH).
	19	02	09	32.7	35.773	N	0.213	E	10	G	3.9	1.3	49	NORTHERN ALGERIA. MD 3.8 (MDD), 3.5 (SFS).
	19	02	30	22.5	40.195	N	21.749	E	10	G		0.7	8	GREECE. MD 2.9 (ATH). ML 2.3 (THE).
	19	02	41	45.4	43.648	N	147.566	E	33	N	4.6	0.9	31	KURIL ISLANDS
	19	02	48	54.7	42.688	N	1.781	E	10	G		0.7	11	PYRENEES. ML 2.4 (LDG).
a	19	03	31	53.9	21.194	S	68.672	W	112	G	5.7	1.0	252	CHILE-BOLIVIA BORDER REGION. Mw 5.6 (GS), 5.6 (HRV). Me 5.4 (GS). mb 5.8 (BRK). Mo=5.8*10**17 Nm (PPT). Felt (II) at Arequipa, Peru. Depth from broadband displacement seismograms.
	19	03	41	45.9	18.793	N	62.534	W	10	G	4.7	0.6	34	LEEWARD ISLANDS. ML 4.3 (FDF).
	19	03	54	18.4	40.251	N	29.194	E	5	G		0.6	14	TURKEY. MD 3.6 (ISK).
	19	04	03	44.9&	40.198	N	21.734	E	5	G		0.9	6	GREECE. ML 2.2 (THE).
	19	04	13	54.8&	63.511	N	151.111	W	14				40	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
	19	04	25	32.4*	4.870	S	145.553	E	78	*	4.1	1.6	12	NEAR N COAST OF NEW GUINEA, PNG.
	19	04	34	49.0?	51.48	N	16.27	E	10	G		0.5	5	POLAND
	19	04	39	49.5&	44.377	N	6.076	E	10	G		0.6	6	FRANCE. ML 2.0 (LDG).
	19	04	46	29.6?	1.06	S	147.90	E	33	N	4.9	1.3	8	ADMIRALTY ISLANDS REGION, P.N.G.
	19	05	16	10.7?	37.62	N	26.87	E	10	G		0.3	5	DODECANESE ISLANDS. MD 3.3 (ISK).
	19	05	23	54.7&	63.509	N	151.109	W	14				53	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.3 (PMR).
	19	05	24	13.2?	41.08	N	23.30	E	5	G		0.4	4	GREECE-BULGARIA BORDER REGION. ML 1.8 (THE).
	19	05	51	30.6	44.309	N	7.356	E	10	G		0.7	21	NORTHERN ITALY. ML 2.6 (LDG), 2.3 (STR).
	19	06	49	28.1*	57.866	N	153.697	W	33	N		1.4	8	KODIAK ISLAND REGION. ML 3.5 (PMR).
	19	07	09	57.6&	40.222	N	29.262	E	10	G		0.4	5	TURKEY. MD 2.6 (ISK).
	19	07	25	36.8*	21.591	S	178.822	W	500	G	4.3	1.1	33	FIJI ISLANDS REGION
	19	08	25	53.3*	33.330	S	68.341	W	5	G		0.5	11	MENDOZA PROVINCE, ARGENTINA. MD 4.3 (SAN). Felt (III) at Mendoza.
	19	08	45	47.2&	40.806	N	22.906	E	5	G		0.4	5	GREECE. ML 1.9 (THE).
	19	09	40	43.6?	38.82	N	0.60	W	10	G		0.4	4	SPAIN. mbLg 2.7 (MDD).
	19	09	48	31.9&	63.465	N	151.170	W	5				33	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	19	10	37	36.4?	43.74	N	147.79	E	33	N	4.0	0.5	7	KURIL ISLANDS
	19	11	15	10.1&	42.822	N	18.145	E	10	G		0.5	10	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	19	12	34	59.3&	58.586	N	153.507	W	61				28	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
	19	13	26	01.2*	22.917	S	169.831	E	33	N	4.4 4.6	1.2	17	LOYALTY ISLANDS REGION
	19	15	07	54.3&	41.075	N	23.292	E	5	G		0.4	6	GREECE-BULGARIA BORDER REGION. ML 2.1 (THE).
a	19	15	40	08.5	13.874	N	90.658	W	64	D	5.1	1.3	141	NEAR COAST OF GUATEMALA. Mw 5.3 (HRV). MD 4.9 (SSS). Felt at Guatemala City. Also felt (III) at San Salvador, El Salvador.
	19	16	25	50.2?	39.68	N	118.44	E	10	G		0.6	4	NORTHEASTERN CHINA. ML 4.0 (BJI).
	19	16	40	47.6?	46.82	N	8.06	E	10	G		0.5	6	SWITZERLAND. ML 2.3 (LDG), 1.8 (STR).
	19	16	54	56.5?	34.26	S	70.41	W	110	G		0.1	7	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
	19	17	49	56.1&	59.269	N	152.213	W	72				30	SOUTHERN ALASKA. <AEIC>.
	19	18	08	35.3	46.997	N	8.543	E	10	G		1.1	13	SWITZERLAND. ML 2.6 (LDG).
	19	18	37	37.0	40.820	N	22.225	E	10	G		0.8	11	GREECE. ML 2.2 (THE).
	19	19	49	25.5*	42.648	N	1.748	E	10	G		0.3	5	PYRENEES. ML 2.1 (LDG), 1.5 (STR).
	19	19	57	52.3&	60.967	N	150.661	W	50				73	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (AEIC), 3.6

														(PMR). Felt (II) at Anchorage.
	19	20	02	50.7%	33.611	S	70.591	W	80	G			0.2	8 CHILE-ARGENTINA BORDER REGION
	19	20	20	41.3*	21.011	S	168.881	E	33	N	4.6		1.3	24 LOYALTY ISLANDS
	19	20	40	18.0?	32.99	S	71.97	W	10	G			0.4	10 NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
a	19	21	05	51.3	41.138	N	142.199	E	58	D	5.4		0.9	284 HOKKAIDO, JAPAN REGION. Mw 5.3 (HRV). Felt (III JMA) at Hachinohe and Mutsu, Honshu. Also felt in Iwate Prefecture, Honshu and in western Hokkaido.
	19	21	22	45.1?	11.26	N	61.27	W	33	N			0.4	4 WINDWARD ISLANDS. MD 2.5 (TRN).
	19	21	51	12.6%	46.830	N	6.912	E	10	G			0.3	5 SWITZERLAND. ML 2.1 (LDG).
	19	22	28	15.3	33.410	S	71.281	W	50	G			0.6	11 NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	19	22	37	20.2?	40.77	N	28.22	E	5	G			1.3	4 TURKEY. MD 2.8 (ISK).
	19	22	37	40.2&	39.837	N	120.730	W	7					26 NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
a	19	22	52	23.1	39.698	S	174.168	E	217	D	5.6		1.2	83 NORTH ISLAND, NEW ZEALAND. Mw 5.8 (GS), 5.8 (HRV). Mo=9.3*10**17 Nm (PPT). Felt from Hastings on the North Island to Dunedin on the South Island.
	19	23	27	39.1%	42.484	N	19.741	E	5	G			0.4	5 NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
	20	00	29	13.8*	24.959	S	179.859	E	500	G	4.4		1.4	35 SOUTH OF FIJI ISLANDS
	20	00	38	27.2	40.189	N	21.752	E	10	G			0.7	8 GREECE. MD 2.8 (ATH). ML 2.2 (THE).
	20	01	13	22.7*	16.320	N	98.623	W	33	N	4.7	4.3	0.9	90 NEAR COAST OF GUERRERO, MEXICO
	20	01	19	08.4?	3.31	N	96.76	E	115	?	4.0		1.2	14 NORTHERN SUMATERA, INDONESIA
	20	01	23	12.7?	16.09	N	98.94	W	33	N			1.7	4 NEAR COAST OF GUERRERO, MEXICO
	20	02	08	06.5	36.435	N	70.111	E	222	*	4.1		1.2	36 HINDU KUSH REGION, AFGHANISTAN
	20	02	46	24.7?	32.85	S	71.67	W	33	N			1.1	11 NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	20	03	05	14.4	39.583	N	20.532	E	10	G			1.4	13 GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH). ML 2.9 (TIR), 2.7 (THE).
a	20	03	14	33.5	34.918	N	118.096	E	18	D	4.8	4.7	1.1	104 SOUTHEASTERN CHINA. Mw 5.1 (HRV). ML 5.2 (BJI).
	20	03	40	14.7?	35.85	N	4.55	W	33	N			1.5	10 STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
	20	04	46	42.0*	42.673	N	20.039	E	5	G			0.4	9 NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	20	05	34	45.2	36.442	N	71.349	E	150	*	4.1		0.7	23 AFGHANISTAN-TAJIKISTAN BORD REG.
	20	06	05	18.0%	37.746	N	3.557	W	10	G			0.1	5 SPAIN. mbLg 2.6 (MDD).
	20	06	24	06.1?	40.20	N	21.76	E	10	G			1.1	4 GREECE. ML 1.9 (THE).
	20	06	49	34.3*	21.260	S	174.318	W	33	N	5.1	5.1	1.1	97 TONGA ISLANDS. Ms 5.0 (BRK).
	20	06	53	43.1	71.725	N	1.728	W	10	G	4.8	4.3	1.3	90 JAN MAYEN ISLAND REGION
	20	07	17	49.7%	33.455	S	71.130	W	60	G			0.3	7 NEAR COAST OF CENTRAL CHILE
	20	08	23	19.3	43.273	N	8.179	E	10	G			1.3	63 CORSICA. ML 3.5 (LDG), 3.0 (VIE). MD 3.4 (STR).
	20	08	39	56.4%	38.561	N	30.158	E	10	G			0.9	18 TURKEY. MD 3.5 (ISK).
	20	08	47	47.3	40.156	N	21.542	E	5	G			0.7	7 GREECE. ML 2.6 (THE).
	20	09	02	37.7%	39.988	N	21.485	E	5	G			1.0	5 GREECE. ML 2.2 (THE).
	20	09	23	05.3*	43.674	N	147.502	E	33	N	4.3		1.5	12 KURIL ISLANDS
	20	09	47	32.3%	41.107	N	23.289	E	10	G			0.5	5 GREECE-BULGARIA BORDER REGION. ML 1.9 (THE).
	20	09	56	58.8	41.245	N	29.039	E	10	G			0.3	8 TURKEY. MD 2.8 (ISK).
	20	11	11	42.1	37.048	N	141.650	E	56		4.6		1.0	57 NEAR EAST COAST OF HONSHU, JAPAN
	20	11	26	33.1?	38.36	N	133.62	E	445	?	3.8		0.8	8 SEA OF JAPAN
	20	12	28	27.6?	50.74	N	143.83	E	33	N	4.0		0.9	12 SAKHALIN ISLAND
	20	12	52	25.5*	39.615	N	20.553	E	10	G	4.0		1.6	43 GREECE-ALBANIA BORDER REGION. ML 3.8 (TTG), 3.7 (THE), 3.5 (TIR). MD 3.7 (ATH).
	20	12	56	36.3	40.536	N	23.633	E	10	G			1.0	14 GREECE. ML 2.5 (THE).
	20	13	42	22.1	20.726	S	66.705	W	243		4.2		1.2	23 SOUTHERN BOLIVIA
	20	14	01	54.1&	59.477	N	151.860	W	70					41 KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (AEIC), 3.6 (PMR). Felt (II) at Nanwalek.
	20	14	31	50.2	40.087	N	21.767	E	5	G			1.0	10 GREECE. ML 2.5 (THE).
	20	14	34	25.6*	30.946	S	179.989	E	426	*	4.8		1.0	57 KERMADEC ISLANDS REGION
	20	15	24	16.6%	44.572	N	6.809	E	5	G			0.6	5 FRANCE
	20	16	05	25.0*	11.695	N	140.650	E	33	N	4.3		1.2	20 WESTERN CAROLINE ISLANDS
	20	16	32	33.3	38.088	N	30.053	E	10	G			0.9	22 TURKEY. MD 3.7 (ISK).
	20	16	35	13.5%	38.009	N	30.098	E	10	G			1.1	7 TURKEY. MD 3.3 (ISK).
	20	16	37	47.1%	38.060	N	30.006	E	10	G			1.6	5 TURKEY. MD 3.2 (ISK).
	20	16	42	29.9*	32.263	N	141.709	E	33	N	4.2		1.0	16 SOUTH OF HONSHU, JAPAN
	20	17	26	33.8	25.396	N	96.625	E	18	D	4.8	4.5	1.0	135 MYANMAR
	20	17	34	08.5*	4.732	S	103.202	E	113	*	4.5		0.7	28 SOUTHERN SUMATERA, INDONESIA
	20	18	04	20.7&	60.308	N	146.391	W	7					24 SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	20	18	06	37.0%	43.094	N	0.670	W	10	G			0.2	7 PYRENEES. ML 0.7 (STR).
	20	18	07	24.7	42.814	N	17.937	E	5	G			0.8	10 ADRIATIC SEA. MD 2.6 (TTG).
	20	19	45	26.6	52.575	N	159.026	E	70		4.5		0.8	43 OFF EAST COAST OF KAMCHATKA
	20	20	03	34.4?	17.53	S	178.31	W	600	G	4.4		1.5	13 FIJI ISLANDS REGION
	20	20	04	20.8*	41.285	N	19.511	E	5	G			0.9	10 ALBANIA. ML 2.4 (TTG).
	20	20	27	14.9&	62.580	N	149.715	W	71					45 CENTRAL ALASKA. <AEIC>.
	20	20	55	23.8&	62.629	N	150.632	W	87					34 CENTRAL ALASKA. <AEIC>.
a	20	22	17	23.9	23.353	S	170.605	E	36	D	5.2		1.0	74 LOYALTY ISLANDS REGION. Mw 5.2 (HRV).
	20	22	22	46.4*	38.781	N	20.501	E	13				1.6	13 GREECE. MD 3.1 (ATH). ML 3.0 (THE).
	20	22	39	47.9*	25.529	N	142.848	E	33	N	4.6		0.9	41 VOLCANO ISLANDS REGION
	20	23	00	15.1	35.724	N	29.112	E	33	N			1.3	29 EASTERN MEDITERRANEAN SEA. MD 3.5 (ISK). ML 3.5 (CSS).
	20	23	04	37.7*	23.098	S	170.400	E	33	N	4.6		0.8	13 LOYALTY ISLANDS REGION
	20	23	11	28.8?	48.25	N	9.36	E	10	G			1.3	7 GERMANY. ML 2.5 (LDG), 1.8 (STR).
	20	23	22	56.0*	14.985	N	60.535	W	68	*			0.9	13 WINDWARD ISLANDS. Felt (III) on Martinique.
a	20	23	27	36.2&	35.761	N	117.639	W	5		5.0	5.5		266 CENTRAL CALIFORNIA. <PAS-P>. Mw 5.5 (GS), 5.6 (HRV). ML 5.8 (PAS), 6.1 (BRK). Mo=2.3*10**17 Nm (BRK). Felt strongly in the China Lake-Ridgecrest area. Felt (V) at Darwin and Inyokern; (IV) at Barstow, Bodfish, Boron, Edwards, Glendale, Hinkley, Johannesburg, La Canada, Littlerock, Lone Pine, Santa Ana, Strathmore and Tehachapi. Felt in the Los Angeles area, south as far as San Diego and east to Las Vegas, Nevada.
	20	23	32	07.1	35.665	N	117.695	W	5	G			1.0	24 CENTRAL CALIFORNIA. ML 3.4 (GS).
	20	23	32	46.8&	35.755	N	117.629	W	9					7 CENTRAL CALIFORNIA. <PAS-P>. ML 4.0 (PAS), 3.9 (GS).
	20	23	37	32.5&	35.774	N	117.663	W	8					29 CENTRAL CALIFORNIA. <PAS-P>. ML 3.6 (PAS), 3.8 (GS).
	20	23	43	56.7%	39.662	N	20.460	E	10	G			0.6	5 GREECE-ALBANIA BORDER REGION. ML 2.3 (THE).
	20	23	45	32.1*	23.424	S	170.358	E	33	N	4.4	4.6	1.3	22 LOYALTY ISLANDS REGION
	20	23	53	08.1&	35.755	N	117.654	W	6					11 CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 2.8 (GS).
	20	23	55	49.7&	35.774	N	117.652	W	10					29 CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	20	23	56	58.5&	35.781	N	117.666	W	5					58 CENTRAL CALIFORNIA. <PAS-P>. ML 3.9 (PAS), 4.2 (BRK), 3.7 (GS).
	21	00	16	42.9&	35.775	N	117.640	W	8					52 CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.2 (GS).

