UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS MONTHLY LISTING

JANUARY - MARCH 1992

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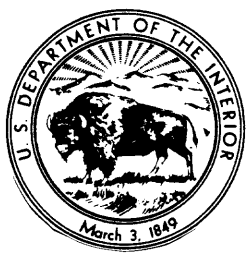

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1992

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

JANUARY 1992

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	50	12.1%	44.516	N	7.114	E	10	G			0.5	6	NORTHERN ITALY. ML 2.1 (GEN).
	01	01	11	48.7&	40.895	N	123.948	W	5					14	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt at Arcata and Blue Lake.
	01	03	32	05.8*	33.652	S	70.556	W	70	G			0.3	7	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	01	05	35	01.3?	20.21	N	70.10	W	33	N			0.7	12	DOMINICAN REPUBLIC REGION
	01	05	38	44.0*	19.238	S	69.586	W	106	D	4.9		1.4	13	NORTHERN CHILE
	01	05	54	43.9*	53.822	N	159.251	E	92	D	4.3		1.3	23	NEAR EAST COAST OF KAMCHATKA
	01	07	47	31.3*	45.284	N	151.471	E	29	D	4.9	4.4	0.9	51	KURIL ISLANDS
	01	08	00	40.9	43.226	N	18.328	E	10	G			0.4	10	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).
	01	08	03	54.6	67.646	N	15.015	E	10	G			1.0	8	NORTHERN NORWAY. MD 3.6 (BER). Felt (V) at Steigen.
	01	08	13	11.1	44.778	N	151.820	E	33	N	4.7	4.0	0.9	49	EAST OF KURIL ISLANDS
	01	08	38	58.1*	67.689	N	15.064	E	10	G			0.8	5	NORTHERN NORWAY. MD 2.6 (BER). Felt at Steigen.
	01	08	41	09.5%	42.735	N	13.028	E	10	G			0.7	6	CENTRAL ITALY
	01	09	09	38.7	35.367	N	118.222	W	10	G			0.8	19	CENTRAL CALIFORNIA. ML 3.2 (BRK).
	01	10	07	53.6%	42.978	N	18.886	E	10	G			0.3	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	01	10	12	18.8	45.004	N	9.974	E	10	G			1.1	73	NORTHERN ITALY. ML 3.4 (VIE), 3.3 (LDG). MD 3.3 (FIR).
	01	10	15	08.7?	67.71	N	15.02	E	10	G			1.0	4	NORTHERN NORWAY. MD 2.5 (BER).
	01	10	30	10.4%	42.497	N	19.377	E	10	G			0.4	7	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
	01	10	37	11.8%	44.848	N	10.077	E	10	G			0.4	7	NORTHERN ITALY
	01	11	04	25.7%	33.674	S	71.018	W	33	N			1.2	6	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
	01	11	28	00.3	42.791	N	2.079	E	10	G			0.9	20	PYRENEES. ML 3.2 (LDG).
	01	11	38	59.3%	44.992	N	9.968	E	10	G			1.1	6	NORTHERN ITALY
	01	13	43	20.2&	60.318	N	153.503	W	168		3.4			21	SOUTHERN ALASKA. <AEIC>.
	01	14	28	30.3*	37.487	N	118.558	W	5	G			0.2	5	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS). MD 2.9 (GM).
	01	14	45	42.6	42.169	N	20.108	E	5	G			0.7	16	NORTHWESTERN BALKAN REGION. ML 2.2 (TIR), 2.1 (TTG).
	01	15	18	25.1	43.211	N	18.283	E	8				1.4	58	NORTHWESTERN BALKAN REGION. ML 3.5 (TTG), 3.3 (TIR). MD 4.3 (TRI).
	01	15	30	35.7*	6.702	S	155.323	E	370	*	4.4		1.1	15	SOLOMON ISLANDS
	01	16	34	26.3	37.861	N	7.042	E	10	G			0.9	55	WESTERN MEDITERRANEAN SEA. ML 3.9 (LDG). mbLg 3.3 (MDD).
	01	16	38	17.2*	14.316	N	96.056	E	33	N	4.1		1.4	12	ANDAMAN ISLANDS, INDIA
	01	16	40	34.1	44.491	N	10.448	E	10	G			1.0	14	NORTHERN ITALY. ML 2.7 (VIE).
	01	16	44	47.4%	15.737	N	60 857	W	33	N			0.6	9	LEEWARD ISLANDS. ML 2.8 (FDF).
	01	17	03	41.9	35.847	N	118.430	W	5	G			1.0	15	CENTRAL CALIFORNIA. ML 3.0 (BRK).
	01	17	10	56.5%	37.600	N	3.920	W	10	G			0.3	6	SPAIN. mbLg 2.9 (MDD).
	01	17	32	45.5	40.543	N	23.690	E	5	G			0.6	9	GREECE
	01	17	49	53.0?	34.03	S	72.09	W	10	G			0.6	7	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	01	19	15	07.1?	15.02	N	92.41	W	10	G			1.5	10	MEXICO-GUATEMALA BORDER REGION
	01	19	45	18.5?	24.07	S	174.45	W	33	N	4.5		1.4	11	SOUTH OF TONGA ISLANDS
	01	20	39	11.1&	60.065	N	152.725	W	101					59	SOUTHERN ALASKA. <AEIC>.
	01	21	11	19.8*	13.105	N	89.650	W	33	N			0.3	7	EL SALVADOR. Felt (II) at San Salvador.
	01	21	23	21.9	44.476	N	10.519	E	18	*			1.2	15	NORTHERN ITALY. ML 2.6 (VIE).
	01	21	35	33.6%	42.997	N	18.524	E	10	G			0.2	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	01	21	46	31.3	26.468	N	99.897	E	33	N	4.4		1.2	10	YUNNAN, CHINA. ML 3.9 (BJI).
	01	22	01	47.3	43.278	N	18.361	E	5	G			0.6	10	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
	01	22	22	46.7?	22.81	S	179.41	W	600	G	4.4		0.7	7	SOUTH OF FIJI ISLANDS
	01	22	30	38.1	70.902	N	8.049	W	10	G	4.2		0.4	17	JAN MAYEN ISLAND REGION
	01	23	11	33.5?	4.18	S	143.52	E	122	?	4.5		1.4	13	NEW GUINEA, PAPUA NEW GUINEA
	01	23	43	16.9*	22.332	S	178.044	W	366	*	4.9		1.0	53	SOUTH OF FIJI ISLANDS
	01	23	46	31.7?	18.00	N	98.88	W	10	G			1.1	5	GUERRERO, MEXICO
	01	23	55	15.6%	38.576	N	0.681	W	5	G			1.1	5	SPAIN. mbLg 2.7 (MDD).
	02	00	05	43.8*	51.104	N	98.475	E	45	?	4.7		1.3	16	RUSSIA-MONGOLIA BORDER REGION
	02	00	05	58.9*	54.178	N	160.608	W	33	N	4.6		1.1	36	ALASKA PENINSULA
	02	01	47	31.1	34.131	S	70.392	W	10	G			0.8	16	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
	02	02	12	25.4	44.417	N	6.422	E	7				0.6	50	FRANCE. ML 3.0 (LDG), 2.9 (GEN).
	02	02	35	37.2	33.990	N	88.859	E	33	N	4.8		1.1	31	XIJANG
	02	03	28	21.2*	6.284	S	150.353	E	59	*	4.4		0.8	11	NEW BRITAIN REGION, P.N.G.

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	02	04	07	55.8	51.229	N	98.283	E	32	*	4	7	1.1	20	RUSSIA-MONGOLIA BORDER REGION
	02	04	25	16.4?	32.96	S	71.39	W	10	G			0.6	7	NEAR COAST OF CENTRAL CHILE MD 3.3 (SAN).
	02	04	49	11.8*	6.599	S	150.628	E	51	*	4	8 3.7	1.2	10	NEW BRITAIN REGION, P.N.G.
	02	05	28	15.5?	51.05	N	97.92	E	33	N			1.1	5	RUSSIA-MONGOLIA BORDER REGION
	02	05	37	34.0	40.640	N	71.167	E	33	N	4.8	4.0	1.0	58	TAJIKISTAN. ML 5.2 (BJI).
	02	05	50	07.6*	41.417	N	72.103	E	33	N	4.5		1.3	10	KYRGYZSTAN
	02	06	09	57.8?	46.47	N	2.32	E	10	G			0.7	4	FRANCE. ML 1.4 (LDG).
	02	06	10	28.4*	17.996	N	61.402	W	10	G			0.9	9	LEEWARD ISLANDS. ML 3.4 (FDF). MD 3.3 (TRN).
	02	06	17	28.3?	8.77	S	149.64	E	33	N	4.1		1.1	5	EASTERN NEW GUINEA REG., P.N.G.
	02	06	36	03.5*	36.869	N	29.350	E	10	G			0.3	6	TURKEY
	02	07	41	02.7*	6.479	S	150.407	E	33	N	4.3		1.1	9	NEW BRITAIN REGION, P.N.G.
	02	07	42	16.9	35.097	N	118.650	W	10	G			1.3	8	CENTRAL CALIFORNIA. ML 2.3 (GS).
	02	08	09	17.6	41.242	N	20.281	E	5	G			0.8	22	ALBANIA. ML 2.9 (TTG), 2.7 (TIR).
	02	10	20	03.2?	45.61	N	26.87	E	137	?			0.1	5	ROMANIA
	02	10	49	29.2*	44.926	N	152.389	E	33	N	4.7		1.4	21	EAST OF KURIL ISLANDS
	02	11	41	02.3&	62.169	N	149.910	W	45					38	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
	02	11	45	35.6	32.336	N	103.101	W	5	G	4.6		0.8	61	NEW MEXICO. mbLg 5.0 (TUL). Felt (V) at Seagraves, Texas and Jal, Lakewood, Loco Hills and Roswell, New Mexico. Felt (IV) at Carlsbod, Hagerman, Hobbs, Lake Arthur, Loving, Momument and White City, New Mexico. Also felt (IV) at Abernathy, Amherst, Andrews, Aspermont, Crane, Fort Davis, Gail, Kermit, Lamesa, Littlefield, Midland, Monahans, New Home, Odessa, Pecos, Ralls, Seminole, Snyder, Stanton, Sterling City, Sundown, Wilson and Wolfforth, Texas. Felt throughout much of southeastern New Mexico and western Texas from Ruidoso, New Mexico to Abilene, Texas and from Amarillo south as far as Ozono, Texas. Also felt in highrise buildings at San Antonio, Texas.
	02	12	30	49.9	44.970	N	10.014	E	25				1.2	63	NORTHERN ITALY. ML 3.5 (STR), 3.2 (LDG). MD 3.5 (TRI).
	02	12	59	43.2	51.034	N	97.836	E	33	N	4.6		0.9	31	RUSSIA-MONGOLIA BORDER REGION
	02	13	32	55.6	10.763	N	62.631	W	109		4.4		0.9	57	NEAR COAST OF VENEZUELA. MD 4.3 (TRN).
	02	13	44	59.9	44.991	N	10.011	E	27				1.0	63	NORTHERN ITALY. ML 3.5 (LDG), 3.0 (STR).
	02	14	13	25.4	65.460	N	133.821	W	10	G			1.1	13	NORTHERN YUKON TERRITORY, CANADA. ML 3.8 (PGC).
	02	16	05	52.1&	61.555	N	146.451	W	34					35	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).
f	02	16	40	40.6	48.738	N	129.233	W	10	G	5.7	6.0	1.0	383	VANCOUVER ISLAND REGION. Mo=2.0*10**18 Nm (PPT). Two events about 2.3 seconds apart observed on broadband displacement seismograms.
	02	17	06	28.7	34.939	N	26.953	E	63	*	3.7		1.0	18	CRETE. MD 3.9 (ATH).
	02	18	12	06.4	16.100	N	60.647	W	55	*	4.4		0.6	20	LEEWARD ISLANDS. MD 3.7 (TRN).
	02	19	16	25.9*	10.627	N	63.745	W	33	N	3.9		1.1	11	NEAR COAST OF VENEZUELA
a	02	19	41	45.0	5.638	N	73.832	W	134	G	5.8		0.9	459	COLOMBIA. Felt (VI) at Bucaramanga. Felt strongly at Medellin, Bogota, Villavicencio and Sogamoso. Also felt at Monteria and Barranquilla. Depth from broadband displacement seismograms.
	02	19	59	57.3?	12.89	N	124.69	E	33	N	4.9		0.3	9	SAMAR, PHILIPPINE ISLANDS
	02	21	17	48.2*	0.088	N	121.982	E	167	*	4.7		0.7	21	MINAHASSA PENINSULA, SULAWESI
	02	21	29	11.8%	15.655	N	60.458	W	33	N			0.3	8	LEEWARD ISLANDS. ML 2.9 (FDF).
	02	22	06	39.4?	50.33	N	98.16	E	33	N			1.0	6	RUSSIA-MONGOLIA BORDER REGION
	02	22	09	36.9&	48.720	N	129.112	W	10	G	3.9			6	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.3 (PGC).
	02	22	17	51.2?	21.86	S	179.54	E	673	?	4.6		0.7	16	SOUTH OF FIJI ISLANDS
	02	23	13	59.8*	45.007	N	146.452	E	110	G	4.5		0.8	36	KURIL ISLANDS
	02	23	21	57.0?	27.31	S	68.03	W	33	N			1.0	8	CHILE-ARGENTINA BORDER REGION
	02	23	33	15.6?	31.78	S	110.73	E	33	N			0.4	6	WEST OF AUSTRALIA
	02	23	37	25.1%	38.351	S	175.757	E	238				0.5	43	NORTH ISLAND, NEW ZEALAND
	02	23	55	15.8?	38.55	N	0.65	W	10	G			1.0	4	SPAIN
	03	00	02	31.2?	51.41	N	16.15	E	10	G			0.2	4	POLAND
	03	00	56	34.5?	7.39	S	129.73	E	140	?	4.7		1.3	13	BANDA SEA
	03	01	36	30.7?	48.65	N	98.32	E	10	G			0.9	5	MONGOLIA
	03	01	42	56.1*	31.942	N	142.071	E	33	N	3.9		1.1	9	SOUTH OF HONSHU, JAPAN
	03	01	45	02.5?	36.95	N	27.34	E	10	G			0.7	6	DODECANESE ISLANDS
	03	02	05	15.0	7.545	S	130.109	E	27	D	5.0	4.2	1.1	63	TANIMBAR ISLANDS REG., INDONESIA
	03	02	25	18.6?	34.05	S	72.31	W	33	N			0.8	12	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	03	02	59	17.3%	45.009	N	9.977	E	10	G			1.0	9	NORTHERN ITALY
a	03	03	39	20.5	48.965	S	123.462	E	10	G	5.4	5.4	1.1	58	SOUTH OF AUSTRALIA
	03	03	57	47.5	45.086	N	151.355	E	44	D	4.7	4.7	1.2	57	KURIL ISLANDS
	03	03	58	39.7*	7.730	S	67.913	E	10	G	4.2		0.9	11	MID-INDIAN RIDGE
	03	04	00	32.0*	32.797	S	71.179	W	33	N			0.8	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	03	04	17	16.3*	33.081	S	68.003	W	5	G			0.6	9	MENDOZA PROVINCE, ARGENTINA. MD 3.7 (SAN).
	03	04	20	08.5?	18.19	N	67.28	W	33	N			0.8	8	MONA PASSAGE
	03	04	21	22.2	33.946	N	82.465	W	5	G			0.7	10	GEORGIA, USA. MD 3.2 (GS). Felt (IV) at Mount Carmel, South Carolina and (III) at Troy, South Carolina. Also felt (III) at Lincolnton, Georgia.
	03	04	45	04.5&	59.986	N	153.820	W	158		3.0			73	SOUTHERN ALASKA. <AEIC>.
	03	04	59	21.7&	40.808	N	125.045	W	5		4.1			99	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.2 (BRK). Felt at Eureka.
	03	06	09	52.7	52.023	N	152.900	E	471		4.5		0.7	137	NORTHWEST OF KURIL ISLANDS
	03	06	10	49.3?	45.78	N	6.61	E	10	G			0.2	5	FRANCE. ML 2.3 (STR).
	03	06	46	09.8*	51.563	N	7.237	E	10	G			0.9	7	GERMANY. ML 2.2 (BNS). Felt (IV) at Recklinghausen.
	03	06	52	32.1	79.022	N	4.658	E	25	D	4.5	4.6	0.9	28	GREENLAND SEA
	03	06	54	41.9*	41.711	N	23.203	E	5	G			0.2	7	GREECE-BULGARIA BORDER REGION. ML 1.9 (SKO).
	03	07	13	48.6?	33.83	S	118.19	E	10	G			0.8	5	WESTERN AUSTRALIA
	03	07	19	30.9	17.547	N	61.670	W	33	N			0.4	11	LEEWARD ISLANDS. ML 3.2 (FDF). MD 3.1 (TRN).
	03	07	27	49.5?	39.61	N	25.15	E	10	G			0.2	5	AEGEAN SEA
	03	07	34	18.7*	5.742	S	130.973	E	92	?	4.5		0.9	11	BANDA SEA
	03	07	52	43.4?	21.01	S	66.71	W	220	G			0.6	6	SOUTHERN BOLIVIA
	03	08	02	59.5?	39.85	N	24.81	E	10	G			0.3	6	AEGEAN SEA
	03	08	54	31.5%	15.081	N	60.757	W	60	G			1.2	7	LEEWARD ISLANDS
	03	09	34	58.9%	40.580	N	23.128	E	10	G			0.6	6	GREECE
	03	09	46	05.8	43.426	N	5.441	E	10	G			0.6	17	NEAR SOUTH COAST OF FRANCE. ML 2.9 (STR).
	03	09	48	50.3&	36.398	N	121.018	W	9					17	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	03	09	55	44.8*	3.501	N	122.715	E	556	*	5.1		0.7	15	CELEBES SEA
	03	09	59	08.0*	32.160	S	70.168	W	90	G			0.6	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).

	03	10	19	46.8?	31.76	S	71.35	W	60	G			0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	03	10	20	58.1?	37.06	N	29.78	E	10	G			0.1	4	TURKEY
	03	10	25	34.9&	63.024	N	149.416	W	82		2.6			36	CENTRAL ALASKA <AEIC>.
	03	10	49	05.2*	6.909	N	73.057	W	166	*	4.0		1.4	9	NORTHERN COLOMBIA
	03	13	03	55.7?	40.76	N	22.87	E	10	G			0.3	4	GREECE
	03	13	41	07.1?	18.48	S	167.81	E	10	G	4.7		1.2	6	VANUATU ISLANDS
	03	14	58	23.4	29.829	N	137.517	E	511	*	4.6		0.7	41	SOUTH OF HONSHU, JAPAN
	03	15	03	57.4&	38.352	N	122.397	W	7					11	NORTHERN CALIFORNIA. <BRK>. ML 2.8 (BRK). Felt (III) at Yountville. Also felt in the Napa-Sonoma area.
	03	15	05	28.8?	40.95	N	24.39	E	10	G			0.8	5	AEGEAN SEA
	03	15	27	43.7?	14.53	N	60.46	W	33	N			0.1	5	WINDWARD ISLANDS. ML 2.8 (FDF).
	03	16	15	19.6?	22.36	S	67.09	W	64	?	4.2		0.9	6	CHILE-BOLIVIA BORDER REGION
	03	16	35	46.2*	18.985	S	179.806	E	10	G	3.4		0.5	10	FIJI ISLANDS. ML 3.7 (SVA). Felt (V) on Matuku.
	03	16	41	17.2?	52.72	N	169.51	W	33	N	4.2		1.4	12	FOX ISLANDS, ALEUTIAN ISLANDS
	03	16	51	54.6*	52.185	N	169.276	W	33	N	3.9		1.0	16	FOX ISLANDS, ALEUTIAN ISLANDS
	03	17	32	37.5?	5.76	S	150.69	E	33	N	4.5		0.7	7	NEW BRITAIN REGION, P.N.G.
	03	17	38	35.2?	41.48	N	23.88	E	10	G			0.4	5	GREECE-BULGARIA BORDER REGION
	03	17	44	50.1?	16.07	N	60.79	W	33	N			0.7	5	LEEWARD ISLANDS. ML 2.6 (FDF).
	03	18	23	02.5	40.280	N	23.957	E	10	G			1.1	10	GREECE
	03	18	25	46.4?	42.81	N	18.11	E	10	G			0.4	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	03	19	02	28.1?	38.76	N	23.66	E	10	G			0.4	5	GREECE
	03	19	27	07.0*	45.232	N	151.936	E	47	D	4.7	4.0	0.8	53	KURIL ISLANDS
	03	20	53	47.7	45.408	N	152.283	E	43	D	4.8	4.5	1.3	80	EAST OF KURIL ISLANDS
	03	21	12	57.5*	34.088	S	71.453	W	50	G			0.4	7	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	03	22	11	59.7*	51.613	N	7.705	E	10	G			0.8	7	GERMANY. ML 2.3 (BNS). MD 2.6 (UCC).
	03	23	07	28.6	51.575	N	7.190	E	10	G			0.3	8	GERMANY. ML 2.0 (BNS) MD 2.7 (UCC). Felt at Recklinghausen
	03	23	53	44.5*	31.573	S	72.260	W	33	N			0.8	15	OFF COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	04	00	13	45.4	31.630	S	72.240	W	10	G			0.7	17	OFF COAST OF CENTRAL CHILE. MD 4.3 (SAN).
	04	00	44	18.7*	36.936	N	71.469	E	10	G	3.6		1.3	9	AFGHANISTAN-TAJIKISTAN BORD REG.
a	04	00	56	59.1&	66.628	N	94.766	W	18	G	5.2	5.0		227	NORTHWEST TERRITORIES, CANADA. <OTT>. Felt by all at Gjoa Haven and Baker Lake. Also felt at Spence Bay, Repulse Bay and Pelly Bay.
	04	01	22	23.7*	4.954	S	151.411	E	118	*	4.7		0.6	11	NEW BRITAIN REGION, P.N.G.
	04	01	48	45.8*	17.339	N	100.445	W	33	N	3.2		0.8	9	GUERRERO, MEXICO
	04	02	05	07.9	0.183	S	97.402	E	24	D	4.8	4.6	1.1	49	SOUTHWEST OF SUMATERA, INDONESIA
	04	02	17	37.7%	46.358	N	1.849	E	10	G			1.1	17	FRANCE. ML 3.2 (LDG), 2.8 (STR).
	04	02	52	36.6*	51.035	N	98.054	E	33	N	4.5		1.3	11	RUSSIA-MONGOLIA BORDER REGION
	04	02	57	02.3&	63.279	N	150.485	W	130					42	CENTRAL ALASKA. <AEIC>.
	04	03	19	04.1	24.430	N	64.826	W	10	G	4.6		1.3	31	NORTH ATLANTIC OCEAN
	04	03	21	35.5%	10.693	N	61.952	W	10	G			0.8	5	TRINIDAD. MD 3.0 (TRN).
a	04	03	35	21.6	31.954	N	69.991	E	29	D	5.0	5.1	1.2	138	PAKISTAN
	04	03	36	47.0&	36.278	N	118.32B	W	6					17	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK), 3.1 (PAS).
	04	03	40	10.2&	36.259	N	11B.292	W	8					7	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM).
	04	03	43	41.3*	67.649	N	14.800	E	10	G			0.7	5	NORTHERN NORWAY. MD 3.0 (BER).
	04	04	02	26.5?	30.36	S	71.96	W	60	G			1.0	11	NEAR COAST OF CENTRAL CHILE
	04	04	15	00.7	67.651	N	15.083	E	10	G	4.6		1.0	7	NORTHERN NORWAY. MD 3.2 (BER). Felt at Steigen.
	04	06	00	51.9	67.649	N	15.100	E	33	N	3.2		1.3	11	NORTHERN NORWAY. MD 3.5 (BER). Felt at Steigen.
	04	07	07	18.1*	6.346	N	77.100	W	33	N	4.3	3.4	1.4	10	NEAR WEST COAST OF COLOMBIA
	04	07	14	50.5%	31.990	S	117.270	E	10	G			0.4	6	WESTERN AUSTRALIA
	04	07	35	07.7&	36.053	N	121.575	W	11					7	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	04	08	36	30.3*	42.251	N	125.530	W	10	G	3.0		0.7	19	OFF COAST OF OREGON
	04	08	41	23.B%	46.332	N	1.862	E	10				1.0	16	FRANCE. ML 2.5 (LDG).
	04	09	06	27.3	67.652	N	15.065	E	10	G	4.8		1.3	7	NORTHERN NORWAY. MD 3.3 (BER). Felt at Steigen.
	04	09	20	18.1&	59.654	N	154.280	W	175		4.2			80	SOUTHERN ALASKA. <AEIC>.
	04	09	28	38.0*	17.754	S	116.100	W	10	G	4.8		1.0	24	SOUTHERN EAST PACIFIC RISE
	04	10	12	25.0&	59.780	N	152.458	W	81					39	SOUTHERN ALASKA. <AEIC>.
	04	10	24	00.1?	46.37	N	1.82	E	10	G			0.4	4	FRANCE. ML 1.6 (LDG).
	04	10	37	53.6%	39.495	N	16.184	E	10	G			1.0	9	SOUTHERN ITALY
	04	10	57	27.8*	39.405	N	19.815	E	10	G			1.0	8	GREECE-ALBANIA BORDER REGION
	04	11	25	53.8	39.370	N	143.574	E	26	D	4.5	4.3	1.0	33	OFF EAST COAST OF HONSHU, JAPAN
	04	12	13	55.7?	15.51	N	61.39	W	100	G			0.8	8	LEEWARD ISLANDS
	04	13	13	03.6	51.049	N	98.129	E	33	N	4.6		1.0	28	RUSSIA-MONGOLIA BORDER REGION
	04	13	14	43.2*	42.564	N	23.887	E	10	G			1.3	8	BULGARIA
	04	13	40	46.7?	15.61	N	147.16	E	47	?	4.2		0.5	13	MARIANA ISLANDS REGION
	04	14	12	30.1	38.819	N	69.683	E	33	N	4.7		1.1	30	TAJIKISTAN
	04	14	17	17.4	39.312	N	143.691	E	30	D	4.5		1.0	39	OFF EAST COAST OF HONSHU, JAPAN
	04	16	04	43.1?	50.52	N	96.66	E	33	N			1.4	8	RUSSIA-MONGOLIA BORDER REGION
	04	16	26	22.9%	44.988	N	9.940	E	10	G			0.9	8	NORTHERN ITALY
	04	19	42	49.4*	22.581	N	121.251	E	10	G			0.5	8	TAIWAN REGION
	04	21	03	50.9	41.760	N	22.810	E	5	G			0.6	15	NORTHWESTERN BALKAN REGION. ML 2.5 (SKO).
	04	21	14	13.9&	33.810	N	116.900	W	13					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	04	23	35	27.6%	38.981	N	15.547	E	10	G			1.1	6	SICILY
	04	23	48	39.4%	36.970	N	4.472	W	10	G			0.5	6	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
	05	00	00	27.5	22.161	S	68.418	W	124		4.5		0.7	28	NORTHERN CHILE
	05	01	20	46.0*	67.664	N	14.943	E	10	G			1.0	5	NORTHERN NORWAY. MD 2.9 (BER).
	05	02	14	16.5	21.507	N	94.446	E	97		4.5		0.9	33	MYANMAR
	05	03	02	27.8%	40.364	N	22.893	E	10	G			0.4	8	GREECE
	05	03	10	50.9%	40.381	N	22.880	E	10	G			0.5	7	GREECE
	05	03	29	26.1%	40.382	N	22.886	E	10	G			0.3	7	GREECE
	05	03	43	19.0	18.477	S	69.253	W	128	D	4.9		1.2	67	NORTHERN CHILE
	05	03	44	57.5?	40.58	N	22.55	E	10	G			0.5	4	GREECE
	05	05	11	54.3*	67.686	N	14.980	E	10	G			0.7	5	NORTHERN NORWAY. MD 3.0 (BER).
	05	05	31	46.6	37.852	N	30.007	E	17		4.2	3.6	1.0	41	TURKEY. ML 3.8 (CSS). MD 4.3 (HLW).
	05	05	37	14.8%	37.867	N	29.829	E	10	G			1.0	6	TURKEY
	05	05	40	19.5?	61.76	N	2.51	E	10	G			0.8	7	NORWEGIAN SEA. MD 3.1 (BER).
	05	07	27	52.7&	36.245	N	118.267	W	14					9	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	05	08	05	51.9%	18.106	N	77.447	W	10	G			0.1	6	JAMAICA REGION. Felt (III) at Mandeville.
	05	08	25	46.8%	43.042	N	13.142	E	10	G			0.6	6	CENTRAL ITALY
	05	09	40	13.2	37.522	N	2.319	W	5	G			0.9	8	SPAIN. mbLg 3.0 (MDD).
	05	09	44	00.1%	16.214	N	93.971	W	33	N			0.7	5	CHIAPAS, MEXICO
	05	10	32	19.4?	20.84	S	169.54	E	80	?	4.5		1.2	10	VANUATU ISLANDS
	05	10	43	53.9?	22.14	N	121.29	E	10	G			0.2	6	TAIWAN REGION

	05	11	38	46.8	35.497	N	140.237	E	72		5.2	0.7	23	NEAR EAST COAST OF HONSHU, JAPAN
	05	11	46	44 0?	40.30	N	24.00	E	10	G		0.3	4	AEGEAN SEA
	05	12	13	48.2?	15.46	N	60.77	W	139	*	3.7	1.1	12	LEEWARD ISLANDS. MD 3.6 (TRN).
	05	12	16	43.6	43.446	N	12.774	E	10	G		1.1	9	CENTRAL ITALY
	05	12	53	07.4?	40.28	N	24.02	E	10	G		0.3	4	AEGEAN SEA
	05	13	41	04.5?	19.96	S	69.65	W	93	?	4.2	1.0	9	NORTHERN CHILE
	05	14	26	59.5*	37.186	N	29.673	E	10	G		1.1	5	TURKEY
	05	15	55	13.4&	61.069	N	151.349	W	61		2.6		47	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	05	16	58	49.4*	25.620	N	79.505	E	100	G		1.2	7	NORTHERN INDIA
	05	17	14	21.0	40.873	N	71.172	E	16	D	5.0 4.3	1.0	109	TAJIKISTAN. ML 5.0 (BJI).
	05	17	23	19.8?	41.58	N	71.56	E	33	N	4.4	1.5	12	KYRGYZSTAN
	05	18	15	38.3%	37.715	N	15.205	E	10	G		0.9	5	SICILY
	05	20	52	49.5?	44.66	N	6.84	E	10	G		0.3	4	FRANCE. ML 1.5 (GEN).
	05	21	07	36.4?	6.64	S	150.46	E	33	N	4.1	1.4	7	NEW BRITAIN REGION, P.N.G. ML 4.4 (PMG).
	05	21	14	48.3	50.397	N	156.896	E	54	D	4.6	0.7	36	KURIL ISLANDS
	05	21	31	40.4%	42.399	N	13.222	E	10	G		0.7	5	CENTRAL ITALY
	05	21	55	39.1%	38.542	N	14.843	E	10	G		0.3	6	SICILY
	05	23	03	05.0?	17.72	S	115.99	W	10	G	4.7	1.3	29	SOUTHERN EAST PACIFIC RISE
	05	23	26	04.8	24.275	S	66 983	W	172		4.3	1.1	32	SALTA PROVINCE, ARGENTINA
	05	23	47	43.8	35.875	N	21.545	E	46	*	3.8	1.0	32	CENTRAL MEDITERRANEAN SEA
	05	23	51	14.9&	36.187	N	120.287	W	10				9	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	06	01	18	10.9*	40.342	N	49.786	E	33	N	4.5	0.8	25	EASTERN CAUCASUS
	06	02	25	58.8	36.462	N	70.117	E	219	*	4.6	1.0	34	HINDU KUSH REGION, AFGHANISTAN
	06	02	34	54.6?	43.17	N	10.76	E	10	G		0.9	7	CENTRAL ITALY
	06	05	20	37.9%	44.282	N	7.401	E	10	G		0.4	8	NORTHERN ITALY. ML 2.0 (GEN).
	06	05	37	36.2?	16.12	S	179.14	W	400	G	4.3	1.2	34	FIJI ISLANDS REGION
	06	06	29	36.4*	34.012	S	70.242	W	130	G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	06	06	58	52.8%	31.999	S	117.254	E	5	G		0.3	5	WESTERN AUSTRALIA
	06	07	19	11.9&	48.628	N	129.399	W	10	G	3.8		11	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.3 (PGC).
	06	07	45	08.4%	18.180	N	96.252	W	33	N		1.4	9	VERACRUZ, MEXICO
	06	08	28	38.1?	41.53	N	23.00	E	10	G		0.3	4	NORTHWESTERN BALKAN REGION
	06	08	38	12.6&	58.215	N	152.032	W	8		4.2		81	KODIAK ISLAND REGION. <AEIC>. ML 4.2 (AEIC), 4.3 (PMR).
	06	09	33	59.8*	23.156	N	121.310	E	33	N		0.2	6	TAIWAN
	06	09	41	44.9	40.318	N	24.147	E	10	G		1.1	29	AEGEAN SEA
	06	10	37	12.9%	42.584	N	19.161	E	10	G		0.4	8	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	06	10	38	01.0%	42.589	N	19.145	E	10	G		0.6	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	06	10	50	02.7%	42.594	N	19.153	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
	06	11	07	25.2	17.139	S	176.814	W	22	D	5.2 4.9	0.9	90	FIJI ISLANDS REGION. Mo=2.0*10**17 Nm (PPT).
	06	11	30	50.5%	43.069	N	18.916	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
	06	11	50	01.2?	41.47	N	23.03	E	10	G		0.9	5	GREECE-BULGARIA BORDER REGION
	06	12	05	47.1*	35.781	N	4.731	W	10	G		1.0	7	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
	06	12	33	54.4%	44.290	N	7.478	E	10	G		0.5	6	NORTHERN ITALY. ML 1.7 (GEN).
	06	12	51	00.2%	41.103	N	28.467	E	10	G		0.6	6	TURKEY
	06	13	07	47.0%	39.414	N	0.869	W	10	G		1.5	5	SPAIN. mbLg 2.8 (MDD).
	06	13	12	56.2?	40.30	N	24.00	E	10	G		0.5	4	AEGEAN SEA
	06	13	15	51.3?	15.38	N	60.52	W	33	N		0.2	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	06	13	20	19.5*	23.758	N	93.434	E	33	N		0.5	7	MYANMAR-INDIA BORDER REGION
	06	13	27	53.4?	40.29	N	23.99	E	10	G		0.6	4	GREECE
a	06	14	28	14.7	0.683	N	123.336	E	58	D	5.3	1.2	96	MINAHASSA PENINSULA, SULAWESI
	06	14	28	39.3*	6.742	S	128.481	E	135	*	4.2	1.3	13	BANDA SEA
	06	15	50	36.8*	27.645	S	71.611	W	10	G	4.8	1.0	12	NEAR COAST OF NORTHERN CHILE
	06	15	59	06.9	30.669	N	65.985	E	33	N		0.9	7	AFGHANISTAN. Felt at Quetto and Mach, Pakistan.
	06	16	34	27.0?	25.14	N	123.68	E	160	?	4.0	0.2	8	NORTHEAST OF TAIWAN
	06	16	52	00.5%	40.507	N	23.549	E	10	G		0.9	6	GREECE
	06	17	34	14.1	37.078	N	29.457	E	5	G		1.4	10	TURKEY
	06	17	44	06.6*	21.581	S	66.671	W	237	*	3.7	0.7	7	SOUTHERN BOLIVIA
	06	18	04	33.4	41.577	N	20.331	E	10	G		1.0	7	ALBANIA. ML 2.3 (SKO), 2.0 (TIR).
	06	18	22	11.5	36.931	N	21.560	E	50	*	3.7	1.1	27	SOUTHERN GREECE. MD 3.8 (ATH).
	06	18	42	34.6*	19.499	N	100.700	E	33	N		0.3	7	SOUTHEAST ASIA
	06	18	56	24.9	33.583	S	71.116	W	33	N		0.9	10	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	06	19	07	13.5*	33.993	N	73.926	E	64	?	4.3	1.4	12	PAKISTAN
	06	19	28	12.4	33.796	S	70.329	W	10	G	4.0	1.2	21	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
	06	20	41	35.0	33.499	N	138.726	E	22	D	4.5 4.5	1.0	37	SOUTH OF HONSHU, JAPAN
	06	20	44	12.4	33.459	N	138.643	E	21	D	4.7 5.1	1.3	38	SOUTH OF HONSHU, JAPAN
	06	20	54	39.4	14.108	N	146.639	E	44	D	5.1 5.1	1.0	89	MARIANA ISLANDS. Mo=3.2*10**17 Nm (PPT).
	06	20	55	37.7	44.265	N	10.780	E	12			1.3	22	NORTHERN ITALY. ML 2.8 (LDG). MD 2.7 (FIR).
a	06	21	26	01.2	6.261	S	146.417	E	116	D	5.3	1.0	109	EASTERN NEW GUINEA REG., P.N.G.
	06	21	31	56.2?	40.30	N	24.01	E	10	G		0.4	5	AEGEAN SEA
	06	22	17	22.1*	43.982	N	6.957	E	10	G		0.1	5	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG).
	06	22	21	47.9*	29.543	N	130.745	E	64	*	4.1	1.1	27	RYUKYU ISLANDS
	06	23	06	54.5?	45.78	N	151.51	E	33	N	4.6	0.7	12	KURIL ISLANDS
	06	23	42	08.7&	60.340	N	141.208	W	9				12	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	07	00	02	50.2&	65.251	N	139.887	W	18	G			46	NORTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 3.9 (PGC), 3.8 (AEIC), 3.7 (PMR).
	07	00	13	50.5	40.025	N	20.477	E	5	G		1.2	23	GREECE-ALBANIA BORDER REGION. ML 3.0 (TIR). MD 3.3 (ATH).
	07	00	15	27.8?	34.57	S	70.27	W	5	G		0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	07	00	48	57.2	39.133	N	29.463	E	10	G		0.8	9	TURKEY
	07	01	17	35.3*	22.359	S	179.428	W	561	*	4.9	1.0	34	SOUTH OF FIJI ISLANDS
	07	01	36	01.1&	58.688	N	142.684	W	10	G	3.4		77	GULF OF ALASKA. <AEIC>. ML 3.6 (AEIC), 3.7 (PGC), 4.0 (PMR).
	07	02	15	01.1?	40.28	N	24.07	E	10	G		0.7	5	AEGEAN SEA
	07	03	50	27.4	41.751	N	20.194	E	10	G		1.2	20	ALBANIA. ML 2.8 (TIR), 2.7 (TTG).
	07	05	20	45.4&	63.498	N	151.168	W	30				52	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
	07	05	33	03.6&	60.009	N	153.522	W	147				54	SOUTHERN ALASKA. <AEIC>.
	07	05	49	47.1*	37.295	N	37.240	E	10	G	3.4	1.4	11	TURKEY. ML 4.0 (CSS).
	07	06	32	57.0?	31.47	S	67.96	W	10	G		0.6	12	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
	07	07	03	36.2?	30.73	S	179.38	W	311	*	4.4	0.9	10	KERMADEC ISLANDS REGION
	07	07	43	16.5&	63.092	N	150.785	W	117				45	CENTRAL ALASKA. <AEIC>.
	07	09	07	48.8%	43.087	N	0.602	W	10	G		0.4	5	PYRENEES. ML 1.0 (STR).
	07	10	35	38.4	41.278	N	20.271	E	5	G		0.8	25	ALBANIA. ML 3.1 (SKO), 2.8 (TTG), 2.8 (TIR).
	07	10	50	55.8	41.237	N	20.260	E	5	G		1.1	27	ALBANIA. ML 3.0 (TTG), 3.0 (SKO), 2.9 (TIR).
	07	11	06	30.2%	43.085	N	0.605	W	10	G		0.4	5	PYRENEES. ML 1.0 (STR).