21	00	20	12.7	4.676	S	153.570	E	152	*	4.4		0.6	20	NEW IRELAND REGION, P.N.G.
21	00	28	40.2?	22.44	S	170.99	E	33	N	4.2		1.0	11	LOYALTY ISLANDS REGION
21	00	31	24.2&	35.766	N	117.656	W	6					32	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.7 (GS).
21	01	06	03.4&	35.748	N	117.634	W	11					9	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
21	01	13	04.0&	35.750	N	117.638	W	5					33	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.1 (GS).
21	01	15	22.9*	22.914	S	173.736	W	33	N	4.2		0.3	9	TONGA ISLANDS REGION
21	01	25	24.9?	3.80	N	124.62	E	270	?	3.6		1.0	10	CELEBES SEA
21	01	40	16.7&	35.754	N	117.659	W	5					15	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
21	02	10	27.8	37.505	N	20.959	E	10	G	3.8		1.2	19	IONIAN SEA. MD 3.6 (ATH).
21	02	13	39.3&	35.745	N	117.644	W	5					22	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.8 (GS).
21	02	16	34.9&	35.769	N	117.650	W	6					27	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.0 (GS).
21	03	09	50.8&	35.766	N	117.650	W	6					56	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.2 (GS).
21	04	23	59.4&	35.764	N	117.655	W	7					54	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.2 (GS).
21	04	36	24.7	31.036	S	71.382	W	62	D	4.4		1.1	30	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN). Felt (IV) at Combarbala, Monte Patria, Ovalle and Punitaqui.
21	04	54	05.0	6.935	N	127.339	E	56	?	4.8	4.4	1.1	51	PHILIPPINE ISLANDS REGION
21	05	10	13.8&	35.766	N	117.645	W	6					49	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.8 (GS).
21	05	17	36.5	20.238	S	169.146	E	39	*	4.9	4.6	1.2	81	VANUATU ISLANDS
21	05	18	24.4%	32.764	S	70.970	W	70	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
21	05	28	50.6	1.341	S	100.865	E	124	*	4.2		0.7	41	SOUTHERN SUMATERA, INDONESIA
21	05	55	58.4	39.565	N	20.576	E	10	G			1.0	15	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH). ML 3.0 (THE).
21	06	14	42.2*	8.405	S	120.583	E	185	*	4.4		0.8	21	FLORES REGION, INDONESIA
21	06	25	42.4?	44.75	N	6.86	E	10	G			0.6	4	FRANCE
21	06	28	31.8%	17.450	N	61.142	W	10	G			0.3	8	LEEWARD ISLANDS
21	06	28	35.4	39.634	N	20.467	E	10	G			0.9	10	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH). ML 2.7 (THE).
21	07	09	28.9&	35.770	N	117.641	W	5					13	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.7 (GS).
21	07	21	55.5?	38.59	N	20.80	E	5	G			0.1	4	GREECE. MD 2.7 (ATH).
21	07	26	37.0&	35.783	N	117.656	W	9					52	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.9 (GS).
21	07	29	13.5&	35.727	N	117.623	W	6	G				47	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 3.0 (GS).
21	07	34	45.0?	39.19	N	28.39	E	10	G			0.1	4	TURKEY. MD 2.7 (ISK).
21	07	46	53.6&	35.759	N	117.637	W	5					78	CENTRAL CALIFORNIA. <PAS-P>. ML 3.9 (PAS), 4.1 (BRK).
21	07	48	18.9%	41.364	N	29.272	E	10	G			0.5	7	TURKEY. MD 3.0 (ISK).
21	07	57	41.3&	35.756	N	117.634	W	5					90	CENTRAL CALIFORNIA. <PAS-P>. ML 4.0 (PAS), 4.4 (BRK), 4.1 (GS).
21	08	19	53.5*	63.684	S	172.804	E	10	G	4.3	4.2	0.5	13	BALLENY ISLANDS REGION
21	08	20	50.9&	59.886	N	153.219	W	125					79	SOUTHERN ALASKA. <AEIC>.
21	08	46	53.1	39.729	N	20.481	E	10	G	4.4		1.2	81	GREECE-ALBANIA BORDER REGION. ML 4.2 (ATH), 4.2 (TIR), 4.2 (TTG), 3.9 (THE).
21	09	06	14.4&	64.971	N	148.986	W	18					69	CENTRAL ALASKA. <AEIC>. ML 4.1 (AEIC), 4.3 (PMR). Felt (III) at Fairbanks and Nenana. Also felt at Anderson.
21	09	08	48.7	39.607	N	20.509	E	10	G			1.0	10	GREECE-ALBANIA BORDER REGION. MD 2.8 (ATH). ML 2.5 (THE).
21	09	13	18.7?	40.15	N	29.13	E	10	G			1.2	4	TURKEY. MD 2.6 (ISK).
21	09	13	39.9&	35.750	N	117.641	W	5					16	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 3.0 (GS).
21	09	40	22.9*	22.290	S	127.521	E	10	G	4.2		0.1	5	WESTERN AUSTRALIA
21	09	51	46.3?	17.65	N	67.94	W	33	N			1.2	6	MONA PASSAGE
21	10	02	02.5*	18.136	N	67.116	W	33	N			0.5	5	MONA PASSAGE
21	10	08	08.7	39.668	N	20.529	E	10	G			1.1	14	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH). ML 2.9 (THE).
21	10	45	06.2	16.271	N	98.730	W	10	G	4.3		1.2	46	NEAR COAST OF GUERRERO, MEXICO
21	10	53	01.0	18.673	N	101.169	W	95	D	4.6		1.2	82	GUERRERO, MEXICO
21	12	24	30.1	39.668	N	20.543	E	10	G			1.0	11	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH). ML 2.6 (TIR), 2.6 (THE).
21	12	35	37.1&	60.667	N	143.148	W	11					27	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.7 (PGC).
21	13	04	12.0	47.112	N	9.399	E	10	G			1.1	6	GERMANY. ML 2.4 (VIE).
21	13	18	22.9	41.730	N	20.019	E	10	G			0.8	14	ALBANIA. ML 2.6 (TTG).
21	13	23	51.6?	10.43	S	66.62	E	10	G	4.0		1.3	7	MID-INDIAN RIDGE
21	13	48	04.4?	45.80	N	11.35	E	10	G			0.4	6	NORTHERN ITALY. ML 2.9 (VIE).
21	14	04	25.2*	45.500	N	13.012	E	25	*			0.6	6	NORTHERN ITALY. ML 2.5 (VIE). MD 2.4 (LJU).
21	14	11	19.5&	35.740	N	117.633	W	5					31	CENTRAL CALIFORNIA. <PAS-P>. ML 3.7 (PAS), 3.8 (GS).
21	14	11	48.7&	60.063	N	152.801	W	91					88	SOUTHERN ALASKA. <AEIC>.
21	14	13	52.1?	36.64	N	29.20	E	10	G			0.3	4	TURKEY. MD 3.5 (ISK).
21	14	14	28.2%	44.739	N	6.915	E	5	G			0.4	5	FRANCE
21	14	21	58.3&	33.418	N	118.055	W	6	G				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.0 (GS).
21	15	47	06.7*	3.509	N	128.442	E	119	?	4.1		1.4	20	NORTH OF HALMAHERA, INDONESIA
21	15	51	57.2&	58.703	N	151.714	W	35					28	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
21	17	38	53.1	33.530	N	134.374	E	33	N			0.7	10	SHIKOKU, JAPAN
21	17	46	54.9%	9.990	N	70.034	W	10	G			0.7	5	VENEZUELA. Felt at Carora and El Tocuyo.
21	17	50	44.9%	10.008	N	69.977	W	13				1.0	8	VENEZUELA
21	17	52	45.7?	38.03	N	22.14	E	10	G			0.4	4	GREECE. MD 2.8 (ATH).
21	18	24	08.6*	25.753	S	179.871	E	539	?	3.9		0.3	11	SOUTH OF FIJI ISLANDS
21	18	28	13.3*	35.674	N	26.514	E	33	N			0.4	5	CRETE. MD 3.5 (ATH).
21	18	38	05.6*	10.108	S	119.653	E	77	*	3.8		1.2	9	SUMBA REGION, INDONESIA
21	18	41	42.4?	26.08	N	143.54	E	33	N	4.0		1.2	8	BONIN ISLANDS REGION
21	19	00	27.2%	43.919	N	7.947	E	5	G			0.1	7	NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG).
21	19	50	53.1	40.677	N	23.555	E	10	G			1.0	14	GREECE. ML 2.7 (THE).
21	20	32	57.2	63.275	N	179.327	E	10	G	4.8	4.6	1.1	144	EASTERN SIBERIA, RUSSIA
21	20	50	00.6%	35.446	N	3.844	W	10	G			0.8	7	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
21	21	10	18.8&	35.769	N	117.652	W	6					22	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.3 (GS).
21	21	23	38.8%	10.018	N	70.029	W	10	G			1.1	5	VENEZUELA
21	21	40	41.3%	16.510	N	98.420	W	33	N			0.6	5	NEAR COAST OF GUERRERO, MEXICO
21	21	52	52.0*	2.588	S	139.708	E	33	N	4.1		0.4	9	NEAR NORTH COAST OF IRIAN JAYA
21	22	15	17.0	40.091	N	21.695	E	10	G			0.9	8	GREECE. ML 2.4 (THE).
21	22	23	07.5	23.142	S	70.423	W	32	D	4.7		0.9	23	NEAR COAST OF NORTHERN CHILE
21	23	03	27.0&	45.080	N	74.210	W	18	G				5	SOUTHERN ONTARIO, CANADA. <OTT-P>. mbLg 3.1 (OTT). Felt in the Valleyfield, Quebec area.
21	23	38	15.8?	35.14	S	71.08	W	100	G			0.2	10	CENTRAL CHILE. MD 3.6 (SAN).
21	23	45	06.5	36.480	N	5.740	W	10	G			1.3	10	STRAIT OF GIBRALTAR. MD 2.4 (SFS). mbLg 2.1 (MDD).
21	23	48	39.1&	35.762	N	117.643	W	5					72	CENTRAL CALIFORNIA. <PAS-P>. ML 4.0 (PAS), 4.3 (BRK), 4.1 (GS).
21	23	52	38.5	36.486	N	26.828	E	153		4.9		1.0	283	DODECANESE ISLANDS

	22	00	12	21.7*	51.104	N	15.919	E	10	G		0.7	8	POLAND. ML 2.5 (MOX).
	22	00	55	11.6*	36.539	S	78.870	E	10	G	4.2	0.9	15	MID-INDIAN RIDGE
	22	01	27	34.5*	20.572	N	121.599	E	74		4.2	1.1	26	PHILIPPINE ISLANDS REGION
	22	01	36	40.1*	36.550	S	79.342	E	10	G	4.5	1.3	24	MID-INDIAN RIDGE
	22	01	38	43.2*	36.510	S	78.830	E	10	G	4.2	0.6	10	MID-INDIAN RIDGE
	22	01	47	47.0?	34.45	S	70.41	W	5	G		0.5	9	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
a	22	03	22	31.3	51.442	N	178.475	W	33	N	4.9 4.7	1.1	163	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). ML 5.2 (PMR). Felt (III) on Adak.
	22	04	16	33.3*	36.341	N	70.037	E	172	?	3.8	0.9	14	HINDU KUSH REGION, AFGHANISTAN
a	22	04	20	09.5	6.036	S	146.629	E	56		4.9	0.9	55	EASTERN NEW GUINEA REG., P.N.G. Mw 5.2 (HRV).
	22	05	34	06.8*	51.691	N	176.916	E	50	G	4.4	1.2	15	RAT ISLANDS, ALEUTIAN ISLANDS
	22	05	39	15.2?	6.52	S	151.66	E	33	N	4.8	1.1	13	NEW BRITAIN REGION, P.N.G.
a	22	05	39	30.5	6.053	S	146.543	E	45		5.8 5.9	1.1	313	EASTERN NEW GUINEA REG., P.N.G. Mw 5.9 (GS), 6.2 (HRV). Ms 6.0 (BRK). Mo=1.9*10**18 Nm (PPT).
	22	05	54	41.7	32.735	S	71.408	W	10	G		0.9	9	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	22	06	02	09.9	5.745	S	153.461	E	33	N	5.0	1.1	50	NEW IRELAND REGION, P.N.G.
	22	06	05	50.3	40.496	N	21.142	E	5	G		0.5	11	GREECE. MD 3.1 (ATH). ML 2.9 (THE).
	22	06	11	36.9	6.033	S	146.715	E	56		4.0	1.1	21	EASTERN NEW GUINEA REG., P.N.G.
	22	06	18	57.1*	6.136	S	146.787	E	60	*	3.5	1.9	18	EASTERN NEW GUINEA REG., P.N.G.
	22	06	23	30.2	40.564	N	21.201	E	5	G		1.4	12	GREECE. MD 2.9 (ATH). ML 2.8 (THE).
	22	06	39	19.5?	17.42	N	61.64	W	50	G		0.3	5	LEEWARD ISLANDS
	22	06	45	02.6*	9.762	S	159.887	E	43	*	4.1	1.0	17	SOLOMON ISLANDS. Felt (II) at Honiara.
	22	06	47	01.1	39.678	N	20.547	E	10	G		1.4	7	GREECE-ALBANIA BORDER REGION. ML 2.6 (THE).
	22	07	09	54.1	6.118	S	146.630	E	46		3.6	0.6	11	EASTERN NEW GUINEA REG., P.N.G.
	22	07	23	43.0*	6.102	S	146.711	E	54		3.6	1.1	15	EASTERN NEW GUINEA REG., P.N.G.
	22	07	38	35.6	6.062	S	146.662	E	50		3.9	0.9	18	EASTERN NEW GUINEA REG., P.N.G.
	22	07	41	14.1*	33.747	S	178.881	W	33	N	4.5	1.3	19	SOUTH OF KERMADEC ISLANDS
	22	08	06	03.4	44.560	N	6.975	E	5	G		0.8	11	FRANCE. ML 2.9 (LDG).
	22	08	10	02.5&	62.066	N	150.731	W	54				56	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
	22	08	27	55.5?	39.66	N	20.42	E	5	G		1.4	4	GREECE-ALBANIA BORDER REGION. MD 2.9 (ATH).
	22	08	32	15.4?	43.90	N	2.57	E	10	G		1.3	6	FRANCE. ML 2.6 (LDG).
	22	08	32	17.0	6.069	S	146.644	E	51		3.3	0.8	12	EASTERN NEW GUINEA REG., P.N.G.
	22	08	36	16.5*	16.356	N	99.523	W	25	*	3.5	1.5	14	NEAR COAST OF GUERRERO, MEXICO
	22	08	40	15.1?	16.37	N	100.02	W	10	G		0.6	5	NEAR COAST OF GUERRERO, MEXICO
a	22	08	51	49.5	1.065	N	19.395	E	10	G	5.7 5.0	0.9	372	ZAIRE. Mw 5.4 (HRV).
	22	08	55	30.2&	37.195	N	121.459	W	6				34	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
	22	09	05	03.3*	6.074	S	146.589	E	54	?	3.4	0.9	6	EASTERN NEW GUINEA REG., P.N.G.
a	22	11	20	10.3	35.316	N	8.237	E	10	G	4.8 5.0	1.2	203	TUNISIA. Mw 5.4 (HRV).
	22	12	07	26.5	36.537	N	22.106	E	33	N	3.9	0.9	12	SOUTHERN GREECE. ML 3.5 (ATH).
	22	12	20	59.7	6.034	S	146.652	E	52		4.1	1.0	23	EASTERN NEW GUINEA REG., P.N.G.
	22	12	28	21.1	6.283	S	146.597	E	41		3.2	0.7	12	EASTERN NEW GUINEA REG., P.N.G.
	22	12	56	23.7	37.320	N	58.706	E	33	N	3.9	1.5	10	TURKMENISTAN-IRAN BORDER REGION. Felt at Quchan, Iran.
	22	12	57	00.7	6.070	S	146.626	E	49		4.4	0.8	27	EASTERN NEW GUINEA REG., P.N.G.
	22	13	31	04.4*	43.087	N	18.130	E	10	G		0.6	10	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	22	14	12	28.5	6.065	S	146.627	E	55		4.8	0.6	30	EASTERN NEW GUINEA REG., P.N.G.
	22	14	19	29.4	6.033	S	146.624	E	56		3.5	0.8	13	EASTERN NEW GUINEA REG., P.N.G.
	22	14	47	21.2&	38.743	N	118.579	W	20		4.4		149	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. ML 4.8 (BRK), 4.6 (GS). MD 4.6 (GM), 4.4 (REN). Mo=7.5*10**15 Nm (BRK). Felt (IV) at Hawthorne; (III) at Luning and Shurz; (II) at Mina, Nevada. Also felt (II) at Bridgeport, California. Felt as far as Carson City, Nevada.
	22	14	57	06.4	44.456	N	7.035	E	10	G		0.2	7	NORTHERN ITALY
	22	15	08	43.8?	37.99	N	21.80	E	5	G		1.4	4	SOUTHERN GREECE. MD 3.0 (ATH). ML 2.9 (THE).
	22	15	41	09.6&	59.993	N	152.012	W	71				37	SOUTHERN ALASKA. <AEIC>.
	22	16	06	18.1&	36.815	N	121.203	W	8		3.8		133	CENTRAL CALIFORNIA. <GM-P>. ML 4.3 (BRK), 4.1 (GS). MD 4.1 (GM). Mo=2.1*10**15 Nm (BRK). Felt (IV) at Gilroy and Tres Pinos. Felt in the Hollister-Santa Cruz area.
	22	16	41	31.5	18.880	N	71.544	W	33	N	4.1	1.1	21	DOMINICAN REPUBLIC REGION
	22	17	52	51.8&	40.072	N	3.168	W	10	G		0.6	6	SPAIN. mbLg 3.0 (MDD).
a	22	17	56	01.5	13.447	N	90.565	W	53	D	4.7 5.0	1.0	138	NEAR COAST OF GUATEMALA. Mw 5.5 (HRV). Ms 4.8 (BRK).
	22	17	58	24.1	39.586	N	20.506	E	10	G		0.8	11	GREECE-ALBANIA BORDER REGION. MD 2.8 (ATH). ML 2.5 (THE).
	22	18	12	11.4	39.649	N	20.519	E	5	G		1.1	13	GREECE-ALBANIA BORDER REGION. ML 2.5 (THE).
	22	19	05	52.0	16.016	S	177.707	W	411	*	4.4	1.1	67	FIJI ISLANDS REGION
	22	19	34	20.7	51.674	N	16.244	E	10	G		1.1	17	POLAND
	22	20	02	43.1	39.266	N	23.638	E	10	G		0.9	19	AEGEAN SEA. MD 3.1 (ATH). ML 3.1 (THE).
a	22	20	05	39.2	10.072	S	160.804	E	43	*	5.2 5.3	1.0	126	SOLOMON ISLANDS. Mw 5.6 (HRV). Mo=6.0*10**17 Nm (PPT). Felt (IV) at Honiara.
	22	20	22	08.0	39.515	N	22.081	E	10	G		1.0	19	GREECE. ML 3.1 (THE). MD 3.0 (ATH).
	22	20	25	23.9	21.100	S	174.444	W	33	N	4.8	1.0	13	TONGA ISLANDS
	22	20	25	49.9*	30.174	N	33.918	W	10	G	4.3	1.0	27	NORTH ATLANTIC OCEAN
	22	20	29	33.1&	62.865	N	151.179	W	118				76	CENTRAL ALASKA. <AEIC>.
	22	20	44	17.7&	35.784	N	117.674	W	7				52	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	22	20	58	46.9*	5.934	N	72.263	W	33	N		1.4	8	COLOMBIA
	22	21	09	35.4&	61.433	N	151.762	W	84				77	SOUTHERN ALASKA. <AEIC>.
	22	21	26	11.6?	9.81	S	160.83	E	64	?	3.6	1.0	10	SOLOMON ISLANDS
	22	21	26	34.5	38.759	N	21.657	E	10	G		0.8	14	GREECE. ML 3.2 (THE). MD 3.0 (ATH).
	22	21	28	24.8?	38.95	N	21.13	E	5	G		0.5	4	GREECE. MD 2.8 (ATH). ML 2.7 (THE).
	22	21	40	43.6&	61.354	N	150.212	W	39				47	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	22	21	59	19.9	33.002	S	70.180	W	113		4.2	0.9	30	CHILE-ARGENTINA BORDER REGION. MD 4.6 (SAN). Felt (III) at Santiago, Chile.
	22	22	10	52.3*	25.327	N	143.010	E	33	N	4.3	0.6	15	VOLCANO ISLANDS REGION
	22	22	18	08.1&	40.200	N	23.453	E	10	G		0.5	7	GREECE. ML 2.3 (THE).
	22	22	45	31.6&	39.179	N	23.580	E	10	G		0.3	7	AEGEAN SEA. ML 2.3 (THE).
	22	22	48	37.0&	35.767	N	117.652	W	7				50	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	22	23	07	39.9?	50.60	N	179.38	W	33	N	3.9	1.0	11	ANDREANOF ISLANDS, ALEUTIAN IS.
	22	23	29	55.7*	52.064	N	169.448	W	33	N	4.5	1.2	48	FOX ISLANDS, ALEUTIAN ISLANDS
	23	00	06	16.7&	50.982	N	130.678	W	10	G			31	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.4 (PGC).
	23	00	58	12.9?	6.09	S	153.38	E	33	N	4.1	1.0	10	NEW BRITAIN REGION, P.N.G.
	23	01	14	19.9*	71.696	N	1.416	W	10	G		0.8	7	JAN MAYEN ISLAND REGION
	23	01	35	47.6?	6.19	S	146.02	E	98	?	3.1	0.9	7	EASTERN NEW GUINEA REG., P.N.G.
a	23	01	45	04.7	10.438	S	161.296	E	37	D	5.3 5.0	1.0	119	SOLOMON ISLANDS. Mw 5.2 (HRV). Felt (III) at Honiara.