	07	11	10	29.3	41.579	N	141.178	E	107		4.8	1	0	74	HOKKAIDO, JAPAN REGION
	07	12	06	28.2*	41.229	N	20.266	E	10	G		1.2		5	ALBANIA. ML 2.2 (TIR), 2.0 (SKO).
	07	12	36	46.4	41.285	N	20.246	E	10	G		1.3		16	ALBANIA. ML 2.6 (TTG), 2.4 (TIR).
	07	12	52	33.4	41.293	N	20.315	E	5	G		0.8		12	ALBANIA. ML 2.3 (TTG), 2.3 (SKO).
	07	13	37	57.4*	36.125	N	71.001	E	175	*	4.6	1.4		13	AFGHANISTAN-TAJIKISTAN BORD REG.
	07	13	54	08.5*	10.098	N	125.268	E	70	*	4.6	0.9		20	LEYTE, PHILIPPINE ISLANDS
	07	14	08	55.1	4.390	S	132.713	E	40	D	5.0	1.2		39	IRIAN JAYA REGION, INDONESIA
	07	14	13	20.9	49.825	N	18.414	E	10	G		0.9		14	CZECHOSLOVAKIA. ML 3.2 (WAR), 3.2 (VIE), 2.8 (BRA). Probable rockburst in the Ostravo-Karvina District.
	07	14	39	59.3	41.276	N	20.259	E	5	G		1.0		16	ALBANIA. ML 2.7 (SKO), 2.4 (TIR), 2.2 (TTG).
	07	15	03	09.8%	43.329	N	18.314	E	5	G		0.4		8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	07	15	42	42.1	39.306	N	27.907	E	10	G		0.4		13	TURKEY. MD 3.1 (ATH).
	07	16	23	09.9	30.118	N	99.537	E	36	*	4.8	1.2		42	SICHUAN, CHINA
a	07	17	25	55.6	45.773	N	151.181	E	44	D	5.2 4.5	0.9		152	KURIL ISLANDS
	07	18	24	24.7&	35.250	N	120.727	W	6					8	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt at San Luis Obispo.
	07	18	36	36.9&	63.638	N	149.498	W	127		2.8			56	CENTRAL ALASKA. <AEIC>.
	07	18	59	37.5	9.683	S	119.580	E	107		5.0	1.0		42	SUMBA REGION, INDONESIA
	07	19	16	55.6	1.097	S	126.927	E	62	*	4.5	0.7		13	SOUTHERN MOLUCCA SEA
	07	19	59	53.2&	59.889	N	153.479	W	130					38	SOUTHERN ALASKA. <AEIC>.
	07	20	57	42.3?	8.98	S	124.57	E	89	*	4.5	0.4		7	TIMOR REGION, INDONESIA
	07	22	10	11.0	5.917	N	125.719	E	143	*	4.6	0.9		27	MINDANAO, PHILIPPINE ISLANDS
	07	22	52	20.8?	35.91	N	5.58	W	10	G		0.7		5	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	07	23	52	38.3*	36.211	N	70.776	E	261	?	4.3	1.1		16	HINDU KUSH REGION, AFGHANISTAN
	08	00	02	51.9&	60.296	N	151.154	W	49					68	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).
	08	00	29	29.5	42.462	N	19.115	E	10	G		0.6		8	NORTHWESTERN BALKAN REGION. ML 1.7 (SKO), 1.1 (TTG).
	08	01	12	27.7*	28.085	S	71.378	W	33	N	3.9	1.3		18	NEAR COAST OF CENTRAL CHILE
	08	01	27	55.7?	41.90	N	22.83	E	10	G		0.3		8	NORTHWESTERN BALKAN REGION. ML 1.5 (SKO).
	08	01	28	03.4?	37.78	N	20.10	E	33	N		1.2		13	IONIAN SEA. MD 3.2 (ATH).
	08	01	32	19.4&	61.281	N	146.922	W	30					58	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), ML 3.3 (PMR).
	08	01	39	32.0	41.767	N	22.858	E	5	G		0.4		17	NORTHWESTERN BALKAN REGION. ML 2.2 (SKO).
	08	01	42	19.8	39.059	N	20.569	E	10	G		1.2		14	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
	08	01	44	44.4	41.777	N	22.855	E	5	G		0.6		16	NORTHWESTERN BALKAN REGION. ML 2.0 (SKO).
	08	02	08	47.7	41.774	N	22.872	E	5	G		0.3		9	NORTHWESTERN BALKAN REGION. ML 2.1 (SKO).
	08	03	35	36.0?	51.63	N	16.25	E	10	G		0.2		9	POLAND. ML 3.5 (GRF), 3.4 (VIE).
	08	05	20	48.5?	38.13	N	20.33	E	10	G		1.2		9	GREECE. MD 3.1 (ATH).
	08	05	27	30.1?	39.08	N	23.32	E	10	G		0.6		4	AEGEAN SEA
	08	06	28	01.1%	36.537	N	3.411	W	10	G		1.1		8	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD). Felt (III) at Castell de Ferra, Spain.
	08	06	29	17.5	51.595	N	7.187	E	10	G		0.2		6	GERMANY
	08	07	09	35.6*	52.795	N	162.734	E	33	N	4.4	1.2		20	OFF EAST COAST OF KAMCHATKA
	08	07	25	15.3	44.548	N	114.168	W	5	G		0.6		11	WESTERN IDAHO. ML 3.4 (GS), 3.5 (BUT).
	08	07	54	12.6?	18.48	S	69.55	W	33	N		0.7		5	NORTHERN CHILE
	08	08	15	13.9&	59.465	N	152.544	W	68					34	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	08	08	48	12.0*	6.935	N	72.972	W	148	*	4.0	1.2		15	NORTHERN COLOMBIA
	08	09	01	36.6?	41.89	N	22.77	E	10	G		0.3		5	NORTHWESTERN BALKAN REGION. ML 1.5 (SKO).
	08	09	37	49.9%	43.121	N	18.822	E	10	G		0.2		8	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	08	09	44	12.4*	40.199	S	173.904	E	173	*		0.5		27	COOK STRAIT, NEW ZEALAND
	08	10	13	05.2?	17.00	N	93.91	W	33	N		1.2		9	CHIAPAS, MEXICO
	08	10	34	20.0	44.518	N	114.111	W	5	G		0.5		27	WESTERN IDAHO. ML 3.4 (GS), 3.7 (BUT).
	08	11	37	49.5%	40.817	N	22.984	E	10	G		0.1		5	GREECE
	08	12	08	18.5%	16.844	N	61.635	W	33	N		0.5		5	LEEWARD ISLANDS
	08	12	19	41.9*	17.816	S	178.212	W	550	G	4.4	1.1		16	FIJI ISLANDS REGION
	08	13	23	47.8*	42.487	N	24.212	E	10	G		0.1		7	BULGARIA. MD 3.2 (ATH).
	08	14	30	33.4%	43.030	N	18.752	E	5	G		0.2		9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	08	14	44	30.9?	47.29	S	166.41	E	104	?	4.2	0.7		17	OFF W. COAST OF S. ISLAND, N.Z.
	08	15	02	39.3*	27.652	S	67.900	W	224	?		1.0		13	CATAMARCA PROVINCE, ARGENTINA
	08	15	38	54.1%	38.128	N	28.896	E	10	G		0.6		5	TURKEY
	08	16	11	19.5	37.952	N	21.157	E	27	*		1.2		15	SOUTHERN GREECE. MD 3.4 (ATH).
	08	16	24	50.3*	13.368	N	145.352	E	77		4.8	0.7		16	MARIANA ISLANDS. Felt (III) at Pago Bay, Guam.
	08	16	52	22.7	15.906	N	60.813	W	33	N		0.4		20	LEEWARD ISLANDS. ML 3.6 (FDF). MD 3.9 (TRN).
	08	17	41	41.5	30.137	N	92.449	E	33	N	4.0	1.3		17	XIJANG
	08	18	04	42.6	15.551	N	95.233	W	22	D	5.0 4.2	1.1		84	NEAR COAST OF OAXACA, MEXICO
	08	18	12	16.4*	44.486	N	129.583	W	10	G		0.4		59	OFF COAST OF OREGON
	08	18	23	52.4*	25.963	N	128.437	E	28	D	4.4	1.3		29	RYUKYU ISLANDS
	08	20	20	33.5	43.430	N	5.429	E	10	G		0.6		16	NEAR SOUTH COAST OF FRANCE. ML 3.1 (STR).
	08	20	41	59.8%	43.512	S	171.115	E	20			0.9		25	SOUTH ISLAND, NEW ZEALAND
	08	20	52	40.6*	38.456	N	21.768	E	5	G		1.5		7	GREECE. MD 3.1 (ATH).
	08	20	56	00.0?	45.19	N	151.89	E	33	N	3.7	1.0		8	KURIL ISLANDS
	08	21	43	24.1?	18.00	N	76.72	W	10	G		0.2		4	JAMAICA REGION
	08	22	32	39.6	41.235	N	20.285	E	5	G		1.1		27	ALBANIA. ML 3.0 (TTG), 2.9 (TIR).
	08	23	02	16.9%	42.235	N	19.568	E	10	G		0.3		7	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
	08	23	05	24.5%	44.497	N	7.296	E	10	G		0.2		5	NORTHERN ITALY. ML 1.5 (GEN).
	09	00	21	21.0%	41.351	N	20.153	E	10	G		1.1		5	ALBANIA. ML 2.1 (TIR).
	09	00	27	42.2*	38.199	N	72.795	E	33	N	4.0	1.2		12	TAJIKISTAN
	09	01	14	41.4?	31.72	S	69.14	W	110	G		0.1		5	SAN JUAN PROVINCE, ARGENTINA
	09	02	53	29.1*	30.110	N	138.956	E	420	*	3.9	0.8		14	SOUTH OF HONSHU, JAPAN
	09	03	06	50.3*	24.726	N	122.539	E	33	N	3.8	1.4		7	TAIWAN REGION
	09	03	30	39.5%	11.337	N	61.738	W	10	G		1.2		10	WINDWARD ISLANDS. MD 3.4 (TRN).
	09	04	03	18.0	17.063	N	99.526	W	33	N	4.7	1.3		63	GUERRERO, MEXICO
	09	04	05	54.6?	46.39	N	150.77	E	33	N	4.4	0.6		10	KURIL ISLANDS
	09	04	51	09.7	43.942	N	7.733	E	10	G		0.7		25	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG), 2.6 (GEN), 1.8 (STR).
	09	05	08	30.4	43.958	N	7.698	E	10	G		0.3		11	NEAR SOUTH COAST OF FRANCE. ML 1.6 (GEN), 1.0 (STR).
	09	05	15	19.2%	11.074	N	61.983	W	33	N		0.4		6	WINDWARD ISLANDS. MD 2.8 (TRN).
	09	05	42	07.5%	44.006	N	7.626	E	10	G		0.3		5	NORTHERN ITALY. ML 1.6 (GEN).
	09	06	06	46.6?	39.89	N	23.74	E	10	G		0.6		5	AEGEAN SEA
	09	07	53	17.6*	8.015	S	128.572	E	42	?	4.5	1.4		9	TIMOR SEA
	09	08	50	45.2&	40.363	N	74.341	W	8					12	NEW JERSEY. <PAL-P>. mbLg 3.0 (OTT). MD 3.1 (PAL). Felt (IV) at Cliffwood Beach, Cranbury, Hawell, Keyport, Manalapan, Old Bridge, Perrineville, South River, Spotswood, Unian Beach and Wickatunk. Felt in Middlesex

														and Monmouth Counties.
	09	09	07	30.0	10.577	N	62.691	W	100	D	4.9	1	0	142 NEAP COAST OF VENEZUELA. MD 5.1 (TRN). Felt (IV) at Port of Spain, Trinidad. Felt (III) at Tacarigua. Also felt at Irapa, El Pilar and Yaguaraparo.
	09	09	37	56.9?	36.07	N	22.35	E	33	N		1	5	5 SOUTHERN GREECE. ML 3.6 (ATH).
	09	10	29	55.2	35.465	N	27.581	E	56	*	3.8	1.1		19 DODECANESE ISLANDS. MD 4.1 (ATH).
	09	10	46	35.9*	15.940	N	60.850	W	33	N		1.0		11 LEEWARD ISLANDS. ML 2.9 (FDF).
	09	11	44	03.5*	2.385	N	127.528	E	27	D	4.8 4.4	1.2		25 NORTHERN MOLUCCA SEA
	09	12	13	42.2&	43.929	N	71.208	W	9					2 VERMONT-NEW HAMPSHIRE REGION. <WES-P>. MD 2.6 (WES). mbLg 2.8 (OTT).
	09	13	08	29.7?	23.35	N	94.10	E	33	N		0.9		8 MYANMAR-INDIA BORDER REGION
	09	13	21	37.6%	37.426	N	1.B64	W	10	G		0.6		6 SPAIN. mbLg 2.8 (MDD).
	09	13	40	01.6?	35.62	N	26.66	E	60	G		1.1		6 CRETE
	09	13	43	24.7	36.188	N	22.730	E	5	G	4.3	1.2		35 SOUTHERN GREECE
	09	13	45	25.9	36.377	N	22.765	E	28		5.0	1.3		202 SOUTHERN GREECE. ML 4.6 (TIR). MD 5.0 (TRI), 4.6 (ATH), 4.6 (HLW).
	09	15	19	03.5?	36.83	S	177.70	E	253	?		0.5		20 OFF E. COAST OF N. ISLAND, N.Z.
	09	15	30	21.5*	42.080	N	125.574	W	10	G	3.1	0.4		19 OFF COAST OF OREGON
a	09	15	39	04.1*	9.003	S	109.355	W	10	G	5.2 5.6	1.3		60 CENTRAL EAST PACIFIC RISE. Mo=1.3*10**18 Nm (PPT).
	09	15	53	58.0*	41.238	N	19.131	E	10	G		1.1		11 ALBANIA. ML 2.9 (TIR). MD 3.3 (ATH).
	09	16	06	19.0	3.744	N	96.913	E	104	*	4.5	1.0		28 NORTHERN SUMATERA, INDONESIA
	09	16	59	42.9&	60.266	N	152.820	W	128					49 SOUTHERN ALASKA. <AEIC>.
	09	17	24	15.3*	66.903	N	20.916	E	10	G		1.0		5 SWEDEN. MD 3.0 (BER).
	09	18	30	52.6	5.250	N	125.373	E	221	*	4.6	1.0		41 MINDANAO, PHILIPPINE ISLANDS
	09	18	45	03.6*	19.786	S	177.889	E	10	G	4.7	1.2		26 SOUTH OF FIJI ISLANDS. ML 4.6 (SVA). Felt (IV) an Kandavu.
	09	19	16	19.8	4.657	S	133.323	E	25	D	5.0	0.9		33 IRIAN JAYA REGION, INDONESIA
	09	19	59	28.4*	36.068	N	22.765	E	10	G	3.7	0.9		31 SOUTHERN GREECE. ML 3.5 (ATH).
	09	21	25	26.4*	6.368	S	105.190	E	61	?	4.6	1.3		20 SUNDA STRAIT
	09	21	28	54.8*	3.490	S	135.924	E	33	N	5.1	1.1		12 IRIAN JAYA REGION, INDONESIA
	09	22	03	11.0*	36.293	N	22.662	E	10	G	3.9	1.3		24 SOUTHERN GREECE. ML 3.2 (ATH).
	09	22	34	58.8	36.297	N	22.694	E	10	G	3.8	1.3		29 SOUTHERN GREECE. ML 3.4 (ATH).
	09	22	52	40.5%	11.321	N	61.892	W	60	G		0.3		7 WINDWARD ISLANDS. MD 3.3 (TRN).
	10	00	24	25.4*	32.868	N	47.874	E	10	G	4.2	1.2		14 IRAN-IRAQ BORDER REGION
a	10	00	38	08.2	13.642	N	120.817	E	144		5.1	1.0		122 MINDORO, PHILIPPINE ISLANDS
	10	01	00	48.8&	31.810	N	116.180	W	6	G				6 BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.4 (PAS).
	10	01	12	37.8	36.273	N	22.750	E	10	G	3.8	1.2		31 SOUTHERN GREECE. ML 3.4 (ATH).
	10	01	36	08.3*	51.074	N	175.801	W	33	N	3.7	0.6		11 ANDREANOF ISLANDS, ALEUTIAN IS.
	10	01	52	43.4	43.908	N	7.745	E	11			0.6		32 NEAR SOUTH COAST OF FRANCE. ML 3.1 (LDG), 2.8 (GEN).
	10	02	00	22.1*	36.067	N	139.589	E	153	*		1.0		15 EASTERN HONSHU, JAPAN
	10	02	19	37.8*	19.424	S	69.176	W	130	*	4.7	1.4		19 NORTHERN CHILE
	10	02	53	01.8*	36.378	N	22.836	E	10	G	3.4	1.5		10 SOUTHERN GREECE. MD 3.4 (ATH).
	10	03	26	48.9?	18.88	N	65.47	W	33	N		0.6		9 PUERTO RICO REGION
	10	03	28	30.0&	58.292	N	151.400	W	27					35 KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
	10	05	18	12.9*	2.624	N	127.991	E	78	?	4.1	0.7		6 NORTHERN MOLUCCA SEA
	10	05	50	16.4*	19.420	N	65.175	W	33	N	3.7	1.0		12 PUERTO RICO REGION
	10	05	52	59.3?	53.90	S	9.20	E	10	G	4.4	0.6		5 SOUTHWEST OF AFRICA
	10	06	00	43.5?	17.54	S	176.24	E	33	N	3.8	0.9		7 FIJI ISLANDS REGION
	10	06	10	38.6	6.836	N	76.314	W	35		4.9	1.1		68 NORTHERN COLOMBIA
	10	07	03	02.5	13.352	S	76.463	W	52	D	5.0	1.0		56 NEAR COAST OF PERU. Felt (IV) at Lima.
	10	07	46	36.5*	67.314	N	23.545	E	10	G		1.2		5 SWEDEN. MD 3.0 (BER).
	10	07	51	05.0*	6.411	S	150.249	E	51	*	4.6	0.6		9 NEW BRITAIN REGION, P.N.G.
	10	08	00	19.8?	2.15	N	127.36	E	33	N	4.4	1.4		6 NORTHERN MOLUCCA SEA
	10	09	11	05.5	48.467	N	6.785	E	10	G		1.1		19 FRANCE. ML 3.2 (LDG).
	10	09	17	09.4*	45.483	N	151.494	E	33	N	4.4	1.2		12 KURIL ISLANDS
	10	09	30	46.5%	39.187	S	178.822	E	33	N		1.2		24 OFF E. COAST OF N. ISLAND, N.Z.
	10	11	15	13.5	11.765	N	42.334	E	10	G	4.9	0.7		24 ETHIOPIA
	10	11	35	32.1*	11.764	N	42.310	E	10	G	3.6	0.5		6 ETHIOPIA
	10	11	37	13.7&	62.440	N	148.016	W	28					45 CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
	10	11	49	03.8*	32.821	S	71.622	W	33	N		1.1		11 NEAR COAST OF CENTRAL CHILE
	10	11	57	49.0&	61.159	N	149.651	W	34					51 SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
	10	13	03	27.6	46.682	N	9.553	E	10	G		0.9		7 SWITZERLAND
	10	13	46	48.8?	41.42	N	22.45	E	10	G		0.2		5 NORTHWESTERN BALKAN REGION. ML 1.8 (SKO).
a	10	14	46	19.1	2.316	N	127.442	E	20	D	5.0 5.1	1.4		41 NORTHERN MOLUCCA SEA
	10	15	09	01.1*	2.511	N	127.610	E	33	N	4.1	0.6		6 NORTHERN MOLUCCA SEA
	10	15	42	27.4&	32.030	N	114.950	W	6	G				3 W. ARIZONA-SONORA BORDER REGION. <PAS-P>. ML 3.4 (PAS).
	10	15	46	28.9*	2.273	N	127.421	E	33	N	4.5	1.0		10 NORTHERN MOLUCCA SEA
	10	15	50	25.8?	40.57	N	23.81	E	10	G		0.9		4 GREECE
	10	15	55	15.1	38.121	N	28.804	E	10	G		1.1		7 TURKEY
	10	16	11	08.4	44.556	N	114.140	W	5	G		0.7		11 WESTERN IDAHO. ML 3.3 (GS), 3.4 (BUT).
	10	16	32	47.3	9.652	S	120.008	E	42	D	4.9 4.3	1.2		41 SUMBA REGION, INDONESIA
	10	17	06	31.1*	16.712	S	73.046	W	89	*	4.7	0.8		10 NEAR COAST OF PERU
	10	17	55	54.1&	60.659	N	156.287	W	20					20 SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
	10	18	33	00.9&	37.037	N	121.468	W	5					20 CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	10	18	51	05.9?	45.67	N	150.95	E	33	N	4.1	1.3		11 KURIL ISLANDS
	10	19	45	58.9*	2.438	N	127.620	E	58	?	4.5 4.3	1.4		27 NORTHERN MOLUCCA SEA
	10	20	12	24.9?	32.90	S	179.43	W	451	?	4.5	1.2		24 SOUTH OF KERMADEC ISLANDS
	10	20	35	23.2	56.080	S	24.435	W	33	N	5.2	1.1		44 SOUTH SANDWICH ISLANDS REGION
	10	20	44	25.7%	44.403	N	7.357	E	10	G		0.7		7 NORTHERN ITALY. ML 1.8 (GEN).
	10	21	17	38.7%	42.791	N	12.694	E	10	G		1.1		7 CENTRAL ITALY
	10	21	58	52.3?	62.05	N	2.67	E	10	G		0.5		9 NORWEGIAN SEA. MD 3.1 (BER).
	10	22	25	40.4*	67.676	N	14.936	E	10	G	4.6	0.6		5 NORTHERN NORWAY. MD 3.2 (BER). Felt at Steigen.
	10	22	55	00.9	41.750	N	142.867	E	50	D	4.9 4.1	1.2		83 HOKKAIDO, JAPAN REGION
	10	23	45	14.2	49.827	N	18.425	E	10	G		1.1		9 CZECHOSLOVAKIA. ML 2.9 (WAR), 2.3 (BRA).
	11	00	42	11.3?	38.09	N	23.82	E	109	?		0.1		5 GREECE
	11	00	45	27.6*	54.955	N	161.727	W	33	N	4.5	1.3		24 ALASKA PENINSULA
	11	00	55	43.1&	61.511	N	146.327	W	35					43 SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	11	00	58	15.4?	37.70	S	179.79	W	33	N	4.2	1.5		26 EAST OF NORTH ISLAND, N.Z.
	11	01	17	27.5?	67.69	N	14.90	E	10	G		1.1		4 NORTHERN NORWAY. MD 2.8 (BER).
	11	01	21	00.2	68.570	N	18.975	W	10	G	4.4 4.0	1.0		27 ICELAND REGION
	11	01	49	56.4?	11.13	N	62.31	W	90	G		0.2		4 WINDWARD ISLANDS. MD 3.0 (TRN).
	11	02	21	08.6*	28.630	S	71.702	W	33	N		1.0		10 NEAR COAST OF CENTRAL CHILE
	11	03	14	55.4	68.769	N	17.306	W	10	G	4.3 3.6	0.8		27 ICELAND REGION

	11	03	46	31.0	31.238	N	35.375	E	10	G			0.7	19	DEAD SEA REGION. MD 3.7 (HLW). ML 3.6 (CSS).
	11	04	30	20.8?	5.06	N	123.40	E	541	?	4.8		0.4	11	MINDANAO, PHILIPPINE ISLANDS
a	11	06	16	55.9	9.311	N	86.964	E	22	D	5.7	5.0	1 0	326	BAY OF BENGAL. Felt in the Madras area, India.
	11	08	33	37.2	31.610	S	69.081	W	33	N			1 3	15	SAN JUAN PROVINCE, ARGENTINA
	11	09	10	10.9%	44.408	N	7.330	E	10	G			0.5	7	NORTHERN ITALY. ML 1.5 (GEN).
	11	09	23	01.0%	38.010	S	176.066	E	234	*			0.4	23	NORTH ISLAND, NEW ZEALAND
	11	09	38	11.9%	39.241	N	15.923	E	10	G			1.3	7	SOUTHERN ITALY
	11	09	51	25.1*	19.278	S	167.790	E	33	N	4.4	3.9	1.5	29	VANUATU ISLANDS REGION
	11	10	38	28.3%	37.936	N	29.510	E	10	G			0.3	5	TURKEY
	11	10	57	44.8?	36.53	N	22.12	E	10	G			1.3	11	SOUTHERN GREECE. MD 3.5 (ATH).
	11	10	58	15.5?	18.56	S	177.50	W	500	G	5.1		1.4	21	FIJI ISLANDS REGION
	11	11	39	07.8	18.716	S	69 416	W	115	D	4.4		1.2	21	NORTHERN CHILE
	11	13	39	00.0?	7.45	S	128.11	E	150	?	4.5		1.1	7	BANDA SEA
	11	13	56	46.4%	40.579	N	23.782	E	10	G			0.3	7	GREECE
	11	14	05	13.5&	58.476	N	143.359	W	10	G				34	GULF OF ALASKA. <AEIC>. ML 2.5 (AEIC).
	11	14	23	14.7&	56.174	N	149.961	W	10	G				49	GULF OF ALASKA. <AEIC>. ML 3.4 (AEIC).
	11	15	25	18.5*	45.363	N	151.016	E	33	N	3.7		0.4	8	KURIL ISLANDS
	11	15	36	46.2	38.791	N	22.303	E	14				1.3	15	GREECE. MD 3.1 (ATH).
	11	15	44	20.6%	43.035	N	18.744	E	10	G			0.4	7	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	11	15	54	24.6&	61.164	N	149.652	W	32					60	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
	11	15	59	27.2?	19.26	S	167.80	E	33	N	4.4		1.3	26	VANUATU ISLANDS REGION
	11	16	15	49.7?	19.39	S	167.96	E	33	N	4.5		1.2	26	VANUATU ISLANDS REGION
	11	17	02	13.5	2.555	S	134.253	E	33	N	4.9	4.3	1.3	31	IRIAN JAYA REGION, INDONESIA
	11	19	37	51.9*	55.614	S	25.221	W	33	N	4.9	5.4	0.8	23	SOUTH SANDWICH ISLANDS REGION
	11	20	09	18.5	38.828	N	70.621	E	17	D	4.8		0.8	67	AFGHANISTAN-TAJIKISTAN BORD REG.
	11	21	01	34.7&	36.392	N	118.032	W	1					11	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK), 3.1 (PAS).
	11	21	55	16.7?	34.64	S	179.37	E	299	*	3.3		1.3	33	SOUTH OF KERMADEC ISLANDS
	11	22	48	33.7&	31.730	N	115.860	W	6	G				8	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.8 (PAS).
	11	22	49	01.5%	47.195	N	6.735	E	10	G			0.3	6	FRANCE. ML 2.2 (LDG).
	11	23	14	55.7&	61.200	N	151.460	W	65		3.7			79	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.5 (PMR). Felt (III) at Anchorage and Skwentna.
	12	00	00	36.2	51.044	N	175.724	W	33	N	4.8	4.9	0.9	81	ANDREANOF ISLANDS, ALEUTIAN IS.
a	12	00	12	27.1	39.671	N	98.300	E	22	D	5.4	4.7	1.0	240	GANSU, CHINA. ML 5.6 (BJI).
	12	00	37	05.0	3.230	S	138.102	E	33	N	4.9		1.2	33	IRIAN JAYA, INDONESIA
	12	00	44	55.6?	6.57	S	130.93	E	33	N			0.2	5	BANDA SEA
	12	00	54	16.3*	17.552	N	101.080	W	71	*	4.4		1.6	29	NEAR COAST OF GUERRERO, MEXICO
	12	02	38	11.0	42.325	N	143.159	E	49		3.7		1.2	20	HOKKAIDO, JAPAN REGION
	12	04	03	09.9?	19.35	S	167.71	E	33	N	4.3		1.6	23	VANUATU ISLANDS REGION
	12	04	39	29.6%	37.018	N	3.637	W	10	G			1.3	7	SPAIN. mbLg 2.8 (MDD). Felt (II) in the epicentral area.
	12	04	58	22.4	39.917	N	23.503	E	10	G			0.3	8	AEGEAN SEA
	12	04	58	39.0*	19.303	S	167.824	E	32	D	4.5	4.6	1.4	44	VANUATU ISLANDS REGION
	12	05	07	13.0	6.666	S	154.632	E	104	*	4.8		1.1	32	SOLOMON ISLANDS
	12	05	07	20.5	41.282	N	23.327	E	5	G			0.7	15	GREECE-BULGARIA BORDER REGION. ML 2.0 (SKO).
	12	05	43	16.5	23.888	S	66.539	W	204	*	4.4		1.1	22	JUJUY PROVINCE, ARGENTINA
	12	06	03	45.1*	26.098	N	126.733	E	82	?	4.1		0.8	12	RYUKYU ISLANDS
	12	07	39	06.5	6.914	S	154.121	E	109	*	5.0		0.7	12	SOLOMON ISLANDS
	12	07	46	34.6	41.806	N	22.074	E	5	G			0.9	28	NORTHWESTERN BALKAN REGION. ML 3.2 (SKO), 3.1 (TTG). Felt (V) in the Probistip-Sveti Nikole area, Yugoslavia.
	12	08	55	49.9?	40.49	N	14.65	E	10	G			1.4	6	SOUTHERN ITALY
	12	08	57	19.1%	43.086	N	0.393	W	10	G			0.0	6	PYRENEES. ML 1.2 (STR).
	12	09	58	19.4&	59.985	N	153.442	W	151					46	SOUTHERN ALASKA. <AEIC>.
	12	11	09	18.1*	57.389	N	7.220	E	10	G			1.0	6	NORTH SEA. MD 2.6 (BER).
	12	11	25	57.2*	45.694	N	150.967	E	33	N	4.8		1.0	20	KURIL ISLANDS
	12	13	06	15.0?	62.25	N	5.69	E	10	G			1.3	4	SOUTHERN NORWAY. MD 1.8 (BER).
	12	13	10	10.7?	38.48	N	12.93	E	10	G			0.4	4	SICILY
	12	14	47	06.6&	49.054	N	118.421	W	5	G				25	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 2.2 (PGC). MD 2.8 (SEA).
	12	15	35	31.6%	41.191	N	23.153	E	10	G			0.4	5	GREECE-BULGARIA BORDER REGION
	12	16	11	02.5*	45.100	N	3.481	E	10	G			0.8	9	FRANCE. ML 2.1 (STR), 2.1 (LDG).
	12	16	23	02.6	51.133	N	98.438	E	33	N	4.7	4.2	1.0	26	RUSSIA-MONGOLIA BORDER REGION
	12	17	26	23.0?	6.45	S	147.71	E	81	?	4.3		0.3	5	EASTERN NEW GUINEA REG., P.N.G.
	12	18	29	02.1	8.948	S	124.298	E	63	D	5.3		1.1	21	TIMOR REGION, INDONESIA
	12	18	40	06.1&	62.332	N	152.434	W	0					47	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.4 (PMR).
	12	19	02	04.1*	45.209	N	151.999	E	43	D	4.5		1.1	23	KURIL ISLANDS
	12	19	04	34.5*	34.173	N	25.371	E	33	N	3.7		0.9	15	CRETE
	12	19	32	48.0?	31.24	S	68.26	W	90	G			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	12	20	09	18.6	42.019	N	142.901	E	37	D	4.9		1.2	52	HOKKAIDO, JAPAN REGION
	12	20	19	09.6*	24.820	N	121.997	E	114	*	3.6		1.0	11	TAIWAN
	12	20	51	58.3?	32.98	S	179.80	W	438	*	5.0		1.0	30	SOUTH OF KERMADEC ISLANDS
	12	20	54	00.9%	39.240	S	174.508	E	247	*			0.4	24	NORTH ISLAND, NEW ZEALAND
	12	21	15	10.8*	33.094	S	179.949	E	33	N	4.3		1.2	10	SOUTH OF KERMADEC ISLANDS
	12	21	42	46.0	54.379	N	161.192	W	55	*	4.7		1.0	53	ALASKA PENINSULA
	12	23	00	11.4&	63.163	N	150.761	W	113					42	CENTRAL ALASKA. <AEIC>.
	12	23	09	02.8%	42.008	N	19.412	E	10	G			0.4	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	12	23	33	11.6	36.565	N	25.432	E	10	G	3.6		1.4	11	DODECANESE ISLANDS. ML 4.0 (ATH).
	13	00	38	31.2	41.843	N	10.750	E	10	G			1.1	45	TYRRHENIAN SEA. ML 3.5 (LDG), 3.1 (STR). MD 3.4 (ROM), 3.2 (FIR).
	13	01	04	47.2?	21.39	N	143.80	E	33	N	4.8		1.6	11	MARIANA ISLANDS REGION
	13	01	13	39.3	38.869	N	22.165	E	10	G			1.2	20	GREECE. MD 3.5 (ATH).
	13	01	18	34.1	38.886	N	22 089	E	12				1.0	17	GREECE. MD 3.4 (ATH).
	13	02	41	15.8?	31.75	S	69.32	W	110	G			0.1	4	SAN JUAN PROVINCE, ARGENTINA
	13	03	43	53.8?	46.20	N	2.91	E	10	G			0.1	4	FRANCE. ML 1.5 (LDG).
	13	03	48	55.5&	38.806	N	122.766	W	3					4	NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM).
	13	04	50	29.5	45.093	N	6.190	E	10	G			0.1	6	FRANCE. ML 2.2 (LDG), 2.2 (STR).
	13	05	34	18.4*	15.430	N	94.347	W	33	N	3.9		1.2	8	NEAR COAST OF OAXACA, MEXICO
	13	05	57	47.2?	37.29	N	22.88	E	33	N			0.5	6	SOUTHERN GREECE
a	13	06	08	44.1	49.150	N	128.998	W	10	G	4.7	4.8	0.8	175	VANCOUVER ISLAND REGION
	13	06	16	30.5	40.449	N	28.629	E	10	G			0.6	7	TURKEY
	13	07	24	15.0?	37.01	N	29.56	E	10	G			0.9	4	TURKEY
	13	08	08	07.3	40.319	S	174.319	E	131		3.8		0.9	33	COOK STRAIT, NEW ZEALAND
	13	09	00	35.7	43.437	N	5.444	E	10	G			0.7	15	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).

	13	09 01	19.3?	10.95	N	86.57	W	33	N	4.0	1 6	12	OFF COAST OF COSTA RICA
o	13	09 37	43.7	20.930	S	178 717	W	575	D	5.7	0.9	305	FIJI ISLANDS REGION. mb 5.6 (BRK).
	13	10 56	25.1*	16.387	N	94.710	W	70	*	3.8	1.3	14	OAXACA, MEXICO
	13	11 40	09.9	17.958	N	121.635	E	23	D	5.0	1.1	78	LUZON, PHILIPPINE ISLANDS
	13	11 56	09.2%	40.129	N	3.501	W	5	G		1.3	6	SPAIN. mbLg 3.3 (MDD).
o	13	11 58	23.1	1.342	N	127.373	E	113	D	6.0	1.1	290	HALMAHERA, INDONESIA
	13	12 16	13.4*	71.326	N	8.645	W	10	G	4.1	1.5	8	JAN MAYEN ISLAND REGION
	13	12 42	55.1	51.552	N	16.147	E	10	G	3.5	0.4	11	POLAND. ML 3.7 (GRF), 3.6 (VIE).
	13	12 43	16.0*	45.170	N	9.986	E	10	G		0.8	7	NORTHERN ITALY
	13	13 00	51.8%	42.830	N	13.520	E	10	G		1.2	7	CENTRAL ITALY
	13	13 02	32.2	10.902	N	62.545	W	70	G		0.5	8	NEAR COAST OF VENEZUELA. MD 3.4 (TRN).
	13	13 27	46.7%	39.709	S	173.893	E	239	?		0.3	17	OFF W. COAST OF N. ISLAND, N.Z.
	13	13 41	40.9%	45.144	N	7.016	E	5	G		0.4	5	NORTHERN ITALY. ML 2.1 (GEN).
	13	13 53	32.4	6.616	S	154.398	E	96	*	5.1	1.1	32	SOLOMON ISLANDS
	13	14 32	06.9	43.145	N	17.169	E	10	G		1.6	33	NORTHWESTERN BALKAN REGION. ML 3.7 (ZAG), 3.6 (VIE), 3.4 (TTG).
	13	15 59	52.1*	44.316	N	8.069	E	10	G		0.6	8	NORTHERN ITALY. ML 2.1 (STR).
	13	17 39	49.0%	66.893	N	20.983	E	10	G		0.5	5	SWEDEN. MD 3.4 (BER).
	13	17 44	50.7*	45.148	N	3.362	E	10	G		1.3	13	FRANCE. ML 2.5 (STR), 2.4 (LDG).
	13	18 36	32.1	24.439	N	92.557	E	33	N	4.5	1.2	26	INDIA-BANGLADESH BORDER REGION. ML 4.0 (BJI).
	13	19 04	10.3&	60.958	N	150.948	W	4				46	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	13	19 07	44.1	17.922	S	179.448	W	583	*	5.1	1.2	64	FIJI ISLANDS REGION
	13	19 52	14.4	46.313	N	8.145	E	10	G		0.9	7	SWITZERLAND
	13	20 10	18.4*	38.405	S	178.973	E	23		4.4	1.2	29	OFF E. COAST OF N. ISLAND, N.Z.
	13	20 33	12.9	38.608	N	26.901	E	10	G		0.6	23	AEGEAN SEA. MD 4.1 (ATH). Felt in the Izmir area, Turkey.
	13	20 50	24.6	84.867	N	98.535	E	10	G	4.3	1.1	34	NORTH OF SEVERNAYA ZEMLYA
	13	21 23	52.2%	40.549	N	23.574	E	10	G		0.3	5	GREECE
	13	22 03	11.9	37.443	N	72.053	E	87	*	4.4	0.6	17	TAJIKISTAN
	13	22 21	21.3	34.241	N	113.325	E	16		4.4	1.3	18	SOUTHEASTERN CHINA. ML 4.6 (BJI).
	13	22 38	26.7*	16.184	N	60.423	W	33	N	3.8	1.0	12	LEEWARD ISLANDS. ML 3.3 (FDF).
	13	23 14	18.7	44.879	N	8.475	E	10	G		1.3	18	NORTHERN ITALY. ML 2.4 (GEN).
	13	23 38	25.3?	19.00	S	172.76	W	33	N	5.3	1.4	24	TONGA ISLANDS REGION
	13	23 59	52.3%	38.424	N	13.072	E	10	G		1.5	5	SICILY
	14	00 21	38.8?	31.32	S	68.41	W	90	G		0.0	4	SAN JUAN PROVINCE, ARGENTINA
	14	00 34	0i.0	37.638	N	26.759	E	10	G		1.0	12	DODECANESE ISLANDS. ML 4.0 (ATH).
	14	01 51	12.2%	40.595	N	23.606	E	10	G		0.4	5	GREECE
	14	02 36	49.9?	34.68	S	70.17	W	129	*		1.0	15	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
	14	02 50	56.5	46.890	N	0.390	E	20			0.8	27	FRANCE. ML 3.7 (LDG), 3.4 (STR).
	14	03 45	05.3&	61.615	N	149.850	W	43				43	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	14	04 26	54.2&	31.800	N	116.240	W	6	G			10	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.3 (PAS).
	14	05 43	51.3	44.830	N	6.759	E	10	G		0.5	18	FRANCE. ML 2.6 (LDG), 2.3 (GEN).
	14	06 15	57.9&	57.665	N	142.849	W	10	G			72	GULF OF ALASKA. <AEIC>. ML 3.8 (AEIC), 3.9 (PMR), 3.9 (PGC).
	14	06 29	12.0	41.505	N	142.068	E	74		4.6	1.1	39	HOKKAIDO, JAPAN REGION
	14	09 16	02.8%	44.176	N	8.331	E	10	G		0.3	9	NORTHERN ITALY. ML 2.3 (GEN).
	14	09 51	49.3*	30.302	S	72.305	W	33	N		1.3	11	OFF COAST OF CENTRAL CHILE
	14	10 45	14.5*	55.617	S	25.212	W	33	N	5.2	1.1	28	SOUTH SANDWICH ISLANDS REGION
	14	12 22	22.8	51.527	N	16.167	E	10	G	3.5	0.2	13	POLAND. ML 3.8 (VIE), 3.6 (GRF).
	14	14 13	40.2*	6.005	S	146.662	E	58	*	4.2	0.7	6	EASTERN NEW GUINEA REG., P.N.G.
	14	14 58	36.2?	37.31	N	30.01	E	10	G		0.7	4	TURKEY
	14	15 03	43.6*	51.461	N	175.312	W	33	N	4.2 4.3	1.2	20	ANDREANOF ISLANDS, ALEUTIAN IS.
	14	15 24	38.0%	38.117	S	176.474	E	185	*		0.6	20	NORTH ISLAND, NEW ZEALAND
	14	15 52	30.7*	39.921	N	76.580	E	33	N	4.3	0.9	9	SOUTHERN XINJIANG, CHINA
	14	16 03	05.8*	56.106	S	26.451	W	33	N	5.1	1.5	22	SOUTH SANDWICH ISLANDS REGION
	14	16 54	55.1?	43.87	N	7.15	E	10	G		0.8	4	NEAR SOUTH COAST OF FRANCE. ML 1.8 (LDG).
	14	17 27	26.0	41.733	N	22.873	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 2.2 (SKO).
	14	18 14	11.0	38.142	N	20.747	E	10	G	4.0	1.3	33	GREECE. MD 3.7 (ATH).
	14	18 52	56.6	40.366	N	25.843	E	10	G		1.2	7	AEGEAN SEA
	14	20 53	52.4*	52.578	N	169.561	W	33	N	4.7	0.8	32	FOX ISLANDS, ALEUTIAN ISLANDS
	14	21 18	32.6*	33.159	S	178.689	W	33	N	5.0	1.6	15	SOUTH OF KERMADEC ISLANDS
	14	21 23	09.0*	32.929	S	178.736	W	33	N	4.4	0.9	9	SOUTH OF KERMADEC ISLANDS
	14	21 27	26.8%	31.957	S	117.507	E	10	G		1.6	7	WESTERN AUSTRALIA
	14	22 57	36.3*	56.130	S	24.976	W	33	N	4.8	1.5	13	SOUTH SANDWICH ISLANDS REGION
	14	22 58	40.9	52.356	N	169.533	W	33	N	4.7	0.8	58	FOX ISLANDS, ALEUTIAN ISLANDS
	15	00 11	30.2%	16.180	N	94.927	W	33	N		1.7	8	OAXACA, MEXICO
	15	00 20	51.4*	8.495	N	126.676	E	35	D	4.7 4.0	1.1	28	MINDANAO, PHILIPPINE ISLANDS
	15	00 35	21.3%	41.229	N	23.087	E	10	G		0.7	8	GREECE-BULGARIA BORDER REGION
	15	00 40	34.6%	40.598	N	23.638	E	10	G		0.2	5	GREECE
o	15	01 18	12.7	2.169	S	77.041	W	148	D	5.1	1.0	195	PERU-ECUADOR BORDER REGION
	15	02 27	28.7	43.080	N	0.034	W	10	G		1.2	20	PYRENEES. ML 3.2 (LDG). mbLg 2.9 (MDD). Felt (III) at Lourdes, France.
	15	03 32	11.8?	31.58	S	176.72	W	33	N	5.0	1.6	11	KERMADEC ISLANDS REGION
	15	03 46	39.5%	46.724	N	2.041	E	10	G		0.7	5	FRANCE. ML 1.7 (LDG).
	15	04 58	51.8&	36.307	N	120.458	W	10				34	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK), 3.7 (PAS). Felt (IV) at Caalinga.
o	15	05 00	32.8	13.939	N	120.667	E	147	D	5.1	1.0	126	MINDORO, PHILIPPINE ISLANDS
	15	05 12	39.6%	40.738	N	29.216	E	10	G		0.3	5	TURKEY
	15	06 08	16.6?	31.26	S	68.92	W	90	G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
	15	06 17	37.6%	43.437	N	5.433	E	10	G		0.6	16	NEAR SOUTH COAST OF FRANCE. ML 2.8 (STR).
	15	06 57	27.2?	34.20	S	70.85	W	96	?		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
o	15	06 58	32.4	18.017	N	70.618	W	10	G	5.8 5.3	1.0	382	DOMINICAN REPUBLIC REGION. Felt strongly at Bani, Barahona, Mao, Pedernales and Santiago. Felt lightly at Santo Domingo.
	15	07 32	41.1?	25.54	N	127.44	E	33	N	4.3	1.0	8	RYUKYU ISLANDS
	15	07 43	26.8?	32.33	S	179.76	E	365	?	4.2	1.1	8	SOUTH OF KERMADEC ISLANDS
	15	07 59	30.1&	60.062	N	152.529	W	91		3.0		68	SOUTHERN ALASKA. <AEIC>.
	15	08 42	46.2?	14.73	S	174.18	W	33	N	4.4	1.4	25	SAMOA ISLANDS REGION
	15	09 23	09.6?	17.54	S	70.26	W	154	*	3.5	0.9	8	NEAR COAST OF PERU
	15	09 28	23.0%	40.325	N	23.334	E	10	G		0.1	5	GREECE
	15	09 34	07.6?	31.21	S	68.48	W	90	G		0.8	5	SAN JUAN PROVINCE, ARGENTINA
	15	11 01	28.2%	44.322	N	8.267	E	10	G		0.3	8	NORTHERN ITALY. ML 2.2 (GEN).
	15	12 29	48.7?	44.20	N	4.04	E	10	G		0.6	5	FRANCE. ML 2.5 (LDG).

	15	12	32	32.5&	62.433	N	148.180	W	24				54	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	15	13	09	45.8*	35.445	N	37.077	E	10	G		1.2	9	JORDAN - SYRIA REGION
	15	15	50	49.9&	61.598	N	146.490	W	29				56	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
	15	15	58	34.8&	61.539	N	151.548	W	70				48	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	15	16	26	24.5?	45.59	N	151.23	E	33	N	4.2	0.8	5	KURIL ISLANDS
	15	16	59	32.1&	62.186	N	148.337	W	44				66	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.1 (PMR).
	15	17	00	06.8%	31.305	S	68.528	W	90	G		0.1	6	SAN JUAN PROVINCE, ARGENTINA
	15	17	16	27.8&	41.239	N	74.160	W	7				2	NEW YORK. <PAL-P>. MD 2.5 (PAL). Felt (IV) at Harriman and Monroe. Also felt at Tuxedo and Holly Mills State Park.
	15	17	17	39.9	39.860	N	71.510	E	33	N	4.3	0.9	12	TAJIKISTAN
	15	17	49	57.0*	51.119	N	98.123	E	33	N	4.2	1.5	15	RUSSIA-MONGOLIA BORDER REGION
	15	19	48	21.0%	40.458	N	23.534	E	10	G		0.4	5	GREECE
	15	19	54	33.1?	43.84	N	7.14	E	10	G		0.6	4	NEAR SOUTH COAST OF FRANCE. ML 1.0 (STR).
	15	20	25	38.1	51.403	N	15.943	E	10	G		0.6	10	POLAND. ML 3.0 (VIE).
	15	20	49	45.1	42.292	N	1.141	E	10	G		1.0	23	PYRENEES. ML 3.1 (LDG). mbLg 3.1 (MDD).
	15	22	19	28.1	46.991	N	6.866	E	10	G		1.3	13	SWITZERLAND. ML 2.6 (LDG), 2.4 (STR).
	15	23	27	32.4	44.318	N	6.784	E	10	G		0.4	25	FRANCE. ML 2.5 (LDG), 2.2 (GEN).
	15	23	31	46.4	24.425	N	142.789	E	25	D	5.1 4.4	1.1	66	VOLCANO ISLANDS REGION
	16	01	23	32.2&	62.319	N	150.061	W	15				46	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
	16	01	56	14.9?	61.92	N	4.53	E	10	G		1.4	8	SOUTHERN NORWAY. MD 2.9 (BER).
	16	02	15	06.4%	44.143	N	5.077	E	10	G		1.0	7	FRANCE. ML 2.7 (LDG).
	16	03	38	33.4	42.199	N	125.724	W	10	G	3.0	0.5	44	OFF COAST OF OREGON
	16	04	20	09.3*	42.180	N	125.659	W	10	G	2.8	0.5	21	OFF COAST OF OREGON
	16	04	54	46.0*	32.669	S	71.560	W	10	G		0.7	11	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	16	07	12	17.5&	59.559	N	152.617	W	89				33	SOUTHERN ALASKA. <AEIC>.
	16	08	06	46.6*	41.613	N	20.810	E	10	G		0.4	6	ALBANIA. ML 3.1 (SKO).
	16	08	48	10.4?	31.32	S	68.68	W	90	G		0.0	4	SAN JUAN PROVINCE, ARGENTINA
	16	08	56	55.7?	31.58	S	69.17	W	110	G		0.0	4	SAN JUAN PROVINCE, ARGENTINA
	16	09	49	29.8?	17.18	N	101.69	W	33	N	3.3	1.5	6	NEAR COAST OF GUERRERO, MEXICO
	16	09	54	00.3%	40.669	N	22.975	E	10	G		0.7	6	GREECE
	16	10	20	47.4	32.050	N	59.924	E	15	D	4.9	0.9	81	NORTHERN IRAN
	16	10	32	27.5?	33.08	S	178.55	W	82	?	5.0	1.5	18	SOUTH OF KERMADEC ISLANDS
	16	10	38	46.9	43.534	N	3.281	E	10	G		1.2	17	NEAR SOUTH COAST OF FRANCE. ML 2.9 (LDG).
	16	10	41	44.3?	51.57	N	16.21	E	10	G		0.6	9	POLAND
	16	10	50	57.3%	43.090	N	0.615	W	5	G		0.3	5	PYRENEES. ML 1.0 (STR).
	16	11	46	01.8%	32.043	S	117.398	E	33	N		1.6	8	WESTERN AUSTRALIA
	16	11	51	21.0	41.211	N	22.435	E	10	G		0.2	7	NORTHWESTERN BALKAN REGION. ML 2.0 (SKO).
	16	12	32	06.4?	43.40	N	5.36	E	10	G		0.8	9	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
	16	12	32	29.0	35.950	N	29.138	E	10	G		1.4	19	EASTERN MEDITERRANEAN SEA. ML 4.0 (CSS). MD 4.0 (HLW).
	16	12	58	13.8	18.947	S	175.393	W	231	D	5.1	1.2	98	TONGA ISLANDS
	16	14	12	15.4*	31.726	S	68.610	W	10	G		1.3	5	SAN JUAN PROVINCE, ARGENTINA
	16	14	13	33.9	2.421	S	140.113	E	33	N	4.7	1.1	23	NEAR NORTH COAST OF IRIAN JAYA
	16	14	14	35.8	10.871	N	61.517	W	55	?		0.4	18	TRINIDAD. MD 3.8 (TRN). Felt (III) on Trinidad.
	16	14	28	08.3*	31.266	S	69.037	W	100	G		0.9	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
	16	14	45	34.2?	40.75	N	29.59	E	10	G		0.9	5	TURKEY
	16	15	18	40.8%	44.696	N	6.795	E	5	G		0.3	7	FRANCE. ML 1.9 (GEN).
	16	16	10	49.8	41.977	N	21.482	E	10	G		0.3	10	NORTHWESTERN BALKAN REGION. ML 2.1 (SKO). Felt (IV) at Skopje, Yugoslavia.
	16	16	40	46.8?	31.20	S	68.49	W	90	G		0.2	4	SAN JUAN PROVINCE, ARGENTINA
	16	17	38	07.4	36.550	N	139.300	E	33	N	3.4	0.7	6	EASTERN HONSHU, JAPAN
	16	17	39	27.5	35.920	N	140.195	E	33	N	4.5	1.5	20	NEAR EAST COAST OF HONSHU, JAPAN
a	16	18	46	49.7	41.514	N	141.850	E	73	D	5.1	1.2	217	HOKKAIDO, JAPAN REGION
	16	19	48	18.2?	36.22	N	29.18	E	10	G		0.4	5	TURKEY
	16	19	56	03.9?	15.45	S	167.68	E	121	?	4.7	1.4	50	VANUATU ISLANDS
	16	19	58	10.9?	41.41	N	73.61	E	33	N	4.5	1.5	9	KYRGYZSTAN
	16	20	10	32.6%	42.450	N	13.230	E	10	G		0.7	5	CENTRAL ITALY
	16	20	25	39.9?	34.37	N	72.01	E	33	N	3.4	0.8	7	PAKISTAN
	16	20	58	50.2	52.954	N	159.664	E	44	D	5.1	0.9	153	OFF EAST COAST OF KAMCHATKA
	16	21	50	14.6?	23.58	S	66.65	W	202	?	3.8	1.1	10	JUJUY PROVINCE, ARGENTINA
	16	22	17	45.4*	40.566	N	23.624	E	5	G		0.4	8	GREECE
	16	23	02	37.4*	3.195	S	129.645	E	33	N	4.9	1.1	19	SERAM, INDONESIA
	16	23	12	50.3%	40.541	N	23.441	E	5	G		0.6	6	GREECE
a	17	00	15	27.1	52.928	N	159.702	E	43	D	5.5 4.7	0.9	359	OFF EAST COAST OF KAMCHATKA
	17	01	28	30.6	32.037	N	59.767	E	33	N	4.4	1.0	27	NORTHERN IRAN
	17	02	43	12.8%	40.574	N	23.437	E	5	G		0.6	7	GREECE
	17	04	12	17.2	34.404	N	25.421	E	33	N	4.2	1.3	55	CRETE
	17	04	43	05.9	0.249	S	123.229	E	103	*	5.0	0.9	26	MINAHASSA PENINSULA, SULAWESI
	17	05	04	19.4&	53.103	N	132.986	W	10	G	3.7		12	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.6 (PGC). Felt mildly from Queen Charlotte City to Masset.
	17	06	22	06.9*	16.897	N	61.439	W	33	N		1.5	8	LEEWARD ISLANDS. ML 2.6 (FDF). MD 2.5 (TRN).
	17	06	27	19.9	40.505	N	22.794	E	10	G		0.9	19	GREECE
	17	08	27	12.7&	35.270	N	120.837	W	9				17	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt (III) at Morro Bay and (II) at Avila Beach. Also felt at Diablo Canyon.
	17	09	10	56.8&	37.757	N	122.567	W	10				11	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). Felt in the Sunset and Haight-Ashbury Districts, San Francisco.
	17	10	06	45.0*	29.068	S	67.104	W	132	*	4.0	0.5	10	LA RIOJA PROVINCE, ARGENTINA
	17	10	18	28.3?	33.33	S	178.71	W	33	N	5.0	1.7	10	SOUTH OF KERMADEC ISLANDS
	17	10	31	28.2*	15.037	S	177.726	W	381	D	4.6	1.3	79	FIJI ISLANDS REGION
	17	10	31	32.8	40.490	N	22.813	E	10	G		0.8	14	GREECE
	17	10	39	36.4&	57.969	N	152.751	W	34				42	KODIAK ISLAND REGION. <AEIC>. ML 3.1 (AEIC), 3.0 (PMR).
	17	10	44	10.3?	38.68	N	20.63	E	10	G		0.1	4	GREECE. MD 3.0 (ATH).
	17	11	08	07.6%	43.970	N	7.220	E	10	G		0.7	11	NEAR SOUTH COAST OF FRANCE
	17	11	48	24.0	40.408	N	26.139	E	10	G		0.9	21	TURKEY
	17	12	28	04.2	44.537	N	114.160	W	5	G		0.5	11	WESTERN IDAHO. ML 3.3 (GS), 3.4 (BUT).
	17	12	32	07.1%	43.425	N	5.445	E	10	G		0.4	7	NEAR SOUTH COAST OF FRANCE. ML 3.2 (STR).
	17	12	47	32.1?	41.17	N	21.97	E	5	G		0.9	4	NORTHWESTERN BALKAN REGION
	17	13	01	28.2*	57.736	S	25.543	W	33	N	4.8	1.0	11	SOUTH SANDWICH ISLANDS REGION
	17	13	09	23.9%	42.770	N	19.169	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
	17	14	59	41.7?	14.82	N	60.76	W	33	N		0.1	4	WINDWARD ISLANDS. ML 1.9 (FDF).
	17	15	49	15.0*	50.116	N	160.571	E	42	D	4.3	1.2	19	EAST OF KURIL ISLANDS
	17	16	31	17.4%	44.338	N	8.245	E	10	G		0.2	7	NORTHERN ITALY. ML 1.5 (GEN).

17	17	16	46.4?	38.11	N	2.69	W	10	G			0.2	4	SPAIN mbLg 2.7 (MDD).
17	18	00	55.5?	40.54	S	155.38	E	10	G	4.6		1.3	11	SOUTHEAST OF AUSTRALIA
17	18	13	58.6	48.078	N	7.586	E	10	G			0.8	14	FRANCE. ML 2.6 (LDG), 2.1 (STR).
17	19	15	16.4?	45.66	N	151.21	E	33	N	3.9		1.5	5	KURIL ISLANDS
17	20	48	18.6	39.697	N	16.653	E	21		3.5		1.0	75	SOUTHERN ITALY. ML 3.5 (TTG).
17	20	55	58.1	33.716	N	137.007	E	358		4.5		0.9	65	NEAR S. COAST OF HONSHU, JAPAN
17	21	35	09.3%	44.526	N	7.238	E	10	G			0.1	5	NORTHERN ITALY. ML 1.9 (GEN).
17	22	28	26.3?	44.51	N	7.24	E	10	G			0.0	4	NORTHERN ITALY. ML 1.7 (GEN).
17	22	59	53.6*	51.239	N	15.956	E	10	G			0.5	8	POLAND. ML 3.3 (VIE)
17	23	00	48.0	45.046	N	6.778	E	10	G			1.2	13	FRANCE. ML 2.2 (LDG), 2.1 (GEN).
17	23	02	56.0%	40.130	N	27.877	E	10	G			0.7	7	TURKEY
17	23	06	37.9%	42.554	N	12.865	E	10	G			0.6	11	CENTRAL ITALY
17	23	59	13.3%	42.567	N	12.804	E	10	G			1.2	5	CENTRAL ITALY
18	00	01	50.9?	10.24	N	126.48	E	33	N	4.3		0.7	7	PHILIPPINE ISLANDS REGION
18	01	52	15.7%	42.705	N	18.670	E	10	G			0.2	5	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
18	02	00	33.6*	20.304	S	168.719	E	33	N	4.3	4.0	1.3	15	LOYALTY ISLANDS
18	02	11	16.7?	18.80	S	168.95	E	163	*	4.7		1.4	16	VANUATU ISLANDS
18	02	54	51.9	44.524	N	114.098	W	5	G			0.9	12	WESTERN IDAHO. ML 3.4 (GS), 3.5 (BUT).
18	03	17	54.7?	19.16	N	98.32	W	10	G			0.6	4	CENTRAL MEXICO
18	03	45	59.6*	7.268	S	155.217	E	33	N	4.4		0.9	12	SOLOMON ISLANDS
18	04	43	50.3&	40.580	N	124.563	W	21					7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
18	04	50	21.3	8.786	N	61.395	W	38	D	4.0		1.3	27	VENEZUELA
18	05	47	42.4*	42.838	N	145.759	E	33	N	4.3		1.0	24	HOKKAIDO, JAPAN REGION
18	07	40	07.5*	12.107	S	165.319	E	28	D	4.7		1.2	35	SANTA CRUZ ISLANDS
18	07	52	41.6&	47.403	N	122.709	W	14		2.7			76	WASHINGTON. <SEA>. MD 3.1 (SEA). Felt (III) at Grapeview, Olalla and Vaughn. Felt (II) at Burley. Also felt at Belfair.
18	08	20	06.6&	59.032	N	151.691	W	46					28	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
18	09	18	07.7&	31.730	N	115.870	W	6	G				8	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.4 (PAS).
18	09	18	59.7%	42.366	N	18.922	E	10	G			0.6	5	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
18	11	08	13.5?	37.13	N	3.14	W	10	G			1.2	4	SPAIN
18	11	17	58.6	40.678	N	15.843	E	10	G			1.4	10	SOUTHERN ITALY
18	11	33	01.1&	50.184	N	127.967	W	34		3.5			27	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.5 (PGC). Felt strongly at Port Alice, British Columbia.
18	11	35	05.2	43.182	N	0.089	E	10	G			1.2	48	FRANCE. ML 3.9 (LDG). mbLg 3.5 (MDD). Felt (IV) at Bagneres de Bigorre.
18	11	51	48.5%	44.109	N	9.577	E	10	G			0.3	5	NORTHERN ITALY
18	12	05	52.5&	31.700	N	115.850	W	6	G				14	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.9 (PAS).
18	12	52	44.3	45.654	N	3.786	E	10	G			0.8	12	FRANCE. ML 2.1 (LDG).
18	13	54	01.5	35.008	N	27.837	E	40	*	3.9		1.2	38	DODECANESE ISLANDS. MD 4.0 (ATH), 3.9 (HLW).
18	14	02	08.9	44.535	N	114.100	W	5	G			1.1	11	WESTERN IDAHO. ML 3.2 (GS), 3.4 (BUT).
18	14	48	09.7%	40.768	N	23.654	E	10	G			0.7	8	GREECE
18	15	42	13.6*	35.170	S	71.594	W	33	N	5.0		1.4	20	CENTRAL CHILE
18	16	45	53.6&	64.706	N	146.826	W	4					16	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
18	17	11	56.0	39.484	N	21.354	E	10	G			1.3	12	GREECE. MD 3.2 (ATH).
18	17	44	10.4	36.463	N	70.833	E	114	D	4.8		1.1	84	HINDU KUSH REGION, AFGHANISTAN
18	18	35	00.0	24.042	S	66.851	W	187		4.8		1.2	71	SALTA PROVINCE, ARGENTINA
18	18	37	12.0%	44.518	N	7.264	E	5	G			0.2	5	NORTHERN ITALY. ML 1.5 (GEN).
18	19	07	19.8*	38.412	N	9.184	W	10	G			1.3	14	PORTUGAL. mbLg 3.2 (MDD).
18	19	14	15.6	40.190	N	16.231	E	10	G			1.4	9	SOUTHERN ITALY
18	22	40	30.1%	18.514	N	66.338	W	33	N			1.3	8	PUERTO RICO REGION
18	23	10	02.9	3.963	N	123.035	E	541	D	5.4		1.0	160	CELEBES SEA
18	23	50	26.6?	37.29	N	28.73	E	10	G			1.2	4	TURKEY
18	23	51	50.5*	26.846	S	26.816	E	5	G	4.6		1.2	14	REPUBLIC OF SOUTH AFRICA
19	00	16	09.1*	4.771	S	152.785	E	61	*	4.7		0.4	14	NEW BRITAIN REGION, P.N.G.
19	00	17	19.4%	43.146	N	18.812	E	10	G			0.2	5	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
19	00	31	55.1?	17.96	S	178.58	W	638	?	4.8		1.1	36	FIJI ISLANDS REGION
19	00	34	59.9&	58.805	N	152.389	W	55					37	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
19	00	36	42.1*	24.094	S	179.745	W	500	G	4.9		1.2	38	SOUTH OF FIJI ISLANDS
19	00	57	33.2*	42.020	N	20.515	E	10	G			0.7	12	NORTHWESTERN BALKAN REGION. ML 2.8 (SKO), 2.6 (TTG).
19	01	41	53.6?	39.45	N	15.31	E	10	G			0.7	5	SOUTHERN ITALY
19	01	50	25.3	47.374	N	18.921	E	10	G			0.5	9	HUNGARY. ML 3.1 (BRA). Felt (IV) in the area south of Budapest.
19	03	00	16.9&	48.667	N	121.509	W	1					38	WASHINGTON. <SEA>. MD 2.7 (SEA).
19	03	32	19.8*	37.149	N	21.470	E	10	G			1.3	6	SOUTHERN GREECE. MD 3.5 (ATH).
19	03	54	59.9&	63.083	N	150.473	W	112		2.6			45	CENTRAL ALASKA. <AEIC>.
19	06	35	19.1?	18.50	S	177.46	E	10	G			1.0	6	FIJI ISLANDS. MD 3.1 (SVA). Felt (V) in the Sigatoka area.
19	06	57	16.4?	24.94	S	179.52	E	500	G	4.7		1.4	35	SOUTH OF FIJI ISLANDS
19	07	00	58.1?	29.74	N	139.14	E	400	G	4.5		0.7	8	SOUTH OF HONSHU, JAPAN
19	07	24	13.5%	16.842	N	61.627	W	32				0.3	10	LEEWARD ISLANDS. MD 3.2 (TRN).
19	08	03	44.2*	7.347	S	145.310	E	33	N	3.8		1.2	7	NEAR S COAST OF NEW GUINEA, PNG.
19	08	55	34.2%	44.344	N	7.345	E	10	G			0.4	7	NORTHERN ITALY. ML 1.9 (GEN).
19	09	48	47.5&	60.319	N	151.017	W	62					68	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).
19	10	04	22.1&	31.720	N	115.840	W	6	G				4	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.1 (PAS).
19	10	39	31.1*	15.848	S	70.378	W	182	*	3.5		1.4	10	SOUTHERN PERU
19	11	59	20.3*	37.630	N	72.108	E	33	N	4.0		1.7	12	TAJIKISTAN
19	12	23	37.5?	33.94	S	72.22	W	33	N			0.7	9	OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
19	12	24	50.5	36.143	N	1.945	E	10	G	3.7		1.0	33	NORTHERN ALGERIA. mbLg 4.2 (MDD).
19	13	00	29.9*	36.166	N	1.936	E	10	G			0.8	13	NORTHERN ALGERIA. mbLg 2.9 (MDD).
19	13	28	04.9?	46.21	N	2.83	E	10	G			0.9	4	FRANCE. ML 1.6 (LDG).
19	15	51	14.7?	31.56	S	68.77	W	90	G			0.2	4	SAN JUAN PROVINCE, ARGENTINA
19	16	22	47.7	37.600	N	35.916	E	10	G	4.1		1.3	18	TURKEY. ML 3.7 (CSS).
19	16	34	08.0%	32.019	S	117.392	E	33	N			1.5	5	WESTERN AUSTRALIA
19	18	04	21.8	55.906	S	24.277	W	33	N	5.3		1.0	45	SOUTH SANDWICH ISLANDS REGION
19	18	32	34.3*	36.242	S	74.123	W	33	N			0.6	15	OFF COAST OF CENTRAL CHILE. MD 4.2 (SAN).
19	18	35	13.1	45.980	N	10.985	E	10	G			0.7	7	NORTHERN ITALY. ML 2.4 (VIE).
19	18	53	55.1*	37.241	N	21.002	E	10	G			1.4	9	SOUTHERN GREECE. ML 3.7 (ATH).
19	19	02	46.1%	44.970	N	6.627	E	5	G			0.6	6	FRANCE. ML 2.0 (GEN).
19	19	11	35.8?	44.95	N	6.74	E	10	G			0.2	4	FRANCE. ML 1.8 (GEN).
19	20	02	43.2*	14.077	N	121.111	E	33	N	4.8		0.8	9	LUZON, PHILIPPINE ISLANDS
19	20	21	32.6	36.283	N	1.781	E	12	D	4.7	4.6	1.2	166	NORTHERN ALGERIA. mbLg 4.8 (MDD).

	19	20	42	19.1&	59.212	N	153.764	W	121				33	SOUTHERN ALASKA. <AEIC>
	19	20	43	48.6*	36.338	N	1.911	E	10	G		1.0	14	NORTHERN ALGERIA. mbLg 2.9 (MDD).
	19	21	04	35.7&	58.294	N	142.755	W	10	G	3.2		48	GULF OF ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PGC).
	19	21	06	17.8%	44.901	N	7.569	E	10	G		0.8	8	NORTHERN ITALY ML 2.1 (GEN).
	19	21	38	54 6?	36.36	N	1.91	E	10	G		0.8	6	NORTHERN ALGERIA
	19	22	43	43.7*	34.141	S	72.313	W	33	N		1.1	17	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	19	23	06	42.2%	37.851	N	14.798	E	10	G		1.1	8	SICILY
	19	23	08	56.7&	39.403	N	121.497	W	6				15	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt in the Oroville area.
	19	23	26	03.2?	31.58	S	69.19	W	110	G		0.2	4	SAN JUAN PROVINCE, ARGENTINA
	19	23	41	16.8	31.033	N	138.183	E	418		4.7	0.6	78	SOUTH OF HONSHU, JAPAN
	19	23	55	51.4?	34.02	S	72.31	W	33	N		0.5	9	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	20	00	11	57.2*	18.773	S	169.283	E	257	*	4.5	1.1	35	VANUATU ISLANDS
	20	00	16	22.9?	18.36	N	100.59	W	33	N		0.7	6	GUERRERO, MEXICO
	20	01	07	33.3*	12.824	N	146.707	E	46	*	4.4	0.4	10	SOUTH OF MARIANA ISLANDS
	20	01	19	16.9*	25.477	N	125.019	E	26	D	4.3	1.0	9	SOUTHWESTERN RYUKYU ISLANDS
	20	01	33	38.4*	14.065	N	145.445	E	142		4.0	0.7	10	MARIANA ISLANDS
	20	02	21	03.8%	18.200	N	67.087	W	33	N		0.7	8	MONA PASSAGE
	20	02	43	02.0?	30.82	N	132.93	E	33	N	4.0	1.5	6	SOUTHEAST OF SHIKOKU, JAPAN
	20	03	12	11.0%	39.475	N	16.307	E	10	G		0.2	5	SOUTHERN ITALY
	20	03	24	50.2*	29.726	S	71.156	W	10	G		1.4	11	NEAR COAST OF CENTRAL CHILE
	20	03	47	46.5%	10.970	N	62.080	W	80	G		0.2	7	NEAR COAST OF VENEZUELA. MD 3.3 (TRN).
	20	04	48	37.8*	31.463	S	68.392	W	90	G		0.1	6	SAN JUAN PROVINCE, ARGENTINA
	20	05	07	16.9*	36.612	N	7.249	W	10	G		1.1	16	STRAIT OF GIBRALTAR. MD 3.1 (RBA). mbLg 2.9 (MDD).
	20	06	20	50.1	43.957	N	9.881	E	10	G		0.9	38	CORSICA. ML 2.9 (LDG).
	20	07	27	36.2%	47.663	N	0.852	E	10	G		1.4	14	FRANCE. ML 3.0 (LDG).
	20	08	55	53.4%	39.741	N	20.645	E	10	G		1.0	6	GREECE-ALBANIA BORDER REGION
a	20	08	58	22.5	27.398	N	65.994	E	27	D	5.2 5.2	1.3	137	PAKISTAN
	20	09	11	50.2?	16.56	S	175.46	W	33	N	4.7	1.7	14	TONGA ISLANDS
	20	09	12	37.1%	39.957	N	23.864	E	10	G		0.4	8	AEGEAN SEA
	20	10	26	08.7&	60.093	N	152.861	W	111		4.4		101	SOUTHERN ALASKA. <AEIC>. Felt (III) at Homer.
	20	10	41	36.6*	17.785	S	116.029	W	10	G	5.2	1.1	55	SOUTHERN EAST PACIFIC RISE
	20	10	48	11.5?	32.02	S	117.28	E	10	G		0.9	4	WESTERN AUSTRALIA
	20	12	05	54.8?	18.73	N	145.46	E	225	?	4.3	0.7	8	MARIANA ISLANDS
	20	12	25	57.3*	37.242	N	21.428	E	10	G		0.9	6	SOUTHERN GREECE. MD 3.3 (ATH).
	20	12	34	14.7*	37.200	N	21.647	E	10	G		1.4	9	SOUTHERN GREECE. MD 3.1 (ATH).
	20	13	19	32.0	4.331	N	122.993	E	578		4.7	0.9	31	CELEBES SEA
f	20	13	37	03.0	27.983	N	139.405	E	499	G	5.8	1.2	478	BONIN ISLANDS REGION. mb 6.0 (BRK). Depth from broadband displacement seismagrams.
	20	13	51	12.3&	64.643	N	150.846	W	13				10	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	20	13	53	22.0&	60.086	N	152.881	W	112				33	SOUTHERN ALASKA. <AEIC>.
	20	14	10	42.4?	13.41	N	92.65	W	33	N	4.5	1.0	8	OFF COAST OF CHIAPAS, MEXICO
	20	14	17	42.5?	13.44	N	92.71	W	33	N	4.2	0.8	5	OFF COAST OF CHIAPAS, MEXICO
	20	15	41	36.6*	45.436	N	150.890	E	33	N	4.7	0.8	32	KURIL ISLANDS
	20	15	42	58.6*	5.445	S	145.115	E	33	N	4.5	1.3	13	EASTERN NEW GUINEA REG., P.N.G. ML 4.7 (PMG).
	20	16	35	49.5&	48.300	N	122.072	W	11		3.0		71	WASHINGTON. <SEA>. MD 3.1 (SEA). Felt.
	20	16	41	10.4?	66.97	N	20.92	E	10	G		0.6	4	SWEDEN. MD 2.4 (BER).
	20	16	58	00.0*	44.003	N	142.607	E	33	N	4.6	0.7	10	HOKKAIDO, JAPAN REGION
	20	17	22	57.4?	37.66	N	16.61	E	10	G		1.7	8	IONIAN SEA
	20	1B	08	20.3*	47.070	N	152.458	E	33	N	4.2	0.6	10	KURIL ISLANDS
	20	1B	22	59.9*	18.549	N	68.737	W	128	?	3.6	0.6	14	MONA PASSAGE
	20	23	09	45.5	14.538	N	93.700	E	44	D	4.6 3.9	0.9	32	ANDAMAN ISLANDS, INDIA
	20	23	37	17.3?	6.13	S	150.31	E	61	*	4.4	1.1	6	NEW BRITAIN REGION, P.N.G.
	20	23	52	28.5%	31.343	S	68.540	W	90	G		0.3	5	SAN JUAN PROVINCE, ARGENTINA
	21	00	37	33.7&	64.940	N	151.930	W	31				21	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
	21	01	21	45.2	43.485	N	7.998	E	31			1.0	45	NEAR SOUTH COAST OF FRANCE. ML 3.2 (LDG), 2.7 (GEN), 2.7 (STR).
	21	01	23	48.7	66.869	N	142.827	W	10	G		1.0	13	NORTHERN ALASKA. ML 3.5 (AEIC).
	21	02	44	32.5*	6.941	N	73.134	W	166	*	4.4	1.2	11	NORTHERN COLOMBIA
	21	02	48	39.2	43.276	N	1.580	W	10	G		1.0	24	PYRENEES ML 3.2 (LDG). mbLg 3.5 (MDD). Felt (IV) in the Basque District, France.
	21	03	12	31.4%	69.294	N	16.646	E	10	G		1.3	6	NORTHERN NORWAY. MD 2.9 (BER).
	21	03	56	19.1&	37.423	N	121.703	W	1				14	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	21	04	05	19.1&	63.676	N	152.570	W	25	G			17	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	21	04	09	08.6?	34.40	N	69.53	E	33	N	3.7	0.3	7	AFGHANISTAN
	21	04	44	41.4?	51.49	N	16.26	E	10	G		0.3	7	POLAND. ML 3.0 (VIE).
	21	04	45	36.7*	26.616	S	176.451	W	28	D	5.1 4.3	0.9	37	SOUTH OF FIJI ISLANDS
	21	05	14	28.4?	41.84	N	22.84	E	10	G		0.4	5	NORTHWESTERN BALKAN REGION
	21	05	21	06.9?	41.79	N	22.86	E	10	G		0.7	4	NORTHWESTERN BALKAN REGION
	21	05	30	05.9	2.008	N	126.412	E	58	?	4.8 4.4	1.3	45	NORTHERN MOLUCCA SEA
	21	07	50	04.6?	32.85	S	68.07	W	10	G		1.2	9	MENDOZA PROVINCE, ARGENTINA
	21	07	57	20.7	9.339	S	122.794	E	27	D	5.1 4.3	1.1	57	SAVU SEA
	21	10	34	25.3	42.625	N	1.615	E	10	G		0.3	6	PYRENEES. ML 2.8 (LDG).
	21	10	53	35.6%	43.102	N	0.469	W	10	G		0.2	6	PYRENEES. ML 1.0 (STR).
	21	11	36	21.0&	38.000	N	92.670	W	5	G			14	MISSOURI. <SLM-P>. MD 3.1 (SLM). mbLg 2.3 (TUL). Felt (IV) at Gravois Mills and Linn Creek. Felt (III) at Camdenton and Sunrise Beach. Also felt in the Osage Beach area.
	21	11	48	01.6&	19.842	N	155.616	W	21				49	HAWAII. <HVO-P>. ML 4.0 (HVO). Felt.
	21	12	12	52.6?	16.33	N	61.92	W	168	?		0.4	11	LEEWARD ISLANDS
	21	12	44	47.7%	31.717	S	117.113	E	10	G		1.3	6	WESTERN AUSTRALIA
	21	12	54	14.7*	14.030	N	91.038	W	63	*	4.3	1.2	39	GUATEMALA
	21	12	57	04.0%	60.687	N	5.671	E	10	G		1.4	6	SOUTHERN NORWAY. MD 2.0 (BER).
	21	13	29	03.3	4.028	S	102.433	E	101	D	5.2	1.2	63	SOUTHERN SUMATERA, INDONESIA
	21	13	32	48.4*	42.564	N	24.246	E	5	G		1.0	6	BULGARIA
	21	13	56	05.6%	31.014	S	68.921	W	33	N		1.2	5	SAN JUAN PROVINCE, ARGENTINA
	21	16	46	56.6?	45.47	N	150.78	E	33	N	3.5	1.0	5	KURIL ISLANDS
	21	16	59	11.0	43.442	N	5.454	E	5	G		0.5	17	NEAR SOUTH COAST OF FRANCE. ML 3.0 (STR).
	21	17	07	31.5?	61.72	N	3.95	E	10	G		0.6	5	NORWEGIAN SEA. MD 2.5 (BER).
	21	17	37	23.7?	32.91	S	70.84	W	80	?		0.7	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	21	17	42	48.8	5.426	N	125.913	E	120	*	4.7	1.0	50	MINDANAO, PHILIPPINE ISLANDS
	21	18	07	39.7*	61.989	N	169.431	E	33	N	4.7	1.0	28	EASTERN SIBERIA, RUSSIA
	21	18	23	59.6%	38.870	N	22.036	E	10	G		0.4	6	GREECE

	21	18	47	24.6?	36.37	N	71.57	E	66	?	3.9		0.6	8	AFGHANISTAN-TAJIKISTAN BORD REG.
	21	20	16	54.7	38.361	N	20.232	E	10	G	4.4		1.3	55	GREECE. ML 4.0 (ATH), 4.0 (TTG).
	21	21	05	40.3	12.219	N	144.356	E	54	*	4.6		0.6	24	SOUTH OF MARIANA ISLANDS
	21	21	48	20.1*	42.913	N	0.456	E	10	G			0 6	6	PYRENEES. ML 2.7 (LDG).
a	21	22	07	58.9	26.632	N	67.198	E	26	D	5.4	5.2	1.0	246	PAKISTAN
	21	23	06	54.5&	40.752	N	124.377	W	4					7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.8 (BRK). Felt (III) at Rio Dell and Samoa. Also felt in the Eureka area.
	21	23	07	48 0%	31.720	S	117.060	E	10	G			0.1	5	WESTERN AUSTRALIA
	21	23	20	10.4*	49.756	S	114.372	E	24	D	4.7	4.6	1.0	17	SOUTH OF AUSTRALIA
	21	23	30	40.4?	9.51	S	125.88	E	61	?	4.3		0.3	6	TIMOR REGION, INDONESIA
	21	23	43	58.8*	32.462	S	71.928	W	51	*	4.5		1.1	20	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
	22	00	33	28.1*	10.330	S	161.161	E	86	*	4.4		0.8	11	SOLOMON ISLANDS
a	22	01	06	55.5	38.470	N	140.308	E	116	D	5.6		0.9	363	EASTERN HONSHU, JAPAN. mb 5.3 (BRK).
	22	01	33	37.0*	41.655	N	72.439	E	33	N	3.9		1.1	9	KYRGYZSTAN
	22	02	00	49.7?	44.59	N	152.69	E	46	?	4.5		1.3	10	EAST OF KURIL ISLANDS
	22	02	02	05.8	0.093	S	124.363	E	92		5.0		1.0	33	SOUTHERN MOLUCCA SEA
	22	02	27	42.5&	60.279	N	152.786	W	119		3.1			83	SOUTHERN ALASKA. <AEIC>.
	22	02	43	52.0?	18.10	S	178.05	W	656	?	4.9		1.3	17	FIJI ISLANDS REGION
	22	03	41	49.9	43.218	N	20.627	E	8		3.7		0.9	52	NORTHWESTERN BALKAN REGION. ML 3.5 (TTG).
	22	03	49	00.1*	47.028	N	7.325	E	10	G			1.1	6	SWITZERLAND. ML 2.3 (LDG).
	22	04	04	53.2%	16.683	N	94.718	W	33	N			1.4	7	OAXACA, MEXICO
	22	04	54	55.8?	63.34	S	168.45	E	10	G	4.9	4.5	1.5	8	BALLENY ISLANDS REGION
a	22	06	24	49.6	14.107	S	167.287	E	198	D	5.3		1.0	161	VANUATU ISLANDS
	22	07	13	12.5	33.995	N	118.725	W	10	G			0.5	13	SOUTHERN CALIFORNIA. ML 2.5 (GS).
	22	07	19	48.8&	62.437	N	151.158	W	89		2.9			77	CENTRAL ALASKA. <AEIC>
	22	07	23	45.6*	34.515	S	179.760	W	81	*	5.2		1.2	39	SOUTH OF KERMADEC ISLANDS
	22	07	44	44.8*	55.890	N	158.017	W	33	N			1.3	11	ALASKA PENINSULA. ML 3.9 (PMR). Felt (III) at Chignik.
	22	08	00	18.2	3.367	S	134.497	E	33	N	4.8		1.1	22	IRIAN JAYA REGION, INDONESIA
	22	08	56	37.3?	38.63	N	28.48	W	10	G			0.1	4	AZORES ISLANDS. MG 3.2 (PDA).
	22	09	44	07.5?	17.59	N	62.58	W	103	?			0.4	11	LEEWARD ISLANDS. MD 3.1 (TRN).
	22	10	09	02.8*	17.693	S	116.145	W	10	G	4.5		1.0	22	SOUTHERN EAST PACIFIC RISE
	22	10	48	39.2*	26.572	N	67.319	E	33	N	4.3	4.3	1.3	20	PAKISTAN
	22	10	53	46.2&	63.381	N	151.002	W	11					7	CENTRAL ALASKA. <AEIC>. ML 2.1 (AEIC).
	22	11	25	58.9*	36.704	N	71.325	E	202	?	3.8		1.0	10	AFGHANISTAN-TAJIKISTAN BORD REG.
	22	12	44	58.6?	63.65	N	9.02	E	10	G			0.1	4	SOUTHERN NORWAY. MD 2.7 (BER).
	22	13	33	52.5&	37.658	N	122.472	W	6					10	CENTRAL CALIFORNIA. <BRK>. ML 2.0 (BRK). Felt at Daly City.
	22	13	58	58.4&	37.662	N	122.492	W	6					5	CENTRAL CALIFORNIA. <BRK>. ML 1.9 (BRK). Felt at Daly City.
	22	14	31	57.5%	44.794	N	7.560	E	33	N			0.5	10	NORTHERN ITALY. ML 2.1 (GEN).
	22	15	38	46.4&	60.714	N	152.148	W	89					8	SOUTHERN ALASKA. <AEIC>.
	22	16	23	21.4	44.250	N	8.377	E	5	G			0.6	13	NORTHERN ITALY. ML 2.1 (GEN), 2.0 (LDG).
	22	16	57	58.1*	51.448	N	15.970	E	10	G			0.6	13	POLAND. ML 4.0 (VIE), 3.8 (GRF).
	22	17	00	49.3*	6.615	S	146.822	E	114		4.1		0.3	9	EASTERN NEW GUINEA REG., P.N.G.
	22	17	43	51.7	12.088	S	167.158	E	33	N	5.0		0.9	33	SANTA CRUZ ISLANDS
	22	17	48	39.4%	44.624	N	6.662	E	10	G			0.4	6	FRANCE. ML 1.8 (GEN).
	22	17	59	39.2?	44.61	N	10.76	E	10	G			0.6	5	NORTHERN ITALY
	22	18	27	45.5?	26.73	N	99.37	E	33	N			0.7	8	YUNNAN, CHINA
	22	18	58	21.5	67.636	N	14.994	E	10	G			1.2	7	NORTHERN NORWAY. MD 3.3 (BER). ML 2.9 (NAO). Felt.
	22	19	15	31.5*	26.364	N	97.134	E	33	N			0.7	7	MYANMAR
	22	19	46	48.8	45.379	N	150.853	E	34	D	5.1	4.2	0.7	96	KURIL ISLANDS
	22	19	57	49.8%	15.795	N	60.544	W	28				0.4	9	LEEWARD ISLANDS. ML 2.9 (FDF).
	22	20	56	55.8*	31.245	S	72.035	W	33	N			0.6	11	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	22	21	05	55.9%	43.103	N	0.688	W	10	G			0.2	6	PYRENEES. ML 1.0 (STR).
	22	21	41	25.9	35.351	N	121.109	E	33	N	5.1	4.8	0.9	150	YELLOW SEA. ML 5.5 (BJI).
	22	21	55	55.5*	15.756	S	178.578	W	462	?	5.2		0.7	30	FIJI ISLANDS REGION
	22	22	06	46.9	14.087	N	146.763	E	46	*	4.6		0.7	25	MARIANA ISLANDS
	22	22	27	49.7?	24.87	N	122.29	E	91	?	4.1		0.3	6	TAIWAN REGION
	22	23	27	04.0	64.217	N	160.145	W	10	G	3.0		0.9	41	CENTRAL ALASKA. ML 3.3 (AEIC), 3.8 (PMR).
	22	23	45	44.5*	36.799	N	71.291	E	33	N	3.6		1.4	10	AFGHANISTAN-TAJIKISTAN BORD REG.
	22	23	53	33.8%	44.258	N	8.208	E	5	G			0.4	7	NORTHERN ITALY. ML 1.5 (GEN).
	23	00	21	24.1	44.265	N	8.233	E	5	G			0.4	10	NORTHERN ITALY. ML 1.9 (GEN).
	23	00	37	52.3%	44.241	N	8.233	E	10	G			0.3	6	NORTHERN ITALY. ML 1.5 (GEN).
	23	00	53	38.8%	44.223	N	8.254	E	13	*			0.1	8	NORTHERN ITALY. ML 1.7 (GEN).
	23	01	29	15.8%	42.928	N	18.728	E	10	G			0.4	6	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	23	02	37	35.0%	39.292	N	23.536	E	10	G			0.7	7	AEGEAN SEA
	23	03	16	02.6	44.595	N	7.309	E	6				0.7	25	NORTHERN ITALY. ML 2.4 (GEN), 2.8 (LDG).
	23	03	17	32.5*	17.922	S	69.737	W	145	*	4.5		1.4	9	PERU-BOLIVIA BORDER REGION
	23	03	35	54.9*	16.109	N	61.144	W	101	*			0.4	12	LEEWARD ISLANDS
	23	03	49	38.2&	65.357	N	133.663	W	10	G	4.1			19	NORTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 4.3 (PGC).
	23	04	05	04.6?	2.76	S	138.66	E	33	N	4.4		0.8	5	IRIAN JAYA, INDONESIA
	23	04	12	43.9	27.710	N	139.909	E	500	*	4.7		0.9	82	BONIN ISLANDS REGION
a	23	04	24	15.6	38.351	N	20.324	E	17	D	5.1	5.2	1.2	274	GREECE. ML 5.1 (ROM). MD 5.4 (TTG), 5.0 (ATH). Felt on Kefallinia.
	23	04	34	54.4	44.264	N	8.224	E	5	G			0.4	12	NORTHERN ITALY. ML 2.5 (LDG).
	23	04	34	59.1	40.509	S	173.289	E	202	*			0.3	25	COOK STRAIT, NEW ZEALAND
	23	04	40	04.9%	44.245	N	8.219	E	10	G			0.7	7	NORTHERN ITALY. ML 2.9 (GEN).
	23	04	44	22.6&	56.311	N	120.760	W	5	G	3.8			4	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.4 (PGC). Felt in the Fort St. John area.
	23	04	48	24.9&	36.612	N	121.250	W	7					19	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	23	05	20	25.1?	38.13	N	20.18	E	5	G			0.7	6	GREECE. MD 3.0 (ATH).
	23	05	35	00.5*	20.557	S	68.659	W	138	*	4.5		1.0	10	CHILE-BOLIVIA BORDER REGION
	23	05	37	42.5%	39.635	N	23.422	E	10	G			0.5	5	AEGEAN SEA
	23	05	49	08.2*	38.233	N	20.257	E	10	G			0.6	14	GREECE. MD 3.5 (ATH).
	23	05	52	20.8&	56.337	N	120.854	W	5	G	3.6			4	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 2.8 (PGC). Felt in the Fort St. John area.
	23	06	27	38.6	38.356	N	20.307	E	10	G	5.0	4.7	1.1	164	GREECE. ML 5.0 (TTG), 4.5 (ATH).
	23	06	34	14.8*	37.952	S	175.645	E	321	?			0.5	22	NORTH ISLAND, NEW ZEALAND
	23	06	42	01.8?	38.20	N	20.30	E	10	G			1.3	11	GREECE. MD 3.5 (ATH).
	23	06	47	36.4?	37.97	N	19.98	E	10	G	3.7		1.1	12	IONIAN SEA. MD 3.6 (ATH).
	23	07	07	09.3*	38.343	N	20.433	E	10	G			1.4	10	GREECE. MD 3.3 (ATH).