	23	01	55	19.6&	35.735	N	117.661	W	8					9	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	23	02	13	43.8*	6.198	S	146.653	E	49	*	3.4		0.6	10	EASTERN NEW GUINEA REG., P.N.G.
a	23	02	34	12.7	5.968	S	146.635	E	27	G	5.8	5.8	1.0	271	EASTERN NEW GUINEA REG., P.N.G. Mw 5.9 (GS), 6.0 (HRV). Me 5.8 (GS). Depth from broadband displacement seismograms.
	23	03	13	43.6?	22.98	S	169.74	E	46	?	4.3		1.1	16	LOYALTY ISLANDS REGION
	23	03	20	18.3	6.042	S	146.634	E	45		3.9		1.0	20	EASTERN NEW GUINEA REG., P.N.G.
	23	04	02	30.4*	6.055	S	146.642	E	48	*	3.4		1.1	11	EASTERN NEW GUINEA REG., P.N.G.
	23	04	10	11.0?	6.99	S	129.49	E	33	N	4.0		0.9	8	BANDA SEA
	23	04	33	22.5&	58.346	N	133.430	W	5	G				5	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.2 (PGC).
	23	04	37	02.2*	7.879	S	108.043	E	87	?	4.4		1.4	20	JAWA, INDONESIA
	23	05	08	48.4*	20.455	S	178.743	W	598	?	4.1		1.1	17	FIJI ISLANDS REGION
	23	05	42	48.8?	9.40	S	127.74	E	33	N	4.3		1.1	6	TIMOR SEA
	23	05	52	16.1	51.708	N	16.055	E	10	G			1.0	10	POLAND. ML 2.6 (CLL).
	23	06	35	10.7?	46.91	N	25.50	E	33	N			1.3	6	ROMANIA
	23	08	39	31.2?	38.29	N	21.08	E	5	G			0.4	4	GREECE. MD 2.5 (ATH).
	23	08	57	51.9?	11.95	N	88.62	W	33	N	4.3		0.9	11	OFF COAST OF CENTRAL AMERICA
	23	09	39	59.3?	5.10	S	147.19	E	10	G	3.5		1.3	7	EASTERN NEW GUINEA REG., P.N.G.
	23	10	30	59.7&	37.478	N	118.814	W	3					23	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK), 2.9 (GS).
	23	10	33	50.7&	37.613	N	118.802	W	1					42	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK), 3.3 (GS). MD 3.4 (GM).
	23	11	04	07.7?	38.28	N	21.08	E	10	G			0.3	4	GREECE. MD 2.9 (ATH).
	23	11	08	28.3?	18.99	S	174.96	W	262	?	4.5		0.2	8	TONGA ISLANDS
	23	11	14	57.1*	38.381	N	21.757	E	10	G			1.1	5	GREECE. MD 2.9 (ATH).
	23	12	00	56.3*	14.809	N	146.896	E	33	N	4.5		1.2	14	MARIANA ISLANDS
	23	12	42	41.0&	33.511	S	70.110	W	10	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	23	12	48	23.1	45.928	N	15.491	E	10	G			0.7	6	NORTHWESTERN BALKAN REGION. MD 2.7 (LJU). Felt (IV) in the Artice-Krsko-Sromlje area.
	23	13	20	41.7?	3.77	N	126.73	E	33	N	4.0		1.4	10	TALAUD ISLANDS, INDONESIA
	23	14	29	06.5*	3.568	S	150.825	E	49	?	4.2		0.9	11	NEW IRELAND REGION, P.N.G.
	23	15	07	23.9*	6.051	S	146.588	E	57	*	3.0		1.4	10	EASTERN NEW GUINEA REG., P.N.G.
	23	15	09	15.2&	34.260	N	116.433	W	2					30	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.9 (GS).
	23	15	09	51.8&	44.526	N	7.238	E	10	G			0.1	5	NORTHERN ITALY
	23	15	42	51.3&	57.900	N	156.343	W	114		4.0			89	ALASKA PENINSULA. <AEIC>.
	23	16	03	52.0&	34.252	N	116.436	W	3					36	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.2 (GS).
a	23	16	05	49.5	5.561	S	104.062	E	45	G	5.9	5.6	0.9	382	SOUTHERN SUMATERA, INDONESIA. Mw 5.9 (GS), 6.0 (HRV). Me 5.7 (GS). Depth from broadband displacement seismograms.
	23	16	30	54.2&	34.142	N	116.463	W	8					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt.
	23	16	45	08.3*	5.095	S	104.768	E	108		3.9		0.5	11	SOUTHERN SUMATERA, INDONESIA
	23	16	52	20.4?	25.43	N	143.33	E	33	N	4.2		1.1	10	VOLCANO ISLANDS REGION
	23	17	42	19.5*	9.287	S	158.895	E	33	N	4.2		1.3	10	SOLOMON ISLANDS
	23	17	45	25.4&	62.858	N	150.496	W	101					58	CENTRAL ALASKA. <AEIC>.
	23	18	26	26.9*	44.489	N	129.760	W	10	G			0.5	61	OFF COAST OF OREGON
	23	18	54	20.3?	44.78	N	6.59	E	10	G			0.1	4	FRANCE. ML 1.8 (GEN).
	23	19	56	33.1?	53.65	S	140.77	E	33	N	4.1		1.1	9	WEST OF MACQUARIE ISLAND
	23	20	10	37.8*	22.508	S	68.203	W	179	*	3.9		0.8	15	NORTHERN CHILE
	23	20	22	51.5*	10.982	S	166.333	E	92	?	3.7		1.4	8	SANTA CRUZ ISLANDS
	23	20	25	37.6&	11.552	N	60.502	W	33	N			0.5	8	WINDWARD ISLANDS. MD 3.1 (TRN).
a	23	20	56	04.1	24.328	S	128.003	W	10	G	5.5	5.2	1.1	148	SOUTH PACIFIC OCEAN. Mw 5.6 (HRV). Mo=4.4*10**17 Nm (PPT).
	23	21	21	35.0&	63.648	N	147.519	W	74					47	CENTRAL ALASKA. <AEIC>.
	23	21	33	59.7*	48.221	N	7.602	E	10	G			0.2	6	FRANCE. ML 2.1 (LDG).
a	23	22	31	56.3	10.680	S	78.581	W	60	G	6.0		1.2	436	NEAR COAST OF PERU. Mw 6.5 (GS), 6.5 (HRV). Me 6.2 (GS). mb 6.4 (BRK). Mo=1.3*10**19 Nm (PPT). Felt (V) at Huacho; (IV) at Lima and Trujillo; (III) at Canta and Huaraz; (II) at Chiclayo and Ica. Depth from broadband displacement seismograms.
	23	22	32	23.2*	31.296	S	179.057	W	44	?	4.3		1.2	8	KERMADEC ISLANDS REGION
	23	22	33	58.7*	6.007	S	146.633	E	50	*	3.6		0.8	11	EASTERN NEW GUINEA REG., P.N.G.
	24	00	12	11.3*	47.853	N	5.614	E	10	G			0.8	10	FRANCE. ML 2.3 (LDG), 1.8 (STR).
	24	00	49	48.0	23.583	S	179.872	E	557	?	4.3		1.1	18	SOUTH OF FIJI ISLANDS
	24	01	14	26.5	9.106	S	111.086	E	22	D	4.7		1.1	41	SOUTH OF JAWA, INDONESIA
	24	01	17	51.9	10.650	S	78.390	W	67	D	4.7		0.8	60	NEAR COAST OF PERU. Felt (III) at Barranca, Casma and Huarmey; (II) at Chimbote.
	24	02	21	47.8?	34.30	S	69.65	W	160	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
	24	02	29	10.7	16.663	N	46.607	W	10	G	4.5	4.3	0.8	52	NORTHERN MID-ATLANTIC RIDGE
	24	02	40	11.3&	35.735	N	117.659	W	8					9	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	24	03	07	49.6	40.466	N	21.168	E	10	G			0.9	8	GREECE. ML 2.4 (THE).
	24	03	45	20.8&	61.829	N	150.234	W	50					72	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
	24	05	27	01.5&	36.817	N	121.205	W	8					52	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 2.7 (GS).
	24	05	31	34.6&	36.762	N	22.478	E	5	G			1.1	5	SOUTHERN GREECE. MD 3.0 (ATH).
	24	05	44	26.0*	43.564	N	146.758	E	84	*	3.9		0.8	14	KURIL ISLANDS
	24	06	16	03.0	22.200	S	67.121	W	190		4.2		1.0	27	CHILE-BOLIVIA BORDER REGION
	24	06	35	58.6&	34.253	N	116.437	W	3					28	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 3.0 (GS). Felt.
	24	06	46	19.2?	37.11	N	3.52	W	10	G			0.1	4	SPAIN. mbLg 1.9 (MDD).
	24	06	56	57.9?	39.68	N	20.53	E	5	G			0.6	4	GREECE-ALBANIA BORDER REGION. ML 2.5 (THE).
	24	08	47	01.9?	23.97	S	175.70	W	236	?	4.3		1.4	21	TONGA ISLANDS REGION
	24	08	47	14.0*	6.056	S	146.593	E	49	*	3.0		1.4	13	EASTERN NEW GUINEA REG., P.N.G.
	24	08	51	11.2*	5.514	S	153.296	E	78	?	4.3		1.2	12	NEW IRELAND REGION, P.N.G.
	24	09	26	31.1	49.934	N	154.982	E	140		4.5		0.8	46	KURIL ISLANDS
	24	09	50	33.2?	10.50	N	61.95	W	5	G			1.3	7	TRINIDAD. MD 3.0 (TRN).
	24	10	00	56.1?	10.98	N	62.09	W	80	G			0.2	5	NEAR COAST OF VENEZUELA. MD 3.0 (TRN).
	24	10	19	38.0	43.074	N	0.387	W	5	G			1.1	13	PYRENEES. ML 2.7 (LDG). mbLg 2.5 (MDD). Felt (II) at Bruges, France.
	24	10	38	16.3?	14.78	S	166.54	E	33	N	4.2		0.5	7	VANUATU ISLANDS
	24	10	46	47.0	43.086	N	0.537	W	10	G			0.8	8	PYRENEES. ML 0.7 (STR).
	24	10	57	29.9*	36.704	N	142.504	E	33	N	3.7		1.3	8	OFF EAST COAST OF HONSHU, JAPAN
	24	11	44	15.1*	49.901	N	18.747	E	10	G			0.8	10	CZECH AND SLOVAK REPUBLICS. ML 2.8 (CLL).
	24	11	56	44.7	16.919	N	61.075	W	54	*	3.5		0.5	17	LEEWARD ISLANDS
	24	12	28	36.4?	4.34	S	129.34	E	160	?	4.2		1.1	12	BANDA SEA

24	12	47	26.0&	60.384	N	152.184	W	78		3.0			75	SOUTHERN ALASKA. <AEIC>.
24	12	52	08.7?	5.68	S	146.24	E	33	N			0.2	4	EASTERN NEW GUINEA REG., P.N.G.
24	13	14	17.6&	60.520	N	150.822	W	37					45	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC), 2.9 (PMR).
24	13	15	30.0&	35.791	N	117.660	W	6					70	CENTRAL CALIFORNIA. <PAS-P>. ML 3.7 (PAS), 4.0 (BRK), 3.6 (GS). Felt.
24	13	20	50.5	21.525	N	144.508	E	89	D	4.7		0.8	90	MARIANA ISLANDS REGION
24	13	40	15.2	28.448	N	128.146	E	33	N	4.4	4.1	1.2	39	RYUKYU ISLANDS
24	13	59	00.2	23.170	S	67.878	W	127	D	4.7		1.0	53	CHILE-ARGENTINA BORDER REGION. MD 5.0 (SAN). Felt (III) at Antofagasta, Chile.
24	14	00	39.3	47.698	N	121.961	W	10	G			1.1	9	WASHINGTON. ML 2.3 (GS).
24	14	17	12.3	41.229	N	21.974	E	5	G			0.3	6	NORTHWESTERN BALKAN REGION
24	14	34	32.3&	35.727	N	117.623	W	9					37	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.8 (GS).
24	14	44	28.9*	17.959	N	96.933	W	98	*	3.6		0.8	8	OAXACA, MEXICO
24	15	52	33.6&	31.808	N	115.797	W	8					24	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.4 (ECX). ML 2.8 (GS).
24	16	49	26.8	53.099	N	171.058	E	33	N	5.0	4.1	0.9	148	NEAR ISLANDS, ALEUTIAN ISLANDS
24	17	02	22.9&	45.518	N	111.891	W	4					17	MONTANA. <BUT-P>. ML 3.7 (BUT), 3.6 (GS). Felt in the Sheridan area.
24	17	19	50.0	6.128	S	146.686	E	46		4.0		0.9	14	EASTERN NEW GUINEA REG., P.N.G.
24	18	09	47.5*	58.132	N	8.384	E	10	G			1.2	10	SOUTHERN NORWAY. MD 2.4 (BER).
24	18	15	55.6&	59.638	N	152.776	W	90					40	SOUTHERN ALASKA. <AEIC>.
24	18	27	00.4*	70.796	N	9.358	E	10	G	3.1		1.0	10	NORWEGIAN SEA. MD 3.1 (BER).
24	18	49	44.0*	6.271	S	146.621	E	54	*	3.3		1.0	12	EASTERN NEW GUINEA REG., P.N.G.
24	18	50	50.1&	45.522	N	111.896	W	6					11	MONTANA. <BUT-P>. ML 3.1 (BUT).
24	18	56	56.2	6.153	S	146.650	E	56		4.1		0.8	21	EASTERN NEW GUINEA REG., P.N.G.
24	19	00	41.1	6.041	S	146.721	E	55		4.0		0.7	15	EASTERN NEW GUINEA REG., P.N.G.
24	19	14	44.3?	58.30	S	163.99	E	10	G	4.4		0.8	9	MACQUARIE ISLANDS REGION
24	19	54	06.0	70.839	N	9.543	E	10	G			0.5	10	NORWEGIAN SEA. ML 1.6 (NAO).
24	20	05	02.7*	31.724	S	70.506	W	120	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
24	20	14	11.4&	32.429	N	115.208	W	14					43	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 4.2 (ECX). ML 3.6 (GS), 3.4 (PAS).
24	20	19	59.2	3.463	N	97.273	E	36	D	5.1		1.0	199	NORTHERN SUMATERA, INDONESIA
24	20	23	22.1	26.857	S	26.697	E	5	G			1.2	17	REPUBLIC OF SOUTH AFRICA. mbLg 4.1 (BUL). ML 3.9 (PRE).
24	20	39	20.8&	35.758	N	117.646	W	6					31	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 3.0 (GS).
24	20	46	40.3*	8.990	S	80.010	W	33	N	4.3		0.8	20	OFF COAST OF NORTHERN PERU
24	21	04	07.1	24.234	S	66.942	W	186	*	3.4		0.6	13	SALTA PROVINCE, ARGENTINA
24	21	19	03.7&	39.805	N	23.506	E	10	G			0.9	9	AEGEAN SEA. ML 2.4 (THE).
24	21	30	46.5	49.950	N	154.399	E	130	D	4.0		1.0	37	KURIL ISLANDS
24	21	37	12.6&	45.523	N	111.910	W	5					20	MONTANA. <BUT-P>. ML 3.4 (BUT), 3.3 (GS). Felt.
24	21	49	10.8?	7.87	S	76.78	W	33	N	3.7		1.4	5	NORTHERN PERU
24	21	55	08.6&	45.517	N	111.892	W	5					53	MONTANA. <BUT-P>. MD 3.7 (BUT). ML 3.9 (GS). Felt (IV) at Pony; (III) at Silver Star and Virginia City; (II) at Alder. Also felt in the Sheridan area.
24	22	04	14.8&	60.243	N	151.732	W	62					48	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
24	22	16	26.5&	60.976	N	150.327	W	39					35	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
24	22	25	52.8*	25.377	N	142.972	E	33	N	4.0		0.9	13	VOLCANO ISLANDS REGION
24	22	51	52.5*	28.967	N	97.595	E	33	N	4.6		1.3	26	EASTERN XIZANG-INDIA BORDER REG.
24	23	17	21.0?	29.90	N	35.05	E	10	G			0.1	4	WESTERN ARABIAN PENINSULA
24	23	50	31.0	16.800	S	173.485	W	33	N	4.7		0.9	28	TONGA ISLANDS
24	23	57	44.0	40.076	N	21.801	E	10	G			0.9	11	GREECE. ML 2.6 (THE).
25	00	13	34.3?	39.14	N	20.38	E	5	G			1.0	6	GREECE-ALBANIA BORDER REGION. ML 2.7 (THE).
25	00	54	21.8	41.480	N	19.600	E	10	G			1.1	37	ALBANIA. ML 3.5 (TIR), 3.1 (SKO), 3.0 (TTG), 3.0 (THE). MD 3.2 (ATH).
25	00	57	26.6*	24.227	S	67.076	W	158	?	4.0		1.0	17	CHILE-ARGENTINA BORDER REGION
25	01	10	07.0	19.542	S	173.757	W	33	N	5.4	5.3	1.2	150	TONGA ISLANDS. Mw 5.7 (HRV). Ms 5.4 (BRK). Mo=8.1*10**17 Nm (PPT).
25	01	30	47.9*	4.106	S	129.647	E	33	N	4.3		1.5	19	BANDA SEA
25	02	00	04.9&	33.505	N	115.869	W	3					7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
25	03	12	40.5	35.411	N	8.367	E	10	G	4.1		0.9	26	TUNISIA. mbLg 4.3 (MDD).
25	03	17	22.3	34.248	N	25.698	E	29		4.3		1.2	138	CRETE. ML 4.2 (ATH).
25	03	37	42.4?	36.78	N	3.03	W	10	G			0.1	4	STRAIT OF GIBRALTAR. mbLg 1.8 (MDD).
25	03	41	10.3?	34.10	S	70.43	W	10	G			0.6	5	CHILE-ARGENTINA BORDER REGION
25	03	51	06.0	38.336	N	21.067	E	5	G			0.8	11	GREECE. ML 3.3 (THE). MD 3.2 (ATH).
25	04	21	40.6&	35.808	N	117.619	W	9					87	CENTRAL CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt at Ridgecrest.
25	04	22	55.0&	62.146	N	4.927	E	10	G			0.5	5	NORWEGIAN SEA. MD 1.6 (BER).
25	04	47	29.1&	35.809	N	117.616	W	9					145	CENTRAL CALIFORNIA. <PAS-P>. ML 4.9 (PAS), 5.3 (BRK). Mo=1.2*10**16 Nm (BRK). Felt strongly in the Ridgecrest area.
25	05	47	01.8&	35.804	N	117.619	W	9					53	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.2 (GS). Felt.
25	05	57	33.1&	61.660	N	147.981	W	29					99	SOUTHERN ALASKA. <AEIC>. ML 3.7 (AEIC), 3.8 (PMR). Felt at Palmer.
25	06	08	24.7	47.303	N	153.335	E	57	D	4.6		0.7	74	KURIL ISLANDS
25	06	30	10.5&	35.812	N	117.617	W	8					44	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.0 (GS). Felt.
25	07	14	41.6	44.335	N	10.277	E	10	G			0.9	11	NORTHERN ITALY. ML 2.8 (LDG), 2.8 (VIE).
25	07	23	42.4*	17.809	S	178.491	W	563	*	4.0		0.9	20	FIJI ISLANDS REGION
25	07	43	54.6*	47.157	N	6.644	E	10	G			0.3	8	FRANCE. ML 2.3 (LDG), 1.9 (STR).
25	07	47	45.0?	44.01	N	127.86	W	10	G	3.6		1.4	5	OFF COAST OF OREGON
25	07	58	20.4	43.966	N	128.285	W	10	G	4.0		1.1	69	OFF COAST OF OREGON
25	08	01	43.4*	44.015	N	128.596	W	10	G	4.3		1.3	21	OFF COAST OF OREGON
25	08	44	42.4*	6.187	S	150.497	E	45	?	4.1		1.0	15	NEW BRITAIN REGION, P.N.G.
25	08	55	04.5?	44.01	N	128.15	W	10	G	3.8		1.1	6	OFF COAST OF OREGON
25	08	58	44.1?	17.42	S	178.84	W	549	?	3.8		0.7	12	FIJI ISLANDS REGION
25	09	13	28.1	4.703	S	130.493	E	43	G	5.6	5.2	1.0	184	BANDA SEA. Mw 5.7 (GS), 5.7 (HRV). Depth from broadband displacement seismograms.
25	09	48	03.6	51.653	N	16.357	E	10	G			1.4	15	POLAND
25	10	07	07.0	6.131	S	146.666	E	53		3.6		0.5	11	EASTERN NEW GUINEA REG., P.N.G.
25	10	16	41.6&	34.158	S	70.844	W	80	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
25	10	33	20.6&	35.738	N	117.637	W	5					17	CENTRAL CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.4 (GS). Felt.