	23	07	09	13.0?	38.26	N	20.35	E	10	G			1.4	6	GREECE. MD 3.2 (ATH).
	23	07	30	33.6?	59.96	N	8.72	E	10	G			1.3	5	SOUTHERN NORWAY. MD 2.4 (BER).
	23	07	55	28.7&	35.630	N	116.280	W	6	G				9	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	23	08	38	56.8?	38.17	N	20.34	E	10	G			0.7	8	GREECE. MD 3.2 (ATH).
	23	09	47	18.4	63.117	N	150.929	W	124	?			0.2	8	CENTRAL ALASKA
	23	10	02	32.9&	37.760	N	122.137	W	5					4	CENTRAL CALIFORNIA. <BRK>. ML 1.4 (BRK). Felt in the epicentral area.
	23	10	16	44.5?	40.43	N	23.39	E	10	G			1.6	4	GREECE
	23	10	26	26.7	34.566	N	93.164	E	33	N	5.2		1.2	18	QINGHAI, CHINA
	23	11	02	30.1?	38.12	N	20.34	E	10	G			1.1	9	GREECE. MD 3.2 (ATH).
	23	11	25	26.1&	38.802	N	122.769	W	3					7	NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 2.9 (GS). Felt (IV) at Cobb and (III) at Kelseyville.
	23	12	33	47.6	42.778	N	24.072	E	10	G			1.4	8	BULGARIA
	23	12	48	24.7	42.354	N	142.714	E	79		3.9		0.7	15	HOKKAIDO, JAPAN REGION
	23	12	50	41.4	33.620	N	116.884	W	10	G			0.7	16	SOUTHERN CALIFORNIA. ML 2.7 (GS).
	23	12	54	17.1	17.581	S	173.306	W	33	N	5.2	4.9	1.3	74	TONGA ISLANDS
	23	13	37	02.2	37.886	S	177.038	E	10	G	3.4		1.0	9	OFF E. COAST OF N. ISLAND, N.Z.
	23	14	42	22.4	38.328	N	20.312	E	10	G	3.7		1.5	20	GREECE. ML 3.7 (ATH).
	23	14	46	15.3	53.436	S	24.861	E	10	G	5.0		1.0	25	SOUTH OF AFRICA
	23	15	16	46.8	36.435	N	71.180	E	244	*	4.3		0.8	28	AFGHANISTAN-TAJIKISTAN BORD REG.
	23	15	58	20.4%	38.006	N	4.344	W	10	G			1.2	7	SPAIN. mbLg 3.4 (MDD).
	23	16	12	19.4?	41.66	N	22.92	E	10	G			0.5	4	NORTHWESTERN BALKAN REGION
	23	17	03	52.1?	15.75	N	61.12	W	33	N			0.1	4	LEEWARD ISLANDS. ML 2.3 (FDF).
	23	17	10	23.8%	44.880	N	6.610	E	5	G			0.2	6	FRANCE
	23	17	22	46.8?	38.12	N	20.52	E	5	G			1.0	8	GREECE
	23	17	39	26.0*	29.250	S	67.963	W	162	?			1.0	15	LA RIOJA PROVINCE, ARGENTINA
	23	17	54	35.1	36.272	N	106.093	E	33	N	3.5		1.0	11	WESTERN NEI MONGOL, CHINA. ML 3.8 (BJI).
	23	17	56	09.9*	36.704	N	71.246	E	33	N	3.9		0.4	5	AFGHANISTAN-TAJIKISTAN BORD REG.
	23	18	29	39.9	17.983	S	168.431	E	98		5.0		1.1	78	VANUATU ISLANDS
	23	19	07	07.4*	49.299	N	155.865	E	33	N	4.0		1.1	15	KURIL ISLANDS
	23	19	11	47.6*	39.207	N	22.087	E	10	G			1.1	5	GREECE
	23	19	13	11.4*	35.236	N	26.894	E	10				0.5	8	CRETE. ML 3.8 (CSS). MD 3.9 (ATH).
	23	19	45	25.5%	35.305	N	29.709	E	10	G			1.0	5	EASTERN MEDITERRANEAN SEA. ML 3.1 (CSS).
	23	20	28	47.5%	43.079	N	0.526	W	10	G			0.1	6	PYRENEES. ML 1.6 (STR).
	23	20	56	24.2	38.352	N	20.353	E	5	G			1.0	20	GREECE. ML 3.6 (ATH).
	23	21	39	39.1&	39.056	N	123.066	W	7					7	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM). Felt in the Ukiah area.
	23	21	48	13.8	20.377	N	95.190	E	33	N	4.5		1.3	26	MYANMAR
	23	22	06	33.1	40.455	S	174.171	E	31				1.3	19	COOK STRAIT, NEW ZEALAND
	23	22	35	09.1*	19.041	S	178.033	E	33	N	3.3		0.7	7	SOUTH OF FIJI ISLANDS. Felt (V) in the Ndelainambukelevu area and at Vunisea Station. Felt (IV) in northeastern Kandavu Island.
	23	22	46	20.0	44.398	N	9.762	E	5	G			1.0	40	NORTHERN ITALY. ML 3.0 (GEN), 3.0 (LDG), 3.0 (STR), 2.7 (VIE).
	23	22	47	03.5?	5.74	S	146.44	E	81	*	4.3		1.2	6	EASTERN NEW GUINEA REG., P.N.G.
	23	23	17	52.7	44.390	N	9.751	E	11				0.9	44	NORTHERN ITALY. ML 3.2 (LDG), 3.1 (GEN), 3.0 (STR), 2.8 (VIE).
	23	23	23	51.0?	38.20	N	20.34	E	5	G			1.0	8	GREECE. MD 3.2 (ATH).
	23	23	46	54.7?	38.08	N	20.25	E	5	G			1.0	7	GREECE. MD 3.1 (ATH).
	24	01	02	05.3*	49.089	S	164.841	E	33	N	4.5		1.0	22	AUCKLAND ISLANDS REGION
	24	03	36	38.0?	4.54	N	123.33	E	560	?	4.7		0.5	11	CELEBES SEA
	24	04	16	54.5&	47.193	N	118.992	W	10					27	WASHINGTON. <SEA>. MD 2.5 (SEA).
	24	04	21	21.4	47.201	N	6.825	E	21				0.8	14	FRANCE. ML 2.4 (LDG), 2.0 (STR).
	24	04	41	28.5%	39.939	N	28.813	E	10	G			0.8	7	TURKEY
o	24	05	04	47.3	35.515	N	74.529	E	47		5.4	4.2	0.9	250	NORTHWESTERN KASHMIR. Felt at Gilgit, Skardu and Srinagar. Also felt at Islamabad, Lahore and Rawalpindi, Pakistan.
	24	06	57	30.1*	47.017	N	7.340	E	10	G			1.4	6	SWITZERLAND
	24	07	46	04.3?	20.90	S	178.35	W	584	?	4.5		1.2	10	FIJI ISLANDS REGION
	24	09	09	54.3&	47.659	N	120.132	W	7		2.9			47	WASHINGTON. <SEA>. MD 3.4 (SEA). Felt (III) at Waterville.
	24	09	33	28.4?	40.52	N	23.47	E	10	G			1.0	4	GREECE
	24	09	38	10.4&	62.583	N	151.613	W	14					42	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).
	24	09	49	32.2	40.919	N	2.298	W	10	G			1.1	11	SPAIN. mbLg 3.3 (MDD).
	24	10	15	47.1	43.999	N	113.893	W	5	G	2.7		0.9	14	EASTERN IDAHO. ML 3.2 (GS), 3.5 (BUT).
	24	10	29	07.6&	59.000	N	151.740	W	11		2.5			56	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC).
	24	11	21	11.7	23.928	N	125.965	E	33	N	4.3		0.6	11	SOUTHWESTERN RYUKYU ISLANDS
	24	11	50	09.0?	40.90	N	23.82	E	10	G			0.2	4	GREECE
	24	11	51	10.3?	46.16	N	3.05	E	5	G			0.4	4	FRANCE. ML 1.0 (STR).
o	24	12	09	24.3	9.403	S	148.796	E	35		5.5	4.8	0.9	140	EASTERN NEW GUINEA REG., P.N.G.
	24	12	17	06.7%	43.051	N	0.750	W	10	G			0.2	5	PYRENEES. ML 1.0 (STR).
	24	12	28	56.5?	38.97	N	23.84	E	10	G			0.3	4	GREECE
	24	12	30	09.5%	33.970	S	70.397	W	100	G			0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	24	12	32	02.7&	59.342	N	152.769	W	78					32	SOUTHERN ALASKA. <AEIC>.
	24	12	38	10.1*	41.607	N	22.151	E	10	G			0.9	6	NORTHWESTERN BALKAN REGION. ML 2.3 (SKO).
	24	12	45	04.4%	39.386	N	22.813	E	10	G			0.4	6	GREECE
	24	13	07	53.7*	41.901	N	22.163	E	10	G			1.1	7	NORTHWESTERN BALKAN REGION
	24	13	19	41.9?	10.48	S	165.82	E	158	?	4.3		1.0	8	SANTA CRUZ ISLANDS
	24	13	28	02.0*	6.776	N	72.967	W	165	*	4.4		1.2	12	NORTHERN COLOMBIA
	24	13	29	25.2&	37.620	N	118.864	W	4					5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.5 (GM).
	24	13	38	41.9	44.227	N	8.260	E	10	G			0.2	12	NORTHERN ITALY. ML 2.5 (GEN).
	24	13	50	55.6*	42.435	N	24.079	E	10	G			1.3	6	BULGARIA
	24	13	55	31.2*	36.891	S	177.186	E	264		4.0		1.0	27	OFF E. COAST OF N. ISLAND, N.Z.
	24	15	03	45.4*	52.731	N	157.351	W	33	N	3.5		0.7	64	SOUTH OF ALASKA. ML 4.0 (PMR).
	24	16	18	11.0	38.070	N	22.133	E	33	N			0.8	13	GREECE
	24	18	11	27.5	43.432	N	5.459	E	5	G			0.7	17	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
	24	18	59	53.5	38.353	N	20.399	E	5	G			0.8	11	GREECE. ML 3.7 (ATH).
	24	20	03	52.5?	6.89	S	127.31	E	164	?	4.6		1.5	6	BANDA SEA
	24	20	05	06.9?	51.63	N	16.48	E	10	G			0 2	7	POLAND. ML 3.4 (VIE), 3.3 (GRF).
	24	20	26	54.2&	40.288	N	124.585	W	20					17	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.5 (BRK). Felt strongly at Petrolia. Felt (III) at Rio Dell. Also felt at Fortuna.
	24	21	03	58.0%	43.230	N	18.862	E	5	G			0.1	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).

	24	21	27	00.8?	6.12	N	126.41	E	33	N	4.7	0.4	12	MINDANAO, PHILIPPINE ISLANDS
	24	22	12	52.6&	61.977	N	150.615	W	56				6	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	24	22	38	56.9?	26.72	N	127.01	E	33	N	4.7	0.9	11	RYUKYU ISLANDS
	24	22	52	47.9*	7.589	S	128.455	E	142	?	4.3	0.9	6	BANDA SEA
	24	22	56	18.2%	41.305	N	23.331	E	10	G		0.2	5	GREECE-BULGARIA BORDER REGION
	25	00	08	43.1?	56.33	N	153.51	W	33	N	2.9	1.3	10	KODIAK ISLAND REGION
	25	01	07	25.9*	15.974	N	95.895	W	33	N	3.5	1.1	6	NEAR COAST OF OAXACA, MEXICO
	25	03	34	45.6?	6.49	S	147.28	E	78	?	4.0	0.8	5	EASTERN NEW GUINEA REG., P.N.G.
	25	03	44	51.8	39.700	S	174.166	E	210	*		0.5	23	NORTH ISLAND, NEW ZEALAND
	25	04	13	17.1	46.312	N	1.280	W	10	G		0.9	25	FRANCE. ML 3.7 (LDG), 3.7 (STR). Felt on Ile de Re and in the La Rochelle area.
	25	05	02	33.1?	19.10	N	66.50	W	33	N		0.3	8	PUERTO RICO REGION
	25	05	56	50.6%	31.233	S	68.547	W	33	N		0.4	5	SAN JUAN PROVINCE, ARGENTINA
	25	06	08	33.6?	44.33	N	7.43	E	10	G		0.1	4	NORTHERN ITALY. ML 1.6 (GEN).
	25	06	29	52.1	44.509	N	149.737	E	21	D	4.8 4.1	0.8	44	KURIL ISLANDS
	25	06	37	45.6	18.963	N	145.460	E	231		4.7	0.8	37	MARIANA ISLANDS
	25	06	39	18.0	43.238	N	148.174	E	33	N	4.0	1.1	6	EAST OF KURIL ISLANDS
	25	06	50	00.8?	38.89	N	23.54	E	10	G		0.6	5	GREECE
	25	06	53	11.9?	19.16	N	66.48	W	33	N		0.2	8	PUERTO RICO REGION
	25	06	53	57.8*	38.256	S	175.856	E	199	?		0.8	19	NORTH ISLAND, NEW ZEALAND
	25	07	11	17.5?	59.90	N	6.16	E	10	G		0.2	4	SOUTHERN NORWAY. MD 2.0 (BER).
	25	09	28	26.1	40.511	N	22.763	E	10	G		0.2	9	GREECE
	25	09	34	55.6?	7.45	S	108.74	E	33	N	4.4	0.2	5	JAWA, INDONESIA
	25	10	45	08.0?	55.93	N	163.49	E	33	N	4.1	0.9	5	OFF EAST COAST OF KAMCHATKA
	25	10	56	19.8&	57.967	N	142.835	W	10	G	3.0		14	GULF OF ALASKA. <AEIC>. ML 2.9 (AEIC).
	25	11	57	32.1%	67.704	N	15.051	E	10	G		1.3	6	NORTHERN NORWAY. MD 2.9 (BER).
	25	12	06	30.6*	38.134	N	20.337	E	5	G		1.0	12	GREECE. MD 3.3 (ATH).
	25	12	16	22.2?	0.72	S	128.54	E	33	N	4.4	0.8	4	HALMAHERA, INDONESIA
	25	12	16	45.4	67.663	N	14.912	E	10	G		1.1	8	NORTHERN NORWAY. MD 3.3 (BER). Felt.
	25	12	23	18.2	38.277	N	20.266	E	10	G	4.2	1.2	89	GREECE. MD 4.1 (ATH). ML 4.0 (TTG).
	25	12	26	27.1%	67.763	N	15.298	E	10	G		1.2	5	NORTHERN NORWAY. MD 3.0 (BER).
	25	13	20	07.8?	35.59	N	56.08	E	33	N	4.8	0.8	7	NORTHERN IRAN. ML 4.3 (TEH). Felt at Gorgan.
	25	15	10	55.6	49.125	N	6.810	E	10	G		0.9	17	GERMANY. ML 2.7 (STR). MD 2.7 (UCC).
	25	15	12	31.9	26.070	N	98.668	E	33	N	4.7	1.3	24	MYANMAR-CHINA BORDER REGION. ML 4.3 (BJI).
	25	15	16	31.4*	40.924	N	116.524	W	5	G		0.9	9	NEVADA. ML 3.5 (GS).
	25	15	18	09.9*	40.783	N	116.480	W	5	G		0.6	5	NEVADA. ML 3.6 (GS).
	25	16	09	00.8	45.823	N	6.659	E	10	G		0.8	12	FRANCE. ML 2.4 (STR), 2.4 (LDG), 2.0 (GEN).
	25	16	51	49.2	38.333	N	20.359	E	5	G	3.4	0.9	18	GREECE. ML 3.7 (ATH).
	25	17	01	42.3	41.849	N	20.355	E	10	G		0.9	17	ALBANIA. ML 3.1 (SKO), 2.8 (TTG).
	25	17	11	12.5	50.421	S	72.158	W	33	N	5.1 4.3	1.0	47	S. CHILE-ARGENTINA BORDER REGION
	25	17	17	04.8	36.705	N	6.282	W	10	G		0.7	11	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD). Felt (III) in the epicentral area.
	25	17	58	28.2?	36.94	N	33.50	E	10	G		0.6	4	TURKEY. ML 3.1 (CSS).
	25	18	03	57.2*	29.998	S	179.142	W	286	?	3.8	1.4	17	KERMADEC ISLANDS REGION
	25	18	39	34.6	41.650	N	143.714	E	50		4.6 4.5	1.1	32	HOKKAIDO, JAPAN REGION
	25	19	06	52.6	36.743	N	6.249	W	10	G		0.6	9	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
	25	19	09	57.3	36.785	N	6.233	W	10	G		1.1	10	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
	25	19	12	51.8%	67.425	N	15.940	E	10	G		1.1	6	NORTHERN NORWAY. MD 2.9 (BER).
	25	19	29	28.4?	41.90	N	22.81	E	10	G		0.4	5	NORTHWESTERN BALKAN REGION
	25	19	29	47.7	6.879	S	104.829	E	33	N	4.5	0.6	13	SUNDA STRAIT
	25	19	46	25.1*	38.226	N	20.303	E	5	G		1.2	16	GREECE. MD 3.4 (ATH).
	25	19	48	06.6	22.203	S	68.506	W	109	*	3.9	0.7	10	NORTHERN CHILE
	25	20	22	39.3%	46.696	N	9.555	E	10	G		0.6	7	SWITZERLAND
	25	20	40	47.2*	3.789	S	129.170	E	33	N	4.6	0.9	14	SERAM, INDONESIA
	25	22	34	27.9	41.805	N	22.706	E	12		3.8	1.2	73	NORTHWESTERN BALKAN REGION. ML 4.3 (SKO), 3.7 (TTG). MD 3.8 (ATH). Felt (V) at Berovo, Delcevo, Kocani and Rodovis; (IV) at Stip and Strumica; (III) at Skapje, Yugoslovia
	25	22	56	10.8*	31.728	S	177.006	W	33	N	4.9	1.2	27	KERMADEC ISLANDS REGION
	25	23	12	09.8%	41.511	N	13.323	E	10	G		1.0	7	SOUTHERN ITALY
	26	00	00	51.3*	42.844	N	0.276	W	5	G		1.2	9	PYRENEES. ML 2.4 (STR), 2.2 (LDG).
	26	00	12	18.8*	38.196	N	20.255	E	5	G		1.1	15	GREECE. MD 3.5 (ATH).
	26	00	32	17.6?	45.47	N	141.54	E	229	?	3.6	0.6	5	HOKKAIDO, JAPAN REGION
	26	01	31	33.2&	49.269	N	119.527	W	10	G			56	BRITISH COLUMBIA, CANADA. <PGC>. ML 3.5 (PGC). MD 3.7 (SEA). Felt (IV) in the Oliver-Okanagan Falls area. Also felt at Kaleden, Keremeos, Osoyoos, Penticton and Summerland.
	26	01	55	44.6*	72.640	N	4.602	E	10	G	3.5	1.0	7	NORWEGIAN SEA
	26	03	14	45.8*	3.418	S	134.583	E	33	N	4.9	1.2	22	IRIAN JAYA REGION, INDONESIA
	26	03	36	21.6?	18.04	S	179.08	W	656	?	4.9	0.8	16	FIJI ISLANDS REGION
	26	04	31	02.8	5.939	S	153.959	E	76	*	5.0	1.0	41	NEW IRELAND REGION, P.N.G.
	26	04	39	11.3	17.081	N	98.098	W	56		4.5	1.0	52	GUERRERO, MEXICO
	26	05	21	46.0	7.811	N	127.482	E	42	D	4.8 4.0	1.1	43	PHILIPPINE ISLANDS REGION
	26	05	35	47.8*	45.019	N	116.808	W	5	G		0.9	8	WESTERN IDAHO. ML 3.2 (BUT). Felt at Oxbow, Oregon.
	26	05	38	27.2?	31.84	S	67.99	W	10	G		0.5	5	SAN JUAN PROVINCE, ARGENTINA
	26	07	03	14.0*	17.578	S	116.058	W	10	G	4.5	1.0	21	SOUTHERN EAST PACIFIC RISE
	26	07	03	21.5*	42.687	N	29.765	E	10	G		0.8	6	BLACK SEA
o	26	08	09	48.7	29.803	N	129.451	E	149	D	5.4	1.0	247	RYUKYU ISLANDS
	26	08	44	57.9	3.684	S	139.910	E	33	N	5.0	1.0	18	IRIAN JAYA, INDONESIA
	26	09	18	11.9?	21.49	S	169.72	E	33	N	4.1	1.2	10	LOYALTY ISLANDS REGION
	26	09	22	54.2	54.050	N	160.958	W	33	N	4.9 4.5	0.8	78	ALASKA PENINSULA. ML 4.4 (PMR).
	26	09	40	35.3*	38.994	N	20.383	E	10	G		1.0	8	GREECE. MD 3.3 (ATH).
	26	09	56	10.0*	45.118	S	167.197	E	127	*		0.6	18	SOUTH ISLAND, NEW ZEALAND
	26	10	00	56.6	43.500	N	0.568	W	10	G		0.9	20	PYRENEES. ML 3.1 (LDG), 2.7 (STR). mbLg 2.6 (MDD). Felt (III) in the Lacq oilfield, France.
	26	12	13	40.9	52.079	N	170.061	W	33	N	4.8 4.4	1.2	91	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
	26	13	26	39.9?	5.34	S	106.35	W	10	G	4.8	1.0	26	CENTRAL EAST PACIFIC RISE
	26	14	26	54.5*	31.904	S	71.620	W	33	N		0.5	13	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	26	16	09	11.0*	6.453	S	154.745	E	105	*	4.0	0.8	12	SOLOMON ISLANDS
	26	16	13	58.8&	59.926	N	153.278	W	123		3.0		74	SOUTHERN ALASKA. <AEIC>.
	26	16	15	59.4%	43.206	N	18.854	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	26	17	23	32.2&	62.935	N	151.163	W	125				64	CENTRAL ALASKA. <AEIC>.
	26	18	20	23.7&	35.750	N	116.530	W	6	G			12	CENTRAL CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.5 (GS).

	26	18	42	28.3	53.210	N	158	538	E	144	D	5.0	0	8	201	NEAR EAST COAST OF KAMCHATKA
	26	20	02	10.4	65.295	N	139	.633	W	10	G	3.6	0	9	19	NORTHERN YUKON TERRITORY, CANADA ML 3.2 (AEIC).
	26	20	17	43.0%	39.587	N	16	.434	E	10	G		0	9	5	SOUTHERN ITALY
	26	21	00	34.9*	49.126	N	147	.751	E	540	?	3.9	0	3	15	SEA OF OKHOTSK
	26	21	05	42.5	46.596	N	1	.639	E	10	G		0	9	23	FRANCE. ML 3.0 (LDG). 2.9 (STR)
	26	21	40	30.0*	6.453	S	148	.987	E	70	*	4.9	1	2	13	NEW BRITAIN REGION, P.N.G.
	26	21	46	59.0	39.255	N	23	.640	E	10	G		1	0	20	AEGEAN SEA. ML 3.2 (ATH).
	26	21	59	21.5	39.259	N	23	.521	E	10	G		1	3	14	AEGEAN SEA. ML 3.2 (ATH).
	26	22	01	53.6*	0.676	N	77	.589	W	10	G	4.0	1	5	7	COLOMBIA-ECUADOR BORDER REGION
	26	22	10	57.7*	39.689	N	27	.748	E	10	G		0	8	5	TURKEY
	26	22	44	33.0?	38.17	N	20	.38	E	5	G		0	6	6	GREECE. MD 3.0 (ATH).
	26	23	12	48.8%	31.992	S	117	.272	E	10	G		0	5	5	WESTERN AUSTRALIA
	26	23	24	59.2	37.420	N	21	.935	E	10	G		1	4	5	SOUTHERN GREECE. ML 3.1 (ATH).
	26	23	37	39.4?	48.05	N	7	.85	E	10	G		0	4	4	FRANCE. ML 1.7 (LDG).
	26	23	48	56.1	32.282	N	76	.415	E	33	N	4.5	1	2	17	KASHMIR-INDIA BORDER REGION
	27	00	11	01.6%	37.578	N	3	.535	W	10	G		0	7	5	SPAIN. mbLg 2.9 (MDD).
	27	00	27	09.7*	35.882	N	29	.087	E	10	G		1	1	8	EASTERN MEDITERRANEAN SEA. ML 3.2 (CSS).
	27	00	37	17.8*	24.764	S	70	.758	W	68	*	4.0	0	4	7	NEAR COAST OF NORTHERN CHILE
	27	02	04	57.0	6.426	S	148	.932	E	68	*	4.8	1	2	32	NEW BRITAIN REGION, P.N.G.
	27	02	08	54.5	40.524	N	22	.790	E	10	G		0	4	13	GREECE
	27	02	31	16.2?	41.84	N	22	.84	E	10	G		0	3	5	NORTHWESTERN BALKAN REGION
	27	02	43	48.3	50.602	N	1	.847	E	10	G		0	7	28	FRANCE. ML 3.5 (LDG). MD 3.5 (UCC).
	27	03	01	05.1*	35.922	N	31	.349	E	10	G		0	9	7	CYPRUS REGION. ML 2.7 (CSS).
	27	04	22	43.5&	41.185	N	123	.283	W	19					6	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	27	04	59	23.0*	31.807	S	68	.713	W	33	N		1	3	11	SAN JUAN PROVINCE, ARGENTINA
	27	05	22	32.7&	64.230	N	150	.877	W	33	N	4.1			82	CENTRAL ALASKA. <AEIC>. ML 4.7 (AEIC), 4.8 (PMR). Felt at Ester, Fairbanks, Fort Wainwright and Healy.
	27	05	43	10.3	44.259	N	8	.239	E	5	G		0	5	12	NORTHERN ITALY. ML 2.5 (LDG), 2.3 (GEN).
a	27	06	18	52.9	13.293	S	166	.591	E	33	N	5.7 4.8	1	0	97	VANUATU ISLANDS
	27	06	32	43.4&	62.961	N	150	.791	W	103		2.7			49	CENTRAL ALASKA. <AEIC>.
	27	08	11	36.0*	42.359	N	44	.044	E	33	N	3.7	1	6	9	NORTHWESTERN CAUCASUS
	27	08	11	56.7&	59.908	N	152	.556	W	86					44	SOUTHERN ALASKA. <AEIC>.
	27	08	23	41.7*	2.864	S	139	.975	E	33	N	5.1	0	9	15	NEAR NORTH COAST OF IRIAN JAYA
	27	08	52	41.0&	64.171	N	151	.068	W	25					4	CENTRAL ALASKA. <AEIC>. ML 2.2 (AEIC), 2.7 (PMR).
	27	09	32	10.6*	38.263	N	39	.038	E	25	*	3.4	1	4	14	TURKEY. Felt at Malatya.
	27	09	37	43.9?	40.39	N	23	.24	E	10	G		1	0	4	GREECE
a	27	09	52	58.8	21.481	S	68	.032	W	145	D	5.0	1	4	95	CHILE-BOLIVIA BORDER REGION
	27	10	23	55.2%	39.233	N	29	.205	E	10	G		1	5	5	TURKEY
	27	12	53	41.2%	16.001	N	97	.263	W	33	N		1	0	6	OAXACA, MEXICO
	27	13	07	14.1*	30.643	N	139	.176	E	98	?	4.2	1	2	20	SOUTH OF HONSHU, JAPAN
	27	13	19	02.0*	30.840	N	138	.908	E	33	N	4.5 4.2	1	1	27	SOUTH OF HONSHU, JAPAN
	27	14	36	23.5%	43.802	N	12	.051	E	10	G		0	7	6	CENTRAL ITALY
	27	15	03	56.8%	44.224	N	8	.280	E	10	G		0	6	8	NORTHERN ITALY. ML 1.8 (GEN).
	27	16	10	50.3*	64.348	N	150	.551	W	10	G		1	4	6	CENTRAL ALASKA. ML 2.8 (PMR).
	27	16	29	12.9%	66.973	N	21	.034	E	10	G		1	4	6	SWEDEN. MD 2.8 (BER).
	27	16	52	51.3%	43.143	N	18	.796	E	10	G		0	2	6	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
	27	16	58	32.0	15.903	N	96	.960	W	57	?	3.6	1	2	10	NEAR COAST OF OAXACA, MEXICO
	27	17	04	10.1?	44.23	N	8	.24	E	10	G		0	1	4	NORTHERN ITALY. ML 1.5 (GEN).
	27	17	10	10.1&	60.171	N	152	.440	W	95					35	SOUTHERN ALASKA. <AEIC>.
	27	19	08	11.5*	44.500	N	148	.582	E	33	N	4.2	1	0	14	KURIL ISLANDS
	27	19	17	54.8?	39.50	N	25	.97	E	10	G		1	0	4	AEGEAN SEA
	27	20	26	56.9%	18.116	N	76	.673	W	10	G		0	7	5	JAMAICA REGION. MD 2.6 (HOJ). Felt (III) at Catherine's Peak. Also felt at Newcastle and St. Andrew.
	27	20	27	03.8	30.812	N	137	.514	E	487	*	4.4	0	6	22	SOUTH OF HONSHU, JAPAN
	27	20	45	56.5&	62.515	N	149	.117	W	57		4.3			118	CENTRAL ALASKA. <AEIC>. ML 4.8 (AEIC), 4.7 (PMR). Felt (III) at Anchoroge, Eagle River, Palmer, Talkeetna and Wasilla. Also felt at Fairbanks and Healy.
	27	21	42	54.7	41.104	N	142	.246	E	78		4.7	1	2	21	HOKKAIDO, JAPAN REGION
	27	22	16	02.8?	61.63	N	1	.78	E	10	G		0	8	8	NORWEGIAN SEA. MD 2.8 (BER).
	27	22	16	47.5	42.953	N	16	.815	E	17			1	2	57	ADRIATIC SEA. ML 3.9 (ZAG), 3.8 (VIE), 3.3 (TTG). Felt on Korcula, Brac and Lastovo Islands, Croatia. Also felt at Hvar and Dubrovnik, Croatia.
	27	22	26	59.3?	0.41	N	126	.38	E	33	N	5.1	1	0	9	NORTHERN MOLUCCA SEA
	27	22	34	52.8?	20.04	S	178	.49	W	477	?	4.2	0	7	12	FIJI ISLANDS REGION
	27	23	19	26.7%	38.510	N	13	.077	E	10	G		0	3	5	SICILY
	28	00	08	54.2%	37.926	N	1	.820	W	10	G		0	9	10	SPAIN. mbLg 3.5 (MDD). Felt (III) in the epicentral area.
	28	00	49	35.3	42.936	N	16	.780	E	10	G		1	1	22	ADRIATIC SEA. ML 3.1 (ZAG), 2.7 (TTG). MD 3.5 (TRI). Felt on Korcula, Lastova and Brac Islands, Croatia. Also felt at Hvar, Croatia.
	28	03	01	38.0?	21.06	N	94	.74	E	120	?	3.6	0	5	8	MYANMAR
	28	03	59	31.9%	42.065	N	19	.214	E	10	G		0	3	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	28	04	15	17.2*	6.110	S	154	.457	E	91	?	3.9	0	7	7	SOLOMON ISLANDS
	28	04	49	32.4*	40.087	N	104	.785	E	33	N	4.4	0	9	9	WESTERN NEI MONGOL, CHINA. ML 3.8 (BJI).
	28	05	41	27.3?	41.67	N	22	.92	E	10	G		0	4	5	NORTHWESTERN BALKAN REGION. ML 2.3 (SKO).
	28	05	46	38.3*	37.335	N	21	.006	E	10	G	3.9	0	8	15	SOUTHERN GREECE. ML 3.7 (ATH).
	28	06	45	09.2%	37.139	N	3	.893	W	10	G		1	2	11	SPAIN. mbLg 3.2 (MDD).
	28	07	41	40.4	5.381	S	151	.721	E	69		5.0	0	5	14	NEW BRITAIN REGION, P.N.G.
	28	07	52	55.6%	44.339	N	7	.370	E	10	G		0	6	7	NORTHERN ITALY. ML 1.8 (GEN).
	28	10	04	29.6*	8.331	S	149	.006	E	13		4.3	0	8	11	EASTERN NEW GUINEA REG., P.N.G. ML 4.0 (PMG).
	28	10	25	49.5	6.940	S	125	.937	E	494		5.1	0	9	135	BANDA SEA
	28	10	48	25.6?	59.80	N	9	.02	E	10	G		1	6	4	SOUTHERN NORWAY. MD 2.3 (BER).
	28	12	28	42.1%	60.233	N	4	.563	E	10	G		0	5	8	SOUTHERN NORWAY. MD 2.5 (BER).
	28	12	38	16.4*	43.090	N	5	.031	E	10	G		1	0	6	NEAR SOUTH COAST OF FRANCE. ML 2.8 (LDG).
	28	12	42	23.5%	43.079	N	0	.615	W	10	G		0	5	7	PYRENEES. ML 1.0 (STR).
	28	13	06	57.2%	44.229	N	8	.275	E	10	G		0	4	8	NORTHERN ITALY. ML 2.0 (GEN).
	28	13	15	37.4*	41.468	N	142	.107	E	82	?	4.5	1	1	18	HOKKAIDO, JAPAN REGION
	28	14	02	30.5*	31.097	S	68	.569	W	10	G		1	3	5	SAN JUAN PROVINCE, ARGENTINA
	28	14	28	47.8%	41.189	N	23	.190	E	10	G		0	2	5	GREECE-BULGARIA BORDER REGION
	28	14	35	17.0%	45.621	N	26	.740	E	10	G		1	0	9	ROMANIA
	28	15	29	05.6*	21.358	S	174	.268	W	37	D	5.3 4.9	1	2	68	TONGA ISLANDS
	28	15	53	03.1	16.701	N	94	.143	W	131		4.5	0	9	23	OAXACA, MEXICO
	28	16	22	00.4*	36.843	N	71	.706	E	33	N	4.3	0	8	10	AFGHANISTAN-TAJIKISTAN BORD REG.

	28	16	56	19.9?	28.72	S	71.08	W	33	N		1.1	7 NEAR COAST OF CENTRAL CHILE
	28	17	03	38.8?	29.17	N	139.62	E	344	?	4.2	0.6	8 SOUTH OF HONSHU, JAPAN
	28	17	48	34.2?	29.72	S	68.52	W	33	N		1.1	5 SAN JUAN PROVINCE, ARGENTINA
	28	18	25	17.2*	37.397	S	176.821	E	196	*	3.0	1.1	22 NORTH ISLAND, NEW ZEALAND
	28	18	34	08.2&	37.065	N	121.485	W	4				16 CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK).
	28	19	43	00.6	38.815	S	174.909	E	261	*		0.4	31 NORTH ISLAND. NEW ZEALAND
	28	20	41	31.4?	23.14	S	177.23	W	402	?	4.8	1.0	30 SOUTH OF FIJI ISLANDS
	28	21	35	04.1	43.162	N	5.049	E	12			0.6	47 NEAR SOUTH COAST OF FRANCE. ML 3.4 (LDG), 3.0 (STR).
	28	21	48	50.0*	43.018	N	4.954	E	10	G		1.0	7 NEAR SOUTH COAST OF FRANCE. ML 2.8 (LDG).
	28	22	06	54.8	26.088	S	71.382	E	10	G	5.1	0.7	32 MID-INDIAN RIDGE
	28	23	42	49.0&	58.772	N	152.996	W	74				33 KODIAK ISLAND REGION <AEIC>.
	28	23	58	01.2?	38.23	N	20.20	E	5	G		1.4	6 GREECE. MD 3.1 (ATH).
	29	00	32	25.7	39.209	N	26.389	E	10	G		0.5	13 TURKEY
	29	01	45	10.9?	44.23	N	8.27	E	10	G		0.2	4 NORTHERN ITALY. ML 1.8 (GEN).
	29	02	19	58.8%	39.326	N	28.990	E	10	G		0.3	5 TURKEY
	29	02	39	23.7?	10.80	N	62.48	W	5	G		0.9	7 NEAR COAST OF VENEZUELA. MD 3.4 (TRN).
	29	04	01	22.3?	40.40	N	23.63	E	5	G		0.1	4 GREECE
	29	04	14	31.3	42.787	N	145.301	E	48		4.5	0.9	52 HOKKAIDO, JAPAN REGION
	29	04	32	20.0%	45.535	N	9.801	E	10	G		1.1	5 NORTHERN ITALY
	29	05	22	37.2*	36.448	N	10.116	W	33	N		1.0	9 NORTH ATLANTIC OCEAN. mbLg 2.8 (MDD). MD 3.3 (RBA).
	29	05	31	24.4	15.961	N	60.895	W	73	*	3.4	0.5	19 LEEWARD ISLANDS. MD 3.5 (TRN).
	29	06	24	20.3	21.427	S	67.271	W	190	*	4.3	0.6	12 CHILE-BOLIVIA BORDER REGION
	29	07	37	50.3%	37.178	N	4.544	W	10	G		0.7	7 SPAIN. mbLg 3.6 (MDD).
	29	08	26	13.6%	34.050	S	70.416	W	10	G		0.3	6 CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	29	09	17	58.4*	17.750	S	116.057	W	10	G	5.0 4.3	0.9	41 SOUTHERN EAST PACIFIC RISE
	29	09	37	50.5*	35.660	N	22.630	E	33	N	3.8	1.3	27 CENTRAL MEDITERRANEAN SEA
	29	11	37	06.3%	44.486	N	10.748	E	10	G		1.5	5 NORTHERN ITALY
	29	11	56	12.9	0.455	N	126.425	E	56	*	5.0	0.9	54 NORTHERN MOLUCCA SEA
	29	12	00	40.1*	1.305	N	122.592	E	33	N	5.0	1.2	13 MINAHASSA PENINSULA, SULAWESI
	29	12	38	56.3%	42.783	N	19.116	E	10	G		0.2	7 NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	29	12	52	32.2%	43.086	N	0.407	W	10	G		0.1	5 PYRENEES. ML 1.0 (STR).
	29	12	58	46.1*	7.702	S	128.104	E	33	N	4.2	0.9	7 BANDA SEA
	29	13	35	17.6*	42.467	N	24.214	E	5	G		1.0	8 BULGARIA
	29	13	40	01.4	35.593	N	26.535	E	42		4.5 3.2	1.1	95 CRETE. MD 4.2 (HLW).
	29	13	49	09.4*	16.407	N	97.272	W	59	*	4.4	1.5	17 OAXACA, MEXICO
	29	14	27	15.1?	25.61	S	179.85	E	532	?	4.9	1.0	14 SOUTH OF FIJI ISLANDS
	29	16	09	24.9%	39.068	N	28.965	E	10	G		0.7	6 TURKEY
	29	16	15	34.4*	17.781	N	60.946	W	10	G	3.4	0.6	12 LEEWARD ISLANDS. MD 3.2 (TRN).
	29	17	05	55.8%	44.158	N	8.202	E	10	G		0.2	6 NORTHERN ITALY. ML 1.9 (GEN).
	29	17	27	09.9%	37.241	N	1.747	W	10	G		0.7	7 SPAIN. mbLg 2.8 (MDD).
	29	17	40	04.8	17.725	N	61.115	W	32		4.4	0.8	23 LEEWARD ISLANDS. ML 4.0 (FDF). MD 3.8 (TRN).
	29	18	08	56.8	47.976	N	7.359	E	10	G		0.2	7 SWITZERLAND. ML 2.5 (LDG), 2.0 (STR).
	29	18	14	23.6	38.857	N	22.282	E	10	G	3.3	0.6	15 GREECE. MD 3.4 (THE).
	29	18	54	47.2&	60.014	N	141.576	W	8				27 SOUTHEASTERN ALASKA. <AEIC>. ML 3.0 (AEIC), 2.8 (PGC).
	29	19	16	11.1?	35.19	S	71.24	W	100	G		0.4	6 CENTRAL CHILE. MD 3.8 (SAN).
	29	19	59	27.3	38.360	N	20.368	E	10	G	4.1	1.6	48 GREECE. MD 3.8 (ATH). ML 3.7 (TTG).
	29	20	26	05.2*	17.539	N	61.186	W	10	G		0.4	10 LEEWARD ISLANDS. MD 3.1 (TRN). ML 3.3 (FDF).
	29	20	49	29.6&	60.134	N	153.411	W	156				71 SOUTHERN ALASKA. <AEIC>.
	29	20	52	41.7?	35.85	N	26.92	E	10	G		0.3	5 CRETE
	29	20	53	55.0?	44.25	N	114.23	W	5	G		0.5	7 WESTERN IDAHO. ML 2.7 (GS), 3.0 (BUT).
	29	20	57	45.9&	35.220	N	118.840	W	6	G			19 CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.1 (GS). Felt (III) at Di Giorgio.
	29	21	07	23.2%	39.135	N	28.813	E	10	G		0.5	6 TURKEY
	29	21	29	14.9?	51.28	N	16.02	E	10	G		0.9	7 POLAND
	29	21	49	35.1%	46.287	N	7.829	E	10	G		0.3	6 SWITZERLAND. ML 2.5 (LDG).
	29	23	24	44.7%	39.879	N	24.520	E	10	G		0.7	6 AEGEAN SEA
	29	23	33	49.4?	18.00	N	105.06	W	33	N	3.6	0.8	11 OFF COAST OF JALISCO, MEXICO
	30	00	59	32.8&	60.428	N	147.801	W	19				48 SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	30	01	33	00.9*	17.514	N	61.224	W	10	G		0.5	9 LEEWARD ISLANDS. MD 3.3 (TRN). ML 3.3 (FDF).
	30	01	51	29.4	31.600	N	129.919	E	15		4.8 4.5	1.4	61 KYUSHU, JAPAN
	30	02	07	06.9?	44.78	N	151.68	E	33	N	4.0	1.0	10 EAST OF KURIL ISLANDS
	30	02	21	17.4?	35.29	S	179.93	E	87	?	4.9	1.3	24 OFF E. COAST OF N. ISLAND, N.Z.
	30	02	44	00.4%	46.627	N	1.588	E	10	G		0.3	8 FRANCE. ML 2.0 (LDG).
	30	04	04	26.2&	36.838	N	121.592	W	8				16 CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	30	04	04	56.0?	31.17	N	141.58	E	33	N	4.3	0.9	6 SOUTH OF HONSHU, JAPAN
	30	04	23	49.8	11.597	N	72.844	W	30	*	4.2	0.9	18 NEAR NORTH COAST OF COLOMBIA. Felt at Maicao and on Peninsula de Guajira.
a	30	04	43	16.9?	1.54	S	12.75	W	10	G	4.6	1.3	9 NORTH OF ASCENSION ISLAND
	30	04	46	08.3	1.742	S	12.841	W	10	G	5.0 4.9	0.9	57 NORTH OF ASCENSION ISLAND
	30	04	56	13.8	42.669	N	17.155	E	5	G		0.4	11 ADRIATIC SEA. ML 2.5 (TTG).
a	30	05	22	01.4	24.958	N	63.141	E	29	D	5.5 5.6	0.9	225 OFF COAST OF PAKISTAN
	30	05	24	06.8&	59.627	N	153.000	W	106		2.7		54 SOUTHERN ALASKA. <AEIC>.
	30	05	55	47.8*	29.291	N	81.128	E	33	N	4.6	1.3	10 NEPAL. Felt in southwestern Nepal.
	30	06	15	10.4*	45.247	N	150.960	E	33	N	4.8	0.7	33 KURIL ISLANDS
	30	06	25	20.0?	32.90	S	178.06	W	33	N	4.4	1.3	9 SOUTH OF KERMADEC ISLANDS
	30	07	53	54.8	39.742	N	19.665	E	5	G		1.0	14 GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH).
	30	10	46	07.4%	45.068	N	7.254	E	10	G		0.5	5 NORTHERN ITALY. ML 1.8 (GEN).
	30	14	20	33.4?	44.56	N	151.92	E	74	?	3.3	0.7	9 EAST OF KURIL ISLANDS
	30	14	40	34.9?	44.35	N	8.13	E	5	G		0.2	4 NORTHERN ITALY. ML 1.7 (GEN).
	30	15	54	05.3	1.900	N	128.580	E	29	D	5.3 4.4	1.2	128 HALMAHERA, INDONESIA
	30	17	03	38.8*	9.201	N	125.719	E	60	G	4.2	0.8	9 MINDANAO, PHILIPPINE ISLANDS
	30	17	08	29.5*	37.009	S	176.857	E	300	*		0.6	36 NORTH ISLAND, NEW ZEALAND
	30	17	15	01.2	44.624	N	8.130	E	9			0.8	26 NORTHERN ITALY. ML 2.6 (GEN), 2.6 (LDG).
	30	17	15	10.6*	37.451	N	70.906	E	10	G	4.2	0.8	9 AFGHANISTAN-TAJIKISTAN BORD REG.
	30	17	27	27.7?	24.92	S	179.80	W	530	?	4.7	0.8	18 SOUTH OF FIJI ISLANDS
	30	17	54	19.3	22.736	N	93.592	E	73	*	4.2	0.8	11 MYANMAR-INDIA BORDER REGION
	30	17	58	02.3%	44.608	N	8.112	E	10	G		0.6	8 NORTHERN ITALY. ML 2.0 (GEN).
	30	18	09	12.4?	36.68	N	6.53	W	10	G		0 5	6 STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
	30	18	10	46.3?	36.78	S	177.52	E	290	?		0.4	17 OFF E. COAST OF N. ISLAND, N.Z.
	30	18	13	55.3	26.584	N	126.359	E	138		5.0	1.1	142 RYUKYU ISLANDS
	30	18	21	16.2*	24.897	N	122.101	E	10	G	4.5	1.0	8 TAIWAN REGION
	30	18	23	26.9*	24.786	N	121.896	E	10	G		0.6	7 TAIWAN
	30	19	54	50.7?	43.86	N	7.17	E	10	G		0.3	4 NEAR SOUTH COAST OF FRANCE. ML 1.0 (STR).

	30	20	23	53.5*	32.764	S	72.251	W	33	N		0.8	15	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	30	20	59	29.5*	35.753	N	29.458	E	10	G		0.2	5	EASTERN MEDITERRANEAN SEA. ML 3.2 (CSS).
	30	21	07	54.8?	31.27	S	67.98	W	33	N		1.6	5	SAN JUAN PROVINCE, ARGENTINA
	30	21	11	43.5	17.344	N	119.322	E	33	N	4.6 3.9	0 7	27	PHILIPPINE ISLANDS REGION
	30	21	45	30.0*	37.340	S	176.737	E	231	?		0.4	22	NORTH ISLAND, NEW ZEALAND
	30	22	22	58.2&	56.443	N	150.010	W	10	G			24	GULF OF ALASKA. <AEIC>. ML 2.8 (AEIC).
a	30	22	42	17.0	58.214	S	148.528	E	10	G	5.1 5.7	1.2	45	WEST OF MACQUARIE ISLAND. Mo=2.5*10**18 Nm (PPT).
	30	23	15	51.2*	39.729	N	24.171	E	5	G		1.3	10	AEGEAN SEA
	30	23	33	53.1*	22.913	N	142.900	E	33	N	4.8 5.5	1.2	35	VOLCANO ISLANDS REGION
	30	23	47	44.6%	37.884	N	27.676	E	10	G		0.6	10	TURKEY
	31	01	01	17.7*	38.278	N	20.479	E	10	G		1.5	5	GREECE. MD 3.2 (ATH).
	31	04	02	00.2?	14.99	S	173.05	W	33	N	4.2	0.9	16	SAMOA ISLANDS REGION
	31	06	24	33.8&	59.080	N	151.773	W	55				41	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
	31	07	50	59.6%	60.156	N	4.888	E	10	G		0.1	7	SOUTHERN NORWAY. MD 1.8 (BER).
	31	08	58	23.0	29.505	S	71.648	W	74	?	3.9	1.0	18	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
	31	09	06	23.3?	33.99	S	72.53	W	10	G		0.4	6	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	31	09	37	20.9?	44.28	N	8.35	E	10	G		0.1	4	NORTHERN ITALY. ML 1.6 (GEN).
	31	10	01	13.7*	18.784	N	145.836	E	156	*	4.6	1.0	19	MARIANA ISLANDS
	31	11	06	37.4	40.622	N	20.294	E	5	G		1.0	22	GREECE-ALBANIA BORDER REGION. ML 3.1 (TTG).
	31	11	45	14.8?	43.34	N	5.56	E	5	G		1.0	13	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
	31	12	01	47.9	43.020	N	108.947	W	5	G	2.5	0.7	9	WYOMING. ML 2.8 (GS). Felt at Lander.
	31	12	11	19.0&	60.304	N	151.392	W	65		3.6		84	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.9 (AEIC), 3.7 (PMR).
	31	13	22	26.0*	42.667	N	23.877	E	10	G		1.2	7	BULGARIA
	31	13	59	25.2?	25.05	S	178.84	E	603	?	4.3	1.2	14	SOUTH OF FIJI ISLANDS
	31	14	05	00.3	6.287	S	142.258	E	33	N	4.3	0.9	11	NEW GUINEA, PAPUA NEW GUINEA
	31	15	10	37.8*	30.739	S	70.909	W	135	?		0.6	12	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	31	17	47	32.8?	5.20	S	146.51	E	162	?	3.7	1.3	5	EASTERN NEW GUINEA REG., P.N.G.
	31	18	18	21.1*	38.054	S	179.797	W	23		4.0	1.0	22	EAST OF NORTH ISLAND, N.Z.
	31	19	37	40.5	14.044	N	60.003	W	33	N		0.4	9	WINDWARD ISLANDS. MD 3.2 (TRN). ML 3.5 (FDF).
	31	20	44	14.9%	39.502	N	28.079	E	10	G		0.7	6	TURKEY
	31	22	35	22.9%	17.938	N	66.911	W	10	G		1.0	5	PUERTO RICO REGION
	31	23	33	35.3	3.342	S	135.466	E	47	D	5.2	0.7	38	IRIAN JAYA REGION, INDONESIA
	31	23	45	16.6	39.360	N	28.274	E	7			0.6	12	TURKEY

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

02 16 40 40.60 48.738N 129.233W 10km
5.7mb (69 obs.) 6.0Msz (23 obs.)
VANCOUVER ISLAND REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=139 Dip=90 Slip=-175
NP2: 49 85 -360
Principal Axes:
T Plg= 4 Azm=274
P 4 4
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. M
Energy 1.8±0.9*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 22 No. of sta: 12
Principal Axes:
Scale 10**18 Nm
T Val= 1.61 Plg= 2 Azm= 90
N 0.10 88 259
P -1.71 0 0
Best Double Couple:Mo=1.7*10**18
NP1:Strike=135 Dip=88 Slip= 179
NP2: 225 89 2
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 51C M.W.: 15S, 22C
Centroid Location:
Origin Time 16:40:42.8 0.2
Lat 48.53N 0.02 Lon 129.70W 0.02
Dep 23.2 1.4 Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 1.39 Plg= 4 Azm= 90
N -0.17 84 311
P -1.22 4 180
Best Double Couple:Mo=1.3*10**18
NP1:Strike=225 Dip=84 Slip= 0
NP2: 135 90 174

02 19 41 45.07 5.638N 73.832W 134km
5.8mb (65 obs.)
COLOMBIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=260 Dip=90 Slip= 35
NP2: 170 55 180
Principal Axes:
T Plg=24 Azm=131
P 24 29
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. M
Energy 1.3±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 121 No. of sta: 5
Principal Axes:
Scale 10**17 Nm
T Val= 5.56 Plg=12 Azm=122
N 0.00 64 238
P -5.57 23 27
Best Double Couple:Mo=5.6*10**17
NP1:Strike=167 Dip=65 Slip=-172
NP2: 73 83 -25
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 54C
Centroid Location:
Origin Time 19:41:53.3 0.4
Lat 5.96N 0.03 Lon 74.14W 0.03
Dep 139.5 1.0 Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 5.73 Plg=16 Azm=129
N -0.68 44 235
P -5.05 41 24
Best Double Couple:Mo=5.4*10**17
NP1:Strike=175 Dip=49 Slip=-159
NP2: 71 74 -43

03 03 39 20.59 48.965S 123.462E 10km
5.4mb (17 obs.) 5.4Msz (7 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 37C
Centroid Location:
Origin Time 03:39:26.6 1.0
Lat 48.94S 0.07 Lon 124.20E 0.07
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.96 Plg= 9 Azm=358
N 0.05 32 262
P -3.01 57 103
Best Double Couple:Mo=3.0*10**17
NP1:Strike=120 Dip=45 Slip= -42
NP2: 243 62 -127

04 00 56 59.10 66.628N 94.766W 18km
5.2mb (62 obs.) 5.0Msz (14 obs.)
NORTHWEST TERRITORIES, CANADA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 31C
Centroid Location:
Origin Time 00:56:59.2 0.6
Lat 67.11N 0.06 Lon 94.42W 0.16
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.85 Plg=14 Azm=147
N -1.34 74 296
P -9.51 8 55
Best Double Couple:Mo=1.0*10**17
NP1:Strike=190 Dip=75 Slip= 176
NP2: 281 86 15

04 03 35 21.65 31.954N 69.991E 29km
5.0mb (48 obs.) 5.1Msz (8 obs.)
PAKISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 19C
Centroid Location:
Origin Time 03:35:23.5 0.6
Lat 31.66N 0.08 Lon 69.94E 0.06
Dep 29.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.36 Plg=62 Azm=300
N 0.40 6 198
P -1.76 28 105
Best Double Couple:Mo=1.6*10**17
NP1:Strike=180 Dip=18 Slip= 71
NP2: 20 73 96

06 14 28 14.79 0.683N 123.336E 58km
5.3mb (38 obs.)
MINAHASSA PENINSULA, SULAWESI
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 24C
Centroid Location:
Origin Time 14:28:21.7 0.9
Lat 1.37N 0.08 Lon 123.08E 0.07
Dep 47.9 6.7 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 9.57 Plg=58 Azm= 46
N 0.64 21 175
P -10.21 22 275
Best Double Couple:Mo=9.9*10**16
NP1:Strike= 39 Dip=29 Slip= 138
NP2: 168 71 67

06 21 26 01.28 6.261S 146.417E 116km

5.3mb (42 obs.)
EASTERN NEW GUINEA REG., P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 17C
Centroid Location:
Origin Time 21:26: 4.5 1.2
Lat 6.40S 0.09 Lon 146.61E 0.14
Dep 102.2 5.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.85	19	198
N	-0.73	61	69
P	-5.11	21	295

Best Double Couple:Mo=5.5*10**16
NP1:Strike=336 Dip=61 Slip= -1
NP2: 67 89 -151

07 17 25 55.60 45.773N 151.181E 44km
5.2mb (82 obs.) 4.5Msz (12 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 17:26: 2.9 0.8
Lat 45.94N 0.11 Lon 151.27E 0.08
Dep 56.7 5.2 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.68	77	233
N	0.27	12	45
P	-4.95	2	136

Best Double Couple:Mo=4.8*10**16
NP1:Strike=238 Dip=45 Slip= 108
NP2: 34 48 73

09 15 39 04.10 9.003S 109.355W 10km
5.2mb (13 obs.) 5.6Msz (6 obs.)
CENTRAL EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 53C
Centroid Location:
Origin Time 15:39: 5.6 0.4
Lat 9.33S 0.04 Lon 109.42W 0.03
Dep 24.0 3.1 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.53	4	307
N	0.07	86	153
P	-4.60	2	37

Best Double Couple:Mo=4.6*10**17
NP1:Strike= 82 Dip=86 Slip= 1
NP2: 352 89 176

10 00 38 08.27 13.642N 120.817E 144km
5.1mb (48 obs.)
MINDORO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 30C
Centroid Location:
Origin Time 00:38: 4.7 0.8
Lat 13.38N 0.07 Lon 121.03E 0.06
Dep 126.7 3.5 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.48	74	325
N	-0.10	15	120
P	-5.39	7	212

Best Double Couple:Mo=5.4*10**16
NP1:Strike=318 Dip=41 Slip= 113
NP2: 108 53 71

10 14 46 19.12 2.316N 127.442E 20km
5.0mb (23 obs.) 5.1Msz (13 obs.)
NORTHERN MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 48C
Centroid Location:
Origin Time 14:46:29.0 0.6
Lat 3.24N 0.06 Lon 127.96E 0.05
Dep 26.7 4.2 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.10	33	233
N	0.83	52	88
P	-2.93	17	335

Best Double Couple:Mo=2.5*10**17
NP1:Strike= 18 Dip=53 Slip= 13
NP2: 281 80 143

11 06 16 55.96 9.311N 86.964E 22km
5.7mb (101 obs) 5.0Msz (25 obs)
BAY OF BENGAL
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 70C
Centroid Location:
Origin Time 06:16:55.6 0.5
Lat 9.45N 0.04 Lon 86.67E 0.03
Dep 17.1 1.5 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.86	56	274
N	-0.70	33	81
P	-3.16	6	175

Best Double Couple:Mo=3.5*10**17
NP1:Strike=296 Dip=48 Slip= 136
NP2: 59 59 51

12 00 12 27.17 39.671N 98.300E 22km
5.4mb (77 obs.) 4.7Msz (1 obs.)
GANSU, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 27C
Centroid Location:
Origin Time 00:12:31.8 1.5
Lat 39.71N 0.13 Lon 97.88E 0.09
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.82	0	124
N	1.04	90	180
P	-6.87	0	34

Best Double Couple:Mo=6.3*10**16
NP1:Strike=169 Dip=90 Slip=-180
NP2: 259 90 0

13 06 08 44.18 49.150N 128.998W 10km
4.7mb (19 obs.) 4.8Msz (3 obs.)
VANCOUVER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 39C
Centroid Location:
Origin Time 06:08:48.5 0.4
Lat 49.24N 0.05 Lon 129.72W 0.09
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.15	5	77
N	0.26	63	337
P	-1.41	26	169

Best Double Couple:Mo=1.3*10**17
NP1:Strike=210 Dip=68 Slip= -16
NP2: 306 75 -157

13 09 37 43.70 20.930S 178.717W 575km
5.7mb (60 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 78C
Centroid Location:
Origin Time 09:37:47.3 0.3
Lat 20.73S 0.03 Lon 178.53W 0.02
Dep 577.8 1.2 Half-duration 3.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	9.18	25	84
N	0.53	25	187
P	-9.71	53	316

Best Double Couple:Mo=9.4*10**17
NP1:Strike=132 Dip=30 Slip=-149
NP2: 14 75 -64

13 11 58 23.14 1.342N 127.373E 113km
6.0mb (86 obs.)
HALMAHERA, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=188 Dip=77 Slip= 105
NP2: 318 20 42
Principal Axes:

	Plg=	Azm=
T	56	117
P	30	266

Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a small left-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY No. of sta: 11 Focal mech. M
Energy 3.1±0.6*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 112 No. of sta: 13
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.59	54	109
N	0.00	11	2
P	-1.60	33	265

Best Double Couple:Mo=1.6*10**18
NP1:Strike=317 Dip=16 Slip= 43
NP2: 185 79 102
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 72C M.W.: 13S, 17C
Centroid Location:
Origin Time 11:58:28.4 0.2
Lat 1.44N 0.01 Lon 127.50E 0.01
Dep 133.3 0.7 Half-duration 3.9
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.30	44	135
N	0.01	28	14
P	-1.31	33	264

Best Double Couple:Mo=1.3*10**18
NP1:Strike=299 Dip=29 Slip= 13
NP2: 198 84 118

15 01 18 12.73 2.169S 77.041W 148km
5.1mb (65 obs.)
PERU-ECUADOR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 48C
Centroid Location:
Origin Time 01:18:17.9 0.3
Lat 2.08S 0.03 Lon 76.92W 0.04
Dep 147.0 1.6 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.49	20	46
N	-0.13	16	310
P	-2.36	64	184

Best Double Couple:Mo=2.4*10**17
NP1:Strike=161 Dip=29 Slip= -55
NP2: 303 67 -108

15 05 00 32.88 13.939N 120.667E 147km
5.1mb (54 obs.)
MINDORO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 26C
Centroid Location:
Origin Time 05:00:36.3 0.9
Lat 14.13N 0.08 Lon 120.81E 0.08
Dep 160.6 2.3 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.15	74	142
N	-0.34	11	277
P	-6.81	11	9

Best Double Couple:Mo=7.0*10**16
NP1:Strike=113 Dip=36 Slip= 109
NP2: 269 57 77

15 06 58 32.44 18.017N 70.618W 10km
5.8mb (72 obs.) 5.3Msz (16 obs.)
DOMINICAN REPUBLIC REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 67C
Centroid Location:
Origin Time 06:58:35.4 0.4
Lat 18.20N 0.04 Lon 70.66W 0.04
Dep 15.0 BDY Half-duration 2.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.29	56	48
N	-0.20	13	299
P	-4.09	31	201

Best Double Couple:Mo=4.2*10**17
NP1:Strike=255 Dip=18 Slip= 45
NP2: 122 78 103

16 18 46 49.73 41.514N 141.850E 73km
5.1mb (73 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 47C
Centroid Location:
Origin Time 18:46:51.3 0.4

Lat 41.32N 0.05 Lan 142.18E 0.04
Dep 70.3 3.4 Half-duratian 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.46	71	307
N	0.18	0	217
P	-1.63	19	127

Best Double Couple:Mo=1.5*10**17
NP1:Strike=216 Dip=26 Slip= 90
NP2: 37 64 90

17 00 15 27.15 52.928N 159.702E 43km
5.5mb (79 obs.) 4.7Msz (13 obs.)
OFF EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 60C
Centraid Location:
Origin Time 00:15:32.4 0.3
Lat 52.67N 0.03 Lan 160.36E 0.05
Dep 48.8 2.8 Half-duratian 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.24	77	292
N	-0.05	3	38
P	-1.19	12	128

Best Double Couple:Mo=1.2*10**17
NP1:Strike=223 Dip=33 Slip= 96
NP2: 35 57 86

20 08 58 22.55 27.398N 65.994E 27km
5.2mb (53 obs.) 5.2Msz (16 obs.)
PAKISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 52C
Centroid Location:
Origin Time 08:58:24.2 0.4
Lat 27.37N 0.04 Lan 65.935 0.04
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.10	19	57
N	-0.12	70	219
P	-1.97	6	325

Best Double Couple:Mo=2.0*10**17
NP1:Strike= 99 Dip=72 Slip= 170
NP2: 192 80 18

20 13 37 03.08 27.983N 139.405E 499km
5.8mb (129 obs.)
BONIN ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=300 Dip=80 Slip= -40
NP2: 38 51 -167
Principal Axes:

	Plg=	Azm=
T	19	355
P	35	251

Comment: The facal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. af sta: 13 Facal mech. F
Energy 3.8±0.9*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 492 No. af sta: 15
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.02	17	355
N	0.09	54	109
P	-1.11	31	255

Best Double Couple:Mo=1.1*10**19
NP1:Strike= 39 Dip=55 Slip=-168
NP2: 302 80 -35
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 36S, 96C
Centroid Location:
Origin Time 13:37:10.7 0.1
Lat 28.02N 0.01 Lan 139.38E 0.01
Dep 522.8 0.7 Half-durotion 7.9
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	10.72	21	1
N	0.62	37	108
P	-11.34	46	248

Best Double Couple:Mo=1.1*10**19
NP1:Strike= 47 Dip=40 Slip=-157
NP2: 299 75 -52

21 22 07 58.93 26 632N 67.198E 26km
5 4mb (98 obs.) 5 2Msz (16 obs.)
PAKISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 49C
Centraid Locatian.
Origin Time 22:08: 0.1 0.4
Lat 26.90N 0.05 Lon 67.49E 0.05
Dep 15.0 BDY Half-duratian 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.54	79	196
N	-0.09	11	26
P	-1.45	2	296

Best Double Couple:Mo=1.5*10**17
NP1:Strike= 15 Dip=44 Slip= 75
NP2: 216 48 104

22 01 06 55.51 38.470N 140.308E 116km
5.6mb (124 obs.)
EASTERN HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 59C
Centroid Locatian:
Origin Time 01:06:57.0 0.2
Lat 38.37N 0.02 Lan 140.48E 0.02
Dep 125.9 1.1 Half-duratian 2.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.94	55	91
N	0.05	1	0
P	-3.99	35	269

Best Double Couple:Mo=4.0*10**17
NP1:Strike=356 Dip=10 Slip= 87
NP2: 180 80 91

22 06 24 49.68 14.107S 167.287E 198km
5.3mb (41 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 46C
Centraid Location:
Origin Time 06:24:55.6 0.4
Lat 13.80S 0.05 Lan 166.84E 0.04
Dep 208.1 2.0 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.35	60	181
N	0.22	28	337
P	-1.57	10	72

Best Double Couple:Mo=1.5*10**17
NP1:Strike=192 Dip=42 Slip= 134
NP2: 320 61 58

23 04 24 15.65 38.351N 20.324E 17km
5.1mb (70 obs.) 5.2Msz (10 obs.)
GREECE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 71C
Centroid Locatian:
Origin Time 04:24:19.9 0.3
Lat 38.22N 0.05 Lan 19.97E 0.04
Dep 15.0 BDY Half-duration 2.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.08	85	21
N	-0.15	4	166
P	-2.93	3	256

Best Double Couple:Mo=3.0*10**17
NP1:Strike=351 Dip=42 Slip= 97
NP2: 162 48 84

24 05 04 47.33 35.515N 74.529E 47km
5.4mb (86 obs.) 4.2Msz (6 obs.)
NORTHWESTERN KASHMIR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 39C
Centroid Location:
Origin Time 05:04:52.9 0.4
Lat 35.13N 0.04 Lan 74.45E 0.03
Dep 103.4 1.6 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.55	3	133
N	0.28	86	3
P	-1.83	3	223

Best Double Couple:Mo=1.7*10**17
NP1:Strike=268 Dip=86 Slip= 0
NP2: 358 90 -176

24 12 09 24.34 9.403S 148.796E 35km
5.5mb (54 obs.) 4.8Msz (11 obs.)
EASTERN NEW GUINEA REG., P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 44C
Centroid Location:
Origin Time 12:09:29.3 0.7
Lat 9.36S 0.08 Lan 148.70E 0.08
Dep 26.1 4.8 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	12.13	30	14
N	1.27	18	115
P	-13.40	54	231

Best Double Couple:Mo=1.3*10**17
NP1:Strike= 62 Dip=22 Slip=-145
NP2: 299 77 -71

26 08 09 48.72 29.803N 129.451E 149km
5.4mb (95 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 47C
Centroid Location:
Origin Time 08:09:54.1 0.4
Lat 29.91N 0.04 Lan 129.37E 0.05
Dep 148.9 1.7 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.48	56	299
N	-0.19	11	191
P	-1.28	31	94

Best Double Couple:Mo=1.4*10**17
NP1:Strike=151 Dip=17 Slip= 48
NP2: 14 77 102

27 06 18 52.96 13.293S 166.591E 33km
5.7mb (26 obs.) 4.8Msz (8 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 28C
Centraid Location:
Origin Time 06:18:59.3 0.5
Lat 12.99S 0.07 Lan 166.34E 0.06
Dep 38.1 3.8 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.59	57	34
N	0.40	23	163
P	-8.99	23	264

Best Double Couple:Mo=8.8*10**16
NP1:Strike= 31 Dip=30 Slip= 141
NP2: 156 72 66

27 09 52 58.81 21.481S 68.032W 145km
5.0mb (20 obs.)
CHILE-BOLIVIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 66C
Centroid Location:
Origin Time 09:53: 6.6 0.2
Lat 21.17S 0.03 Lon 68.07W 0.03
Dep 145.6 0.9 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.86	0	285
N	-0.02	13	15
P	-4.84	77	193

Best Double Couple:Mo=4.8*10**17
NP1:Strike= 2 Dip=46 Slip=-108
NP2: 207 47 -72

30 04 43 16.91 1.54 S 12.75 W 10km
4.6mb (2 obs.)
NORTH OF ASCENSION ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 33C
Centroid Location:
Origin Time 04:43:23.5 0.5
Lat 1.47S 0.06 Lon 13.17W 0.04
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.03	0	260
N	0.02	0	170
P	-1.05	90	180

Best Double Couple:Mo=1.0*10**17
NP1:Strike=350 Dip=45 Slip= -90
NP2: 170 45 -90

30 05 22 01.41 24.958N 63.141E 29km
5.5mb (91 obs.) 5.6Msz (28 obs.)
OFF COAST OF PAKISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 54C
Centroid Location:
Origin Time 05:22: 2.7 0.3
Lat 24.25N 0.04 Lon 62.88E 0.04
Dep 15.0 FIX Half-duration 3.3
Principal Axes:
Scale 10**17 Nm
T Val= 6.65 Plg=53 Azm=345
N 0.12 6 83
P -6.77 36 177
Best Double Couple:Mo=6.7*10**17
NP1:Strike=298 Dip=10 Slip= 126
NP2: 82 82 84

30 22 42 17.06 58.214S 148.528E 10km
5 1mb (16 obs.) 5.7Msz (13 obs)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 69C
Centroid Location
Origin Time 22:42:24 4 0.2
Lat 58.06S 0.03 Lon 147.81E 0.04
Dep 15.0 FIX Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 8.52 Plg= 4 Azm= 29
N -1.02 83 259
P -7.51 5 120
Best Double Couple:Mo=8.0*10**17
NP1:Strike=164 Dip=83 Slip= -1
NP2: 254 89 -173

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

Corrections to Previous Monthly Listings

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

APRIL 1990:
03 07 33 25.65 5.843S 147.664E 88km
EAST PAPUA NEW GUINEA REGION
RADIATED ENERGY
No. of sta: 2 Focal mech. F
Energy 2.3+0.1*10**12 Nm

06 14 31 46.14 21.618S 174.213W 29km
TONGA ISLANDS
RADIATED ENERGY
No. of sta: 5 Focal mech. C
Energy 5.5+1.5*10**11 Nm

18 13 39 19.01 1.186N 122,857E 26km
MINAHASSA PENINSULA
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 1.6+0.5*10**15 Nm

26 15 40 34.40 1.059N 122.825E 24km
MINAHASSA PENINSULA
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 1.5+0.3*10**13 Nm

JUNE 1990:
01 01 22 11.59 35.522N 140.339E 67km
NEAR EAST COAST OF HONSHU, JAPAN
RADIATED ENERGY
No. of sta: 3 Focal mech. M
Energy 1.8+0.8*10**13 Nm

JULY 1990:
17 21 14 43.86 16.495N 120.981E 23km
LUZON, PHILIPPINE ISLANDS
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 1.9+0.7*10**14 Nm

AUGUST 1990:
05 03 36 22.29 36.310N 141.072E 27km
NEAR EAST COAST OF HONSHU, JAPAN
RADIATED ENERGY
No. of sta: 8 Focal mech. M
Energy 5.3+1.8*10**12 Nm

10 05 37 52.15 20.199S 168.328E 47km
LOYALTY ISLANDS
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 7.1+2.6*10**12 Nm

25 15 47 53.89 0.525N 126.084E 11km
MOLUCCA PASSAGE
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 5.1+1.5*10**13 Nm

SEPTEMBER 1990:
30 19 05 02.46 24.248N 125.215E 35km
SOUTHWESTERN RYUKYU ISLANDS
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 6.1+1.6*10**12 Nm

OCTOBER 1990:
02 15 06 44.61 24.036S 174.646W 9km
SOUTH OF TONGA ISLANDS
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 4.2+0.8*10**13 Nm

10 01 00 05.50 19.503S 66.61BW 266km
SOUTHERN BOLIVIA
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 2.4+0.8*10**14 Nm

OCTOBER 1990 (cont):
15 01 3544.56 2.211S 92.249E 32km
SOUTHWEST OF SUMATERA
RADIATED ENERGY
No. of sta: 10 Focal mech. F
Energy 2.6+0.8*10**15 Nm

16 06 13 13.74 49.043N 155.076E 83km
KURIL ISLANDS
RADIATED ENERGY
No. of sta: 10 Focal mech. F
Energy 2.8+0.7*10**12 Nm

25 04 53 59.98 35.121N 70.486E 114km
HINDU KUSH REGION
RADIATED ENERGY
No. of sta: 6 Focal mech. C
Energy 2.0+0.3*10**12 Nm

25 11 01 38.72 8.307N 126.462E 44km
MINDANAO, PHILIPPINE ISLANDS
RADIATED ENERGY
No. of sta: 9 Focal mech. C
Energy 1.0+0.3*10**13 Nm

NOVEMBER 1990:
06 18 45 52.23 28.251N 55.462E 11km
SOUTHERN IRAN
RADIATED ENERGY
No. of sta: 13 Focal mech. F
Energy 3.5+0.7*10**13 Nm

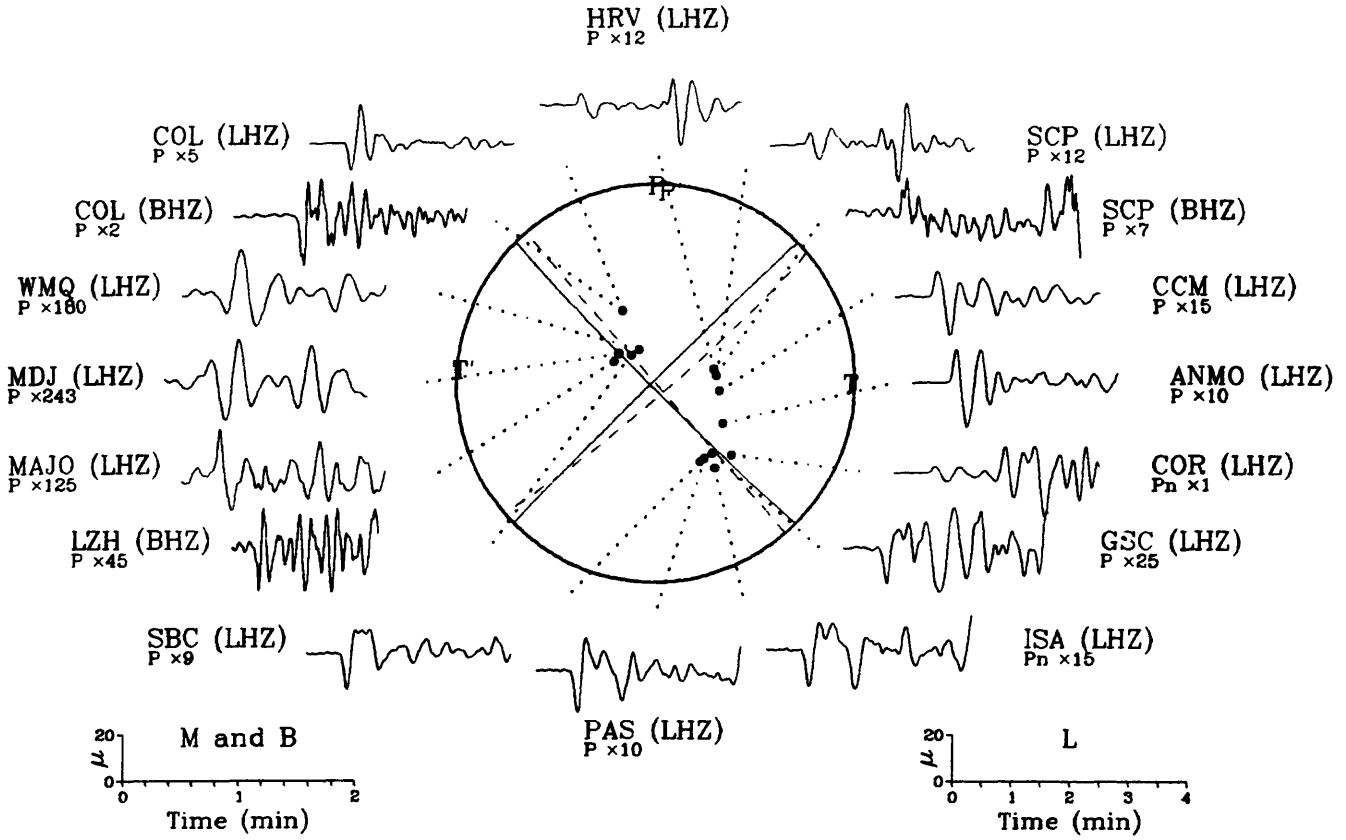
18 16 23 06.95 3.942N 97.343E 67km
NORTHERN SUMATERA
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 1.0+0.4*10**12 Nm

2. The origin time for the Mana Passage earthquake at 13:18:45.2 UTC on Dec. 23, 1991 should be 12:18:45.2 UTC.

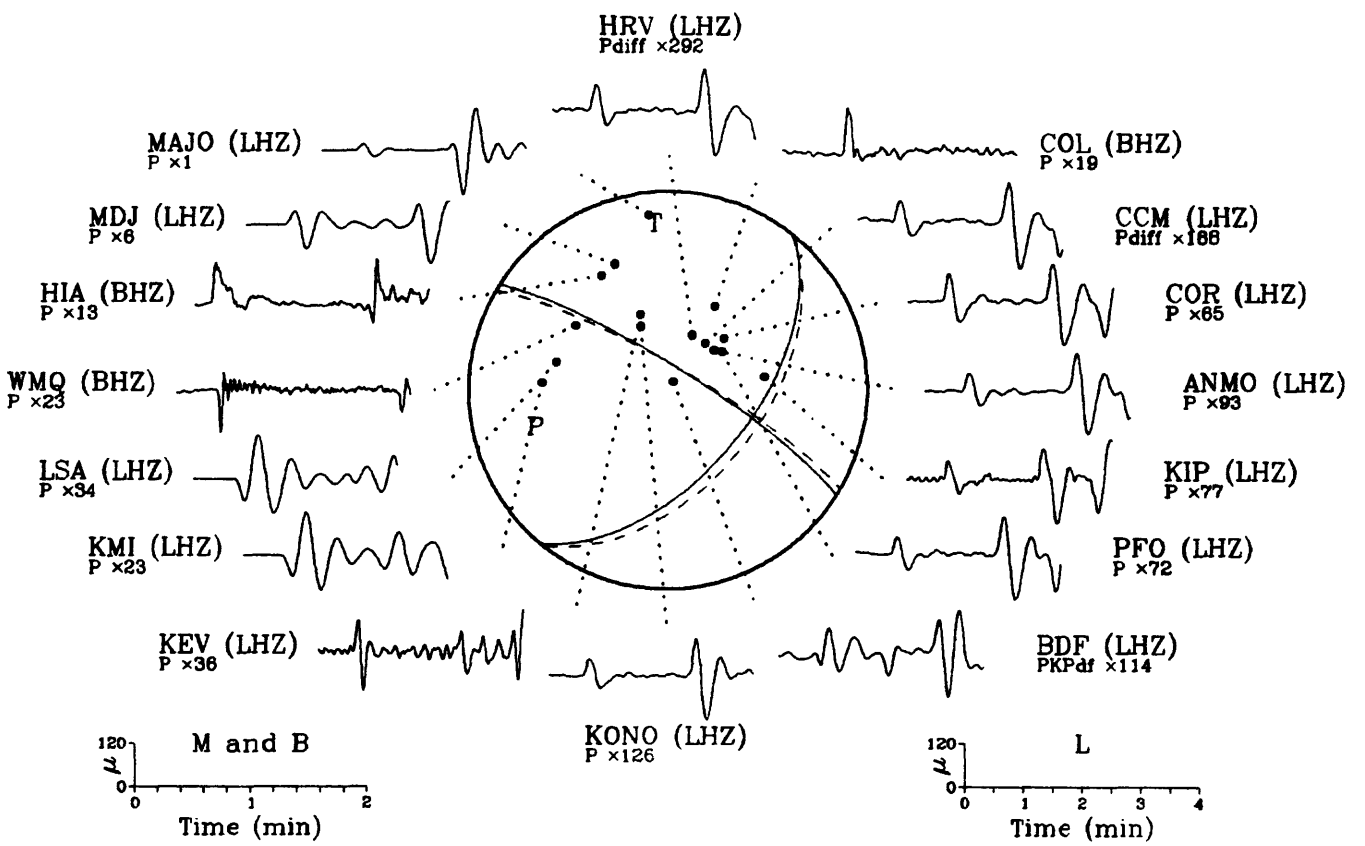
3. The comment for the fault plane solution for the Volcano Islands earthquake at 22:34:40 on Nov. 11, 1991 should be: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.