	25	10	40	14.1	22.998	N	102.509	W	10	G	4.1		1.2	20	CENTRAL MEXICO. Slight damage in the epicentral area. Felt at Fresnillo and Zacatecas.
	25	12	02	44.6	44.607	N	40.876	E	47	D	4.7	4.1	1.0	132	NORTHWESTERN CAUCASUS. Felt (V) at Cherkessk; (IV) at Armavir, Kavkazskaya, Maykop, Mineralnyye Vody, Nevinnomyssk, Otradnaya, Pyatigorsk, Stavropol and Uspenskoye; (III) at Sochi, Russia.
	25	12	16	21.3?	47.16	N	1.10	W	10	G			0.6	5	FRANCE. ML 2.3 (LDG).
	25	13	27	09.1*	12.546	N	47.374	E	10	G	4.4		0.8	17	EASTERN GULF OF ADEN
	25	13	31	09.4*	50.143	S	139.480	E	33	N	4.0		1.2	16	SOUTH OF AUSTRALIA
	25	13	49	04.4?	8.16	S	131.23	E	107	?	4.8		1.2	9	TANIMBAR ISLANDS REG., INDONESIA
	25	14	03	40.3*	6.051	S	146.581	E	39	*	3.5		0.9	13	EASTERN NEW GUINEA REG., P.N.G.
	25	15	09	09.7*	44.469	N	147.893	E	68	*	3.8		1.2	18	KURIL ISLANDS
	25	15	51	09.7*	25.406	N	142.981	E	10	G	4.3		0.7	15	VOLCANO ISLANDS REGION
	25	16	29	01.9?	47.83	N	8.53	E	10	G			0.8	5	SWITZERLAND. ML 2.5 (LDG), 2.1 (STR).
	25	16	32	27.7?	40.10	N	21.76	E	5	G			0.3	4	GREECE. ML 2.1 (THE).
	25	16	45	12.9	5.990	S	146.658	E	49		4.4		0.9	36	EASTERN NEW GUINEA REG., P.N.G.
	25	16	50	58.8	3.868	S	127.451	E	49	*	4.9		1.0	29	SERAM, INDONESIA
	25	17	02	13.3*	5.388	S	153.440	E	104	?	3.9		1.1	15	NEW IRELAND REGION, P.N.G.
	25	17	04	49.2	1.120	N	19.424	E	10	G	5.5		0.8	266	ZAIRE
	25	18	38	06.2?	34.07	S	70.34	W	110	G			0.7	7	CHILE-ARGENTINA BORDER REGION
	25	19	09	49.2	44.001	N	128.468	W	10	G	4.5		1.1	127	OFF COAST OF OREGON
	25	19	52	38.5	41.894	N	80.237	E	33	N	4.3	4.1	1.3	40	SOUTHERN XINJIANG, CHINA
	25	20	23	54.2	24.189	N	122.774	E	57		4.1		1.0	26	TAIWAN REGION
	25	20	30	47.1	28.269	S	67.614	W	145	*	4.3		1.2	35	LA RIOJA PROVINCE, ARGENTINA
	25	20	51	11.4&	61.500	N	147.372	W	27					90	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.4 (PMR).
	25	21	30	40.0?	5.32	S	146.85	E	179	*	4.1		0.9	6	EASTERN NEW GUINEA REG., P.N.G.
	25	21	33	45.3*	20.544	S	174.189	W	33	N	4.6	4.3	1.0	24	TONGA ISLANDS
	25	21	57	12.5	54.432	N	161.847	W	38	*	4.5		1.1	45	ALASKA PENINSULA
	25	22	00	00.1&	63.384	N	151.237	W	11					67	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.7 (PMR).
	25	22	11	57.0*	20.245	S	177.818	W	451	?	4.0		1.1	19	FIJI ISLANDS REGION
	25	22	33	07.6	38.318	N	21.051	E	5	G			1.3	13	GREECE. MD 3.1 (ATH). ML 2.9 (THE).
	25	23	13	19.3	39.672	N	20.542	E	5	G	3.8		1.1	56	GREECE-ALBANIA BORDER REGION. ML 3.9 (ATH), 3.8 (TIR), 3.6 (TTG), 3.4 (THE).
	25	23	44	24.6	51.563	N	6.929	E	10	G			0.5	10	GERMANY. ML 2.9 (LDG), 2.6 (DBN), 2.6 (STR).
	26	00	02	47.7*	6.054	S	146.591	E	46	*	3.5		0.6	9	EASTERN NEW GUINEA REG., P.N.G.
	26	00	18	44.7?	16.07	N	98.76	W	33	N			1.1	6	NEAR COAST OF GUERRERO, MEXICO
	26	00	22	36.9	44.984	N	115.919	W	5	G			0.9	10	WESTERN IDAHO. ML 3.3 (BUT).
	26	00	24	03.7%	32.788	S	70.865	W	80	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
	26	00	30	01.2	4.378	S	152.918	E	64		5.0		0.8	109	NEW BRITAIN REGION, P.N.G.
	26	00	58	09.1	43.272	N	20.905	E	10	G			0.8	54	NORTHWESTERN BALKAN REGION. ML 3.7 (THE), 3.4 (TIR), 3.4 (TTG), 3.3 (SKO). MD 3.6 (ATH).
	26	01	27	11.9	12.127	N	46.012	E	10	G	4.7	4.5	1.0	51	WESTERN GULF OF ADEN
	26	01	39	10.2	43.452	N	127.014	W	10	G	4.8	4.3	0.8	194	OFF COAST OF OREGON. ML 4.3 (BRK).
	26	01	44	42.1	46.175	N	2.713	E	10	G			0.2	14	FRANCE. ML 1.8 (LDG).
a	26	01	49	42.0	15.133	S	173.436	W	33	N	4.9	4.9	1.2	44	TONGA ISLANDS. Mw 5.4 (HRV).
	26	01	55	33.0?	40.15	N	21.63	E	5	G			0.4	4	GREECE. ML 2.2 (THE).
	26	02	19	35.2?	3.75	S	130.53	E	33	N	4.1		0.5	7	SERAM, INDONESIA
	26	02	22	43.0	6.853	N	72.984	W	168		3.8		1.1	17	NORTHERN COLOMBIA
	26	03	05	47.1&	48.929	N	129.274	W	10	G				10	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.2 (PGC).
a	26	04	39	05.2	41.791	N	81.589	E	33	N	5.3	4.6	0.8	269	SOUTHERN XINJIANG, CHINA. Mw 5.2 (HRV).
	26	04	51	31.3?	45.56	N	3.74	E	10	G			0.4	4	FRANCE. ML 0.9 (STR).
	26	04	55	14.2	51.392	N	176.597	W	50	G	4.1		1.0	33	ANDREANOF ISLANDS, ALEUTIAN IS.
	26	04	56	56.0	27.138	N	96.832	E	33	N	4.6		1.2	63	MYANMAR-INDIA BORDER REGION
	26	05	14	56.9&	58.389	N	152.157	W	37					51	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).
	26	06	22	01.7%	40.095	N	21.673	E	5	G			0.5	5	GREECE. ML 2.0 (THE).
	26	06	38	50.8*	56.081	S	143.249	W	10	G	4.8		1.3	17	PACIFIC-ANTARCTIC RIDGE
	26	06	43	13.9	2.973	N	77.754	W	85	*	4.5		1.2	46	NEAR WEST COAST OF COLOMBIA
a	26	07	14	37.4	41.819	N	143.334	E	33	N	5.8	5.6	0.8	487	HOKKAIDO, JAPAN REGION. Mw 5.9 (GS), 5.9 (HRV). Ms 5.2 (BRK). Felt (III JMA) at Hiroo and Urakawa. Depth from broadband displacement seismograms.
	26	08	10	59.0&	59.632	N	152.360	W	63					45	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	26	08	55	42.5?	20.64	S	67.52	W	226	?	3.3		0.5	8	SOUTHERN BOLIVIA
	26	09	33	11.4&	59.888	N	151.433	W	74					14	KENAI PENINSULA, ALASKA. <AEIC>.
	26	10	00	53.0	41.227	N	21.979	E	5	G			0.5	6	NORTHWESTERN BALKAN REGION. ML 2.0 (THE), 1.8 (SKO).
	26	10	11	32.2%	40.723	N	22.713	E	5	G			0.3	8	GREECE. ML 2.3 (THE).
	26	10	29	29.9&	37.464	N	118.829	W	9					30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.3 (BRK), 3.3 (GS).
	26	11	20	36.4*	17.841	N	67.229	W	10	G			0.6	10	MONA PASSAGE. MD 3.2 (MPR).
	26	11	45	15.0	35.452	N	140.151	E	63	D	4.6		1.1	96	NEAR EAST COAST OF HONSHU, JAPAN
	26	12	00	25.2	41.859	N	19.955	E	10	G			0.7	10	ALBANIA. ML 2.7 (TIR), 2.6 (TTG).
	26	12	53	51.2&	59.512	N	153.359	W	111					32	SOUTHERN ALASKA. <AEIC>.
	26	13	24	29.7*	20.815	S	68.687	W	163	*	3.9		1.4	16	CHILE-BOLIVIA BORDER REGION
	26	14	14	49.0%	32.773	S	71.744	W	10	G			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	26	14	16	56.2	41.206	N	21.957	E	5	G			0.7	10	NORTHWESTERN BALKAN REGION. ML 2.2 (THE), 1.8 (SKO).
	26	14	41	56.6&	63.639	N	147.590	W	67					62	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
	26	14	54	13.5%	44.518	N	6.815	E	5	G			0.4	8	FRANCE. ML 2.0 (GEN).
	26	14	56	15.8%	44.116	N	7.025	E	10	G			1.5	7	NORTHERN ITALY. ML 2.0 (GEN).
	26	14	58	09.5	38.040	N	30.195	E	20		4.8	4.4	1.0	219	TURKEY. ML 5.0 (ATH), 4.8 (THE). Some damage at Afyon.
	26	15	18	23.4	38.092	N	30.201	E	24		4.2		0.8	59	TURKEY. MD 4.3 (ATH).
	26	15	26	36.9&	63.243	N	151.236	W	12					52	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).
	26	15	26	38.8?	9.85	N	127.34	E	101	?	4.2		1.3	13	PHILIPPINE ISLANDS REGION
	26	15	27	00.5*	6.859	N	126.765	E	33	N	4.7		0.8	20	MINDANAO, PHILIPPINE ISLANDS
	26	15	41	44.5?	40.14	N	21.72	E	5	G			0.0	4	GREECE. ML 2.1 (THE).
	26	16	39	12.0	38.037	N	30.204	E	33	N	4.0		1.1	41	TURKEY. MD 4.1 (ATH).
	26	16	42	28.6*	5.670	S	103.858	E	85	*	3.9		0.5	10	SOUTHERN SUMATERA, INDONESIA
	26	16	53	33.7	44.248	S	168.484	E	10	G	4.4		1.3	22	SOUTH ISLAND, NEW ZEALAND
	26	17	28	33.3*	44.376	N	8.333	E	5	G			0.5	10	NORTHERN ITALY. ML 2.1 (LDG), 1.8 (STR).
	26	17	36	37.8*	36.019	N	3.927	E	10	G			1.0	19	NORTHERN ALGERIA. mbLg 3.7 (MDD).
a	26	17	45	38.7	48.254	N	153.032	E	137	D	5.4		0.7	346	KURIL ISLANDS. Mw 5.2 (HRV).
a	26	18	24	12.9	13.098	S	166.997	E	186	D	5.6		1.0	307	VANUATU ISLANDS. Mw 5.8 (HRV).
	26	18	31	52.6*	13.074	S	166.907	E	228	?	4.7		1.0	72	VANUATU ISLANDS
	26	18	55	07.6?	20.68	S	174.58	E	33	N	4.2		1.4	13	VANUATU ISLANDS REGION
	26	19	41	30.0*	15.992	S	174.112	W	99	*	4.7		1.1	29	TONGA ISLANDS

	26	20	03	58.0*	33.314	S	178.178	W	33	N	4.5	1.3	10	SOUTH OF KERMADEC ISLANDS
	26	20	47	42.7*	2.368	S	119.837	E	33	N	3.9	1.1	9	SULAWESI, INDONESIA
	26	20	56	44.9&	38.567	N	4.857	W	10	G		0.8	9	SPAIN. mbLg 2.5 (MDD).
	26	21	10	37.8	44.902	N	115.984	W	5	G		0.8	23	WESTERN IDAHO. ML 3.3 (GS), 3.4 (BUT).
	26	21	24	11.1*	31.670	N	104.940	E	33	N	4.3	0.8	11	SICHUAN, CHINA. ML 3.9 (BJI).
a	26	22	32	37.4	26.432	S	177.525	W	158	D	5.1	1.0	142	SOUTH OF FIJI ISLANDS. Mw 5.4 (HRV).
	26	22	45	45.1?	15.00	N	61.20	W	170	G		1.3	5	LEEWARD ISLANDS
	26	23	43	01.1	41.968	N	142.593	E	69		4.6	0.9	86	HOKKAIDO, JAPAN REGION
	27	00	19	11.7?	43.77	N	8.64	E	5	G		0.4	7	CORSICA. ML 2.1 (GEN).
	27	01	15	31.2	32.973	S	71.158	W	50	G		0.7	12	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
a	27	01	27	34.8	6.410	S	145.471	E	77		5.2	0.9	158	NEW GUINEA, PAPUA NEW GUINEA. Mw 5.3 (HRV).
	27	01	34	58.9	38.893	N	26.873	E	10	G		0.8	25	AEGEAN SEA. MD 3.8 (ATH). ML 3.4 (THE).
	27	01	49	32.4	40.133	N	21.641	E	5	G		0.5	7	GREECE. ML 2.3 (THE).
	27	01	54	44.5	5.997	S	146.731	E	49		4.2	1.0	26	EASTERN NEW GUINEA REG., P.N.G.
a	27	02	05	21.4	14.773	S	167.074	E	79	D	5.2	1.1	142	VANUATU ISLANDS. Mw 5.4 (HRV).
	27	02	05	23.6	26.423	N	128.872	E	33	N	4.9 5.0	1.1	108	RYUKYU ISLANDS
	27	02	11	31.6?	51.59	N	158.20	E	33	N	4.1	0.9	9	NEAR EAST COAST OF KAMCHATKA
	27	03	05	22.4?	61.22	N	3.56	E	10	G		0.1	4	NORWEGIAN SEA. MD 1.6 (BER).
	27	03	34	10.8	25.005	N	125.793	E	32	D	4.5	1.0	43	SOUTHWESTERN RYUKYU ISLANDS
	27	04	22	25.3&	63.465	N	149.380	W	102				72	CENTRAL ALASKA. <AEIC>.
	27	04	35	16.0&	6.186	S	146.672	E	33	N		0.3	5	EASTERN NEW GUINEA REG., P.N.G.
	27	04	51	36.9	53.611	N	163.267	W	33	N	4.6	1.2	52	UNIMAK ISLAND REGION. ML 3.8 (PMR).
	27	04	56	25.3&	59.810	N	151.973	W	70				106	KENAI PENINSULA, ALASKA. <AEIC>.
	27	04	57	33.5*	8.183	S	119.987	E	33	N	4.3	0.3	9	FLORES REGION, INDONESIA
	27	05	25	50.2?	38.19	N	20.65	E	5	G		0.9	4	GREECE. MD 2.7 (ATH).
	27	05	53	26.2*	2.909	S	142.081	E	29	*	4.4	1.1	23	NEAR N COAST OF NEW GUINEA, PNG.
	27	06	07	03.0?	31.24	S	69.59	W	150	G		0.4	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (SAN).
	27	06	12	45.5&	15.921	N	98.593	W	33	N		1.4	5	OFF COAST OF GUERRERO, MEXICO
	27	06	22	15.0&	40.765	N	22.930	E	10	G		0.4	7	GREECE. ML 1.9 (THE).
	27	07	05	20.0&	33.932	S	71.357	W	50	G		0.2	8	NEAR COAST OF CENTRAL CHILE
	27	08	12	37.2?	11.48	S	161.26	E	69	?	4.0	0.6	10	SOLOMON ISLANDS
	27	08	21	45.9	11.388	S	77.602	W	56	D	4.6	0.9	57	NEAR COAST OF PERU. Felt (IV) at Chancay, Huacho, Huaral and Lima; (III) at Barranca, Canta, Mala and Matucana; (II) at Huarmey, San Mateo and San Vicente de Canete.
	27	08	49	51.7&	43.782	N	7.637	E	5	G		0.3	6	NEAR SOUTH COAST OF FRANCE. ML 1.8 (GEN).
	27	11	29	14.4&	32.982	S	70.719	W	80	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	27	12	05	22.0	74.513	N	8.665	E	10	G	4.0	1.3	20	GREENLAND SEA
	27	12	38	50.1?	36.00	S	71.64	W	150	G		0.3	10	CENTRAL CHILE. MD 3.4 (SAN).
	27	12	56	25.1?	33.93	S	70.36	W	110	G		0.1	7	CHILE-ARGENTINA BORDER REGION
	27	13	25	43.0&	32.811	S	71.690	W	50	G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
	27	14	15	54.4	38.059	N	30.203	E	18		4.8 4.5	1.0	221	TURKEY. ML 5.0 (ATH), 4.5 (CSS).
	27	14	17	08.6?	58.15	N	6.39	E	10	G		1.5	5	SOUTHERN NORWAY. MD 2.0 (BER).
	27	14	23	56.2&	45.072	N	7.169	E	5	G		0.8	10	NORTHERN ITALY. ML 2.3 (GEN).
	27	14	50	51.0&	34.257	N	116.438	W	3				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.7 (GS). Felt.
	27	15	37	54.0?	42.01	N	24.73	E	10	G		0.8	7	BULGARIA. ML 2.6 (THE).
	27	16	44	42.3&	36.577	N	121.175	W	9		4.2		129	CENTRAL CALIFORNIA. <GM-P>. MD 4.1 (GM). ML 4.2 (BRK), 4.2 (GS). Felt (IV) at Greenfield, Paicines and Soledad. Felt in the Hollister and Salinas areas. Also felt at Monterey.
	27	17	03	53.2*	32.364	N	141.543	E	40	?	4.1	0.7	15	SOUTH OF HONSHU, JAPAN
	27	17	53	32.0&	37.045	N	3.795	W	10	G		1.3	5	SPAIN. mbLg 2.2 (MDD).
	27	17	54	03.1	6.374	S	154.526	E	68	*	4.5	0.8	30	SOLOMON ISLANDS
	27	18	16	15.3?	54.43	N	163.79	W	33	N	4.1	0.9	12	UNIMAK ISLAND REGION
	27	18	36	36.5?	38.04	N	3.33	W	10	G		0.3	4	SPAIN. mbLg 2.6 (MDD).
	27	18	48	48.8*	5.941	S	103.296	E	33	N	3.4	1.2	6	SOUTHERN SUMATERA, INDONESIA
	27	18	51	32.6&	34.291	S	70.601	W	100	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
	27	18	57	27.3	51.650	N	16.142	E	10	G		0.8	10	POLAND
	27	19	16	53.3?	4.18	S	153.45	E	311	?	4.2	0.8	19	NEW IRELAND REGION, P.N.G.
	27	21	19	27.4&	45.521	N	111.893	W	5				15	MONTANA. <BUT-P>. ML 3.4 (BUT). Felt at Sheridan and Virginia City.
	27	21	39	46.6&	33.791	S	70.807	W	80	G		0.3	7	CHILE-ARGENTINA BORDER REGION
	27	23	01	21.6&	42.146	N	19.212	E	10	G		0.5	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	27	23	51	34.9?	14.16	S	167.30	E	33	N	4.0	1.2	6	VANUATU ISLANDS
	28	00	06	01.0	11.781	N	125.775	E	33	N	4.7 4.5	0.8	43	SAMAR, PHILIPPINE ISLANDS
	28	00	11	00.1	27.842	N	139.691	E	486	*	4.2	0.8	45	BONIN ISLANDS REGION
	28	00	25	29.8&	35.767	N	117.643	W	11				50	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.1 (GS). Felt at Ridgecrest.
	28	01	16	02.0	36.603	N	29.356	E	31		4.2	1.1	94	TURKEY. ML 4.3 (ATH), 4.3 (THE), 4.0 (CSS).
	28	01	23	53.0	41.460	N	20.395	E	10	G		1.0	14	ALBANIA. ML 2.3 (TTG), 1.9 (SKO).
	28	01	48	49.3*	21.963	S	147.635	E	10	G		0.8	7	QUEENSLAND, AUSTRALIA
	28	03	18	41.1*	11.653	N	125.542	E	45	?	4.1	1.1	10	SAMAR, PHILIPPINE ISLANDS
	28	03	56	31.2?	37.02	N	3.70	W	10	G		0.2	4	SPAIN. mbLg 2.3 (MDD).
	28	04	26	04.2	41.439	N	20.344	E	10	G		0.9	14	ALBANIA. ML 2.2 (TTG), 2.0 (SKO).
	28	04	40	14.3?	44.43	N	17.76	E	10	G		1.2	6	NORTHWESTERN BALKAN REGION
	28	04	51	02.8?	13.67	N	90.46	W	33	N	3.9	1.3	17	NEAR COAST OF GUATEMALA
	28	05	18	32.2?	10.08	S	124.76	E	33	N		1.1	7	TIMOR REGION, INDONESIA
	28	06	17	29.4	38.179	N	21.922	E	64		4.6	1.1	210	GREECE. MD 4.6 (TTG).
	28	06	37	55.6*	33.872	S	179.524	W	33	N	4.6	0.6	11	SOUTH OF KERMADEC ISLANDS
	28	08	32	33.2	44.565	N	80.202	E	23	D	4.8	1.1	77	KAZAKHSTAN-XINJIANG BORDER REG. Felt (IV) at Taldy-Kurgan and (III) at Almaty, Kazakhstan.
	28	08	58	47.8	40.484	N	21.832	E	5	G		0.4	7	GREECE. ML 2.2 (THE).
	28	09	16	47.1&	38.605	N	118.886	W	25				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
	28	09	35	05.2&	35.733	N	117.627	W	5				66	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.7 (GS).
	28	09	44	39.0*	4.228	N	74.039	W	46	*		1.4	13	COLOMBIA
	28	09	48	49.2&	40.417	N	23.278	E	5	G		0.5	7	GREECE. ML 1.7 (THE).
	28	09	58	12.1*	45.120	N	16.806	E	10	G		0.7	6	NORTHWESTERN BALKAN REGION. MD 2.8 (LJU).
	28	10	03	50.2?	32.40	S	71.89	W	33	N		0.9	11	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	28	11	36	28.3&	35.810	N	117.640	W	4				67	CENTRAL CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.7 (GS).
	28	11	57	46.6	14.294	N	92.574	W	53		4.7	0.8	81	NEAR COAST OF CHIAPAS, MEXICO
	28	12	13	59.0	40.118	N	21.598	E	10	G		0.6	14	GREECE. MD 3.2 (ATH). ML 2.8 (THE).
	28	13	09	53.7?	47.53	N	3.97	W	5	G		0.5	8	FRANCE. ML 2.9 (LDG).

	28	13	26	45.9	38.667	N	30.829	E	33	N	4.1	0.8	19	TURKEY
	28	13	42	05.5*	6.135	S	146.408	E	10	G	3.2	1.2	5	EASTERN NEW GUINEA REG., P.N.G.
	28	14	52	23.1*	41.061	N	20.188	E	10	G		1.0	14	ALBANIA. ML 2.9 (TTG).
	28	15	02	52.9	36.961	N	3.746	W	10	G		0.9	22	STRAIT OF GIBRALTAR. mbLg 3.5 (MDD). MD 3.3 (SFS). Felt (III) in the Jayena area, Spain.
	28	15	06	54.2&	36.994	N	3.756	W	10	G		0.3	5	STRAIT OF GIBRALTAR. mbLg 1.9 (MDD).
	28	15	11	12.1?	32.62	S	70.86	W	68	?		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	28	15	24	55.1*	19.001	S	70.545	W	94	?	4.3	1.4	16	NEAR COAST OF NORTHERN CHILE
	28	15	40	22.4&	59.668	N	152.911	W	106				40	SOUTHERN ALASKA. <AEIC>.
	28	16	07	31.5?	30.73	S	117.10	E	10	G		1.0	4	WESTERN AUSTRALIA
	28	16	35	28.2?	33.58	S	70.33	W	102	?		0.2	8	CHILE-ARGENTINA BORDER REGION
	28	16	56	31.7	47.208	N	0.532	W	13			0.8	25	FRANCE. ML 3.6 (LDG).
	28	17	41	34.4*	50.302	N	18.878	E	10	G		0.9	5	POLAND. MG 2.7 (WAR).
	28	17	58	02.2*	23.527	N	120.897	E	10	G	3.4	1.2	7	TAIWAN. Felt at Chia-i.
	28	18	02	20.7&	40.205	N	21.751	E	5	G		0.9	5	GREECE. ML 2.1 (THE).
	28	18	48	16.0	42.177	N	20.687	E	10	G		1.0	12	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).
	28	18	52	10.9	39.229	N	25.386	E	10	G		0.6	17	AEGEAN SEA. ML 3.5 (ATH), 3.5 (THE).
	28	20	37	20.4	43.195	N	146.968	E	32	D	4.6	1.1	65	KURIL ISLANDS
	28	20	41	49.3&	33.792	S	71.573	W	27			0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	28	23	19	24.9?	16.17	N	99.06	W	33	N		1.2	5	NEAR COAST OF GUERRERO, MEXICO
	28	23	42	32.3&	35.743	N	117.640	W	5				28	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.8 (GS).
a	28	23	44	41.7	42.625	N	18.162	E	10	G	5.3 5.1	1.2	330	NORTHWESTERN BALKAN REGION. Mw 5.2 (HRV). MD 5.1 (TTG), 5.1 (TRI). ML 5.0 (THE), 4.9 (LJU), 4.8 (TIR). Minor damage in the Dubrovnik area, Croatia. Felt (VI) at Budva, Cetinje, Herceg-Novi, Kotor, Niksic, Podgorica and Tivat, Yugoslavia. Also felt at Beograd and Nis, Yugoslavia.
	29	00	01	17.6	42.644	N	18.245	E	10	G		0.5	10	NORTHWESTERN BALKAN REGION. MD 2.6 (TTG).
	29	00	18	51.5&	42.649	N	18.201	E	10	G		0.5	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	29	00	20	42.0	42.622	N	18.250	E	10	G		0.4	10	NORTHWESTERN BALKAN REGION. ML 2.9 (TTG).
	29	00	30	51.2&	38.231	N	22.759	E	10	G		1.4	5	GREECE. ML 2.6 (ATH).
	29	01	11	50.6	42.642	N	18.239	E	10	G		0.8	11	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).
	29	01	26	49.4?	42.67	N	17.87	E	10	G		0.4	5	ADRIATIC SEA. ML 1.5 (TTG).
	29	02	18	38.4	42.293	N	19.428	E	10	G		1.0	49	NORTHWESTERN BALKAN REGION. ML 3.6 (TTG), 3.3 (TIR).
	29	02	57	27.5&	42.666	N	18.263	E	10	G		0.3	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	29	03	17	19.7?	40.87	N	22.94	E	10	G		0.3	4	GREECE. ML 1.5 (THE).
	29	03	20	02.6&	35.744	N	117.641	W	6				27	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	29	03	40	25.5&	36.341	N	120.353	W	5				32	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM). ML 2.7 (PAS), 2.7 (GS).
a	29	04	09	23.6	20.884	S	174.147	W	33	N	4.9 5.2	1.1	73	TONGA ISLANDS. Mw 5.5 (HRV).
	29	04	44	27.8*	11.245	N	125.629	E	33	N	4.3	1.0	24	SAMAR, PHILIPPINE ISLANDS
	29	05	38	38.2?	42.64	N	18.25	E	10	G		0.4	6	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	29	06	06	28.9*	24.004	S	179.893	E	556	?	4.6	0.9	37	SOUTH OF FIJI ISLANDS
	29	06	53	30.0	41.948	N	21.601	E	10	G		0.9	22	NORTHWESTERN BALKAN REGION. ML 3.5 (SKO), 3.1 (TTG), 3.1 (TIR).
	29	08	17	32.4	39.720	N	20.578	E	5	G		1.5	13	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH). ML 3.2 (THE), 3.0 (TIR).
	29	09	07	03.4?	42.01	N	22.67	E	10	G		0.8	5	BULGARIA. ML 2.8 (THE).
	29	09	22	52.1&	36.639	N	121.248	W	6				50	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.7 (GS).
	29	09	34	05.1&	37.055	N	4.235	W	10	G		1.1	6	SPAIN. mbLg 2.4 (MDD).
	29	09	47	54.5?	26.77	N	91.60	E	33	N	4.4	1.3	11	NORTHEASTERN INDIA
	29	09	53	16.6	42.646	N	18.230	E	10	G		0.3	8	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	29	09	56	00.2	5.357	S	146.992	E	177		4.4	0.8	24	EASTERN NEW GUINEA REG., P.N.G.
	29	10	20	05.1?	13.78	N	90.53	W	89	?	4.2	1.2	18	NEAR COAST OF GUATEMALA
	29	10	47	28.2?	15.06	S	167.32	E	150	?	4.0	0.9	16	VANUATU ISLANDS
	29	11	12	16.5*	35.963	N	5.357	E	10	G	3.8	1.0	28	NORTHERN ALGERIA. mbLg 4.0 (MDD).
	29	12	18	42.1&	42.653	N	18.267	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	29	12	31	57.8	50.451	N	18.956	E	10	G		1.4	13	POLAND. MG 3.1 (WAR).
	29	13	13	10.0*	38.872	N	8.133	W	10	G		0.9	5	PORTUGAL
	29	13	29	24.3*	56.066	S	24.158	W	33	N	4.4	1.1	21	SOUTH SANDWICH ISLANDS REGION
a	29	13	32	39.4*	35.864	S	103.402	W	10	G	4.7 5.2	1.4	47	SOUTHERN PACIFIC OCEAN. Mw 5.4 (HRV).
	29	13	39	44.7?	42.20	N	8.09	W	10	G		1.0	4	SPAIN. mbLg 3.5 (MDD).
	29	14	02	45.0*	38.384	N	21.997	E	5	G		0.2	5	GREECE. MD 2.9 (ATH). ML 2.7 (THE).
	29	14	11	13.9&	33.347	S	71.271	W	50	G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	29	14	44	11.2?	44.28	N	7.28	E	33	N		0.3	4	NORTHERN ITALY. ML 1.8 (GEN).
	29	14	46	24.9&	42.653	N	18.169	E	10	G		0.3	8	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	29	14	51	57.1?	42.64	N	18.14	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
	29	15	25	08.9*	22.962	N	143.099	E	54	?	4.5	1.2	20	VOLCANO ISLANDS REGION
	29	16	16	23.7	41.844	N	20.744	E	10	G		0.9	8	ALBANIA. ML 2.2 (TTG).
	29	16	34	05.8?	44.42	N	7.93	E	10	G		1.0	8	NORTHERN ITALY. ML 2.3 (LDG), 2.0 (STR).
	29	16	50	25.1*	32.748	N	40.234	W	10	G	4.5	1.0	24	NORTHERN MID-ATLANTIC RIDGE
	29	17	31	13.4&	33.183	S	70.845	W	60	G		1.1	7	CHILE-ARGENTINA BORDER REGION
	29	17	59	29.6	42.313	N	2.117	E	10	G		0.9	10	PYRENEES. ML 3.0 (LDG).
	29	18	41	59.9*	3.208	S	130.337	E	95	?	4.3	1.2	10	SERAM, INDONESIA
	29	19	19	29.7*	8.493	S	128.430	E	33	N	4.3	0.7	9	TIMOR SEA
	29	20	12	40.4*	51.130	N	15.856	E	10	G		1.4	10	POLAND. ML 2.6 (MOX), 2.5 (CLL).
	29	20	16	33.4*	16.628	S	71.117	W	115	D	4.2	1.2	11	SOUTHERN PERU
	29	20	50	19.1?	14.90	N	60.35	W	50	G		0.2	6	WINDWARD ISLANDS
	29	20	55	05.1?	39.13	N	21.29	E	33	N		0.9	4	GREECE. MD 2.9 (ATH).
	29	21	40	43.3?	42.64	N	18.28	E	10	G		0.2	6	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	29	21	57	23.2?	1.90	S	150.41	E	10	G	4.2	1.3	10	NEW IRELAND REGION, P.N.G.
	29	22	08	20.6*	4.768	S	102.850	E	56	?	4.6	1.0	32	SOUTHERN SUMATERA, INDONESIA
	29	22	35	36.0?	24.17	N	144.66	E	33	N	4.2	0.9	8	VOLCANO ISLANDS REGION
	29	22	48	57.5?	32.52	N	143.40	E	10	G	4.3	1.4	6	SOUTH OF HONSHU, JAPAN
	29	22	59	11.5&	65.949	N	147.576	W	32				21	NORTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
	29	23	43	28.9	24.289	N	125.414	E	27	D	4.3	1.0	41	SOUTHWESTERN RYUKYU ISLANDS
	30	00	11	28.3*	34.901	N	139.208	E	24	*	4.1	1.1	12	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Ajiro.
	30	00	39	37.6	6.200	S	153.916	E	33	N	4.9 4.4	0.9	54	NEW BRITAIN REGION, P.N.G.
	30	00	56	42.5	51.560	N	7.736	E	10	G		0.4	10	GERMANY. ML 2.2 (UCC).
	30	01	07	03.7	2.981	S	137.036	E	67	*	4.9	0.7	56	IRIAN JAYA, INDONESIA
	30	01	24	14.5?	19.49	S	178.08	W	649	?	4.3	0.6	15	FIJI ISLANDS REGION
	30	01	29	28.8?	50.39	N	19.06	E	10	G		0.8	5	POLAND. MG 3.0 (WAR).

	30	01	58	57.6	34.820	N	139.268	E	31	3.6	0.8	11	NEAR S. COAST OF HONSHU, JAPAN
	30	02	41	46.3&	61.555	N	149.915	W	37			52	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	30	03	40	30.2*	6.661	S	147.540	E	74	4.2	0.8	13	EASTERN NEW GUINEA REG., P.N.G.
	30	04	04	06.2?	42.65	N	18.09	E	10 G		0.5	7	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	30	04	27	41.0*	51.174	N	15.917	E	10 G		1.2	7	POLAND. ML 2.6 (MOX).
	30	04	41	58.8	18.605	N	145.696	E	177 D	4.4	1.0	39	MARIANA ISLANDS
	30	05	06	36.9&	63.050	N	150.389	W	94	2.8		108	CENTRAL ALASKA. <AEIC>.
	30	05	29	54.1?	34.76	S	70.59	W	110 G		0.8	8	CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
	30	05	31	33.8?	42.65	N	18.15	E	10 G		0.5	5	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	30	05	41	50.5	37.067	N	71.830	E	130 D	4.2	0.9	35	AFGHANISTAN-TAJIKISTAN BORD REG.
	30	06	19	25.7&	36.962	N	3.929	W	10 G		0.9	10	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
	30	06	27	59.5&	37.528	N	118.800	W	13			38	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK), 3.0 (GS).
	30	06	31	21.5?	5 82	S	128.59	E	33 N	3.8	0.8	8	BANDA SEA
	30	06	41	50.9*	13.160	S	166.442	E	88 *	4.5	1.2	26	VANUATU ISLANDS
	30	07	38	23.4	14.582	N	93.255	W	53 *	4.6	1.2	69	NEAR COAST OF CHIAPAS, MEXICO
	30	07	43	37.9*	34.915	N	139.204	E	10 G		0.9	6	NEAR S. COAST OF HONSHU, JAPAN
	30	07	54	52.6&	42.651	N	18.308	E	10 G		0.3	5	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	30	08	02	34.6	42.631	N	18.358	E	10 G		0.6	8	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	30	08	29	42.2*	16.021	S	177.893	W	414	4.1	1.1	22	FIJI ISLANDS REGION
	30	08	58	34.2*	4.753	S	122.863	E	33 N	4.2	1.2	13	SULAWESI, INDONESIA
	30	10	02	21.2*	41.339	N	20.019	E	10 G		1.0	9	ALBANIA. ML 2.9 (TTG).
	30	10	02	54.9&	34.307	S	70.627	W	100 G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	30	10	13	30.4	38.866	N	23.618	E	33 N		0.4	8	GREECE. ML 3.3 (ATH).
a	30	10	14	32.5	41.874	N	15.892	E	25 D	5.2 5.2	1.2	351	SOUTHERN ITALY. Mw 5.2 (HRV). MD 5.2 (TRI), 5.1 (TTG). ML 4.9 (LDG), 4.8 (LJU), 4.8 (ROM).
a	30	10	47	58.1	50.829	N	157.341	E	45 D	5.7 5.6	0.9	467	KURIL ISLANDS. Mw 6.0 (HRV). Ms 5.2 (BRK). Mo=3.3*10**18 Nm (OBN). Felt (V) at Severo-Kurilsk.
	30	11	42	57.5	43.149	N	18.034	E	10 G		0.6	11	NORTHWESTERN BALKAN REGION. ML 3.1 (TTG).
	30	12	13	28.2&	36.111	N	3.106	W	10 G		1.3	13	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
	30	12	40	04.2?	34.49	S	70.73	W	100 G		0.5	9	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	30	12	46	38.1&	34.937	N	116.763	W	1			43	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.3 (GS). Felt at Barstow.
	30	13	17	17.2*	37.724	S	178.895	E	33 N	4.4	1.0	18	OFF E. COAST OF N. ISLAND, N.Z.
	30	13	17	55.8&	36.673	N	21.624	E	5 G		1.2	6	SOUTHERN GREECE. MD 3.1 (ATH).
a	30	13	56	35.5	51.892	N	142.983	E	33 N	5.0 4.7	0.8	206	SAKHALIN ISLAND. Mw 5.5 (HRV). Felt (V) at Nogliki and (III) at Nysh.
	30	15	14	33.7?	13.17	S	169.88	E	653 ?	4.0	0.5	11	VANUATU ISLANDS REGION
	30	15	47	32.6&	32.275	S	70.158	W	120 G		0.3	12	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	30	16	22	20.1	26.935	N	140.435	E	349 *	4.2	0.8	52	BONIN ISLANDS REGION
	30	16	36	59.4*	30.243	N	86.056	E	33 N	4.0	1.4	8	XIZANG
	30	16	47	52.1	41.894	N	15.911	E	33 N		1.2	32	SOUTHERN ITALY. ML 3.4 (LDG), 3.2 (ROM).
	30	18	18	59.6	45.846	N	150.889	E	73 *	3.9	1.0	17	KURIL ISLANDS
	30	18	30	20.0*	14.041	S	94.885	E	10 G	4.1 4.3	1.3	21	SOUTH INDIAN OCEAN
	30	18	57	27.4?	31.04	S	68.60	W	100 G		1.1	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
	30	19	08	10.0*	6.638	S	147.220	E	87 *	4.1	1.5	14	EASTERN NEW GUINEA REG., P.N.G.
	30	20	10	19.4&	48.843	N	128.575	W	10 G			9	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.4 (PGC).
	30	20	46	05.9	13.826	S	34.407	E	33 N	4.6	1.0	43	MALAWI
	30	21	39	57.1?	42.63	N	18.15	E	10 G		0.4	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	30	22	21	54.6?	42.30	N	17.30	E	10 G		0.4	9	ADRIATIC SEA. ML 2.7 (TTG).
	30	22	26	41.5?	41.73	N	15.76	E	10 G	3.5	1.5	9	SOUTHERN ITALY
	30	22	27	24.5	36.533	N	141.016	E	60 *	4.1	1.1	21	NEAR EAST COAST OF HONSHU, JAPAN
	30	22	50	29.1*	36.323	S	142.861	E	10 G		1.2	5	VICTORIA, AUSTRALIA

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

01 05 18 04.04 13.614S 74.886W 109km
5.1mb (72 obs.)
CENTRAL PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 41S, 45C
Centroid Location:
Origin Time 05:18:12.6 0.4
Lat 13.07S 0.04 Lon 74.89W 0.03
Dep 105.1 2.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.66	2	270
N	0.24	16	1
P	-7.90	74	175