4. Delete the USGS moment tensor solution for the Irian Jaya earthquake at 18:39:09 UTC on Dec. 29, 1991.

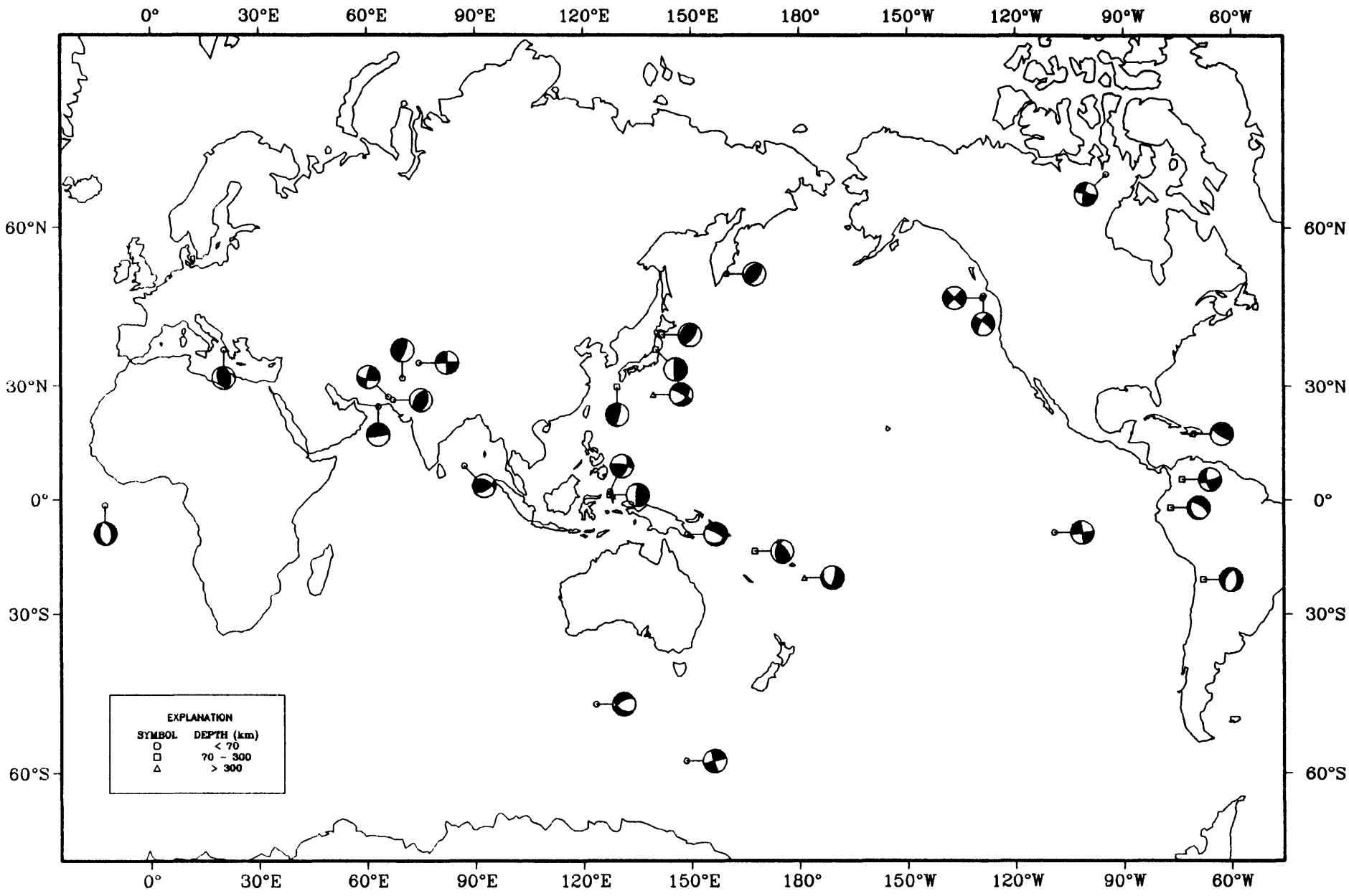
02 January 1992 16:40:40.60
Vancouver Island Region



20 January 1992 13:37:03.08
Bonin Islands Region



Earthquake Focal Mechanisms for January 1992



SIGNIFICANT EARTHQUAKES OF THE WORLD, 1991

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

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

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
JAN 01	00 06 31.4	18.068 N	105.847 W	35	5.5	6.2	1.2	145	OFF COAST OF JALISCO, MEXICO. Ms 6.6 (BRK). Mo=2.8*10**18 Nm (HRV). Mo=6.0*10**18 Nm (PPT).
JAN 05	14 57 11.5	23.613 N	95.901 E	20 D	6.2	7.1	1.3	400	BURMA. Ms 7.3 (BRK), 7.0 (PAS). Mo=2.4*10**19 Nm (GS). Mo=3.1*10**19 Nm (HRV). Mo=4.0*10**19 Nm (PPT). Thirty-two buildings and 380 hectares of farmland damaged in the Thabeikkyin area. Some landslides reported. Felt strongly at Mandalay. Felt in much of northwestern Burma from Hkamti to Sittwe. Also felt in the Silchar area, India and in Thailand from Chiang Mai to Bangkok.
JAN 31	23 03 33.6	35.993 N	70.423 E	142 G	6.4		1.2	530	HINDU KUSH REGION. mb 6.6 (BRK). Mo=1.4*10**19 Nm (GS). Mo=2.2*10**19 Nm (HRV). Mo=1.6*10**19 Nm (PPT). Estimated 200-400 people killed, many injured and many homes destroyed or damaged in Konar, Nangarhar and Badakhshan Provinces, Afghanistan. At least 300 people killed, hundreds injured and several thousand houses damaged in the Malakand-Chitral-Peshawar area, Pakistan. Three people died of heart attacks, severe damage (VII) and landslides occurred in the Kharag area, USSR. Felt (VI) at Ishkashim, Parkhar, Dushanbe, Garm, Dzhirgatal, Lyangar and Gissar; (V) at Shaartuz, Sherkent, Gezan, Leninabad, Tashkent and Namangan; (IV) at Chimkent; (III) at Dzhambul and Frunze, USSR. Felt throughout northeastern Afghanistan, northern Pakistan and northern India as far away as Delhi. Also felt throughout Tajikistan and eastern Uzbekistan, USSR.
FEB 09	16 18 58.3	9.929 S	159.139 E	10 G	6.4	6.9	1.1	334	SOLOMON ISLANDS. Ms 6.8 (BRK), 6.7 (PAS). Mo=2.8*10**19 Nm (HRV). Mo=2.0*10**19 Nm (PPT). Complex event. Minor damage at Honiara. Felt strongly on Guadalcanal. Felt in the Florida Islands, on Malaita and in western San Cristobal. A small tsunami was generated with maximum wave height 4 cm (peak-to-trough) at Honiara.
FEB 12	09 54 58.3	40.816 N	28.878 E	10 G	4.8	4.6	1.3	183	TURKEY. ML 5.0 (ATH). MD 4.7 (THE), 4.5 (ISK). A few people injured slightly and minor damage in the Istanbul area. Felt at Balikesir, Bursa and Kutahya.
FEB 13	15 49 38.9	44.885 N	6.760 E	5 G			0.9	107	FRANCE. ML 3.8 (LDG), 3.7 (GEN). MD 3.6 (STR). Nine people killed by an avalanche which was triggered by the earthquake.
FEB 18	02 37 25.1	8.870 N	126.480 E	24 G	6.0	6.6	1.3	319	MINDANAO, PHILIPPINE ISLANDS. Ms 6.6 (BRK), 6.1 (PAS). Mo=3.8*10**19 Nm (GS). Mo=1.6*10**19 Nm (GS). Mo=2.0*10**19 Nm (PPT). Felt (III RF) at Cagayan de Oro, Bislig and on Mactan and (I RF) at Cotabato.
FEB 21	02 35 34.0	58.427 N	175.450 W	20 G	6.2	6.5	1.0	472	BERING SEA. Ms 6.7 (BRK), 6.4 (PAS). Mo=7.2*10**18 Nm (GS). Mo=1.1*10**19 Nm (HRV). Mo=3.0*10**19 Nm (PPT). Two events about 3.7 seconds apart. Depth based on the first event. Believed to be the largest earthquake ever located in this area. Felt (IV) on St. Paul in the Pribilof Islands, Alaska. Felt (III) on Adak in the Andreanof Islands, Alaska. A small tsunami was generated with maximum wave heights (peak-to-trough) of 30 cm. at Dutch Harbor and 22 cm at Adak.
FEB 25	14 30 27.6	40.386 N	78.959 E	21 D	5.5	6.1	1.0	289	SOUTHERN XINJIANG, CHINA. Mo=1.3*10**18 Nm (HRV). Three people were injured and at least 120 houses collapsed and 8,441 houses damaged in the Kalpin area. Ground cracks and earthquake lights were reported in the epicentral area. Felt at Akqi, Aksu, Bachu and Wasi.
MAR 08	11 36 28.4	60.904 N	167.023 E	13 G	6.4	6.6	1.3	492	EASTERN SIBERIA. Ms 6.6 (BRK), 6.4 (PAS). Mo=7.9*10**18 Nm (GS). Mo=1.0*10**19 Nm (HRV). Mo=3.0*10**19 Nm (PPT). Believed to be the largest earthquake ever located in this area.
MAR 25	18 02 41.5	39.887 N	113.923 E	10 G	5.1	5.5	1.2	108	NORTHEASTERN CHINA. ML 5.5 (BJI). Mo=1.6*10**17 Nm (HRV). One hundred thirty-one people injured and 1,328 houses damaged in the Datong area.
APR 04	15 23 20.7	6.038 S	77.130 W	21 G	6.0	6.3	1.0	356	NORTHERN PERU. Ms 6.4 (BRK), 5.9 (PAS). Mo=5.5*10**18 Nm (GS). Mo=4.5*10**18 Nm (HRV). Mo=5.0*10**18 (PPT). At least 10 people injured and 15 houses damaged (V) in the Riaja-Nueva Cajamarca area. Felt (V) at Moyobamba and Tarapoto, (IV) at Chachapoyas and (III) at Chiclayo, Trujillo and Piura. Also felt (III) in El Oro Province and (II) at Guayaquil and Quito, Ecuador.

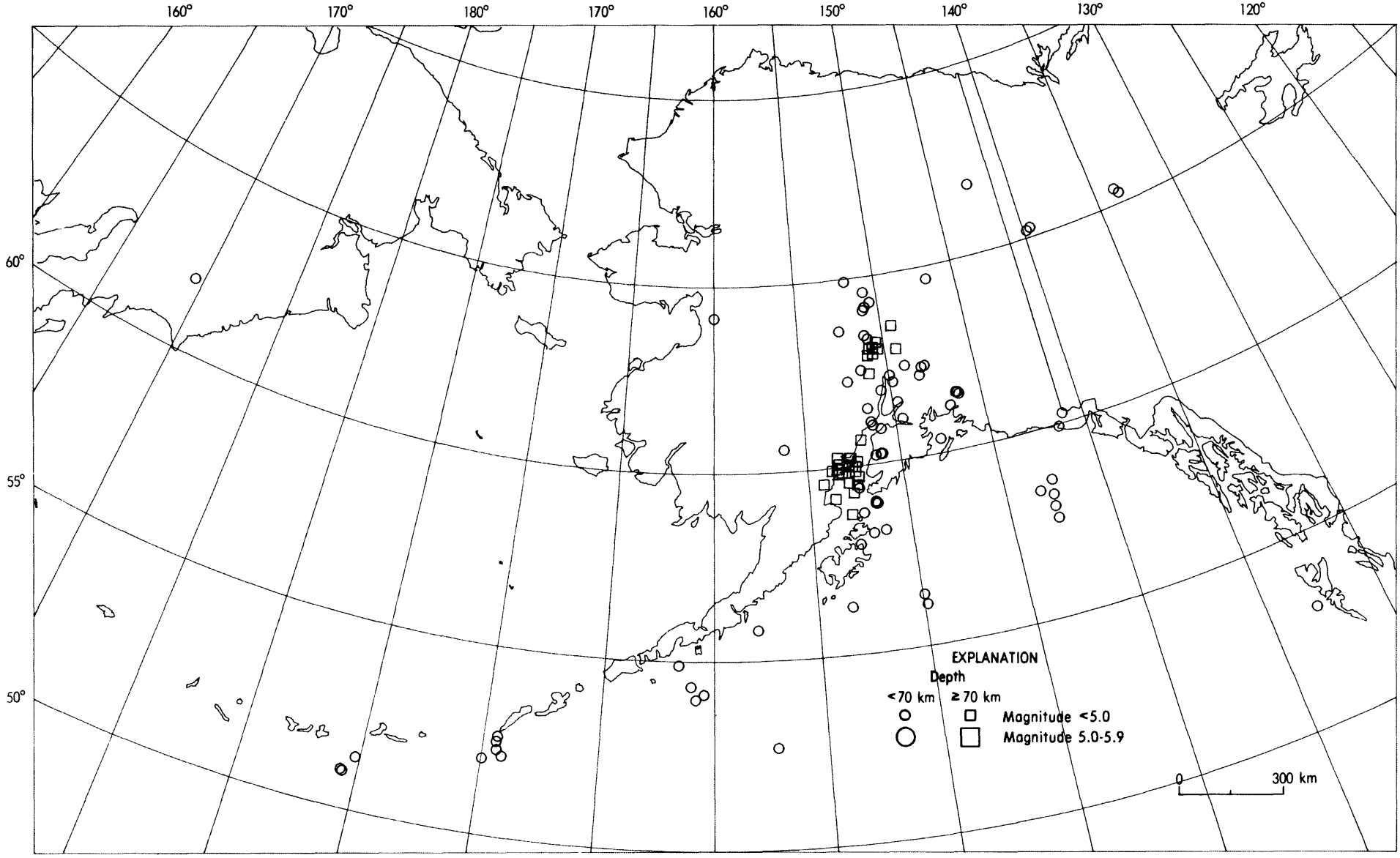
DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
APR 05	04 19 49.5	5.982 S	77.094 W	20 G	6.5	6.8	1.0	534	NORTHERN PERU. Ms 6.7 (BRK), 6.4 (PAS). Mo=2.8*10**19 Nm (GS). Mo=5.1*10**19 Nm (HRV). Mo=5.0*10**19 Nm (PPT). Two events about 6 seconds apart. Depth based on second event. Fifty-three people killed, 252 injured and extensive damage (VII) to 8,063 homes in the Rioja-Moyobambo-Nuevo Cajomarca area. Felt (VI) at Taropoto, (V) at Chiclayo, (IV) at Trujillo and (II) at Limo. Felt throughout northern Peru. Felt (IV) at Guayaquil and (III) at Quito, Ecuador. Felt strongly in much of southern Ecuador.
APR 06	14 34 20.7	15.008 S	175.521 W	16 D	5.8	6.7	1.1	233	TONGA ISLANDS. Ms 6.4 (BRK), 6.1 (PAS). Mo=1.1*10**19 Nm (GS). Mo=1.1*10**19 Nm (HRV). Mo=3.0*10**19 Nm (PPT).
APR 18	09 18 30.4	37.457 N	68.273 E	33 N	5.4	5.1	1.0	193	AFGHANISTAN-USSR BORDER REGION. Mo=2.0*10**17 Nm (HRV). Several people killed and many injured in Badakhshon Province, Afghanistan. One person killed, 6 injured and about 1,000 buildings damaged (VII) in the Kabodiyen district, USSR. Landslides occurred in the Bogi-Dzhud area. Felt (VI) at Shaartuz, (IV) at Kolkhozabad and Leninskiy and (III) at Dushanbe, USSR.
APR 22	21 56 51.8	9.685 N	83.073 W	10 G	6.3	7.6	1.2	432	COSTA RICA. Ms 7.4 (BRK), 6.9 (PAS). Mo=1.1*10**20 Nm (GS). Mo=3.3*10**20 Nm (HRV). Mo=4.0*10**20 Nm (PPT). Forty-seven people killed, 109 injured, 7,439 homeless and severe damage (IX) in the Limon-Pandora area. Intensity X was observed in some zones of liquefaction within the epicentral area. Some damage (VI) also occurred in the San Jose-Alajuela area and landslides blocked roads between Limon and central Costa Rica. Twenty-eight people killed, 454 injured, 2,400 homeless and 866 buildings destroyed (VII-VIII) in the Guabito-Almironte-Bocas del Toro area, Panama. Slight damage (VI) also occurred at David and Puerto Armuelles, Panama. Felt (IV) at Colon and (III) at Panama City. Felt (III) in eastern El Salvador and (II) at San Salvador. Also felt in Nicaragua and Honduras and on San Andres Island, Colombia. Maximum uplift of 1.4 meters was observed near Limon and sandblows and liquefaction caused subsidence of soils in the Bocas del Toro area. Ground cracks also occurred in the epicentral area. A 2-meter tsunami with maximum runup of 300 meters was observed in the Cahuita-Puerta Viejo area, Costa Rica. Tsunamis were also reported on Bastimentos, Carenero and Colon Islands and at Portobelo, Panama. The maximum amplitude of the tsunami in Panama was about 0.6 m. A 7-cm tsunami (peak-to-trough) was recorded on the tide guage at Cristobal, Panama. Damage in Costa Rica estimated to be about 43 million U.S. dollars.
APR 24	10 54 35.7	39.597 N	41.118 E	33 N	4.5		0.8	48	TURKEY. One person killed, 3 injured and some houses damaged in Erzurum Province.
APR 29	09 12 48.1	42.453 N	43.673 E	17 G	6.2	7.0	1.2	500	WESTERN CAUCASUS. Ms 7.3 (BRK), 6.9 (PAS). Mo=3.3*10**19 Nm (HRV). Mo=8.0*10**19 Nm (PPT). Two events about three seconds apart. Depth based on second event. At least 114 people killed, about 1,000 injured, 70 missing, 67,000 homeless and severe damage (VIII) and landslides in the Dzhava-Chiatura-Ambrolauri area, USSR with 95 percent of buildings destroyed in the area. Felt (VI) in the Kutaisi area; (V) at Leninakan and Tbilisi; (IV) at Kirovakan and Spitak. Felt throughout the western Caucasus and Trans-Caucasus from Sukhumi to Groznyy and Yerevon, USSR. Landslides created a natural dam on the Patas River. This was breached several days later, causing additional damage in the Dzhava-Tskhinvali area. Also felt in Ardahan, Artvin, Kars and Rize Provinces, Turkey.
MAY 03	20 19 38.8	42.683 N	43.247 E	10 G	5.3	5.2	1.2	272	WESTERN CAUCASUS. Mo=3.1*10**17 Nm (HRV). At least 3 people killed by landslides in Georgia, USSR.
MAY 04	03 42 54.5	9.542 N	82.418 W	10 G	5.6	6.2	1.3	256	PANAMA-COSTA RICA BORDER REGION. Ms 6.2 (BRK). Mo=2.1*10**18 Nm (HRV). Mo=3.0*10**18 Nm (PPT). Thirty-six people injured, 400 families homeless, ground cracks and liquefaction in the Changuinola-Almirante-Bocas del Toro area, Panama. Felt strongly at Limon, Costa Rica. Felt from the Central Valley of Costa Rica as far east as Santiago, Panama.
MAY 19	00 58 01.7	1.156 N	122.957 E	33 N	6.0	6.8	1.2	228	MINAHASSA PENINSULA. Ms 6.9 (BRK). Mo=3.2*10**19 Nm (GS). Mo=2.5*10**19 Nm (HRV). Mo=3.0*10**19 Nm (PPT). Felt (III) in the Manado area. Two events about 4.5 secands apart.
MAY 26	10 59 48.9	5.865 N	116.746 E	33 N	5.1	4.5	1.1	88	KALIMANTAN. One person died from shock and there was slight damage at Ranau, Malaysia. Felt at Melapap, Kota Kinabulu, Papar and along parts of the west coast of Sabah, Malaysia.
MAY 26	12 26 00.2	40.730 N	15.765 E	8	5.1	4.8	1.1	207	SOUTHERN ITALY. ML 5.2 (ZAG), 5.0 (TTG). A few people injured and minor damage in the Potenza area. Felt in the Avellino-Matera-Naples area. Also felt at Salerno and Bari.
MAY 27	18 40 27.9	9.482 N	82.694 W	10 G	5.0	5.0	1.1	53	PANAMA-COSTA RICA BORDER REGION. MD 5.1 (SJR). Mo=3.8*10**17 Nm (HRV). Several people injured slightly and damage (IV) at Changuinola, Panama. Felt (IV) on Bocas del Tara and Carenero Islands and (III) at Volcan and David, Panama. Also felt in Costa Rica.
MAY 30	13 17 41.9	54.567 N	161.606 W	28 G	6.3	6.7	1.1	584	ALASKA PENINSULA. Ms 6.8 (BRK). Mo=1.9*10**19 Nm (GS). Mo=3.1*10**19 Nm (HRV). Mo=1.8*10**19 Nm (PPT). Felt (V) at Cold Bay, King Cove and Sand Point; (IV) at False Pass and Perryville; (III) at Chignik Lagoon.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
JUN 10	17 35 49.4	23.771 N	45.368 W	10 G	6.1	6.5	0.8	557	NORTH ATLANTIC RIDGE. Ms 6.8 (BRK). Mo=5.3*10**18 Nm (GS). Mo=3.3*10**18 Nm (HRV). Mo=6.0*10**18 Nm (PPT).
JUN 15	00 59 20.3	42.461 N	44.009 E	9 G	6.1	6.1	1.2	458	WESTERN CAUCASUS. Ms 6.5 (BRK). Mo=1.5*10**18 Nm (GS). Mo=2.9*10**18 Nm (HRV). Mo=4.0*10**18 (PPT) Two events about 2 seconds apart. Depth based on second event. At least 8 people killed, 200 injured and extensive damage (VIII) in the Dzhovo-Tskhinvali area, USSR. Felt (VI) at Kutaisi, Sukhumi and Tbilisi and (V) in northwestern Azerbaijan. Landslides occurred at Khieti
JUN 15	01 13 21.4	58.285 S	24.183 W	52 D	5.8	6.5	1.2	190	SOUTH SANDWICH ISLANDS REGION. Ms 6.3 (BRK). Mo=2.7*10**18 Nm (GS). Mo=7.7*10**18 Nm (HRV). Mo=5.0*10**18 Nm (PPT).
JUN 15	11 15 28.0	15.119 N	120.355 E	10 G	5.7	5.5	1.0	213	LUZON, PHILIPPINE ISLANDS. Mo=2.8*10**17 Nm (HRV). Felt at Manila. This is the largest of a series of earthquakes associated with the eruption of Pinatubo Volcano. At least 137 people were killed and extensive damage was caused in Zambales Province by the eruptions.
JUN 20	05 18 52.5	1.196 N	122.787 E	31 G	6.2	7.0	1.2	367	MINAHASSA PENINSULA. Ms 7.2 (BRK). Mo=1.6*10**20 Nm (GS). Mo=2.3*10**20 Nm (HRV). At least 1,500 houses were damaged (VI) in the Gorontalo area. Felt (IV) in the Manado area and (II) at Poso.
JUN 21	06 27 39.9	13.399 N	89.618 W	77	5.3		1.1	249	EL SALVADOR. Mo=6.3*10**17 Nm (HRV). Mo=1.0*10**18 Nm (PPT). One person killed and three injured when a short circuit caused a fire in a home in the San Salvador area. Felt (IV) at San Salvador. Felt lightly in Guatemala City, Guatemala.
JUN 28	14 43 54.5&	34.262 N	118.002 W	11	5.8	5.1		297	SOUTHERN CALIFORNIA. <PAS-P>. ML 5.4 (PAS), 5.7 (BRK). Mo=3.5*10**17 Nm (HRV). Mo=3.0*10**17 Nm (PPT). One person killed at Arcadia and one person died from a heart attack at Glendale. At least 100 people were injured although most involved only minor cuts and bruises. Damage in the Arcadia, Monrovia, Pasadena, San Marino and Sierra Madre areas estimated at 33.5 million dollars. Maximum intensity VII at Arcadia, Monrovia, Pasadena and Sierra Madre. Some rockslides occurred on mountain roads. Felt strongly throughout much of southern California from Santa Barbara to San Diego and east as far as the Palm Springs-Indio area.
JUL 04	11 43 10.4	8.099 S	124.681 E	29	6.2	6.5	1.1	328	TIMOR. Mo=2.3*10**19 Nm (GS). Mo=1.5*10**19 Nm (HRV). Mo=2.0*10**19 Nm (PPT). Two events about 2.5 seconds apart. Twenty-three people killed, 181 injured, at least 5,400 left homeless and about 1,150 buildings destroyed at Kalabahi, Alor. Estimated 7.7 million U.S. dollars damage occurred in the epicentral area. Felt at Dili.
JUL 06	12 19 49.5	13.108 S	72.187 W	105 G	6.2		1.2	449	PERU. mb 6.5 (BRK). Mo=3.1*10*19 Nm (GS). Mo=1.8*10**19 Nm (HRV). Mo=1.3*10**19 Nm (PPT). Two events about 4 seconds apart. Some damage (VI) at Cuzco. Felt (V) at Abancay. Also felt at Lima and Ica. Felt (II) at La Paz, Bolivia.
JUL 12	10 42 21.2	45.364 N	21.057 E	11 D	5.3	5.7	1.3	298	ROMANIA. MD 5.3 (TTG), 5.3 (TRI). ML 5.2 (BRA), 5.0 (KRA). Mo=2.5*10**17 Nm (HRV). At least 2 people killed, 30 injured and some buildings damaged (VIII) in the Banloc-Deta-Timisoara area. Slight damage at Belgrade, Yugoslavia. Felt in Subotica-Nis area, Yugoslavia. Also felt at Sofia, Bulgaria and Szeged, Hungary.
JUL 13	02 50 14.6	42.182 N	125.641 W	11 G	6.2	6.9	1.0	535	OFF COAST OF OREGON. ML 6.7 (BRK). Mo=1.9*10**19 Nm (GS). Mo=2.1*10**19 Nm (HRV). Mo=3.0*10**19 Nm (PPT). Felt (V) at Coquille, Harbor and Reedsport, Oregon. Felt (IV) at Bandon, Coos Bay, Langlois, Ophir, Port Orford and Wedderburn, Oregon. Also felt (IV) at Crescent City and Klamath, California. Felt throughout much of western Oregon and northern California.
JUL 18	11 56 30.6	44.888 N	22.407 E	12 G	5.7	5.5	1.2	436	ROMANIA. Ms 5.6 (BRK). ML 5.5 (TTG). Mo=1.3*10**17 Nm (GS). Mo=2.9*10**17 Nm (HRV). At least 615 houses damaged (VIII) in the Orsova area. Landslides occurred in the epicentral area. Felt strongly in western Romania and (IV) in northwestern Bulgaria. Also felt in southeastern Hungary and in parts of Yugoslavia.
JUL 23	19 44 50.2	15.679 S	71.574 W	5 G	5.0	4.7	1.3	51	SOUTHERN PERU. Mo=9.1*10**16 Nm (HRV). At least 12 people killed, 30 injured and about 80 missing in the Moca-Chivay area. Felt (V) at Moca, Yanque, Ichupampa and Achoma. Felt (II) at Arequipa. Landslides occurred in the epicentral area.

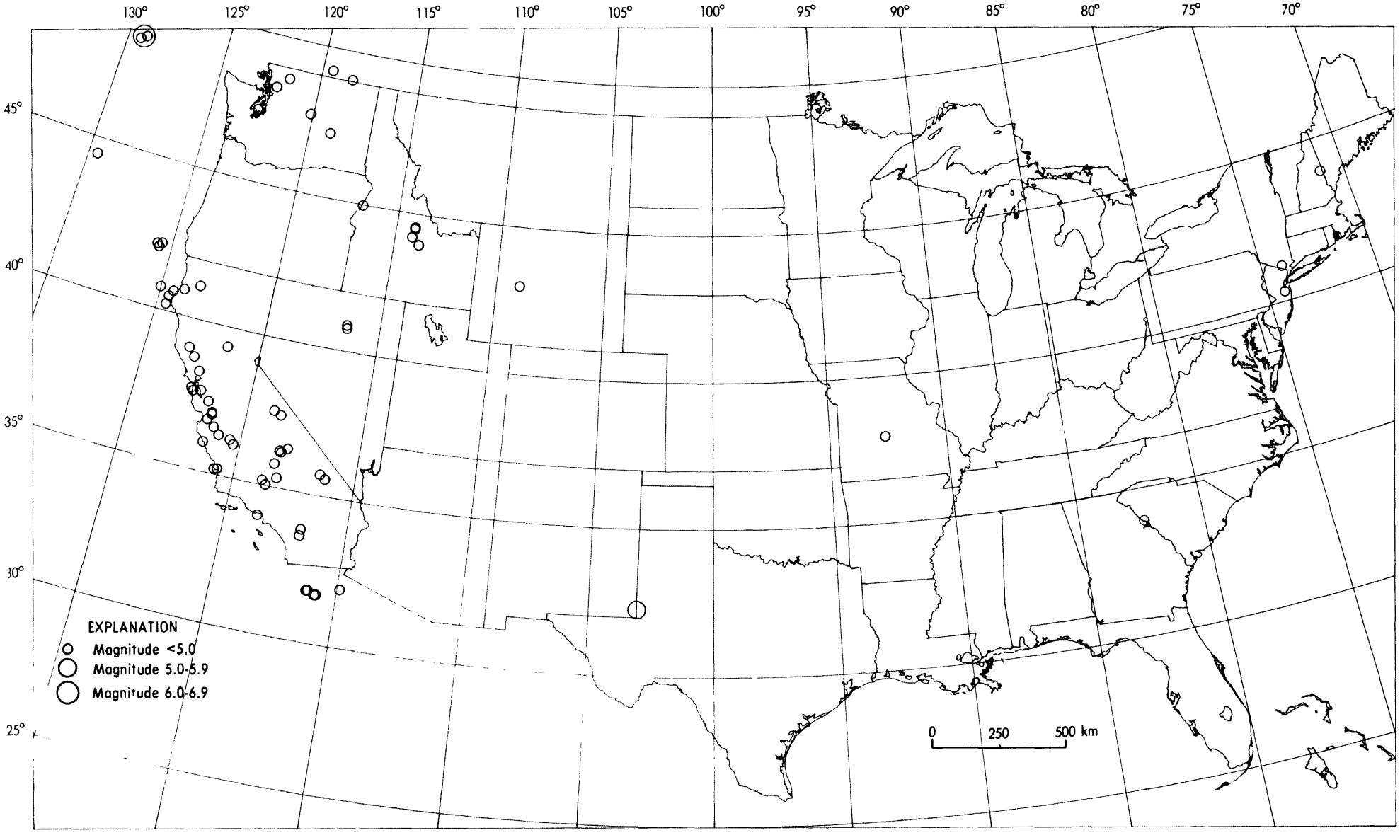
DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO STA USED	REGION. CONTRIBUTED MAGNITUDES AND COMMENTS
JUL 24	09 45 41.8	36.520 N	44.066 E	26 D	5 4	5.1	1.1	273	IRAN-IRAQ BORDER REGION. Mo=2.2*10**17 Nm (HRV) At least 20 peaple killed, many injured; at least 100 houses destroyed and many damaged in the Arbil-Dibs orea. Iraq. Felt at Mahabad and Piranshahr, Iran.
AUG 14	19 15 03.6	13.593 S	167.607 E	14 G	6.1	6.6	1.3	355	VANUATU ISLANDS. Mo=6.6*10**18 Nm (HRV). Mo=2.0*10**19 Nm (PPT).
AUG 17	19 29 40.0&	40.235 N	124.348 W	12	6.0	6.2		507	NEAR COAST OF NORTHERN CALIF <BRK>. ML 6.0 (BRK). Ma=3.3*10**18 Nm (GS) Mo=1.9*10**18 Nm (HRV). Ma=3.0*10**18 Nm (PPT). Damage (VII) at Honeydew and Whitethorn. Slight damage (VI) at Garberville, Myers Flat and Piercy. Also slight damage and landslides in the Petralia area. Felt (V) at Alderpaint, Carlotta, Cavela, Fields Landing, Finley, Fortuno, Fort Bragg, Leggett, Laleta, Manchester, Phillipsville, Redcrest, Redway, Rio Dell, Salyer, Weott, Westport, Willits and Zenia. Felt fram Grants Pass, Oregon south as far as Sacramento and San Francisco.
AUG 17	22 17 14.6	41.821 N	125.397 W	14 G	6.2	7.1	1.2	431	OFF COAST OF NORTHERN CALIFORNIA ML 6.8 (BRK). Ma=2.3*10**19 Nm (GS). Mo=4.4*10**19 Nm (HRV). Mo=6.0*10**19 Nm (PPT). Felt (V) at Klamath, Phillipsville, Ria Dell and Trinidad; (IV) at Bridgeville, Fortuna, Myers Flat and Whitethorn. Alsa felt (V) at Lakeside, North Bend and Pistol River, Oregan; (IV) at Caas Bay, Caquille, Murphy, Reedsport, Rogue River, Raseburg, Sixes and Scattburg, Oregan. Felt as far as Sacramenta, Califarnia and Eugene, Oregan.
SEP 18	09 48 13.1	14.646 N	90.986 W	5 G	5.7	6.1	1.3	271	GUATEMALA. Ms 6.2 (BRK). Mo=2.1*10**18 Nm (GS). Ma=2.2*10**18 Nm (HRV). Ma=3.0*10**18 Nm (PPT). At least 25 peaple killed, mare thanhameless and extensive damage in the Pachuta-Salala area. Landslides blacked many raads in the epicentral area. Felt (IV) at Guatemala City. Alsa felt (II) at San Salvadar, El Salvadar.
SEP 28	20 26 56.1	5.814 S	150.959 E	28 G	5.8	6.6	1.1	370	NEW BRITAIN REGION, P.N.G. Ms 7.1 (BRK). Ma=9.8*10**18 Nm (GS). Ma=8.2*10**18 Nm (HRV). Ma=1.3*10**19 Nm (PPT). Twa events abaut 2.3 seconds apart.
SEP 30	00 21 46.4	20.878 S	178.591 W	566 G	6.3		1.0	452	FIJI ISLANDS REGION. mb 6.5 (BRK). Ma=2.3*10**19 Nm (GS). Ma=3.1*10**19 Nm (HRV). Ma=3.0*10**19 Nm (PPT).
OCT 14	15 58 12.7	9.094 S	158.442 E	23 D	6.3	7.1	1.3	377	SOLOMON ISLANDS. Ms 7.0 (BRK). Ma=6.4*10**19 Nm (GS). Mo=7.8*10**19 Nm (HRV). Mo=8.0*10**19 Nm (PPT). Twa events abaut 10 seconds apart. Felt strangly throughaut the Salaman Islands.
OCT 19	21 23 14.3	30.780 N	78.774 E	10 D	6.5	7.0	1.2	525	NORTHERN INDIA. Ms 7.0 (BRK). Mo=1.8*10**19 Nm (GS). Ma=1.8*10**19 Nm (HRV). Ma=6.0*10**18 Nm (PPT). Two events about 1.6 secands apart. At least 2,000 people killed, mare than 1,800 injured and 18,000 buildings destrayed in the Chamali-Uttarkashi area. Same damage accurred at Chandigarh and New Delhi. Felt in northern India, western Nepal and nartheastern Pakistan. Landslides accurred in the epicentral area. A 30-meter deep crack was nated in the Uttarkashi area.
OCT 28	01 09 10.8	33.827 N	131.222 E	17 D	5.1	4.9	1.1	115	KYUSHU, JAPAN. Ma=7.5*10**16 Nm (HRV). One persan slightly injured in Yamaguchi Prefecture, Hanshu. Felt (IV JMA) at Fukuaka, Kyushu and (III JMA) in sauthwestern Hanshu. Alsa felt an Shikaku. Felt (III) at Iwakuni, Hanshu.
NOV 01	16 23 22.3	30.255 S	177.981 W	21 G	6.4	6.5	1.1	484	KERMADEC ISLANDS, NEW ZEALAND. Ms 6.7 (BRK). Mo=9.5*10**18 Nm (GS). Ma=9.4*10**18 Nm (HRV). Ma=1.0*10**19 Nm (PPT). Twa events abaut 5 secands apart. Felt an Raaul Island.
NOV 04	01 50 31.6	30.666 N	50.218 E	39	5.4	5.4	1.2	298	NORTHERN IRAN. Ma=3.1*10**17 Nm (HRV). Fifty-ane peaple injured and 290 hauses destrayed ar damaged in the Behbahan area.
NOV 10	15 19 14.2	30.585 N	50.268 E	44	5.0	4.4	1.1	195	NORTHERN IRAN. Fifteen people injured and damage in the Behbahan area. Alsa damage at Deh Dasht.
NOV 13	11 12 13.2	8.361 N	126.371 E	36 G	6.1	6.4	1.2	399	MINDANAO, PHILIPPINE ISLANDS. Ms 6.5 (BRK). Mo=1.6*10**19 Nm (GS). Ma=1.0*10**19 Nm (HRV). Mo=1.0*10**19 Nm (PPT). Same damage (VI RF) was reported in the Bislig-Butuan-Surigao area. Felt (IV RF) at Cagayan de Ora, (III RF) an Camiguin and (II RF) an Cebu.

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Ms	SD	NO. STA USED	REGION. CONTRIBUTED MAGNITUDES AND COMMENTS
NOV 19	22 28 51 0	4.554 N	77.442 W	21 D	6 4	7 0	1.2	447	NEAR WEST COAST OF COLOMBIA. MD 6.8 (UVC). Ms 6.4 (BRK). Mo=5 0*10**19 Nm (GS). Mo=7.3*10**19 Nm (HRV) Mo=5.0*10**19 Nm (PPT). Complex event. Two people killed and 28 houses damaged in Choco Department. Minor damage (VI) to buildings in the Buenaventuro and Cali areas. Felt strongly in many parts of western Colombia. Felt (II) at Quito and Guayaquil, Ecuador.
NOV 22	00 40 23.9	13.887 N	44.068 E	10 G	4.7		1.1	40	WESTERN ARABIAN PENINSULA. Ten people killed, 39 injured, 17 houses destroyed and 87 damaged in western Yemen.
NOV 28	17 19 55.5	36.924 N	49.603 E	16 D	5.6	5.0	1.0	349	WESTERN IRAN Mo=3.2*10**17 Nm (HRV). At least one person killed, 70 injured and damage in the Rudbar area. Landslides occurred on the road between Rudbar and Rasht. Felt in other ports of northern Iran and at Tehran
DEC 02	08 49 40.2	45.498 N	21.115 E	9	5.2	5 6	1.1	281	ROMANIA. ML 5.5 (LJU), 5.1 (WAR), 4.9 (TIR). MD 5.5 (VIE), 5.4 (TTG). Mo=1.9*10**17 Nm (HRV). Ma=2.0*10**17 Nm (PPT). Some people injured, about 4,500 people homeless and more than 5,000 buildings damaged (VIII) in the Voiteg area. Slight damage in the Belgrade area, Yugoslavia. Felt along much of the Romania-Yugoslavia border. Also felt in southern Hungary
DEC 11	20 39 39.2	23.368 S	171.044 E	37 D	5.8	6.5	1.4	418	LOYALTY ISLANDS REGION. MS 6.3 (BRK). Mo=6.4*10**18 Nm (HRV). Mo=4.0*10**18 Nm (PPT).
DEC 13	02 33 51.8	45.578 N	151.560 E	30 G	6.1	6.6	1.1	509	KURIL ISLANDS. Ms 6.2 (BRK). Ma=8.1*10**18 Nm (HRV). Mo=1.3*10**19 Nm (PPT).
DEC 19	01 33 40.4	45.253 N	151.176 E	27 G	6.0	6.6	1.0	529	KURIL ISLANDS. Ms 6.4 (BRK). Felt (III) at Kurilsk. Ma=1.5*10**19 Nm (HRV). Mo=1.0*10**19 Nm (PPT). Two events about 1.6 seconds apart.
DEC 22	08 43 13.4	45.533 N	151 021 E	25 D	6.3	7.4	0.9	552	KURIL ISLANDS. Ms 7.3 (BRK). Mo=2.2*10**20 Nm (GS). Mo=2.8*10**20 Nm (HRV). Mo=2.5*10**20 Nm (PPT). Complex event. Felt.
DEC 27	04 05 58.2	56 032 S	25.266 W	10 G	6.2	7.2	1.4	341	SOUTH SANDWICH ISLANDS REGION. Ms 7.1 (BRK). Ma=5.9*10**19 Nm (GS). Mo=6.0*10**19 Nm (HRV). Mo=1.3*10**20 Nm (PPT). Complex event.
DEC 28	00 52 10.1	56.102 S	24.614 W	10 G	6.1	6.7	1.1	285	SOUTH SANDWICH ISLANDS REGION. Ms 6.5 (BRK). Mo=7.1*10**18 Nm (GS). Mo=9.9*10**18 Nm (HRV). Mo=2.0*10**19 Nm (PPT).

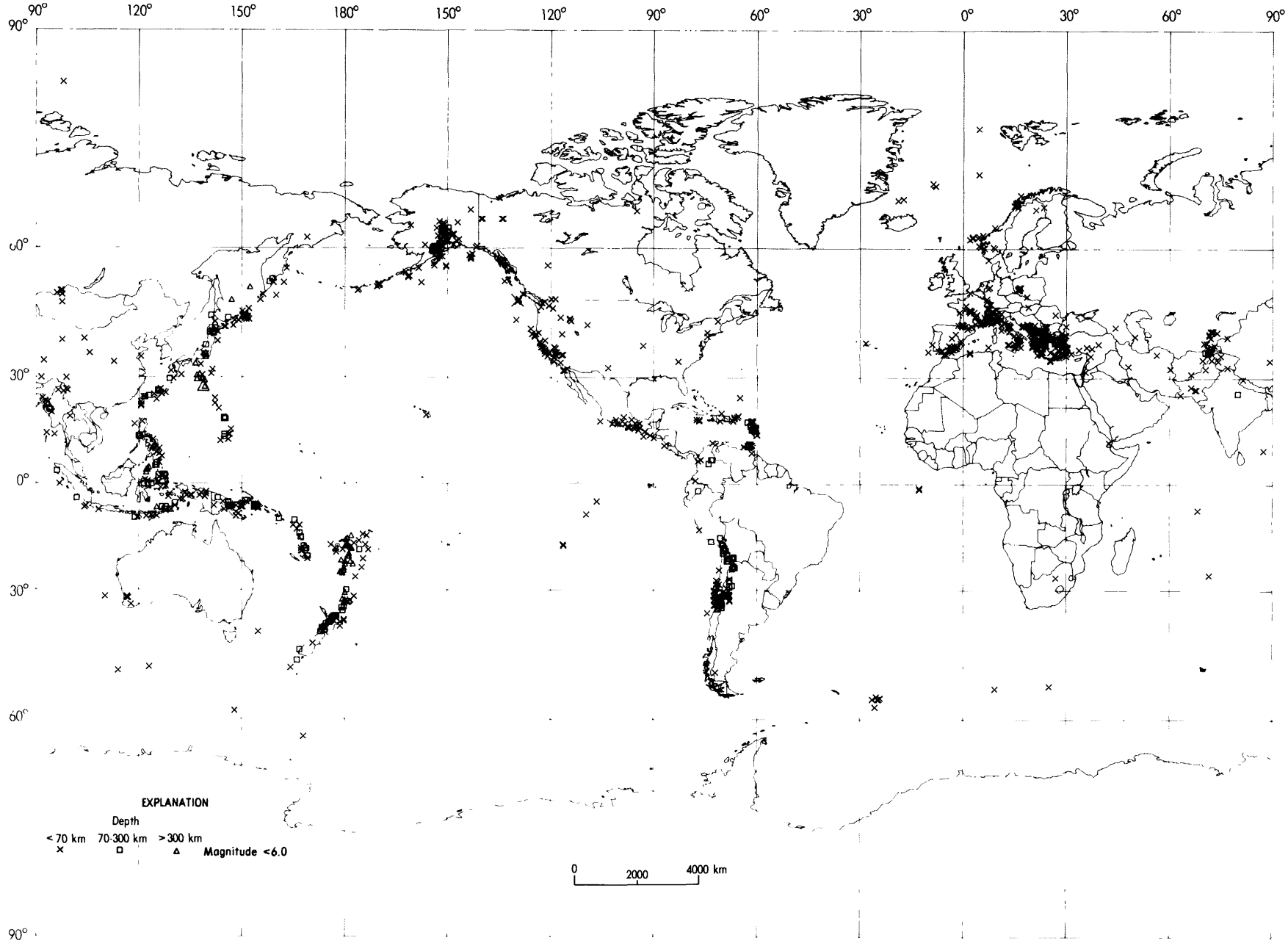
Compiled by Waverly J. Persan



Earthquake epicenters in Alaska and adjacent regions for January, 1992 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for January, 1992 (C. Stover).