Best Double Couple:Mo=7.8*10**16
NP1:Strike=344 Dip=46 Slip=-113
NP2: 196 49 -68

01 06 30 35.70 0.042N 123.235E 144km
5.6mb (93 obs.)
MINAHASSA PENINSULA, SULAWESI
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 70S,146C
Centroid Location:
Origin Time 06:30:39.2 0.1
Lat 0.12N 0.01 Lon 123.19E 0.02
Dep 137.9 0.7 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	8.07	69	160
N	0.53	3	258
P	-8.60	20	350

Best Double Couple:Mo=8.3*10**17
NP1:Strike= 85 Dip=25 Slip= 98
NP2: 257 66 86

01 18 25 48.32 21.212S 174.627W 31km
4.9mb (23 obs.) 4.8Msz (5 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 26S, 44C
Centroid Location:
Origin Time 18:25:48.3 0.7
Lat 21.53S 0.07 Lon 173.63W 0.07
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.61	69	300
N	0.10	1	206
P	-6.71	21	116

Best Double Couple:Mo=6.7*10**16
NP1:Strike=203 Dip=24 Slip= 87
NP2: 27 66 91

03 16 05 25.99 1.007N 101.332W 10km
5.1mb (43 obs.) 5.0Msz (1 obs.)
EAST CENTRAL PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 51S, 73C
Centroid Location:
Origin Time 16:05:31.7 0.2
Lat 1.43N 0.03 Lon 101.43W 0.03
Dep 15.0 BDY Half-duration 1.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.42	5	76
N	-0.04	17	168
P	-1.38	72	330

Best Double Couple:Mo=1.4*10**17
NP1:Strike=147 Dip=43 Slip=-116
NP2: 1 53 -68

04 04 19 51.86 15.152S 167.415E 124km
5.4mb (55 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 18S, 20C
Centroid Location:
Origin Time 04:19:52.0 0.8
Lat 15.50S 0.07 Lon 167.41E 0.08
Dep 133.8 2.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.09	87	139
N	-0.77	3	319
P	-5.32	0	49

Best Double Couple:Mo=5.7*10**16
NP1:Strike=142 Dip=45 Slip= 94
NP2: 316 45 86

06 08 27 34.15 16.422S 172.891W 33km
5.2mb (35 obs.) 4.9Msz (41 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 40S, 65C
Centroid Location:
Origin Time 08:27:37.4 0.5
Lat 16.27S 0.06 Lon 173.52W 0.06
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.69	41	286

N -0.44 2 18
P -2.25 49 110
Best Double Couple:Mo=2.5*10**17
NP1:Strike=351 Dip= 4 Slip=-116
NP2: 198 86 -88

06 19 08 27.37 25.661S 13.741W 10km
4.7mb (33 obs.) 4.7Msz (39 obs.)
SOUTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 46S, 67C
Centroid Location:
Origin Time 19:08:32.7 0.3
Lat 25.89S 0.04 Lon 13.57W 0.04
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 11.03 Plg=16 Azm=300
N -1.59 72 145
P -9.45 7 32
Best Double Couple:Mo=1.0*10**17
NP1:Strike= 77 Dip=73 Slip= 7
NP2: 345 84 163

06 22 48 49.60 14.943N 94.253W 12km
5.8mb (88 obs.) 5.6Msz (65 obs.)
OFF COAST OF CHIAPAS, MEXICO
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=140 Dip=75 Slip= 90
NP2: 320 15 90
Principal Axes:
T Plg=60 Azm= 50
P 30 230
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 5.3±1.6*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 3 No. of sta: 32
Principal Axes:
Scale 10**18 Nm
T Val= 10.95 Plg=52 Azm= 9
N -1.94 21 128
P -9.01 30 231
Best Double Couple:Mo=1.0*10**18
NP1:Strike= 5 Dip=24 Slip= 150
NP2: 124 78 69
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 64S,132C
Centroid Location:
Origin Time 22:48:54.4 0.2
Lat 15.04N 0.02 Lon 94.43W 0.02
Dep 18.3 0.9 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.13 Plg=64 Azm= 39
N -0.32 2 304
P -5.81 26 213
Best Double Couple:Mo=6.0*10**17
NP1:Strike=297 Dip=19 Slip= 82
NP2: 125 71 93

07 13 16 44.91 38.973N 144.408E 33km
5.2mb (90 obs.) 4.6Msz (34 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 31S, 49C
Centroid Location:
Origin Time 13:16:44.2 0.4
Lat 39.18N 0.04 Lon 144.28E 0.06
Dep 26.8 2.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.11 Plg= 8 Azm=349
N 1.52 11 81
P -7.63 76 223
Best Double Couple:Mo=6.9*10**16
NP1:Strike= 66 Dip=38 Slip=-108
NP2: 269 54 -76

07 13 39 28.74 22.200S 170.357E 94km
5.0mb (25 obs.) 5.0Msz (33 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 35S, 49C
Centroid Location:
Origin Time 13:39:23.2 0.6
Lat 22.62S 0.07 Lon 170.37E 0.05
Dep 30.8 3.0 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 10.92 Plg=65 Azm=340
N -0.99 18 115
P -9.93 17 210
Best Double Couple:Mo=1.0*10**17
NP1:Strike=325 Dip=33 Slip= 125
NP2: 105 64 70

08 00 27 48.89 56.202S 122.267W 10km
4.8mb (18 obs.) 5.7Msz (46 obs.)
SOUTHERN EAST PACIFIC RISE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=275 Dip=87 Slip= 0
NP2: 5 90 183
Principal Axes:
T Plg= 2 Azm=140
P 2 230
Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 13 No. of sta: 4
Principal Axes:
Scale 10**17 Nm
T Val= 5.52 Plg= 6 Azm=142
N 1.75 83 286
P -7.27 4 52
Best Double Couple:Mo=6.4*10**17
NP1:Strike=187 Dip=83 Slip= 179
NP2: 277 89 7
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 73S,150C
Centroid Location:
Origin Time 00:27:57.0 0.1
Lat 56.33S 0.02 Lon 122.34W 0.02
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 8.19 Plg= 3 Azm=148
N -0.44 83 36
P -7.75 7 238
Best Double Couple:Mo=8.0*10**17
NP1:Strike=283 Dip=83 Slip= -3
NP2: 13 87 -173

08 01 15 28.29 56.222S 122.419W 10km
5.2mb (28 obs.) 6.3Msz (60 obs.)
SOUTHERN EAST PACIFIC RISE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=277 Dip=84 Slip= -1
NP2: 7 89 -174
Principal Axes:
T Plg= 4 Azm=142
P 5 232
Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 14
Principal Axes:
Scale 10**18 Nm
T Val= 3.03 Plg= 5 Azm=161
N -0.28 85 4
P -2.75 2 251
Best Double Couple:Mo=2.9*10**18
NP1:Strike=296 Dip=85 Slip= 2
NP2: 206 88 175
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 77S,186C M.W.: 69S,142C
Centroid Location:
Origin Time 01:15:37.1 0.1
Lat 56.15S 0.01 Lon 122.69W 0.01
Dep 15.0 FIX Half-duration 3.6
Principal Axes:
Scale 10**18 Nm
T Val= 3.80 Plg= 6 Azm=151
N -0.36 81 19
P -3.44 7 242
Best Double Couple:Mo=3.6*10**18
NP1:Strike=287 Dip=81 Slip= 0
NP2: 17 90 -171

08 16 03 37.58 9.126S 67.322E 10km
5.0mb (49 obs.) 4.8Msz (17 obs.)
MID-INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 50S, 96C
Centroid Location:
Origin Time 16:03:42.3 0.3
Lat 9.21S 0.02 Lon 66.95E 0.02
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.83 Plg=13 Azm= 96
N -0.40 75 248
P -2.43 7 5
Best Double Couple:Mo=2.6*10**17
NP1:Strike=140 Dip=76 Slip= 175
NP2: 231 86 14

08 17 12 41.06 22.856S 172.851E 33km
4.4mb (7 obs.) 4.8Msz (2 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 25S, 45C
Centroid Location:
Origin Time 17:12:43.3 1.3
Lat 22.99S 0.08 Lon 172.89E 0.09
Dep 38.6 2.7 Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 0.88 Plg=86 Azm= 67
N 0.22 4 263
P -1.10 1 173
Best Double Couple:Mo=1.0*10**17
NP1:Strike=259 Dip=44 Slip= 84
NP2: 87 46 96

08 17 25 47.12 14.873N 94.261W 18km
5.6mb (113 obs.) 5.0Msz (47 obs.)
OFF COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 19S, 25C
Centroid Location:
Origin Time 17:25:48.7 0.5
Lat 15.37N 0.10 Lon 94.66W 0.09
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 8.75 Plg= 4 Azm= 49
N 3.62 34 141
P -12.37 56 313
Best Double Couple:Mo=1.1*10**17
NP1:Strike=108 Dip=51 Slip=-136
NP2: 347 57 -49

09 12 08 07.97 49.292N 155.740E 36km
5.4mb (116 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 24S, 31C
Centroid Location:
Origin Time 12:08:12.7 0.6
Lat 49.50N 0.10 Lon 155.63E 0.11
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.14 Plg=45 Azm=268
N 0.11 8 170
P -1.24 44 72
Best Double Couple:Mo=1.2*10**17
NP1:Strike= 85 Dip= 8 Slip= 5
NP2: 350 89 98

09 20 58 40.46 20.135S 69.323W 75km
5.6mb (93 obs.) 4.9Msz (45 obs.)
NORTHERN CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=335 Dip=80 Slip= -90
NP2: 155 10 -90
Principal Axes:
T Plg=35 Azm= 65
P 55 245
Comment: The focal mechanism is moderately well controlled and corresponds to down-dip tension. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION

Dep 80 No. of sta: 31
Principal Axes:
Scale 10**17 Nm
T Val= 6.07 Plg=38 Azm= 56
N -0.13 12 155
P -5.93 50 260
Best Double Couple:Mo=6.0*10**17
NP1:Strike= 92 Dip=13 Slip=-154
NP2: 337 84 -78
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 58S,142C
Centroid Location:
Origin Time 20:58:47.0 0.1
Lat 20.01S 0.01 Lon 69.48W 0.02
Dep 90.8 1.6 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 7.58 Plg=34 Azm= 56
N -1.21 8 152
P -6.38 54 253
Best Double Couple:Mo=7.0*10**17
NP1:Strike=114 Dip=13 Slip=-128
NP2: 333 80 -82

09 23 41 24.69 0.151S 125.241E 64km
5.2mb (39 obs.)
SOUTHERN MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 36S, 59C
Centroid Location:
Origin Time 23:41:30.0 0.4
Lat 0.09N 0.05 Lon 125.74E 0.05
Dep 56.2 4.0 Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.24 Plg=72 Azm=279
N 0.10 7 32
P -1.35 16 124
Best Double Couple:Mo=1.3*10**17
NP1:Strike=226 Dip=30 Slip= 105
NP2: 28 62 82

10 06 02 58.85 14.936N 94.178W 33km
5.1mb (81 obs.) 4.8Msz (40 obs.)
OFF COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 29S, 45C
Centroid Location:
Origin Time 06:03: 2.2 0.4
Lat 15.17N 0.05 Lon 94.28W 0.05
Dep 18.7 2.5 Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.64 Plg=59 Azm= 40
N -0.01 5 301
P -1.63 30 207
Best Double Couple:Mo=1.6*10**17
NP1:Strike=281 Dip=16 Slip= 70
NP2: 122 75 95

11 04 22 52.72 0.986N 101.452W 10km
5.4mb (57 obs.) 4.7Msz (43 obs.)
EAST CENTRAL PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 55S, 98C
Centroid Location:
Origin Time 04:22:58.5 0.2
Lat 1.33N 0.02 Lon 101.52W 0.02
Dep 15.0 BDY Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.55 Plg=14 Azm= 77
N 0.02 16 171
P -2.57 69 309
Best Double Couple:Mo=2.6*10**17
NP1:Strike=146 Dip=34 Slip=-119
NP2: 0 60 -71

11 11 40 32.59 53.823N 160.439E 33km
5.3mb (120 obs.) 4.6Msz (38 obs.)
NEAR EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 42S, 81C
Centroid Location:
Origin Time 11:40:39.9 0.4
Lat 53.61N 0.04 Lon 160.95E 0.07
Dep 33.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.39 Plg=71 Azm=303
N 0.18 0 213
P -1.57 19 123
Best Double Couple:Mo=1.5*10**17
NP1:Strike=213 Dip=26 Slip= 90
NP2: 33 64 90

12 14 23 32.76 21.721S 179.347W 600km
5.1mb (69 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 52S, 96C
Centroid Location:
Origin Time 14:23:39.6 0.3
Lat 21.57S 0.03 Lon 179.05W 0.02
Dep 623.9 1.5 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.69 Plg=59 Azm=157
N 0.43 20 30
P -3.12 23 291
Best Double Couple:Mo=2.9*10**17
NP1:Strike=348 Dip=28 Slip= 45
NP2: 217 71 111

13 01 16 01.09 0.474N 123.607E 28km
5.1mb (35 obs.) 4.5Msz (7 obs.)
MINAHASSA PENINSULA, SULAWESI
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 15S, 25C
Centroid Location:
Origin Time 01:15:58.7 1.0
Lat 0.46N FIX;Lon 123.61E FIX
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.28 Plg= 8 Azm=338
N -1.33 51 238
P -3.95 38 74
Best Double Couple:Mo=4.6*10**16
NP1:Strike=109 Dip=57 Slip= -24
NP2: 212 70 -145

13 04 07 25.52 15.22 S 174.50 W 33km
4.7mb (18 obs.) 5.2Msz (5 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 36S, 61C
Centroid Location:
Origin Time 04:07:26.9 0.4
Lat 14.77S 0.05 Lon 174.24W 0.03
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.30 Plg= 8 Azm=125
N 0.03 82 320
P -1.34 2 215
Best Double Couple:Mo=1.3*10**17
NP1:Strike=260 Dip=83 Slip= 4
NP2: 170 86 173

14 12 24 34.18 17.623S 178.966W 533km
5.5mb (94 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 61S,123C
Centroid Location:
Origin Time 12:24:39.5 0.1
Lat 17.50S 0.02 Lon 178.98W 0.01
Dep 547.3 0.9 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 9.21 Plg=41 Azm=314
N -1.67 49 132
P -7.54 1 223
Best Double Couple:Mo=8.4*10**17
NP1:Strike=351 Dip=62 Slip= 149
NP2: 97 63 32

14 14 04 31.43 16.779N 98.597W 23km
6.4mb (150 obs.) 7.2Msz (70 obs.)
NEAR COAST OF GUERRERO, MEXICO
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=120 Dip=78 Slip= 90
NP2: 300 12 90
Principal Axes:
T Plg=57 Azm= 30
P 33 210
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 15 Focal mech. F
Energy 1.2±0.2*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 22 No. of sta: 29
Principal Axes:
Scale 10**20 Nm
T Val= 1.42 Plg=57 Azm= 46
N 0.01 15 291
P -1.43 28 192
Best Double Couple:Mo=1.4*10**20
NP1:Strike=248 Dip=22 Slip= 45
NP2: 115 75 106
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 58S,159C M.W.: 55S,157C
Centroid Location:
Origin Time 14:04:41.4 0.1
Lat 16.73N 0.00 Lon 98.54W 0.01
Dep 21.8 0.3 Half-duration 12.0
Principal Axes:
Scale 10**20 Nm
T Val= 1.34 Plg=60 Azm= 27
N -0.05 1 295
P -1.29 30 204
Best Double Couple:Mo=1.3*10**20
NP1:Strike=289 Dip=15 Slip= 85
NP2: 115 75 91

15 04 50 20.48 50.175S 114.829W 10km
4.4mb (8 obs.)
SOUTHERN EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 43S, 71C
Centroid Location:
Origin Time 04:50:29.3 0.2
Lat 49.77S 0.04 Lon 114.95W 0.06
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.45 Plg=18 Azm=151
N 0.31 69 2
P -1.76 10 244
Best Double Couple:Mo=1.6*10**17
NP1:Strike=288 Dip=70 Slip= 6
NP2: 196 84 160

15 20 53 06.71 51.233N 179.206E 33km
5.2mb (126 obs.) 4.6Msz (14 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 31S, 50C
Centroid Location:
Origin Time 20:53:10.4 0.6
Lat 51.34N 0.05 Lon 179.36E 0.10
Dep 31.6 3.3 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 7.87 Plg=69 Azm=334
N 0.56 2 70
P -8.43 21 161
Best Double Couple:Mo=8.1*10**16
NP1:Strike=254 Dip=24 Slip= 95
NP2: 69 66 88

15 23 52 03.33 43.064N 143.797E 106km
5.0mb (113 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 22S, 28C
Centroid Location:
Origin Time 23:52: 4.3 0.5
Lat 42.84N 0.07 Lon 143.96E 0.08
Dep 122.6 4.5 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.39 Plg=30 Azm= 14
N 0.31 13 276
P -6.71 57 166
Best Double Couple:Mo=6.6*10**16
NP1:Strike=139 Dip=19 Slip= -46
NP2: 273 76 -103

16 01 03 36.93 6.323S 155.207E 151km
5.9mb (94 obs.)

SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 75 Dip=67 Slip=-115
NP2: 305 33 -45
Principal Axes:
T Plg=18 Azm=183
P 60 308
Comment: The focal mechanism is poorly controlled and corresponds to down-dip pressure. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 2.7±1.0*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 154 No. of sta: 38
Principal Axes:
Scale 10**18 Nm
T Val= 0.93 Plg=16 Azm=189
N 0.74 23 92
P -1.67 62 311
Best Double Couple:Mo=1.3*10**18
NP1:Strike=309 Dip=35 Slip= -48
NP2: 81 65 -115
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 59S,140C M.W.: 52S, 85C
Centroid Location:
Origin Time 01:03:42.6 0.1
Lat 6.18S 0.01 Lon 155.50E 0.01
Dep 155.5 0.3 Half-duration 1.0
Principal Axes:
Scale 10**18 Nm
T Val= 1.12 Plg=18 Azm=183
N 0.77 19 87
P -1.89 64 314
Best Double Couple:Mo=1.5*10**18
NP1:Strike=300 Dip=32 Slip= -52
NP2: 78 65 -111

16 22 49 14.50 4.044S 104.034W 10km
5.0mb (30 obs.) 5.1Msz (46 obs.)
CENTRAL EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 59S,101C
Centroid Location:
Origin Time 22:49:22.0 0.2
Lat 3.69S 0.02 Lon 104.01W 0.02
Dep 15.1 2.2 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.02 Plg= 7 Azm=143
N -0.46 82 306
P -2.56 2 53
Best Double Couple:Mo=2.8*10**17
NP1:Strike=188 Dip=83 Slip= 176
NP2: 278 86 7

17 07 25 26.91 35.561S 74.167W 8km
5.9mb (65 obs.)
OFF COAST OF CENTRAL CHILE
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 5.1±1.4*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 9 No. of sta: 37
Principal Axes:
Scale 10**17 Nm
T Val= 1.88 Plg= 2 Azm=319
N -0.13 17 229
P -1.75 73 55
Best Double Couple:Mo=1.8*10**17
NP1:Strike= 66 Dip=46 Slip= -66
NP2: 214 49 -113
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 49S, 83C
Centroid Location:
Origin Time 07:25:33.8 0.2
Lat 35.61S 0.03 Lon 74.47W 0.03
Dep 15.0 BDY Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.70 Plg= 7 Azm=117
N 0.07 22 210
P -2.77 67 10
Best Double Couple:Mo=2.7*10**17
NP1:Strike=184 Dip=42 Slip=-124
NP2: 46 56 -63

17 17 09 20.62 17.093S 66.707E 8km
5.6mb (94 obs.) 6.0Msz (45 obs.)
MAURITIUS-REUNION REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=248 Dip=73 Slip= 7
NP2: 156 83 163
Principal Axes:
T Plg=17 Azm=111
P 7 203
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: 6 Focal mech. F
Energy 1.6±0.6*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 23 No. of sta: 28
Principal Axes:
Scale 10**18 Nm
T Val= 4.67 Plg= 5 Azm= 88
N -0.01 83 229
P -4.66 4 358
Best Double Couple:Mo=4.7*10**18
NP1:Strike=133 Dip=83 Slip= 179
NP2: 223 89 7
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 69S,178C M.W.: 62S,132C
Centroid Location:
Origin Time 17:09:39.1 0.1
Lat 17.27S 0.01 Lon 66.06E 0.01
Dep 15.0 FIX Half-duration 5.2
Principal Axes:
Scale 10**18 Nm
T Val= 7.10 Plg= 4 Azm=102
N -1.39 75 209
P -5.72 14 11
Best Double Couple:Mo=6.4*10**18
NP1:Strike=148 Dip=77 Slip=-173
NP2: 56 83 -13

18 06 56 31.29 6.925S 128.968E 181km
5.5mb (63 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 63S,143C
Centroid Location:
Origin Time 06:56:35.8 0.1
Lat 6.76S 0.01 Lon 129.30E 0.01
Dep 176.6 0.7 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 13.42 Plg=26 Azm=283
N -3.33 57 143
P -10.10 18 22
Best Double Couple:Mo=1.2*10**18
NP1:Strike= 65 Dip=58 Slip= 7
NP2: 331 84 148

18 17 13 20.36 8.887S 123.787E 33km
5.6mb (51 obs.)
FLORES REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 55S,109C
Centroid Location:
Origin Time 17:13:33.0 0.2
Lat 8.72S 0.02 Lon 123.91E 0.02
Dep 108.8 1.4 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 4.24 Plg=46 Azm=331
N -1.24 4 237
P -3.00 44 143
Best Double Couple:Mo=3.6*10**17
NP1:Strike=162 Dip= 4 Slip= 15
NP2: 57 89 94

18 20 22 13.95 20.642S 178.544W 617km
5.1mb (62 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 52S, 85C
Centroid Location:
Origin Time 20:22:17.4 0.4
Lat 20.56S 0.03 Lon 178.53W 0.03
Dep 625.3 1.9 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.24 Plg=25 Azm=160
N 0.47 15 62
P -2.72 60 304
Best Double Couple:Mo=2.5*10**17
NP1:Strike=280 Dip=24 Slip= -50
NP2: 57 72 -106

19 03 31 53.91 21.194S 68.672W 112km
5.7mb (84 obs.)
CHILE-BOLIVIA BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 7 Dip=79 Slip= -90
NP2: 187 11 -90
Principal Axes:
T Plg=34 Azm= 97
P 56 277
Comment: The focal mechanism is poorly controlled and corresponds to down-dip tension. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 2.4±1.0*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 112 No. of sta: 36
Principal Axes:
Scale 10**17 Nm
T Val= 3.27 Plg=35 Azm= 83
N -0.22 14 183
P -3.05 51 291
Best Double Couple:Mo=3.2*10**17
NP1:Strike=125 Dip=16 Slip=-149
NP2: 5 82 -76
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 52S, 93C
Centroid Location:
Origin Time 03:31:59.9 0.2
Lat 21.22S 0.02 Lon 68.79W 0.03
Dep 121.3 1.5 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.24 Plg=24 Azm= 91
N -0.35 1 181
P -2.89 66 273
Best Double Couple:Mo=3.1*10**17
NP1:Strike=179 Dip=21 Slip= -92
NP2: 1 69 -89

19 15 40 08.57 13.874N 90.658W 64km
5.1mb (51 obs.)
NEAR COAST OF GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 21S, 34C
Centroid Location:
Origin Time 15:40:10.4 0.4
Lat 13.78N 0.05 Lon 90.86W 0.10
Dep 72.3 6.9 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.91 Plg=37 Azm= 61
N 1.27 23 312
P -10.18 44 197
Best Double Couple:Mo=9.6*10**16
NP1:Strike=211 Dip=24 Slip= -10
NP2: 310 86 -113

19 21 05 51.32 41.138N 142.199E 58km
5.4mb (114 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 44S, 69C
Centroid Location:
Origin Time 21:05:53.3 0.4
Lat 41.05N 0.04 Lon 142.53E 0.04
Dep 60.1 2.7 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 9.87 Plg=73 Azm=300
N 0.77 0 209
P -10.64 17 118
Best Double Couple:Mo=1.0*10**17
NP1:Strike=208 Dip=29 Slip= 89
NP2: 29 62 91

19 22 52 23.14 39.698S 174.168E 217km
5.6mb (32 obs.)
NORTH ISLAND, NEW ZEALAND
MOMENT TENSOR SOLUTION

Dep 212 No. of sta: 17
Principal Axes:
Scale 10**17 Nm
T Val= 5.04 Plg=55 Azm= 15
N -0.02 19 135
P -5.02 28 236
Best Double Couple:Mo=5.0*10**17
NP1:Strike= 7 Dip=24 Slip= 144
NP2: 130 76 70
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 63S,119C
Centroid Location:
Origin Time 22:52:26.6 0.1
Lat 39.46S 0.02 Lon 174.22E 0.02
Dep 216.0 0.7 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 5.70 Plg=53 Azm= 20
N -0.13 15 131
P -5.57 33 231
Best Double Couple:Mo=5.6*10**17
NP1:Strike= 5 Dip=18 Slip= 146
NP2: 128 80 75

20 03 14 33.58 34.918N 118.096E 18km
4.8mb (48 obs.) 4.7Msz (5 obs.)
SOUTHEASTERN CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 10S, 12C
Centroid Location:
Origin Time 03:14:33.5 1.4
Lat 34.87N FIX;Lon 118.07E FIX
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 4.86 Plg=10 Azm=172
N -0.12 68 58
P -4.74 20 266
Best Double Couple:Mo=4.8*10**16
NP1:Strike=308 Dip=69 Slip= -7
NP2: 40 83 -159

20 22 17 23.95 23.353S 170.605E 36km
5.2mb (31 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 22S, 33C
Centroid Location:
Origin Time 22:17:26.2 0.7
Lat 23.21S 0.08 Lon 170.55E 0.09
Dep 24.3 4.5 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.31 Plg=23 Azm= 23
N 1.15 15 119
P -7.46 62 239
Best Double Couple:Mo=6.9*10**16
NP1:Strike= 85 Dip=26 Slip=-126
NP2: 305 70 -74

20 23 27 36.27 35.761N 117.639W 5km
5.0mb (73 obs.) 5.5Msz (6 obs.)
CENTRAL CALIFORNIA
MOMENT TENSOR SOLUTION
Dep 14 No. of sta: 8
Principal Axes:
Scale 10**17 Nm
T Val= 2.27 Plg=12 Azm=101
N 0.00 78 292
P -2.27 2 192
Best Double Couple:Mo=2.3*10**17
NP1:Strike=237 Dip=80 Slip= 7
NP2: 146 83 170
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 43S, 87C
Centroid Location:
Origin Time 23:27:41.8 0.2
Lat 35.88N 0.02 Lon 117.80W 0.03
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 2.87 Plg= 3 Azm=109
N -0.61 80 3
P -2.26 10 199
Best Double Couple:Mo=2.6*10**17
NP1:Strike=243 Dip=81 Slip= -5
NP2: 334 85 -171

22 03 22 31.32 51.442N 178.475W 33km
4.9mb (83 obs.) 4.7Msz (4 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 14S, 21C
Centroid Location:
Origin Time 03:22:35.0 1.5
Lat 51.43N FIX;Lon 178.54W FIX
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 4.99 Plg=63 Azm=298
N 0.76 12 54
P -5.75 24 149
Best Double Couple:Mo=5.4*10**16
NP1:Strike=264 Dip=24 Slip= 122
NP2: 49 70 77

22 04 20 09.54 6.036S 146.629E 56km
4.9mb (16 obs.)
EASTERN NEW GUINEA REG., P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 15S, 21C
Centroid Location:
Origin Time 04:20:11.7 1.1
Lat 6.57S 0.09 Lon 146.24E 0.13
Dep 58.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 8.36 Plg=35 Azm=103
N -3.05 41 335
P -5.31 29 216
Best Double Couple:Mo=6.8*10**16
NP1:Strike=253 Dip=41 Slip= 6
NP2: 158 86 131

22 05 39 30.53 6.053S 146.543E 45km
5.8mb (92 obs.) 5.9Msz (56 obs.)
EASTERN NEW GUINEA REG., P.N.G.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=325 Dip=82 Slip= -90
NP2: 145 8 -90
Principal Axes:
T Plg=37 Azm= 55
P 53 235
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 28 No. of sta: 22
Principal Axes:
Scale 10**17 Nm
T Val= 9.36 Plg=29 Azm= 15
N -0.01 9 110
P -9.35 59 215
Best Double Couple:Mo=9.4*10**17
NP1:Strike= 82 Dip=18 Slip=-120
NP2: 293 75 -81
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 60S,131C M.W.: 15S, 21C
Centroid Location:
Origin Time 05:39:37.6 0.1
Lat 6.03S 0.02 Lon 146.74E 0.02
Dep 23.3 2.2 Half-duration 3.3
Principal Axes:
Scale 10**18 Nm
T Val= 2.26 Plg=43 Azm= 46
N 0.24 13 304
P -2.50 44 201
Best Double Couple:Mo=2.4*10**18
NP1:Strike=213 Dip=13 Slip= -1
NP2: 304 90 -103

22 08 51 49.55 1.065N 19.395E 10km
5.7mb (95 obs.) 5.0Msz (34 obs.)
ZAIRE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 18S, 22C
Centroid Location:
Origin Time 08:51:57.3 0.6
Lat 1.12N FIX;Lon 19.51E FIX
Dep 15.0 BDY Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.35 Plg=70 Azm=344
N -0.31 13 113
P -1.05 15 207
Best Double Couple:Mo=1.2*10**17
NP1:Strike=315 Dip=32 Slip= 116
NP2: 106 62 75

22 11 20 10.35 35.316N 8.237E 10km
4.8mb (49 obs.) 5.0Msz (8 obs.)
TUNISIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 23S, 30C
Centroid Location:
Origin Time 11:20:12.1 0.6
Lat 35.54N 0.08 Lon 7.87E 0.08
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 13.91 Plg=28 Azm= 31
N -1.97 40 274
P -11.95 37 145
Best Double Couple:Mo=1.3*10**17
NP1:Strike=173 Dip=41 Slip= -8
NP2: 270 84 -130

22 17 56 01.58 13.447N 90.565W 53km
4.7mb (63 obs.) 5.0Msz (26 obs.)
NEAR COAST OF GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 43S, 64C
Centroid Location:
Origin Time 17:56: 1.8 0.3
Lat 13.13N 0.04 Lon 91.15W 0.04
Dep 16.1 2.0 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.98 Plg=62 Azm= 28
N -0.01 2 295
P -1.97 28 205
Best Double Couple:Mo=2.0*10**17
NP1:Strike=290 Dip=17 Slip= 85
NP2: 116 73 92

22 20 05 39.25 10.072S 160.804E 43km
5.2mb (63 obs.) 5.3Msz (45 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 53S, 88C
Centroid Location:
Origin Time 20:05:40.5 0.2
Lat 10.18S 0.03 Lon 160.75E 0.02
Dep 15.4 1.3 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.84 Plg=67 Azm= 55
N -0.18 3 152
P -2.67 22 243
Best Double Couple:Mo=2.8*10**17
NP1:Strike=338 Dip=23 Slip= 97
NP2: 151 68 87

23 01 45 04.73 10.438S 161.296E 37km
5.3mb (58 obs.) 5.0Msz (27 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 31S, 39C
Centroid Location:
Origin Time 01:45: 7.5 0.4
Lat 10.57S 0.06 Lon 161.31E 0.05
Dep 27.2 3.4 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.57 Plg=72 Azm=169
N -0.75 18 341
P -6.82 2 72
Best Double Couple:Mo=7.2*10**16
NP1:Strike=179 Dip=46 Slip= 115
NP2: 326 50 67

23 02 34 12.78 5.968S 146.635E 27km
5.8mb (74 obs.) 5.8Msz (60 obs.)
EASTERN NEW GUINEA REG., P.N.G.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=140 Dip=57 Slip= 90
NP2: 320 33 90
Principal Axes:
T Plg=78 Azm= 50
P 12 230
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.

RADIATED ENERGY
No. of sta: 12 Focal mech. C
Energy 1.2±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 32 No. of sta: 27
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	7.00	75	156
N	0.00	15	316
P	-6.99	5	48

Best Double Couple:Mo=7.0*10**17
NP1:Strike=153 Dip=42 Slip= 112
NP2: 305 52 71
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 66S,150C
Centroid Location:
Origin Time 02:34:21.5 0.1
Lat 6.05S 0.01 Lon 146.87E 0.01
Dep 39.8 1.1 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	10.56	67	126
N	0.82	23	297
P	-11.38	3	28

Best Double Couple:Mo=1.1*10**18
NP1:Strike=141 Dip=46 Slip= 123
NP2: 278 52 60

23 16 05 49.56 5.561S 104.062E 45km
5.9mb (113 obs.) 5.6Msz (64 obs.)
SOUTHERN SUMATERA, INDONESIA
RADIATED ENERGY
No. of sta: 15 Focal mech. M
Energy 7.3±2.1*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 48 No. of sta: 28
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	10.32	53	356
N	-2.13	16	243
P	-8.19	32	142

Best Double Couple:Mo=9.3*10**17
NP1:Strike=189 Dip=20 Slip= 34
NP2: 66 79 107
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 60S,128C
Centroid Location:
Origin Time 16:05:57.2 0.2
Lat 6.06S 0.01 Lon 103.91E 0.02
Dep 42.6 1.2 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	9.38	65	5
N	3.16	2	269
P	-12.53	25	178

Best Double Couple:Mo=1.1*10**18
NP1:Strike=262 Dip=20 Slip= 83
NP2: 90 70 93

23 20 56 04.10 24.328S 128.003W 10km
5.5mb (60 obs.) 5.2Msz (46 obs.)
SOUTH PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 55S, 93C
Centroid Location:
Origin Time 20:56: 9.9 0.2
Lat 24.35S 0.03 Lon 128.07W 0.03
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.85	11	340
N	-0.17	78	139
P	-2.67	4	249

Best Double Couple:Mo=2.8*10**17
NP1:Strike= 24 Dip=79 Slip= 175
NP2: 115 85 11

23 22 31 56.36 10.680S 78.581W 60km
6.0mb (107 obs.)
NEAR COAST OF PERU
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 3 Dip=73 Slip= -90
NP2: 183 17 -90
Principal Axes:

	Plg=	Azm=
T	28	93
P	62	273

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 11 Focal mech. F
Energy 4.4±0.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 58 No. of sta: 47
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	5.83	24	95
N	0.01	4	4
P	-5.84	65	265

Best Double Couple:Mo=5.8*10**18
NP1:Strike=194 Dip=21 Slip= -79
NP2: 2 70 -94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 65S,178C M.W.: 62S,117C
Centroid Location:
Origin Time 22:32: 2.3 0.1
Lat 10.62S 0.01 Lon 78.47W 0.01
Dep 73.1 0.5 Half-duration 4.0
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	5.68	25	91
N	0.19	3	359
P	-5.87	65	263

Best Double Couple:Mo=5.8*10**18
NP1:Strike=187 Dip=20 Slip= -82
NP2: 358 70 -93

25 01 10 07.05 19.542S 173.757W 33km
5.4mb (51 obs.) 5.3Msz (53 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 57S,115C
Centroid Location:
Origin Time 01:10:11.9 0.2
Lat 19.58S 0.02 Lon 173.18W 0.02
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.66	77	284
N	0.39	0	14
P	-4.05	13	105

Best Double Couple:Mo=3.8*10**17
NP1:Strike=195 Dip=32 Slip= 90
NP2: 14 58 90

25 09 13 28.17 4.703S 130.493E 43km
5.6mb (63 obs.) 5.2Msz (28 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=250 Dip=73 Slip= 120
NP2: 7 34 31
Principal Axes:

	Plg=	Azm=
T	52	195
P	22	318

Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 50 No. of sta: 22
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.00	57	183
N	0.21	28	38
P	-4.21	16	299

Best Double Couple:Mo=4.1*10**17
NP1:Strike=355 Dip=38 Slip= 40
NP2: 232 67 121
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 61S,126C
Centroid Location:
Origin Time 09:13:37.1 0.2
Lat 4.29S 0.03 Lon 130.60E 0.02
Dep 33.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.97	55	185
N	-0.79	22	60
P	-4.18	26	319

Best Double Couple:Mo=4.6*10**17
NP1:Strike= 10 Dip=27 Slip= 36
NP2: 247 74 113

26 01 49 42.05 15.133S 173.436W 33km
4.9mb (20 obs.) 4.9Msz (27 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 11S, 11C
Centroid Location:
Origin Time 01:49:45.5 0.9
Lat 15.10S FIX;Lon 173.46W FIX
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.38	46	294
N	0.14	13	190
P	-1.52	41	89

Best Double Couple:Mo=1.5*10**17
NP1:Strike=111 Dip=13 Slip= 11
NP2: 11 88 103

26 04 39 05.26 41.791N 81.589E 33km
5.3mb (129 obs.) 4.6Msz (18 obs.)
SOUTHERN XINJIANG, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 24S, 31C
Centroid Location:
Origin Time 04:39:10.5 0.7
Lat 42.02N 0.07 Lon 81.40E 0.09
Dep 43.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.84	79	30
N	0.54	8	256
P	-6.38	8	165

Best Double Couple:Mo=6.1*10**16
NP1:Strike=246 Dip=38 Slip= 77
NP2: 82 54 100

26 07 14 37.48 41.819N 143.334E 33km
5.8mb (145 obs.) 5.6Msz (65 obs.)
HOKKAIDO, JAPAN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 15 Dip=72 Slip= 90
NP2: 195 18 90
Principal Axes:

	Plg=	Azm=
T	63	285
P	27	105

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 32 No. of sta: 23
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	8.43	60	271
N	-0.57	12	23
P	-7.86	27	119

Best Double Couple:Mo=8.1*10**17
NP1:Strike=238 Dip=21 Slip= 127
NP2: 19 73 77
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 53S,116C
Centroid Location:
Origin Time 07:14:42.6 0.2
Lat 41.70N 0.02 Lon 143.78E 0.03
Dep 39.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	7.60	65	257
N	0.86	16	23
P	-8.46	20	119

Best Double Couple:Mo=8.0*10**17
NP1:Strike=234 Dip=29 Slip= 124
NP2: 16 66 73

26 17 45 38.77 48.254N 153.032E 137km
5.4mb (132 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 19S, 25C
Centroid Location:
Origin Time 17:45:40.2 1.0
Lat 48.03N 0.10 Lon 153.64E 0.12
Dep 137.0 3.3 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.33	40	139
N	3.30	8	43
P	-9.64	49	304

Best Double Couple:Mo=8.0*10**16
NP1:Strike=281 Dip= 9 Slip= -32

NP2: 42 85 -98

26 18 24 12.94 13.098S 166.997E 186km
5.6mb (76 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 63S,118C
Centroid Location:
Origin Time 18:24:17.5 0.2
Lat 13.12S 0.02 Lon 166.86E 0.01
Dep 186.1 0.6 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 5.54 Plg=65 Azm=176
N -0.41 24 338
P -5.12 7 71
Best Double Couple:Mo=5.3*10**17
NP1:Strike=187 Dip=44 Slip= 127
NP2: 321 56 60

26 22 32 37.45 26.432S 177.525W 158km
5.1mb (43 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 39S, 58C
Centroid Location:
Origin Time 22:32:38.6 0.3
Lat 26.04S 0.03 Lon 177.38W 0.04
Dep 143.2 1.4 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.45 Plg=37 Azm=109
N 0.20 51 267
P -1.65 11 11
Best Double Couple:Mo=1.5*10**17
NP1:Strike=144 Dip=56 Slip= 160
NP2: 245 73 35