Earthquakes located in January, 1992 (C. Stover).

EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

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

Symbols and Abbreviations Used in Comments

AEIC Alaska Earthquake Information Center (U.S. Geological Survey and University of Alaska), College.
APT University of Connecticut.
BGS British Geological Survey, Edinburgh, United Kingdom.
BLA Virginia Polytechnic Institute and State University, Blacksburg.
BOU University of Colorado, Boulder.
BRK University of California, Berkeley.
BUT Montana Bureau of Mines and Geology, Butte.
CL Coda length magnitude.
CLE John Carroll University, Cleveland, Ohio.
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 Sismologica 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.
QDM Queensland Department of Mines, Brisbane, Australia.
REN University of Nevada, Reno.
RF Rossi-Forel Intensity Scale.
SEA University of Washington, Seattle.
SLC University of Utah, Salt Lake City.
SLM St Louis University, Missouri.
SPEC An NEIS solution based on use of dense local networks, a local crustal model, or other methods not routinely applied in calculating the hypocenter parameters.
TEIC Center for Earthquake Research and Information, Memphis, Tennessee.
TUL Oklahoma Geological Survey, Leonard.
UVC Universidad del Valle, Cali, Colombia.
WES Weston Observatory, Massachusetts.

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

° ' " Geographic degrees, minutes, seconds.

-P Supplied hypocenter is a preliminary computation.

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

Symbols Following Depth

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

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

G Indicates the depth was restrained by a geophysicist.

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

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

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

Symbols Following Origin Time

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

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

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

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

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

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

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

TRAVEL-TIME TABLES

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

MACROSEISMIC INFORMATION

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

GEOGRAPHIC REGIONS

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

DEPTHS FROM BROADBAND DISPLACEMENT SEISMOGRAMS

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

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

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

FAULT PLANE SOLUTIONS

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

NEIS MAGNITUDES

All magnitudes are NEIS magnitudes unless otherwise indicated. Beginning with August, 1983, average magnitudes are computed by a 25% trimmed mean as described by Rosenberger, J. L and 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.

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

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

where

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

T is the period in seconds.

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

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

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

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

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

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

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

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

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

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

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

ML These local magnitudes are computed according to the formula:

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

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

CONTRIBUTED MAGNITUDES

Magnitudes appearing in the comments which have been contributed by organizations operating a network of stations may have been calculated from ony 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

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

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

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

FOCAL MECHANISM MAPS

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

WAVEFORM PLOTS

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

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

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

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USGS RADIATED ENERGY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1. DATA USED: currently GDSN, GSN and IDA/IRIS data are used The numbers following the entries L.P.B. and M.W. indicate the number of stations (S) and total number of records (C) for the long-period body waves and mantle waves, respectively. Mantle waves are routinely used in inversion for sources with moments greater than 5*10**18 Newton-meters (Nm).

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

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

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

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

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

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

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

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

OTHER SEISMIC MOMENTS

1. The seismic moment (Mo) contributed by the University of California, Berkeley (BRK), is given for regional earthquakes based on Wood-Anderson torsion seismograms recorded within 300 km of the epicenter with peak-to-peak amplitudes of at least 3 mm. This seismic moment (Mo) in dyne-cm is defined by Log Mo = 16.74 + 1.22Log(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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National Earthquake Information Center

FEBRUARY 1992

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz		SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	05	46.9	40.592	N	23.491	E	10	G				0.5	9	GREECE. MD 2.4 (THE).
	01	02	12	44.2*	31.134	S	71.456	W	10	G				1.3	10	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	01	03	38	19.0*	45.863	N	150.541	E	101	*	4.6			0.9	59	KURIL ISLANDS
	01	04	21	13.6*	45.088	S	167.246	E	164	*				0.2	16	SOUTH ISLAND, NEW ZEALAND
	01	04	27	18.6	34.672	N	23.975	E	46	*	3.9			1.3	33	CRETE
	01	04	45	55.0?	20.77	S	169.28	E	33	N	4.2	4.6		1.1	21	VANUATU ISLANDS
	01	04	52	24.4	23.488	N	90.900	E	33	N				0.6	9	BANGLADESH
	01	05	00	12.6*	52.985	N	166.871	W	71	*	4.1			1.2	17	FOX ISLANDS, ALEUTIAN ISLANDS
	01	05	25	02 9*	12 559	N	88.885	W	33	N	4 5	3.5		1.0	31	OFF COAST OF CENTRAL AMERICA
	01	08	23	57.2&	59.217	N	153.688	W	106		3.2				72	SOUTHERN ALASKA. <AEIC>.
	01	08	55	47.5*	38.080	N	20.277	E	33	N	3.6			1.3	19	GREECE. MD 3.5 (ATH), 3.4 (THE).
	01	09	05	16.9	38.291	N	20.311	E	5	G	4.3			1.5	74	GREECE. ML 4.0 (ATH).
	01	09	18	17.4%	17.963	N	76.824	W	10	G				1.0	6	JAMAICA REGION. MD 2.4 (HOJ).
	01	09	26	17.5	36.398	N	70.645	E	196	*	4.7			0.8	34	HINDU KUSH REGION, AFGHANISTAN
	01	09	55	04.4	61.318	N	140.815	W	5	G				0.9	27	SOUTHERN YUKON TERRITORY, CANADA. ML 2.9 (AEIC).
	01	10	51	19.8%	40.369	N	30.296	E	5	G				1.4	8	TURKEY
	01	11	46	07.2?	67.30	N	30.12	E	10	G				0.7	6	BALTICS-BYELARUS-NW RUSSIA REG. MD 3.0 (BER).
	01	14	09	02.5	38.018	N	20.325	E	9		3.5			1.2	23	GREECE. ML 3.6 (ATH). MD 3.5 (THE).
	01	14	23	56.3?	34.72	S	70.48	W	113	*				0.9	17	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
	01	15	01	15.1?	6.16	S	146.93	E	122	?	4.4			1.3	6	EASTERN NEW GUINEA REG., P.N.G.
	01	17	22	44.9	15.799	S	71.719	W	10	G	5.0	4.1		1.0	45	SOUTHERN PERU. Felt (II) at Arequipa.
	01	17	40	54.8*	15.131	S	174.035	W	33	N	4.6	4.6		1.1	32	TONGA ISLANDS
	01	17	51	50.4	6.344	S	130.046	E	118	*	4.8			0.7	27	BANDA SEA
	01	18	38	00.2?	15.67	N	99.79	W	33	N	3.4			0.5	6	OFF COAST OF GUERRERO, MEXICO
	01	18	52	30.7*	17.967	S	178.444	W	603	*	4.4			0.9	24	FIJI ISLANDS REGION
o	01	19	04	04.5	35.106	N	139.644	E	100	D	5.6			0.9	436	NEAR S. COAST OF HONSHU, JAPAN. mb 5.7 (BRK). Mo=1 3*10**18 Nm (PPT). 37 people injured and damage (V JMA) in the Tokyo area. Felt (IV JMA) at Chiba, Kanagawa and Oshima; (III JMA) at Kofu, Mito, Utsunomiya and Yokohama; (II JMA) at Maebashi. Felt as far north as Fukushima.
	01	20	03	30.3&	61.436	N	146.658	W	14						72	SOUTHERN ALASKA. <AEIC>. ML 2 7 (AEIC), 3.3 (PMR).
	01	20	07	32.0?	26.87	N	96.60	E	33	N				0.6	8	MYANMAR
	01	20	36	48.2*	50.378	N	5.932	E	10	G				1.5	6	BELGIUM ML 2 5 (LDG). MD 1.9 (UCC).
	01	20	52	04.5*	5.575	S	147.559	E	201		4.9			1.1	12	EASTERN NEW GUINEA REG., P.N.G.
	01	21	15	46.8*	33 087	S	69.970	W	33	N				1.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	01	21	24	24.6?	36.55	N	70.45	E	33	N				0.6	7	HINDU KUSH REGION, AFGHANISTAN
	01	22	03	01.3*	8.740	S	123.961	E	33	N	4.7			1.2	10	FLORES REGION, INDONESIA
	01	22	40	27.5&	59.517	N	152.994	W	85						74	SOUTHERN ALASKA. <AEIC>.
	01	22	49	59.0*	20.445	S	177.838	W	529	*	4.7			1.2	26	FIJI ISLANDS REGION
	01	23	29	04.8	5.144	N	94 446	E	61	D	4.7			1.1	46	NORTHERN SUMATERA, INDONESIA
	01	23	31	19.7	43.600	N	12.403	E	10	G				0.4	9	CENTRAL ITALY
	01	23	33	09.1	43.589	N	12 442	E	10	G				0.8	8	CENTRAL ITALY
	01	23	48	09.5	30.455	N	138.271	E	437	*	4.8			1.0	74	SOUTH OF HONSHU, JAPAN
	02	00	18	09.3?	38.74	N	20.65	E	27					1.1	10	GREECE
o	02	00	22	05.9	51.654	S	139 406	E	10	G	5.7	5.9		1.2	129	SOUTH OF AUSTRALIA. Mo=5.0*10**18 Nm (PPT).
o	02	00	31	30.9	51.547	S	139.704	E	10	G	5.6	6.3		1.3	184	SOUTH OF AUSTRALIA. Mo=1.3*10**19 Nm (PPT).
	02	01	06	32.5	47.189	N	6.816	E	10	G				0.6	12	FRANCE. ML 2.4 (LDG), 2.0 (STR).
	02	02	08	13.7%	11.307	N	61.569	W	5	G				1.1	6	WINDWARD ISLANDS. MD 2.8 (TRN).
	02	02	25	14.5*	20.120	S	177.684	W	498	*	4.1			1.2	30	FIJI ISLANDS REGION
	02	02	32	01.9	5.346	S	146.947	E	200		5.1			0.9	31	EASTERN NEW GUINEA REG., P.N.G.
	02	03	00	09.0*	51.424	S	138.217	E	10	G	4.5			1.1	29	SOUTH OF AUSTRALIA
	02	03	33	36.5	6.665	N	72.875	W	174	*	3.8			1.0	16	NORTHERN COLOMBIA
	02	04	49	28.9	44.960	N	141.551	E	225	*	4.5			0.8	85	HOKKAIDO, JAPAN REGION
	02	05	53	05.9*	0.010	N	124.437	E	86	?	4.4			0.6	10	MINAHASSA PENINSULA, SULAWESI
	02	06	09	51.5?	15.50	N	60.06	W	33	N				0.3	7	LEEWARD ISLANDS ML 3.0 (FDF).
	02	06	48	34.7*	18.981	N	67.281	W	33	N	3.0			0.3	9	MONA PASSAGE
	02	07	43	14.9&	38.803	N	122.803	W	4						20	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).

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	02	07	50	14	8&	38	817	N	122.802	W	2			27	NORTHERN CALIFORNIA <BRK>. ML 3.3 (BRK). Felt (IV) at Cobb.
	02	07	54	36.0*		45.425	N		151.705	E	33	N	3.8	1.0	10	KURIL ISLANDS
	02	08	03	42.0&		63.141	N		150.768	W	133		3.2		74	CENTRAL ALASKA <AEIC>.
	02	08	06	31	3*	45.395	N		151.509	E	33	N	3.9	1.3	13	KURIL ISLANDS
	02	08	08	27.3&		61.673	N		149.769	W	34				60	SOUTHERN ALASKA <AEIC>. ML 2.7 (AEIC).
	02	08	14	09.0?		41.27	N		20.34	E	10	G		1.6	16	ALBANIA. ML 3.5 (ROM).
	02	08	50	42.3*		35.506	S		78.526	E	10	G	4.4	0.3	9	MID-INDIAN RIDGE
	02	10	42	51.7&		60.463	N		150.258	W	39				56	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	02	11	02	29.2		17.473	N		61.900	W	33	N		0.3	12	LEEWARD ISLANDS ML 3.3 (FDF) MD 3.2 (TRN).
	02	11	03	23.5&		60.145	N		152.023	W	84		4.0		96	SOUTHERN ALASKA. <AEIC>
	02	11	11	26.3&		66.277	N		151.763	W	12				9	NORTHERN ALASKA <AEIC>. ML 2.6 (AEIC).
	02	11	39	41.7		37.053	N		29.459	E	10	G		0.8	6	TURKEY
	02	11	46	08.8?		25.41	S		176.05	W	206	?	4.2	0.9	10	SOUTH OF FIJI ISLANDS
	02	13	58	12.7%		15.921	N		97.991	W	33	N		0.9	7	NEAR COAST OF OAXACA, MEXICO
	02	14	56	20.0&		36.362	N		120.387	W	3				12	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK), 2.7 (PAS).
	02	15	25	24.8		49.016	N		128.737	W	10	G	4.5 4.4	1.0	89	VANCOUVER ISLAND REGION
	02	16	33	35.5*		31.595	S		67.386	W	121	?		0.8	12	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
	02	17	15	00.6*		18.059	S		174.285	W	33	N	4.5	0.8	18	TONGA ISLANDS
a	02	17	43	35.6		45.445	N		150.794	E	36	D	5.6 5.6	0.9	270	KURIL ISLANDS. Mo=1.3*10**18 Nm (PPT).
	02	18	35	53.5&		59.801	N		153.050	W	98		2.4		43	SOUTHERN ALASKA. <AEIC>.
	02	19	14	07.7%		42.539	N		19.848	E	10	G		0.2	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	02	19	37	16.5		4.158	S		102.157	E	63	D	5.2	1.2	50	SOUTHERN SUMATERA, INDONESIA
	02	19	40	22.1		14.521	N		145.828	E	115		5.3	1.1	111	MARIANA ISLANDS. Felt (III) on northern Guam. Also felt on Saipan.
	02	20	24	46.3		32.468	S		68.977	W	26			0.9	14	MENDOZA PROVINCE, ARGENTINA. MD 4.4 (SAN).
	02	21	26	54.2*		17.823	S		115.987	W	10	G	4.9	0.9	44	SOUTHERN EAST PACIFIC RISE. Mo=6.3*10**17 Nm (PPT).
	02	22	47	26.0*		35.082	N		139.993	E	100	*	4 9	1.0	20	NEAR S COAST OF HONSHU, JAPAN. Felt (II JMA) at Tokyo. Also felt at Chiba.
	02	22	59	30.0?		37.60	S		178.32	E	118	?		1.2	14	OFF E. COAST OF N. ISLAND, N.Z.
	03	00	07	22.6*		42.103	N		125.552	W	10	G	3.0	0.6	15	OFF COAST OF OREGON
	03	00	17	57.2*		38.421	N		20.704	E	10	G		1.4	15	GREECE. ML 3.7 (ATH).
	03	00	57	56.7		42.130	N		125.673	W	10	G	4.1	0.6	69	OFF COAST OF OREGON
	03	01	02	12.7		42	149	N	125.729	W	10	G	4 2	0.5	53	OFF COAST OF OREGON
	03	01	27	02.5		19.054	S		169.453	E	273		4.8	1.1	53	VANUATU ISLANDS
	03	01	38	00.1		9.287	N		121.979	E	33	N	4.5	0.8	13	SULU SEA
	03	01	43	14.8*		44 049	N		147.130	E	93	*	4.5	0.5	36	KURIL ISLANDS
	03	01	47	08	7*	42.257	N		125.803	W	10	G	3.7	0.8	19	OFF COAST OF OREGON
	03	02	00	13.6		42.152	N		125.613	W	10	G	4.2	0.7	51	OFF COAST OF OREGON. ML 3.9 (BRK).
	03	02	09	58.5		45.878	N		10.871	E	10	G		1.4	20	NORTHERN ITALY. ML 2.4 (VIE).
	03	02	25	32	7*	42 232	N		125.255	W	10	G	3.2	0.9	16	OFF COAST OF OREGON
	03	02	25	40.8		3.938	N		126.397	E	75	?	5.1	1.0	44	TALAUD ISLANDS, INDONESIA
	03	02	39	26.1?		19.24	N		146.97	E	33	N	4.4	0.1	6	MARIANA ISLANDS REGION
	03	03	15	54.3*		37.295	N		82.024	E	33	N	4.1	0.8	8	SOUTHERN XINJIANG, CHINA
	03	05	44	48.8		21.195	S		176.284	W	219		4.9	1.2	44	FIJI ISLANDS REGION
	03	05	54	52.7%		44.547	N		7.308	E	10	G		0.3	5	NORTHERN ITALY. ML 1.6 (GEN).
	03	06	21	54.2%		19.652	N		103.849	W	10	G		1.1	5	JALISCO, MEXICO
	03	07	09	10.1?		44.50	N		7.23	E	10	G		0.2	4	NORTHERN ITALY. ML 1.6 (GEN).
a	03	07	13	44.6		6.187	S		131.466	E	95	D	5.2	0.9	64	TANIMBAR ISLANDS REG., INDONESIA
	03	07	32	03.2		28.148	N		139.913	E	377	*	4.3	0.6	18	BONIN ISLANDS REGION
	03	08	16	07.0		43.499	N		0.648	W	10	G		0.8	34	PYRENEES. ML 3.6 (LDG), 2.9 (STR). Felt (IV) in the Lacq oilfield area.
	03	08	25	34.3%		40.387	S		174.759	E	104	*		0.6	19	COOK STRAIT, NEW ZEALAND
	03	08	50	46.6%		45.065	N		26.614	E	33	N		0.8	5	ROMANIA
	03	09	53	46.1%		40.389	N		23.270	E	10	G		0.5	6	GREECE
	03	10	34	48.0?		31.13	S		68.24	W	111	?		1.4	6	SAN JUAN PROVINCE, ARGENTINA
	03	12	07	30.4		18.791	S		169.208	E	229		5.1	0.9	46	VANUATU ISLANDS
	03	12	55	55.0%		45.146	N		27.066	E	10	G		0.6	5	ROMANIA
	03	13	55	42	0*	31.003	S		68.856	W	119	?		0.4	7	SAN JUAN PROVINCE, ARGENTINA
	03	14	26	23.8&		41.084	N		121.818	W	15				6	NORTHERN CALIFORNIA. <GM-P> MD 3.1 (GM).
	03	15	43	05	3	39.198	N		29.478	E	10	G		1.1	16	TURKEY
	03	15	44	22	6	34.496	N		93.147	E	10	G	4.7	0.8	31	QINGHAI, CHINA
	03	17	20	23.9%		44 606	S		167.855	E	103	*		0.6	18	SOUTH ISLAND, NEW ZEALAND
	03	17	45	46.5?		43.01	N		146.60	E	112	?	4.0	0.1	5	KURIL ISLANDS
	03	19	12	08.4*		15.800	S		71.681	W	10	G	4.4	1.3	14	SOUTHERN PERU
	03	19	47	01.9?		6.90	S		129.65	E	134	?	4.5	1.2	6	BANDA SEA
	03	20	36	01.9%		41.722	S		173.738	E	75	*		0.9	23	SOUTH ISLAND, NEW ZEALAND
	03	20	36	26.6		36.618	N		16.031	E	33	N		1.2	47	CENTRAL MEDITERRANEAN SEA. ML 4.5 (TTG).
	03	21	32	24.8?		28.85	S		72.56	W	10	G		0.8	8	OFF COAST OF CENTRAL CHILE
	03	21	43	16.8*		34.765	N		140.918	E	58	?	4 3	1.1	16	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) in parts of the Bosa Peninsula.
	03	23	07	21.6?		46.38	N		7.22	E	10	G		0.8	5	SWITZERLAND. ML 2.0 (LDG).
	04	00	55	51.0%		40.393	N		23.786	E	10	G		0.6	5	GREECE. MD 2.2 (THE).
	04	01	00	14.5%		40.138	N		28.065	E	10	G		1.0	7	TURKEY
	04	01	05	09.7		43.320	N		8.196	E	10	G		0.9	20	CORSICA. ML 2.6 (LDG).
a	04	01	58	39.7*		7.138	S		109.067	E	58	*	5.0 4.4	1.1	24	JAWA, INDONESIA. One person injured, 800 houses destroyed, 700 damaged and 1,500 families left homeless in the Brebes area.
	04	02	41	11.0?		33.03	S		71.90	W	33	N		0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	04	03	38	39.3?		5.47	S		110.71	E	33	N	4.0	1.2	6	JAVA SEA
	04	04	22	42.4		43.401	N		17.704	E	10	G		1.1	18	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG).
	04	05	15	01.7		3.321	S		149.018	E	10	G	4.6 4.8	0.8	19	BISMARCK SEA
	04	05	33	55.7?		44.40	N		149.38	E	33	N	4.4	1.0	8	KURIL ISLANDS
	04	05	44	36.6?		31.34	S		71.65	W	33	N		0.8	9	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	04	06	12	51.9%		38.361	S		175.885	E	213	*		0.5	32	NORTH ISLAND, NEW ZEALAND
	04	06	43	16.9?		33.89	S		72.18	W	33	N		1.0	14	OFF COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	04	06	43	42.1		1.338	N		118.153	E	36		4.9 4.3	0.8	23	BORNEO
	04	06	50	31.6&		61.470	N		141.294	W	0				41	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
	04	07	37	15.1		45.043	N		3.040	E	10	G		0.9	10	FRANCE ML 2.4 (STR), 2.3 (LDG).
	04	09	03	57.4*		3.227	S		148.935	E	10	G	4.5 3.8	1.1	10	BISMARCK SEA
	04	09	21	10.8?		17.94	N		61.34	W	10	G		0.8	6	LEEWARD ISLANDS MD 3.2 (TRN).
	04	10	19	31.6%		41.181	N		28.533	E	10	G		0.5	6	TURKEY
	04	10	52	35.9&		35.076	N		118.465	W	2				19	CENTRAL CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.8 (GS).

	04	10	56	05.4*	14.172	S	167.121	E	226	*	4 6		1.0	53	VANUATU ISLANDS
	04	11	33	37.2%	39.156	S	174.651	E	250				0 4	38	NORTH ISLAND NEW ZEALAND
	04	11	35	47.8?	40.02	N	29 38	E	10	G			0.2	4	TURKEY
	04	12	21	34.6	6.671	N	72.892	W	173		4 1		1.0	26	NORTHERN COLOMBIA
	04	12	30	58.1?	41.62	N	22.30	E	10	G			0 4	5	NORTHWESTERN BALKAN REGION. ML 2.2 (SKO).
	04	12	47	14.8*	23.458	S	179.954	W	567	?	4.6		1.3	35	SOUTH OF FIJI ISLANDS
a	04	13	04	45.5	19.729	S	178.120	W	600	D	5.4		1.0	156	FIJI ISLANDS REGION
	04	13	29	44.1*	42.384	N	23.935	E	10	G			1 0	7	BULGARIA MD 3.0 (THE)
	04	14	01	23.8?	51.35	N	19.74	E	10	G			1.4	5	POLAND ML 3 0 (WAR).
	04	15	46	51.6	33 761	S	71.089	W	33	N			0.7	12	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	04	16	13	54.6*	72 156	N	0.334	W	10	G	3.5		0.4	10	JAN MAYEN ISLAND REGION. MD 3.3 (BER).
	04	16	23	53.6?	5.71	S	147 68	E	130	?	3.9		0.6	5	EASTERN NEW GUINEA REG., P.N.G.
	04	17	08	06.9?	34.19	S	71.61	W	33	N			1.3	10	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	04	17	21	43.2	2.999	S	139.555	E	33	N	5.0		1.3	33	NEAR NORTH COAST OF IRIAN JAYA
	04	18	02	58.7*	32.291	S	71.615	W	10	G			1.0	10	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	04	18	29	39.0?	8.21	S	122.20	E	150	G	4.3		0.1	5	FLORES REGION, INDONESIA
	04	19	00	58.7*	16.391	S	74.558	W	33	N	3.8		0.8	5	NEAR COAST OF PERU
	04	19	13	35.7?	22.75	S	66.37	W	250	?	3.6		1.4	5	JUJUY PROVINCE, ARGENTINA
	04	20	23	47.9*	27.955	S	71.259	W	77	*			0.9	17	NEAR COAST OF NORTHERN CHILE
	04	20	45	50.8*	35.779	N	30.596	E	33	N			1.7	6	EASTERN MEDITERRANEAN SEA. ML 3.0 (CSS).
	04	21	12	15.3*	16.796	S	175.756	E	33	N	4.6	4.0	0.8	8	FIJI ISLANDS REGION
	04	21	44	59.9	29.787	N	142.168	E	33	N	4.3		0.5	15	SOUTH OF HONSHU, JAPAN
	04	21	50	30.3?	45.42	N	151.97	E	33	N	4.1		1.4	6	KURIL ISLANDS
	04	21	51	36.8	11.085	N	92.921	E	33	N	4.7		1.0	18	ANDAMAN ISLANDS, INDIA
	05	00	02	03.2?	16.54	N	94.48	W	85	?	3.2		1.2	11	OAXACA, MEXICO
	05	01	00	23.0	72.043	N	151.208	W	10	G	2.7		0.5	8	BEAUFORT SEA
	05	01	10	07.3%	38.039	S	176.029	E	236	?			0.5	20	NORTH ISLAND, NEW ZEALAND
	05	02	07	40.2*	34.224	N	78.729	E	33	N	4.3		1.3	16	KASHMIR-XIJANG BORDER REGION
	05	02	16	41.3*	6.009	S	146.328	E	26	*	4 1		1.1	15	EASTERN NEW GUINEA REG., P.N.G.
	05	02	32	04.6	23.223	S	66.613	W	201		4.7		1.0	57	JUJUY PROVINCE, ARGENTINA
	05	03	49	41.2?	22.81	S	172.62	E	33	N	4 8		1.5	13	LOYALTY ISLANDS REGION
	05	04	13	31.8%	40.505	N	22.761	E	10	G			0.3	7	GREECE. MD 1.8 (THE).
	05	04	18	56.7?	21.91	S	173.20	E	33	N	4.6		1.1	6	VANUATU ISLANDS REGION
	05	04	47	37.9*	31.736	S	69.931	W	110	G			0.6	12	SAN JUAN PROVINCE, ARGENTINA. MD 4.5 (SAN).
	05	04	49	30.8*	6.425	S	130.189	E	82	?	5.0		1.2	25	BANDA SEA
	05	05	07	06.1	44.492	N	10.470	E	20				1.0	34	NORTHERN ITALY. ML 2.9 (LDG), 2.8 (GEN).
a	05	05	33	14.4	45.199	N	150.980	E	52	D	5.6		0.8	291	KURIL ISLANDS. Mo=2.5*10**17 Nm (PPT).
	05	06	07	42 6&	31.189	N	116.870	W	6	G	3.9			16	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 4.0 (PAS).
	05	06	15	50.4	39.214	S	174.739	E	243		4.4		1.1	53	NORTH ISLAND, NEW ZEALAND
	05	07	31	30.9&	59 607	N	153.113	W	109					41	SOUTHERN ALASKA. <AEIC>.
	05	09	25	33.2*	6.604	N	126.368	E	33	N	4.7		1.3	17	MINDANAO, PHILIPPINE ISLANDS
	05	09	37	45.8	17.694	N	61.443	W	30		3.8		0.8	14	LEEWARD ISLANDS. ML 3.5 (FDF). MD 3.5 (TRN).
	05	09	41	03.3?	13.47	S	165.32	E	33	N	4.9		0.7	6	VANUATU ISLANDS
	05	10	15	11.7	36.671	N	6.394	W	10	G			1.3	13	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD). Felt at El Puerto de Santa Maria and Jerez de la Frontera, Spain.
	05	10	19	11.2	36.658	N	6.401	W	10	G			1.2	11	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD). Felt (III) at El Puerto de Santa Maria and Jerez de la Frontera, Spain.
	05	10	38	29.5	36.694	N	6.321	W	10	G			0.7	11	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD). Felt at El Puerto de Santa Maria and Jerez de la Frontera, Spain.
	05	10	42	27.4%	45.307	N	25.067	E	10	G			1.5	7	ROMANIA
	05	10	57	13.0*	50.260	N	100.168	E	45	?	4.4		1.1	17	MONGOLIA. Felt (III), at Zakamensk and (II) at Irkutsk, Russia.
	05	10	59	50.9*	60.451	N	4.957	E	10	G			0.7	8	SOUTHERN NORWAY. MD 1.9 (BER).
	05	11	28	09.7*	39.920	N	23.964	E	10	G			0.5	9	AEGEAN SEA. MD 2.5 (THE).
	05	11	29	16.9*	45.747	N	151.406	E	40	G	4.1		1.0	10	KURIL ISLANDS
a	05	13	13	41.3	52.244	N	170.225	W	33	N	5.5	5.6	1.0	320	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.7 (PMR). Ms 5.5 (BRK). Mo=1.3*10**18 Nm (PPT).
	05	13	14	26.7*	5.771	S	147.620	E	137	*	5.0		1.0	12	EASTERN NEW GUINEA REG., P.N.G.
	05	13	39	38.3%	40.144	N	28.879	E	33	N			0.9	7	TURKEY
	05	14	00	56.4	43 413	N	5.439	E	10	G			0.7	16	NEAR SOUTH COAST OF FRANCE. ML 3.1 (STR).
a	05	14	21	12.0	14.645	N	92.591	W	76		4.9		1.0	146	NEAR COAST OF CHIAPAS, MEXICO. Mo=2.0*10**17 Nm (PPT).
	05	14	43	05.6%	39.777	N	28.024	E	10	G			0.4	7	TURKEY
	05	15	08	51.0?	32.29	S	69.20	W	33	N			0.8	5	MENDOZA PROVINCE, ARGENTINA
	05	15	46	30.7&	61.363	N	146.708	W	19					57	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	05	15	53	08.7*	5.835	S	153.152	E	43	*	4.8		1.2	16	NEW IRELAND REGION, P.N.G.
	05	16	15	22.1?	6.95	N	127.47	E	33	N	4.7		0.4	8	PHILIPPINE ISLANDS REGION
	05	16	27	51.7*	3.065	N	128.527	E	33	N	4.4		0.8	13	NORTH OF HALMAHERA, INDONESIA
	05	17	14	59.9?	37.22	N	20.52	E	33	N			1.5	10	IONIAN SEA. ML 4.1 (ATH).
	05	18	09	24.6&	61.019	N	146.515	W	14		3.3			73	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
	05	18	49	54.7*	36.945	N	29.417	E	10	G			1.1	6	TURKEY
	05	19	33	47.7?	31.98	S	68.96	W	10	G			1.1	5	SAN JUAN PROVINCE, ARGENTINA
	05	19	36	29.8*	31.513	N	67.038	E	33	N	4.4	4.2	1.5	22	AFGHANISTAN
	05	20	31	09.9?	64.25	S	154.26	E	10	G	4.8	4.1	1.1	17	BALLENY ISLANDS REGION
	05	20	43	38.2%	40.806	N	27.627	E	10	G			1.3	9	TURKEY
	05	21	37	22.5	47.173	N	9.648	E	10	G			1.1	17	GERMANY ML 3.0 (VIE), 2.8 (LDG).
	05	21	57	32.3?	20.98	N	108.35	W	10	G	3.8		0.9	12	REVILLA GIGEDO ISLANDS REGION
	05	22	24	08.8?	56.17	N	35.05	W	10	G	4.3	4.4	1.5	11	NORTH ATLANTIC OCEAN
	05	23	08	58.0*	4.615	S	146.215	E	75	*	4.9		1.4	11	EASTERN NEW GUINEA REG., P.N.G.
a	05	23	10	48.6	31.426	N	66.825	E	18	D	5.1	5.3	1.0	98	AFGHANISTAN
	05	23	41	36.8	31 365	N	66.858	E	33	N	5.0	4.6	1.3	87	AFGHANISTAN
	05	23	54	33.1?	35.81	S	72.12	W	33	N			0.6	11	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	06	00	08	06.2*	29.741	N	143.191	E	33	N	4.8		0.8	17	SOUTH OF HONSHU, JAPAN
f	06	01	12	38.5	5.720	S	103.156	E	37	G	5.9	6.4	1.1	379	SOUTHERN SUMATERA, INDONESIA. Ms 6.3 (BRK). Mo=4.0*10**18 Nm (PPT). Felt (IV) in the epicentral area and (III) at Kapahiang. Also felt in the Lampung area and at Jakarta. Depth from broadband displacement seismograms.
	06	01	27	01.9%	43.128	N	1.012	W	10	G			0.1	5	PYRENEES ML 1.4 (STR).
	06	02	14	35.8&	57.852	N	155.629	W	84		3.9			77	ALASKA PENINSULA. <AEIC>.
	06	02	18	15.7	28.352	N	52.597	E	41	*	4.6	4.8	0.6	52	SOUTHERN IRAN
	06	02	58	50.6	36.707	N	6.288	W	10	G			1.0	10	STRAIT OF GIBRALTAR
	06	03	00	30.0	6.727	N	125.636	E	26	*	4 8		1.1	23	MINDANAO PHILIPPINE ISLANDS
	06	03	14	56.0	40.416	S	74.518	W	34	D	5 2	5.0	1 0	58	OFF COAST OF SOUTHERN CHILE

	06	03	28	02.4	44.514	N	114.094	W	5	G			0 4	16	WESTERN IDAHO ML 3.3 (BUT).
	06	03	35	15.3	29.610	N	95.521	E	15	D	5.6	5.0	0 9	273	EASTERN XIJANG-INDIA BORDER REG.
	06	03	39	29.3?	6.88	N	125.12	E	33	N	4.5		0.6	5	MINDANAO, PHILIPPINE ISLANDS
	06	03	42	52.3?	44.29	N	7.49	E	10	G			0 0	4	NORTHERN ITALY. ML 1.5 (GEN).
a	06	03	54	37.6	5.684	S	103.162	E	33	D	5.3	5.4	1 1	14	SOUTHERN SUMATERA, INDONESIA. Felt in the Lampung area and at Jakarta.
	06	03	58	51.7?	36.77	N	6.22	W	10	G			0.6	4	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
	06	04	35	01.2	5.775	S	103.076	E	37	D	5.4	5.0	1.1	125	SOUTHERN SUMATERA, INDONESIA
	06	04	57	43.5*	33.147	S	178.747	W	33	N	4.6		1.0	9	SOUTH OF KERMADEC ISLANDS
	06	05	09	01.6*	36.743	N	71.605	E	33	N	3.6		0.6	7	AFGHANISTAN-TAJIKISTAN BORD REG.
	06	05	18	50.5	5.834	S	147.767	E	113		5.2		0.8	59	EASTERN NEW GUINEA REG., P.N.G.
	06	05	40	42.7?	32.56	S	72.06	W	10	G			0.6	9	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	06	05	43	15.3%	38.546	S	175.479	E	201	*			0.5	27	NORTH ISLAND, NEW ZEALAND
	06	06	21	49.1*	44.391	N	149.016	E	33	N	4.4		0.8	14	KURIL ISLANDS
	06	06	33	40.0%	40.504	N	23.082	E	10	G			0.7	5	GREECE. MD 1.2 (THE).
	06	06	35	39.1*	52.237	N	178.385	W	183	*	4.3		1.0	16	ANDREANOF ISLANDS, ALEUTIAN IS.
	06	08	43	01.8*	49.355	N	151.807	E	245	?	4.2		1.2	20	NORTHWEST OF KURIL ISLANDS
	06	08	48	41.1%	39.154	N	27.493	E	10	G			1.2	5	TURKEY
	06	08	54	40.8	42.598	N	19.028	E	10	G			0.5	9	NORTHWESTERN BALKAN REGION. ML 2.5 (TTG).
	06	08	59	52.3*	5.612	S	103.120	E	69	?	4.7		1.1	22	SOUTHERN SUMATERA, INDONESIA
	06	09	02	11.5	41.150	N	20.812	E	10	G			0.5	12	ALBANIA. ML 2.8 (SKO), 2.5 (TTG).
	06	09	04	00.8*	31.323	S	176.954	W	36	D	4.8	4.2	1.1	14	KERMADEC ISLANDS REGION
	06	09	31	11.9&	61.508	N	146.622	W	22		2.5			62	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PMR).
	06	09	42	57.0*	3.563	S	77.546	W	84	?	4.6		1.3	17	PERU-ECUADOR BORDER REGION
	06	12	17	56.0?	39.72	N	27.72	E	10	G			1.2	8	TURKEY
	06	13	01	25.2?	39.56	N	27.55	E	10	G			1.2	7	TURKEY
	06	13	50	45.4	6.629	N	125.472	E	10	G	4.8	4.1	1.0	36	MINDANAO, PHILIPPINE ISLANDS
	06	14	18	43.0	56.045	S	24.522	W	33	N	5.1		0.8	28	SOUTH SANDWICH ISLANDS REGION
	06	14	50	33.8?	3.73	S	145.26	E	33	N	4.2		1.3	6	NEAR N COAST OF NEW GUINEA, PNG.
	06	14	59	21.8*	2.615	S	133.899	E	33	N	4.3		1.2	9	IRIAN JAYA REGION, INDONESIA
	06	16	04	39.7?	5.73	S	146.95	E	145	*	4.2		1.2	6	EASTERN NEW GUINEA REG., P.N.G.
	06	16	28	19.9*	66.967	N	21.011	E	10	G			1.2	6	SWEDEN. MD 2.8 (BER).
	06	16	50	59.2	22.144	S	179 453	W	608		5.1		0.9	97	SOUTH OF FIJI ISLANDS
	06	16	55	44.4%	45.963	N	2.682	E	10	G			0.4	8	FRANCE. ML 2.1 (LDG).
	06	17	09	31.9%	39.649	N	27.883	E	10	G			1.0	8	TURKEY
	06	18	06	25.0%	17.860	N	101.675	W	33	N			0.9	11	NEAR COAST OF GUERRERO, MEXICO
	06	18	21	39.8	31.656	S	69.307	W	149	*			0.7	14	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
	06	18	47	02.3*	34.642	N	72.623	E	33	N	4.1		0.6	11	PAKISTAN
	06	18	47	27.4	38.039	N	28.847	E	10	G			1 4	9	TURKEY
	06	19	54	44.0	21 438	S	68.450	W	132		4.8		1.3	21	CHILE-BOLIVIA BORDER REGION
	06	20	29	18.3	52 206	N	159.675	E	45	D	4.9	4 4	1.0	107	OFF EAST COAST OF KAMCHATKA
	06	21	24	48.7	27.891	N	139.783	E	436	*	4.4		0.9	26	BONIN ISLANDS REGION
	06	21	44	35.4%	44.361	N	7.328	E	10	G			0.4	7	NORTHERN ITALY. ML 1.8 (GEN).
	06	22	05	33.5?	40.24	S	74.32	W	33	N			0.8	7	OFF COAST OF SOUTHERN CHILE
	06	22	21	36.7	8.209	N	72.798	W	172		4.5		0.9	120	VENEZUELA. MD 5.2 (UPA). Felt at Medellin.
	06	22	28	27.1	44.877	N	7.350	E	10	G			1.1	31	NORTHERN ITALY. ML 2.8 (GEN), 2.7 (LDG).
	06	23	17	47.7&	60.707	N	150.402	W	43					6	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.3 (AEIC).
	07	00	06	28.7	43.202	N	146.572	E	53	D	5.6		0.9	279	KURIL ISLANDS
	07	00	51	24.2	41.585	N	5.834	W	18	*			1.5	16	SPAIN. ML 3.1 (LDG). mbLg 3.2 (MDD). Felt (III) in the Muelas de Pan area.
	07	01	33	15.6?	36.94	N	15.85	E	10	G			0.6	8	SICILY
	07	02	02	15.4*	38.900	N	16.344	E	10	G			0.8	7	SOUTHERN ITALY
	07	02	08	39.8%	40.931	N	22.853	E	10	G			0.3	5	GREECE. MD 1.1 (THE).
	07	04	20	59.8	37.588	N	142.084	E	42		4.2		0.7	24	OFF EAST COAST OF HONSHU, JAPAN
	07	04	53	24.6	21.074	S	68.806	W	206	?	4.1		0.9	11	CHILE-BOLIVIA BORDER REGION
	07	05	12	37.8	39.001	S	175.743	E	10	G	3.4		1.0	32	NORTH ISLAND, NEW ZEALAND
	07	05	37	59.0&	67.670	N	147.014	W	0		3.7			38	NORTHERN ALASKA. <AEIC>. ML 4.2 (AEIC), 4.2 (PMR).
	07	05	54	38.3?	60.35	N	4.16	E	10	G			0.5	5	SOUTHERN NORWAY. MD 2.1 (BER).
	07	05	59	45.2	59.047	S	25.919	W	33	N	5.2		1.2	35	SOUTH SANDWICH ISLANDS REGION
	07	06	20	16.4*	53.314	N	165.772	W	33	N	4.1		0.8	14	FOX ISLANDS, ALEUTIAN ISLANDS
a	07	06	35	25.9	52.912	N	159.532	E	48	D	5.4	4.4	0.9	304	OFF EAST COAST OF KAMCHATKA. Felt (III) at Petropavlovsk-Kamchatskiy.
	07	07	42	51.6	31.877	S	70.543	W	110	G			0.6	15	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
	07	08	07	13.2	44.753	N	7.231	E	10	G			0.8	19	NORTHERN ITALY. ML 2.4 (GEN).
	07	08	11	02.9*	15.110	S	166.721	E	33	N	4.6	3.9	1.2	23	VANUATU ISLANDS
	07	08	14	18.1	41.233	N	19.400	E	10	G			1.0	48	ALBANIA. ML 3.5 (ROM), 3.4 (TTG). MD 3.7 (ATH), 3.3 (THE).
	07	09	01	20.1*	22.383	S	68.321	W	33	N			1.4	5	NORTHERN CHILE
a	07	09	48	39.6	55.763	N	160.803	E	146	D	5.0		0.9	204	KAMCHATKA
	07	10	10	34.8&	60.637	N	151.848	W	75					48	KENAI PENINSULA, ALASKA. <AEIC>.
	07	10	17	02.0?	37.95	N	4.95	W	10	G			0.2	4	SPAIN. mbLg 2.7 (MDD).
	07	10	22	42.6&	60.681	N	152.005	W	85					72	SOUTHERN ALASKA. <AEIC>.
	07	12	14	44.3%	40.761	N	23.153	E	10	G			0.2	6	GREECE. MD 1.6 (THE).
	07	13	01	00.4	8.939	N	124.054	E	53	*	4.8	4.2	1.1	49	MINDANAO, PHILIPPINE ISLANDS
	07	14	06	57.7*	41.099	N	19.358	E	10	G			1.0	10	ALBANIA. ML 2.2 (TTG).
	07	14	12	12.2*	37.317	N	70.905	E	33	N	4.4		1.4	13	AFGHANISTAN-TAJIKISTAN BORD REG.
	07	15	54	03.9%	34.055	S	70.882	W	70	G			0.3	7	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
a	07	16	18	14.6	25.981	S	176.854	W	62	D	5.2		1.1	34	SOUTH OF FIJI ISLANDS
	07	16	29	14.1%	37.133	N	3.577	W	10	G			1.2	5	SPAIN. mbLg 2.6 (MDD). Felt (IV) in the Zubia area.
	07	16	56	49.5%	41.468	N	15.263	E	10	G			0.7	5	SOUTHERN ITALY
	07	18	13	11.6&	45.702	N	112.739	W	0	G	2.8			19	MONTANA. <BUT>. ML 2.8 (BUT). Chemical Explosion at the Maiden Rock Mine (BUT).
	07	18	14	01.9?	36.10	N	0.01	W	10	G			0.6	5	WESTERN MEDITERRANEAN SEA. mbLg 2.6 (MDD).
	07	19	04	42.5*	21.018	S	68.837	W	33	N			1.5	6	CHILE-BOLIVIA BORDER REGION
	07	19	26	48.5*	37.435	S	177.463	E	206		4.7		0.9	41	OFF E. COAST OF N. ISLAND, N.Z.
	07	19	46	54.0%	39.375	N	16.249	E	10	G			0.5	6	SOUTHERN ITALY
	07	20	00	15.4*	44.784	N	17.061	E	10	G			1.4	8	NORTHWESTERN BALKAN REGION. ML 3.2 (ZAG). MD 3.0 (LJU).
	07	20	41	28.7%	37.869	S	176.436	E	224	?			0.5	21	NORTH ISLAND, NEW ZEALAND
	07	20	56	32.0	37.225	N	14.183	W	10	G	3.8		0 9	44	NORTH ATLANTIC OCEAN. mbLg 3.6 (MDD).
	07	21	18	26.0&	60.430	N	150.684	W	41					48	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	07	22	20	02.8%	42.696	N	11.958	E	10	G			0.9	12	CENTRAL ITALY
	07	22	34	08.7	7.713	N	121.959	E	39	*	5	0 4 4	1 1	50	MINDANAO, PHILIPPINE ISLANDS
	07	22	41	12.7%	42.916	N	12.826	E	10	G			0.4	7	CENTRAL ITALY