27 01 27 34.82 6.410S 145.471E 77km
5.2mb (48 obs.)
NEW GUINEA, PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 36S, 57C
Centroid Location:
Origin Time 01:27:38.5 0.4
Lat 6.35S 0.03 Lon 145.41E 0.04
Dep 68.3 3.6 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 8.25 Plg=43 Azm=271
N 4.49 40 127
P -12.73 19 20
Best Double Couple:Mo=1.0*10**17
NP1:Strike= 66 Dip=44 Slip= 21
NP2: 320 75 132

27 02 05 21.45 14.773S 167.074E 79km
5.2mb (40 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 44S, 66C
Centroid Location:
Origin Time 02:05:25.8 0.4
Lat 14.78S 0.03 Lon 166.77E 0.04
Dep 89.8 1.9 Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.19 Plg=64 Azm= 66
N -0.01 26 258
P -1.17 5 166
Best Double Couple:Mo=1.2*10**17
NP1:Strike=231 Dip=46 Slip= 53
NP2: 98 55 122

28 23 44 41.70 42.625N 18.162E 10km
5.3mb (76 obs.) 5.1Msz (1 obs.)
NORTHWESTERN BALKAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 10S, 16C
Centroid Location:
Origin Time 23:44:47.5 1.7
Lat 42.75N 0.22 Lon 18.08E 0.29
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.18 Plg=11 Azm=137
N 2.00 50 34
P -8.18 38 235
Best Double Couple:Mo=7.2*10**16
NP1:Strike=269 Dip=56 Slip= -21
NP2: 11 72 -144

29 04 09 23.61 20.884S 174.147W 33km
4.9mb (28 obs.) 5.2Msz (47 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 23S, 31C
Centroid Location:
Origin Time 04:09:28.5 0.5
Lat 20.79S 0.09 Lon 174.55W 0.10
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.26 Plg=44 Azm=297
N -0.26 11 38
P -2.00 43 139
Best Double Couple:Mo=2.1*10**17
NP1:Strike=305 Dip=11 Slip= 177
NP2: 38 90 79

29 13 32 39.43 35.864S 103.402W 10km
4.7mb (12 obs.) 5.2Msz (1 obs.)
SOUTHERN PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 39S, 56C
Centroid Location:
Origin Time 13:32:42.9 0.2
Lat 36.08S 0.04 Lon 103.26W 0.04
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.35 Plg= 6 Azm= 52
N 0.12 80 178
P -1.47 8 321
Best Double Couple:Mo=1.4*10**17
NP1:Strike= 97 Dip=80 Slip=-178
NP2: 6 88 -10

30 10 14 32.58 41.874N 15.892E 25km
5.2mb (84 obs.) 5.2Msz (35 obs.)
SOUTHERN ITALY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 16S, 20C
Centroid Location:
Origin Time 10:14:34.1 1.1
Lat 41.62N 0.14 Lon 16.14E 0.14
Dep 24.0 BDY Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.83 Plg=66 Azm=357
N -0.11 16 225
P -6.72 17 130
Best Double Couple:Mo=6.8*10**16
NP1:Strike=197 Dip=32 Slip= 58
NP2: 53 64 108

30 10 47 58.11 50.829N 157.341E 45km
5.7mb (182 obs.) 5.6Msz (79 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 63S,144C
Centroid Location:
Origin Time 10:48: 3.5 0.1
Lat 50.67N 0.01 Lon 157.75E 0.02
Dep 50.0 0.9 Half-duration 2.5
Principal Axes:
Scale 10**18 Nm
T Val= 1.24 Plg=76 Azm=344
N 0.12 8 220
P -1.36 11 128
Best Double Couple:Mo=1.3*10**18
NP1:Strike=208 Dip=34 Slip= 76
NP2: 45 57 99

30 13 56 35.50 51.892N 142.983E 33km
5.0mb (110 obs.) 4.7Msz (8 obs.)
SAKHALIN ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 8S, 8C
Centroid Location:
Origin Time 13:56:35.7 1.2
Lat 51.85N FIX;Lon 142.91E FIX
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.02 Plg=48 Azm=332
N -0.27 1 63
P -1.74 42 154
Best Double Couple:Mo=1.9*10**17
NP1:Strike=264 Dip= 3 Slip= 110
NP2: 63 87 89

Compiled by Francis W. Baldwin, Pamela J. Benfield, Pingsheng Chang, George L. Choy, Stuart K. Koyanagi, Christina K. LaVonne, John H. Minsch, Waverly J. Person, Bruce W. Presgrave, William H. Schmieder, Stuart A. Sipkin, James N. Taggart and Madeleine D. Zirbes.

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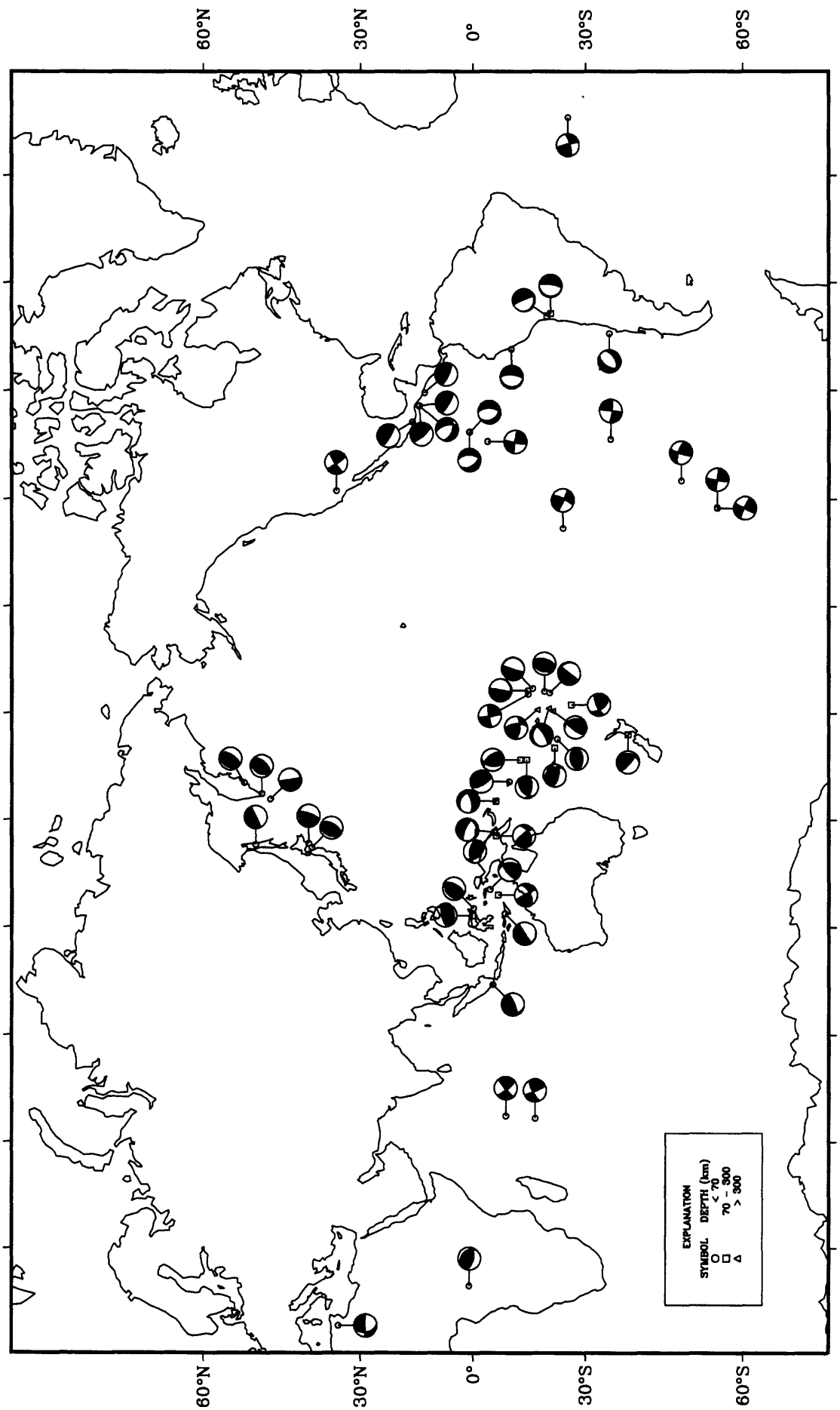
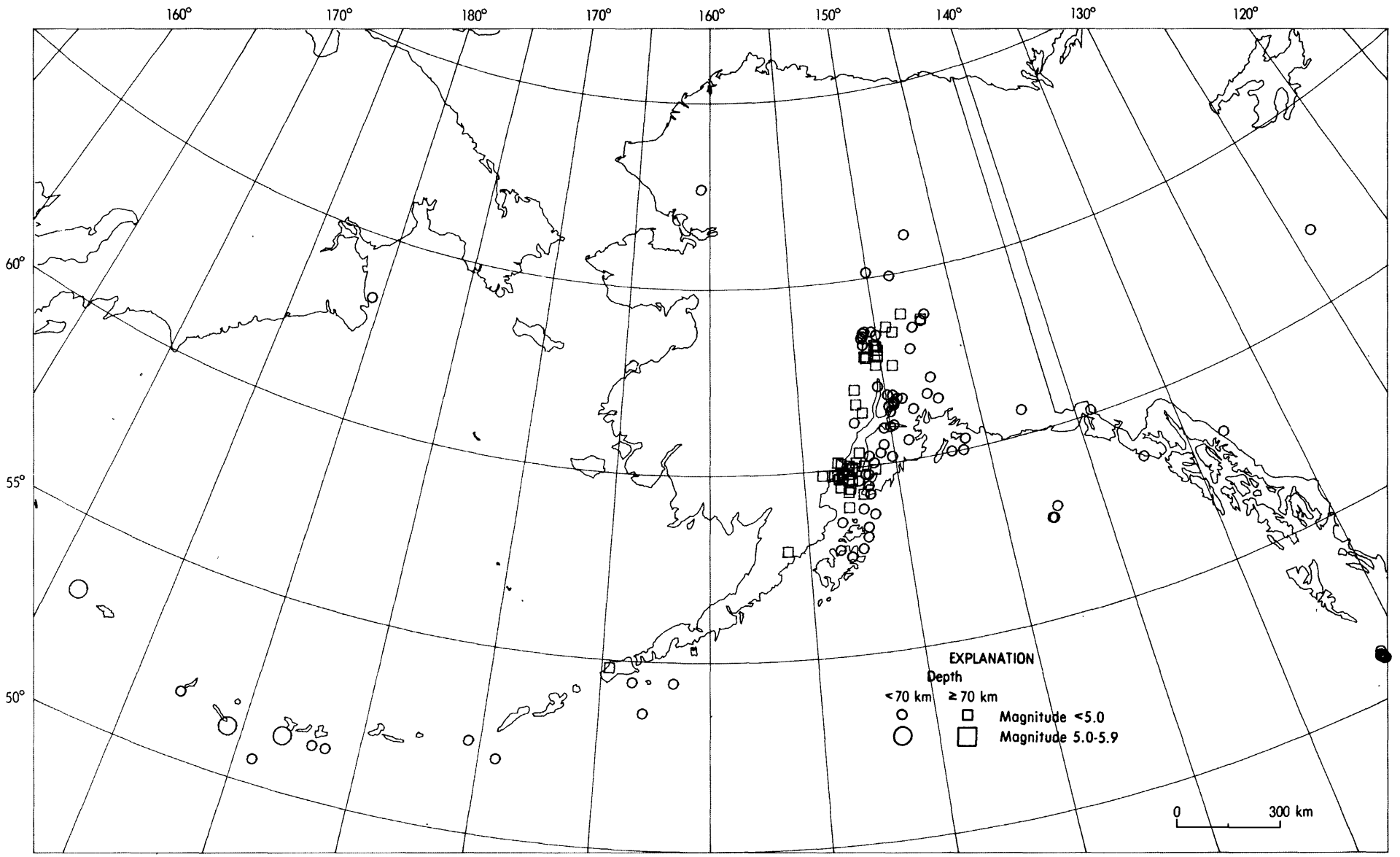
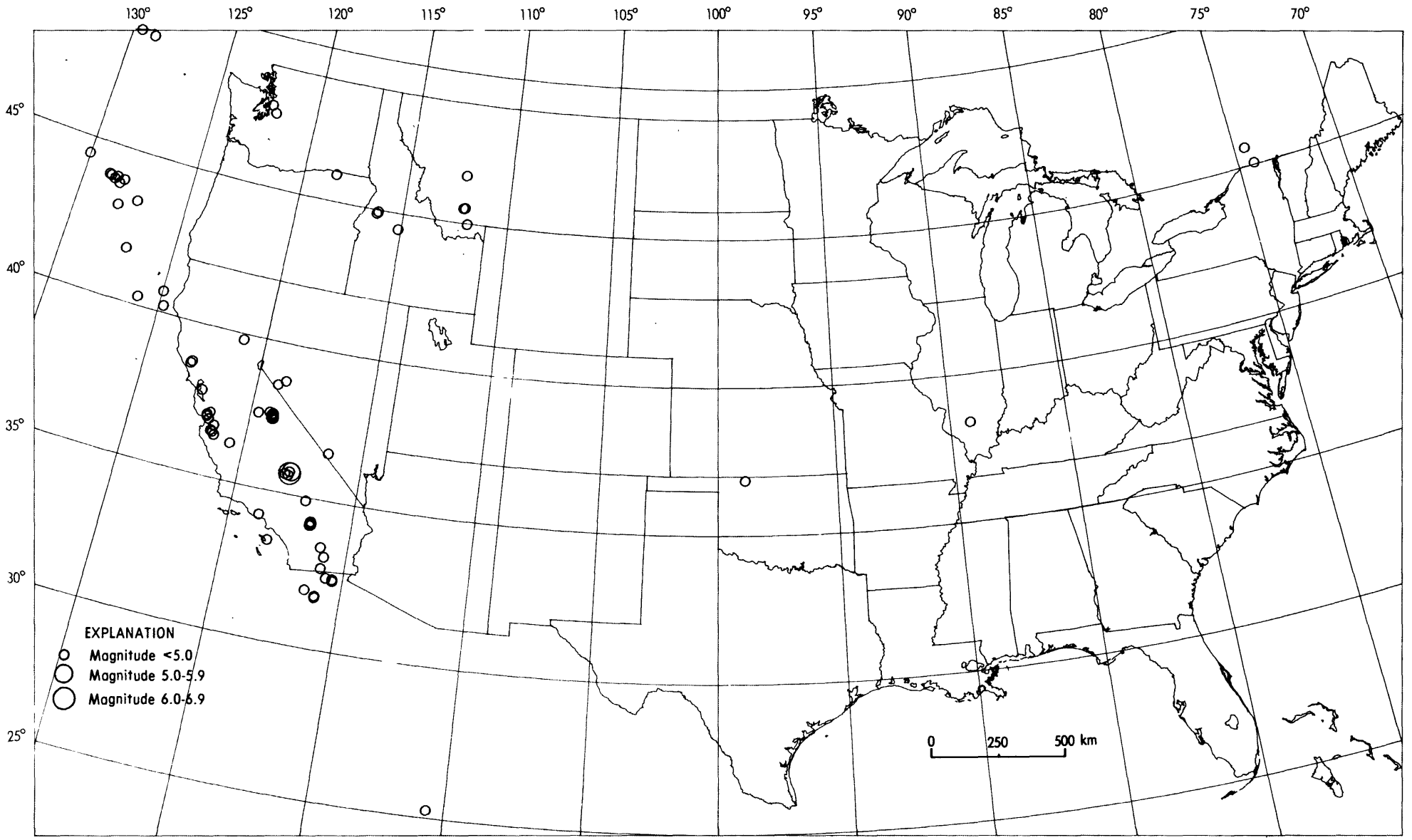
Earthquake Focal Mechanisms for September 1995

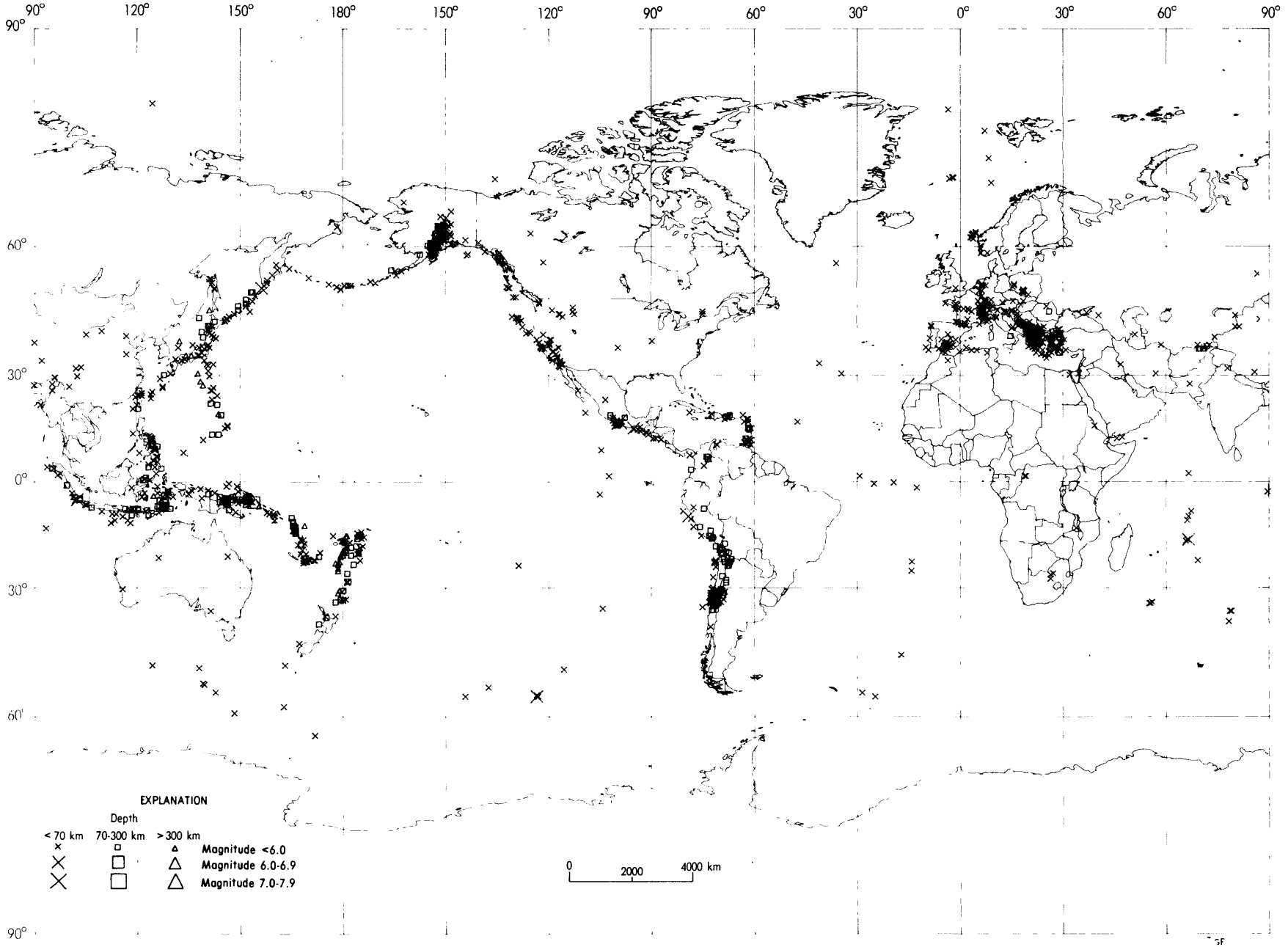




Earthquake epicenters in Alaska and adjacent regions for September, 1995



Earthquake epicenters in the conterminous United States and adjacent regions for September, 1995



Earthquakes located in September, 1995