	07	22 48 52.2?	35.93	N	13.61	E	10	G			0 8	9	CENTRAL MEDITERRANEAN SEA
	07	22 56 57.0%	42.658	N	12.042	E	10	G			0 3	7	CENTRAL ITALY
	07	22 59 38.6%	42.774	N	12.154	E	10	G			0 4	6	CENTRAL ITALY
	07	23 17 52.0	42.704	N	11 936	E	6		3.7		1 *	56	CENTRAL ITALY. MD 3 9 (TRI), 3.5 (ROM). ML 3.5 (VIE).
	07	23 31 36.1%	42 693	N	11.924	E	10	G			0 6	13	CENTRAL ITALY
	07	23 37 15.8	42.696	N	11.996	E	20				0.9	18	CENTRAL ITALY MD 2 9 (FIR)
	07	23 43 57.9	42.691	N	11.921	E	8				1.0	31	CENTRAL ITALY. MD 3.5 (LJU). 3.1 (FIR).
	07	23 47 15 3	45.298	N	150.206	E	39	*	4.7	4.3	0.8	42	KURIL ISLANDS
	08	00 18 02.8	19.151	N	64.790	W	10	G	3 7		0.8	21	VIRGIN ISLANDS ML 4.3 (FDF) MD 4.1 (TRN).
	08	00 33 45.8	42.691	N	11.960	E	10	G			0.6	19	CENTRAL ITALY. MD 3.0 (FIR).
	08	01 10 09 0	42.697	N	11 956	E	14				0.5	15	CENTRAL ITALY. MD 2.9 (FIR).
	08	01 19 58.2?	43.05	N	12.22	E	10	G			0.1	5	CENTRAL ITALY
	08	01 48 17.3*	29.898	N	95.162	E	33	N	4 3		0.8	8	EASTERN XIJANG-INDIA BORDER REG.
	08	02 15 49.5*	42.857	N	145.746	E	38	*	4.3		1.0	21	HOKKAIDO, JAPAN REGION
	08	02 41 45.5%	42.695	N	12.020	E	10	G			0.4	6	CENTRAL ITALY
	08	03 05 24.0	42.688	N	11.970	E	10	G			0.3	10	CENTRAL ITALY
	08	05 00 42.9&	61.545	N	153.773	W	10					41	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	08	05 40 42.8%	17.335	N	95.354	W	33	N			0.8	5	OAXACA, MEXICO
	08	06 50 18.7	42.693	N	11.972	E	10	G			0.6	13	CENTRAL ITALY
	08	07 45 16.5%	40.104	S	173.486	E	229	*			0.4	22	COOK STRAIT, NEW ZEALAND
a	08	08 22 34.2	7.031	N	78.322	W	33	N	5.1	4.3	1.1	166	PANAMA. Felt in parts of Darien and San Blas Provinces.
	08	08 47 25.4%	39.204	N	27.772	E	10	G			0.1	5	TURKEY
	08	09 20 26.3%	39.265	N	28.149	E	10	G			0.8	7	TURKEY
a	08	10 03 48.4	45.216	N	150.937	E	51	D	5.1		0.7	119	KURIL ISLANDS
	08	10 25 03.1%	42.689	N	12.042	E	10	G			0.6	7	CENTRAL ITALY
	08	11 08 31.3%	39.317	N	28.199	E	10	G			0.6	8	TURKEY
	08	11 10 37.0*	32.972	S	70.895	W	90	G			0.8	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	08	11 37 57 8?	18.16	S	178.68	W	524	*	4.6		0.7	10	FIJI ISLANDS REGION
	08	12 04 59.0?	35.94	N	10.29	W	10	G			1.0	6	NORTH ATLANTIC OCEAN. MD 3.2 (RBA).
	08	12 58 37 8	39.237	N	20.499	E	10	G			0.7	14	GREECE-ALBANIA BORDER REGION MD 3.1 (ATH), 2.8 (THE).
	08	13 12 01 3%	42.665	N	11.957	E	10	G			0.4	6	CENTRAL ITALY
	08	13 37 36 5%	46 295	N	1.830	E	10	G			0.3	5	FRANCE. ML 1.6 (LDG)
	08	14 38 54 4%	40.684	N	22.549	E	10	G			0.2	5	GREECE MD 1.2 (THE)
	08	15 29 54.1%	42.729	N	11.973	E	10	G			1.0	5	CENTRAL ITALY
	08	15 32 49.4%	42.721	N	11.974	E	10	G			0.9	11	CENTRAL ITALY
	08	15 38 25.3&	60.028	N	152.337	W	75		3.2			47	SOUTHERN ALASKA. <AEIC>.
	08	16 38 03 5*	36.538	N	22.822	E	10	G			* 2	8	SOUTHERN GREECE. ML 3.2 (ATH).
	08	17 29 29 1%	42.683	N	11.987	E	10	G			1.2	6	CENTRAL ITALY
	08	17 40 20.4	42.703	N	11.888	E	10	G			0.9	22	CENTRAL ITALY
	08	17 47 02.5%	42.658	N	11.847	E	10	G			0.8	5	CENTRAL ITALY
	08	18 12 03 6*	61 487	N	4.445	E	10	G			1 1	9	SOUTHERN NORWAY. ML 1.5 (NAO). MD 2.0 (BER).
	08	18 14 26.4%	47.034	N	0.392	E	10	G			1.0	12	FRANCE ML 2.2 (LDG).
	08	18 59 41.6%	42.701	N	11.973	E	10	G			0.3	5	CENTRAL ITALY
	08	19 25 04.5*	32.759	N	138.385	E	312	*	4.0		0.7	12	SOUTH OF HONSHU, JAPAN
	08	19 44 16 4?	33.19	S	178.59	W	33	N	4.2		1.4	7	SOUTH OF KERMADEC ISLANDS
	08	20 12 14.2*	37.720	N	33.072	E	10	G			1.1	6	TURKEY ML 3.5 (CSS).
	08	20 16 26.3*	14.547	S	167.104	E	33	N	4.6		1.1	60	VANUATU ISLANDS
	08	20 46 07 7	44.340	N	12.109	E	10	G			1.5	9	NORTHERN ITALY. MD 2.8 (TRI).
	08	21 25 47.1?	28.19	N	68.60	E	97	*	3.7		1.0	11	PAKISTAN
	08	22 13 46.3%	42.669	N	11.991	E	10	G			0.7	8	CENTRAL ITALY
	08	23 50 56.4*	37.098	N	29.570	E	10	G			0.8	6	TURKEY
	09	00 08 17.1?	5.21	S	147.24	E	119	*	4.5		1.3	8	EASTERN NEW GUINEA REG., P.N.G.
	09	00 31 04.5%	43.124	N	1.004	W	10	G			0.4	5	PYRENEES. ML 1.0 (STR).
	09	01 31 53.0*	16.483	N	99.467	W	10	G			1.0	7	NEAR COAST OF GUERRERO, MEXICO
	09	02 40 25 6?	29.51	S	70.93	W	112	?			0.4	6	CENTRAL CHILE
	09	03 01 05.9%	42.748	N	12.005	E	10	G			0.5	6	CENTRAL ITALY
	09	03 26 03.7%	42.729	N	12.013	E	10	G			0.4	5	CENTRAL ITALY
	09	03 44 26.1?	17.16	N	144.91	E	96	?	4.4		1.2	8	MARIANA ISLANDS REGION
	09	03 55 28.9?	10.46	N	61.39	W	10	G			1.3	4	TRINIDAD. MD 2.7 (TRN).
	09	04 00 14 8?	16.11	N	95.61	W	33	N	4.8		0.8	23	OAXACA, MEXICO. Felt at Huatulco.
	09	04 41 28.1	26.798	N	102.957	E	13		4.6		0.9	29	SICHUAN, CHINA
	09	05 04 39.7%	42.498	N	12.680	E	10	G			0.5	10	CENTRAL ITALY
	09	05 37 02.2*	42.705	N	12.035	E	10	G			0.3	5	CENTRAL ITALY
	09	06 27 26.9	43.378	N	4.414	E	10	G			1.0	18	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG), 2.5 (STR).
	09	07 29 33.5%	42.720	N	11.915	E	10	G			0.9	10	CENTRAL ITALY
	09	07 32 59.4	31.090	N	139.729	E	21	D	4 9	4.3	1.0	82	SOUTH OF HONSHU, JAPAN
a	09	07 49 18.1	51.494	N	178.389	W	35	D	5.1	4.3	0.9	198	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR). Felt (III) on Adak.
	09	08 09 54.3%	42.764	N	12.179	E	10	G			1.0	7	CENTRAL ITALY
	09	08 12 52.5%	42.679	N	12.018	E	10	G			0.3	6	CENTRAL ITALY
	09	09 02 51.2?	7.99	S	131.27	E	91	?	4.2		0.9	9	TANIMBAR ISLANDS REG., INDONESIA
	09	10 19 36.0	19.440	N	64.667	W	10	G	4.4	4.2	1.2	49	VIRGIN ISLANDS. ML 4 8 (FDF).
	09	12 44 52.7	29.627	N	95.646	E	10	D	5.1		0.9	87	EASTERN XIJANG-INDIA BORDER REG.
	09	12 45 37.4*	19.398	N	67.618	W	14		3.8		0.3	10	MONA PASSAGE
	09	12 57 23.3%	44.740	S	167.582	E	103	*			0.5	17	SOUTH ISLAND, NEW ZEALAND
	09	13 06 58.2	44.209	N	8.336	E	10	G			0.5	15	NORTHERN ITALY. ML 2.5 (LDG).
	09	13 11 23.3*	37.586	N	95.917	E	33	N	3.9		1.3	8	QINGHAI, CHINA
	09	14 00 16.3%	38.816	N	15.262	E	10	G			1.4	8	SICILY
	09	14 37 34.7	29.660	N	95.607	E	10	G	4.8		0.8	31	EASTERN XIJANG-INDIA BORDER REG.
	09	17 20 20.2%	43.220	N	13.057	E	5	G			1.1	5	CENTRAL ITALY
	09	17 28 18.2&	60.238	N	152.733	W	110					40	SOUTHERN ALASKA. <AEIC>.
	09	17 54 23.5?	4.54	N	125.89	E	33	N	4.8		0.6	11	TALAUD ISLANDS, INDONESIA
	09	18 12 13.6	38.065	N	20.963	E	10	G			1.1	13	GREECE. ML 3.5 (ATH). MD 3.5 (THE).
	09	18 58 53.4	39.269	N	15.003	E	303		3.5		1.3	44	SOUTHERN ITALY
	09	19 07 44.2%	39.964	N	29.226	E	10	G			0.5	7	TURKEY
	09	19 22 58.4	35.767	N	22.312	E	67	*	3.4		1.0	25	CENTRAL MEDITERRANEAN SEA. MD 3.6 (ATH).
	09	19 27 54.5*	13.354	N	89.226	W	79		4.6		1.2	22	EL SALVADOR. Felt (III) at San Salvador.
	09	19 39 19 7&	61.361	N	151.712	W	102					60	SOUTHERN ALASKA. <AEIC>.
	09	19 42 09.1	40.136	N	25.095	E	10	G			1 1	9	AEGEAN SEA. MD 2.6 (THE).
	09	19 42 30 4&	61.215	N	157.933	W	35		3.1			41	SOUTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.2 (PMR).
	09	19 58 04.1	51.601	N	151.467	E	504	?	4.2		0.7	32	SEA OF OKHOTSK
	09	20 01 18.7	37.059	N	29 483	E	5	G			0 6	7	TURKEY
	09	20 22 48.8%	42.675	N	11.991	E	10	G			0 3	7	CENTRAL ITALY

	09	21	04	17	3%	42.685	N	11.978	E	10	G		0.4	8 CENTRAL ITALY
	09	21	33	31.6		41.678	N	141 447	E	102		4 4	0.9	23 HOKKAIDO, JAPAN REGION
	09	21	38	42.7		13.808	N	90 612	W	85		4 4	1.2	65 NEAR COAST OF GUATEMALA Felt (II) at San Salvador, El Salvador
	09	21	44	31.5%		39.543	N	29.156	E	14			0.9	11 TURKE
	09	22	01	58	4	48.014	N	152.968	E	123		5 6	0.8	371 KURIL ISLANDS
	09	22	33	13.5%		28.854	S	67.848	W	33	N		0.4	6 LA RIOJA PROVINCE, ARGENTINA
	09	23	26	38	4%	43.074	N	0 611	W	5	G		0.2	5 PYRENEES ML 1 0 (STR)
	09	23	30	52.9%		42.757	N	12.033	E	10	G		0.7	6 CENTRAL ITALY
	09	23	49	04.4		41.741	N	22.861	E	10	G		0.6	11 NORTHWESTERN BALKAN REGION. ML 2.5 (SKO). MD 3.0 (THE).
	10	02	49	08.1*		29.675	S	72.209	W	39	*	4.9	1.4	21 OFF COAST OF CENTRAL CHILE
c	10	02	50	08.5		31.103	N	139.769	E	30	D	4.9 4.8	1.0	73 SOUTH OF HONSHU, JAPAN
o	10	03	18	40.0		29.303	N	142.099	E	15	D	5.1 5.2	0.9	90 SOUTH OF HONSHU, JAPAN
	10	03	19	27.8&		60.409	N	152.736	W	128				62 SOUTHERN ALASKA. <AEIC>.
	10	03	58	30.5?		35.68	S	178.96	E	298	*	3.6	1.0	25 OFF E. COAST OF N. ISLAND, N.Z.
	10	05	52	31.4%		39.155	S	174.704	E	248	?		0.4	21 NORTH ISLAND, NEW ZEALAND
	10	07	06	40.1?		29.68	N	95.54	E	33	N	4.1	1.5	6 EASTERN XIJANG-INDIA BORDER REG.
	10	07	24	21.9*		14.240	N	92.699	W	33	D	4.4 3.8	1.2	28 NEAR COAST OF CHIAPAS, MEXICO
	10	07	52	44.0&		65.763	N	150.978	W	23				14 NORTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	10	08	30	38.7*		42.472	N	18.424	E	33	N		0.7	7 NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	10	08	58	00.7%		42.678	N	11.900	E	10	G		0.5	5 CENTRAL ITALY
	10	09	52	29.2%		40.392	N	23.271	E	10	G		0.2	5 GREECE. MD 2.0 (THE).
	10	09	57	45.5%		40.673	N	22.926	E	10	G		1.0	6 GREECE. MD 1.2 (THE).
	10	10	57	28.4*		32.909	S	70.852	W	90	G		0.9	13 CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
o	10	12	38	57.1		21.173	N	121.901	E	22	D	5.0 5.2	1.2	110 TAIWAN REGION
	10	12	56	29.1*		20.973	N	122.074	E	33	N	4.4 4.2	1.3	13 PHILIPPINE ISLANDS REGION
	10	13	03	43.5		20.512	N	65.948	W	10	G	4.5	1.2	29 NORTH ATLANTIC OCEAN
	10	14	58	49.8		40.659	N	21.436	E	10	G		0.5	14 GREECE. MD 3.2 (ATH), 3.0 (THE).
	10	15	47	21.4		27.976	S	26.633	E	5	G	4.3	1.2	12 REPUBLIC OF SOUTH AFRICA. mbLg 4.1 (BUL).
	10	16	22	27.5?		18.34	N	65.68	W	33	N		0.3	5 PUERTO RICO REGION
	10	16	38	38 1		30.193	N	57.478	E	44	*	4.6	1.0	28 NORTHERN IRAN
	10	17	24	39 5?		10.46	N	61.79	W	27	G		1.2	4 TRINIDAD. MD 2.7 (TRN).
	10	18	05	22.9*		41.886	N	22.581	E	10	G		0.7	7 NORTHWESTERN BALKAN REGION. MD 2.1 (THE).
	10	18	29	42.0&		38.848	N	122.872	W	3				26 NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK). Felt (IV) at Finley. Felt (III) at Cloverdale and Kelseyville. Also felt at Lakeport.
	10	19	11	49.2?		17.59	S	172.88	W	33	N	4.4	1.1	11 TONGA ISLANDS REGION
	10	19	44	20.0*		15.794	N	59.485	W	33	N	3.8	0.6	13 LEEWARD ISLANDS. ML 3.5 (FDF). MD 3.9 (TRN).
	10	20	05	26.6%		44.541	N	7.283	E	10	G		0.2	6 NORTHERN ITALY ML 1.6 (GEN)
	10	20	32	20.7		4.061	S	131.571	E	40	*	4.8	0.8	21 BANDA SEA
	10	21	30	29.2*		31.812	S	177.290	W	33	N	4.6	1.2	15 KERMADEC ISLANDS REGION
	10	21	44	35.6		20.957	S	66.762	W	222		4.7	1.2	36 SOUTHERN BOLIVIA
	10	21	59	52.0?		33.93	S	72.84	W	10	G		0.4	6 OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	10	22	31	28.7*		1.843	S	100.530	E	73	?	4.9	1.1	17 SOUTHERN SUMATERA, INDONESIA
	10	22	38	02.3		6.006	S	150.784	E	65	*	5.0	1.1	30 NEW BRITAIN REGION, P.N.G. Felt (III) at Rabaul.
	10	22	49	40.8*		31.701	S	70.206	W	110	G		0.6	10 CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	10	23	03	58.5*		29.708	S	176.828	E	33	N	4.7	1.2	13 NORTH OF NEW ZEALAND
	10	23	08	54.2?		11.23	N	61.87	W	60	G		0.6	7 WINDWARD ISLANDS MD 3.2 (TRN).
	10	23	17	46.3%		39.450	S	176.099	E	120	*		0.9	33 NORTH ISLAND, NEW ZEALAND
	10	23	43	32.5		19.178	S	168.682	E	45	*	4.7	1.1	48 VANUATU ISLANDS
	11	00	04	00.4?		67.93	N	20.34	E	5	G		0.2	4 SWEDEN. MD 2.3 (BER).
	11	00	06	02.3*		1.142	N	124.043	E	305	*	4.4	0.8	18 MINAHASSA PENINSULA, SULAWESI
	11	00	06	36.8?		34.58	S	70.54	W	134	?		0.2	8 CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	11	00	54	32.4%		42.779	N	12.034	E	10	G		0.7	7 CENTRAL ITALY
	11	00	57	39.6*		12.030	S	166.510	E	84	?	4.6	1.1	14 SANTA CRUZ ISLANDS
	11	01	29	13.6*		31.574	S	67.649	W	10	G		1.2	7 SAN JUAN PROVINCE, ARGENTINA
	11	02	10	04.3?		38.11	N	27.31	E	5	G		1.4	4 TURKEY
	11	02	12	38.8%		43.216	N	18.234	E	10	G		0.6	9 NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	11	02	29	17.0&		62.302	N	154.555	W	24		4.0		74 CENTRAL ALASKA. <AEIC>. ML 3.9 (AEIC), 4.2 (PMR). Felt (III) at Skwentna.
	11	02	38	22.3?		44.65	N	7.62	E	10	G		0.2	4 NORTHERN ITALY. ML 1.6 (GEN).
	11	02	40	54.1		40.289	N	20.568	E	10	G		0.8	12 GREECE-ALBANIA BORDER REGION. MD 2.4 (THE).
	11	02	46	51.6%		42.823	N	12.108	E	10	G		0.6	6 CENTRAL ITALY
	11	02	49	37.7&		61.153	N	157.656	W	0				11 SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	11	03	43	40.1*		8.535	N	126.545	E	33	N	4.4	1.2	18 MINDANAO, PHILIPPINE ISLANDS
	11	03	46	44.3?		32.18	S	177.23	W	76	D	4.8	1.1	14 SOUTH OF KERMADEC ISLANDS
	11	04	28	38.6?		38.31	N	30.40	E	10	G		1.3	12 TURKEY
	11	04	31	39.0%		38.567	N	30.126	E	5	G		1.1	9 TURKEY
	11	04	46	09.8%		33.183	S	71.429	W	33	N		0.6	9 NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	11	05	01	19.4?		39.49	N	28.75	E	5	G		0.8	6 TURKEY
	11	05	59	53.3*		6.501	N	126.937	E	107	*	4.9	0.7	19 MINDANAO, PHILIPPINE ISLANDS
	11	06	22	09.2?		18.50	N	66.40	W	92	?		0.2	8 PUERTO RICO REGION
	11	06	22	33.3*		31.451	S	68.782	W	110	*		0.9	14 SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN).
	11	06	38	06.3%		46.188	N	2.690	E	10	G		0.5	11 FRANCE. ML 2.1 (LDG).
	11	06	44	19.3?		14.24	N	90.64	W	73	?	4.2	1.3	16 GUATEMALA
	11	07	18	33.1?		37.11	S	95.95	W	10	G	4.8	1.3	12 SOUTHERN PACIFIC OCEAN
	11	07	34	02.4%		40.493	N	23.662	E	10	G		0.8	8 GREECE. MD 2.1 (THE).
	11	07	34	53.1		9.731	S	118.444	E	33	N	4.3	1.4	22 SUMBAWA REGION, INDONESIA
	11	08	11	44.1&		32.871	N	116.038	W	3				4 CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS).
	11	08	53	08.2%		39.094	N	27.602	E	10	G		0.3	6 TURKEY
	11	09	46	28.5%		38.990	N	26.701	E	10	G		0.4	8 AEGEAN SEA
	11	09	59	02.9*		38.408	N	27.258	E	10	G		0.8	7 TURKEY
	11	10	15	28.1		36.567	N	71.594	E	33	N	4.4	1.1	21 AFGHANISTAN-TAJIKISTAN BORD REG. Felt (II) at Khorog, Tajikistan.
	11	10	25	09.2&		56.378	N	120.723	W	5	G			7 BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.7 (PGC).
o	11	10	25	40.7		9.239	S	124.827	E	27	D	5.7 5.2	1.2	195 TIMOR REGION, INDONESIA. Felt at Kupang.
	11	10	56	27.7*		37.396	S	177.493	E	187	*		0.9	33 OFF E. COAST OF N ISLAND, N.Z.
	11	11	01	13.1%		42.646	N	23.592	E	10	G		0.9	5 BULGARIA
	11	11	20	18.9*		4.284	N	77.665	W	67	*	4.3	1.1	17 NEAR WEST COAST OF COLOMBIA
	11	12	39	19 9&		62.946	N	148.424	W	11				42 CENTRAL ALASKA <AEIC>. ML 2.7 (AEIC).
	11	12	39	20 8*		42.850	N	24.022	E	10	G		1.3	7 BULGARIA
	11	13	43	28 4*		32.613	S	69 224	W	126	?		0.7	12 MENDOZA PROVINCE, ARGENTINA MD 4.0 (SAN).

	11	14	06	18	4%	39.040	N	28	324	E	10	G		0.9	-	TURKEY
	11	14	31	44	6%	38	253	N	15.914	E	10	G		0.6	8	SICILY
	11	15	13	09.9		42.636	N	111	828	W	5	G		0.6	21	EASTERN IDAHO. ML 3.0 (GS), 3.2 (BUT). Felt (IV) at Bancroft.
	11	15	22	40.7?		18.9?	S	174.85		W	175	G	5.1	1.2	14	TONGA ISLANDS
	11	16	43	13.5*		31.671	S	69	720	W	136	?		0.6	12	SAN JUAN PROVINCE, ARGENTINA MD 3.7 (SAN).
	11	16	55	49.2?		18.11	N	67.19		W	33	N		1.2	8	MONA PASSAGE
	11	17	52	54.2		43.412	N	5.472		E	5	G		0.9	19	NEAR SOUTH COAST OF FRANCE ML 3.1 (STR).
	11	17	57	00.8?		51.55	N	7.60		E	10	G		0.2	4	GERMANY ML 2.0 (BNS)
	11	18	09	25.4		5.027	S	105.448		E	202	D	4.6	1.2	46	SUNDA STRAIT
	11	18	27	40.4?		35.06	S	72.17		W	33	N		0.7	14	NEAR COAST OF CENTRAL CHILE Felt (II) at Curico and Talca
	11	18	36	36.6&		37.187	N	117.456		W	6	G			15	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS), 3.5 (BRK).
	11	18	56	31.3&		60.195	N	147.084		W	4				40	SOUTHERN ALASKA <AEIC>. ML 3.1 (AEIC).
	11	19	26	51.6		44.386	N	7.320		E	10	G		0.8	20	NORTHERN ITALY. ML 2.3 (GEN), 2.3 (LDG).
	11	19	59	06.7&		64.881	N	152.830		W	4				16	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
	11	20	33	03.2?		31.73	N	139.68		E	103	?	4.0	1.3	13	SOUTH OF HONSHU, JAPAN
	11	20	34	49.2*		0.753	S	122.440		E	54	*	5.0	0.8	13	MINAHASSA PENINSULA, SULAWESI
	11	20	42	36.4*		4.008	N	126.461		E	33	N	5.0	1.2	17	TALAUD ISLANDS, INDONESIA
	11	21	52	27.9?		39.24	N	28.92		E	10	G		0.5	4	TURKEY
a	11	22	11	24.2		51.457	N	174.613		W	52	D	5.1	0.9	125	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR)
	11	22	32	26.3		51.521	N	174.613		W	47	D	5.0 4.6	1.0	99	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.9 (PMR)
	11	22	50	18.5%		17.738	N	95.026		W	33	N		1.2	8	OAXACA, MEXICO
	11	23	00	17.1&		63.465	N	151.107		W	12				65	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.6 (PMR).
	11	23	02	15.7?		10.64	N	85.42		W	33	N	4 1 3 8	0.8	10	COSTA RICA
	11	23	19	06.2&		61.706	N	150.087		W	33				58	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
	11	23	56	09.6		22.625	S	67.459		W	179	D	4 8	1.2	37	CHILE-BOLIVIA BORDER REGION
	12	00	52	01.7		42.009	N	23.258		E	10	G		1.1	17	BULGARIA. MD 2.9 (THE).
a	12	01	02	04.5		51.408	N	177.980		E	51	D	5.0	1.1	208	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.4 (PMR) Felt (II) on Amchitka.
	12	01	18	29.9*		44.475	N	22.296		E	10	G		1.4	5	ROMANIA. MG 2.9 (BEO).
	12	02	45	51.4		36.510	N	71.237		E	242	*	4 0	0.4	25	AFGHANISTAN-TAJIKISTAN BORD REG.
	12	03	05	03.2?		43.71	N	6.89		E	5	G		0.1	4	NEAR SOUTH COAST OF FRANCE
	12	03	08	28.1&		36.637	N	121.295		W	5				13	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	12	03	22	57.6?		13.34	N	90.29		W	33	N	4.5	1.6	23	NEAR COAST OF GUATEMALA
	12	03	24	26.0?		15.07	N	98.23		W	33	N		1.1	8	OFF COAST OF GUERRERO, MEXICO
	12	03	45	44.7%		47.962	N	6.587		E	10	G		0.7	6	FRANCE
	12	04	10	07.0%		40.708	N	29.976		E	10	G		0.5	6	TURKEY
	12	04	42	58.9		39.129	N	28.001		E	10	G		0.8	19	TURKEY
	12	05	12	03.2*		34.651	N	140.141		E	69	*	4.5	1.1	27	NEAR EAST COAST OF HONSHU, JAPAN
	12	05	24	45.5*		16.074	S	173.036		W	33	N	4.8	0.9	26	TONGA ISLANDS
	12	06	25	23.5		49.125	N	6.828		E	10	G		0.8	16	GERMANY. MD 3.3 (UCC). ML 3.2 (STR), 3.0 (BNS).
	12	06	32	08.8*		2.742	S	129.750		E	33	N	5 0	0.4	10	SERAM, INDONESIA
	12	07	00	10.0?		43.29	N	10.88		E	10	G		1.5	6	CENTRAL ITALY
	12	07	16	15.9%		39.239	N	27.915		E	10	G		0.5	8	TURKEY
	12	07	32	31.9&		64.828	N	146.116		W	14				42	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PMR).
	12	08	33	53.9		41.107	N	74.712		E	33	N	4 3	1.1	15	KYRGYZSTAN
	12	08	35	52.5*		16.008	N	61.499		W	154	*	3.7	1.0	16	LEEWARD ISLANDS. MD 3.4 (TRN).
	12	08	39	57.0?		9.78	S	124.84		E	33	N	4.2	1.3	5	TIMOR REGION, INDONESIA
	12	09	25	12.4?		40.37	N	23.26		E	10	G		0.4	4	GREECE. MD 1.5 (THE).
	12	09	28	39.7%		39.238	N	27.686		E	10	G		0.5	5	TURKEY
	12	09	44	52.8*		31.894	S	71.680		W	33	N		0.9	13	NEAR COAST OF CENTRAL CHILE
	12	09	45	06.3%		42.886	N	12.732		E	10	G		0.5	8	CENTRAL ITALY
	12	09	45	18.3?		19.52	N	104.06		W	10	G		1.3	7	NEAR COAST OF JALISCO, MEXICO
	12	09	48	00.7		8.376	S	105.510		E	33	N	4.8	0.7	15	SOUTH OF JAWA, INDONESIA
	12	10	03	57.4%		42.714	N	12.025		E	10	G		0.6	5	CENTRAL ITALY
	12	11	45	34.4?		42.44	N	23.90		E	10	G		1.0	5	BULGARIA. MD 2.4 (THE).
a	12	11	56	53.6		17.798	N	101.613		W	32	D	5.1 4.6	1.3	120	NEAR COAST OF GUERRERO, MEXICO. Felt at Ixtapa, Zihuotanejo and Mexico City.
	12	12	28	20.4?		42.42	N	24.03		E	10	G		1.0	8	BULGARIA MD 2.5 (THE).
	12	12	55	16.8%		42.743	N	19.159		E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	12	13	28	43.0%		45.532	N	0.018		E	10	G		1.2	11	FRANCE
	12	14	18	16.2&		61.039	N	151.298		W	58				72	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).
	12	15	03	25.1&		64.824	N	147.345		W	13				26	CENTRAL ALASKA <AEIC>. ML 2.5 (AEIC).
	12	15	55	11.0		40.588	N	35.805		E	10	G	4.5	1.3	54	TURKEY. Felt at Amasya.
	12	15	59	48.2		40.550	N	35.864		E	11		4.9 4.7	1.2	183	TURKEY Some damage in the Corum-Samsun-Amasya area. Also felt at Yozgat.
	12	16	22	26.1%		40.470	N	23.652		E	10	G		0.8	7	GREECE. MD 2.3 (THE).
a	12	17	06	23.7		16.222	S	173.071		W	48	D	5.1 5.2	1.2	97	TONGA ISLANDS
	12	17	28	21.4?		17.05	N	94.74		W	33	N		1.6	8	CHIAPAS, MEXICO
	12	17	33	10.3*		55.551	S	26.811		W	33	N	5.0 4.5	0.6	12	SOUTH SANDWICH ISLANDS REGION
	12	18	44	13.3		12.265	N	89.735		W	33	N	3.6	0.2	6	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.
	12	19	11	26.9		40.771	N	21.149		E	10	G		1.0	11	GREECE. MD 2.4 (THE).
	12	19	40	36.2*		6.364	S	146.900		E	10	G	4.0	0.8	5	EASTERN NEW GUINEA REG., P.N.G. ML 4.5 (PMG).
	12	19	46	23.1*		46.080	N	14.219		E	10	G		0.3	5	NORTHWESTERN BALKAN REGION. MD 2.5 (LJU), 2.0 (TRI). ML 1.9 (VIE).
	12	19	47	02.8		40.411	S	176.548		E	33	N	3.7	0.9	23	NORTH ISLAND, NEW ZEALAND
	12	20	05	49.7		35.776	N	4.874		W	92	?		1.1	18	STRAIT OF GIBRALTAR. MD 3.0 (RBA). mbLg 3.2 (MDD).
	12	20	50	39.9%		37.990	N	16.012		E	10	G		0.8	12	IONIAN SEA
	12	20	56	23.8?		15.14	N	60.46		W	32	*		0.1	7	LEEWARD ISLANDS. ML 2.6 (FDF).
	12	21	43	28.6*		25.285	N	126.306		E	33	N	4.3	1.3	15	RYUKYU ISLANDS
	12	21	53	01.0&		62.601	N	151.270		W	99				52	CENTRAL ALASKA. <AEIC>.
	12	22	53	26.4?		13.73	N	89.16		W	71		4.4	1.2	9	EL SALVADOR. Felt (II) at San Salvador.
f	13	01	29	13.1		15.894	S	166.318		E	10	G	6.1 6.8	1.2	381	VANUATU ISLANDS. Ms 7.1 (BRK). Mo=4.0*10**19 Nm (PPT). Felt at Port Vila. Two events about 10.5 seconds apart. Depth from broadband displacement seismograms, based on second event
	13	01	41	42.9*		16.031	S	166.518		E	33	N	4.8	1.3	19	VANUATU ISLANDS
	13	01	43	49.2?		32.12	S	71.54		W	33	N		0.5	8	NEAR COAST OF CENTRAL CHILE
	13	02	23	59.3*		82.444	N	17.672		W	10	G	4.2	0.9	18	NEAR NORTH COAST OF GREENLAND
	13	02	28	26.2?		4.91	S	143.32		E	142	?	4.3	0.2	5	NEW GUINEA, PAPUA NEW GUINEA

	13	02	31	24.2*	27.983	S	66.654	W	227	?			1 0	12	CATAMARCA PROVINCE, ARGENTINA
a	13	02	38	18.4	53.597	N	165 734	W	44	D	5.4	5.7	0 9	323	FOX ISLANDS ALEUTIAN ISLANDS. ML 5.4 (PMR). Felt (V) at Akutan and Dutch Harbor Felt (IV) at Unalaska
	13	03	17	58 4%	45.025	N	6.750	E	5	G			0.5	5	FRANCE ML 1.7 (GEN)
	13	03	25	42 0*	15.872	S	166 445	E	33	N	4	5	1.4	15	VANUATU ISLANDS
	13	05	01	21.4%	31.281	S	68.078	W	10	G			0 0	5	SAN JUAN PROVINCE, ARGENTINA
	13	06	14	33.2	22.992	S	178.580	W	383	D	4.7		1.2	68	SOUTH OF FIJI ISLANDS
	13	06	18	24.5&	58.585	N	152.161	W	15					36	KODIAK ISLAND REGION <AEIC> ML 2.7 (AEIC).
	13	07	16	47 4%	40.760	N	21 431	E	10	G			0 3	6	GREECE MD 2.1 (THE)
	13	08	08	56 4	20.139	N	145.385	E	150	D	4.5		0 9	33	MARIANA ISLANDS
	13	08	41	47.3?	40.60	N	29.85	E	5	G			0 4	4	TURKEY
	13	09	05	44.2%	38.419	S	175.837	E	203	?			0.2	17	NORTH ISLAND, NEW ZEALAND
	13	09	18	06.1%	40.395	N	23.334	E	10	G			0.7	8	GREECE. MD 1.8 (THE)
	13	10	13	31.0*	38.183	N	21.869	E	10	G			0.9	9	GREECE MD 3.0 (ATH), 2.7 (THE).
	13	10	46	41.5?	16.04	S	173.71	W	47	D	4.6		1.0	21	TONGA ISLANDS
	13	10	49	34.5	42.563	S	174.924	E	74	*			0.6	45	OFF E. COAST OF S. ISLAND, N.Z.
	13	10	52	42.0*	36.516	N	28.710	E	10	G			1.2	11	DODECANESE ISLANDS. MD 3.8 (ATH).
	13	11	55	06.8	40.473	N	21.865	E	10	G			0.8	7	GREECE. MD 1.8 (THE)
	13	12	02	17.8%	43.103	N	0.604	W	5	G			0.1	5	PYRENEES. ML 1.0 (STR)
	13	12	15	09.6*	38.392	N	75.357	E	33	N	4.3		0.9	13	SOUTHERN XINJIANG, CHINA
	13	12	36	59.9	41.613	N	22.284	E	10	G			1.1	14	NORTHWESTERN BALKAN REGION. MD 2.2 (THE). ML 2.1 (SKO).
	13	12	54	19.7?	51.52	N	16.28	E	10	G	3.7		0.3	6	POLAND
	13	13	12	24.0*	27.872	S	74.101	E	10	G	5.1	4.6	0.8	30	MID-INDIAN RIDGE
	13	14	37	34.6?	38.56	N	26.72	E	10	G			0.7	4	AEGEAN SEA
	13	14	39	25.6*	42.755	N	23.120	E	10	G			1.1	9	BULGARIA. MD 2.6 (THE).
	13	15	31	17.4?	40.94	N	24.30	E	10	G			1.0	5	AEGEAN SEA. MD 2.1 (THE).
	13	15	36	40.5?	38.45	N	21.70	E	10	G			1.1	12	GREECE. MD 2.6 (THE)
	13	15	45	41.9*	43.442	N	150.407	E	33	N	4.7		1.1	29	EAST OF KURIL ISLANDS
	13	16	58	05.8?	13.71	N	90.21	W	91	*	3.8		0.8	7	NEAR COAST OF GUATEMALA. Felt (II) at San Salvador, El Salvador.
	13	17	24	25.1?	37.25	S	177.60	E	231	?			0.8	13	OFF E. COAST OF N. ISLAND, N.Z.
	13	17	28	21.9*	24.351	S	67.025	W	168	*	4.1		1.4	14	CHILE-ARGENTINA BORDER REGION
	13	18	18	42.4%	38.775	N	15.033	E	10	G			1.1	6	SICILY
	13	18	30	02.7%	41.671	N	13.816	E	10	G			0.3	5	SOUTHERN ITALY
	13	18	36	05.6	41.052	N	22.480	E	10	G			0.9	9	NORTHWESTERN BALKAN REGION. MD 1.8 (THE)
	13	18	36	41.1	41.061	N	22.515	E	10	G			0.4	8	NORTHWESTERN BALKAN REGION. MD 1.8 (THE).
	13	18	41	27.6?	40.70	N	29.02	E	10	G			1.0	4	TURKEY
	13	18	44	45.7%	40.462	N	22.731	E	5	G			0.4	7	GREECE. MD 1.6 (THE).
	13	18	55	35.4?	18.12	N	100.79	W	87	?	3.4		0.6	5	GUERRERO, MEXICO
	13	19	53	30.8%	37.759	N	15.230	E	10	G			0.8	5	SICILY
	13	20	17	01.3	39.692	N	21.632	E	10	G			0.8	13	GREECE. MD 2.4 (THE)
	13	20	41	24.5%	42.359	N	18.983	E	10	G			0.2	8	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
	13	20	58	50.5?	9.35	N	84.58	W	33	N	4.2		0.8	7	COSTA RICA. MD 4.4 (SJR). Felt (IV) in the Central Valley.
	13	21	57	13.0	40.854	N	21.178	E	10	G			1.4	11	GREECE. MD 2.2 (THE).
	13	22	10	42.3%	61.817	N	4.756	E	5	G			0.5	6	SOUTHERN NORWAY MD 1.9 (BER).
	13	22	16	27.9	40.764	N	21.131	E	10	G			0.4	8	GREECE. MD 2.1 (THE).
	13	22	37	33.9*	45.336	N	14.413	E	5	G			1.2	5	NORTHWESTERN BALKAN REGION. MD 2.6 (LJU), 2.1 (TRI). Felt at Rijeka, Croatia.
	13	22	43	34.1	32.637	N	76.514	E	33	N	4.6		1.1	20	KASHMIR-INDIA BORDER REGION
	13	23	16	06.0	40.298	S	173.058	E	33	N			1.1	27	COOK STRAIT, NEW ZEALAND
	13	23	58	57.5	38.394	N	31.147	E	9		3.6		0.8	41	TURKEY. ML 4.0 (CSS). Felt in the Lake Hayran area.
	14	00	59	47.7*	17.870	S	178.451	W	550	G	5.2		0.9	9	FIJI ISLANDS REGION
	14	02	31	50.7*	33.034	N	137.742	E	330	*	4.3		0.9	26	NEAR S. COAST OF HONSHU, JAPAN
	14	03	27	40.9	39.909	N	33.944	E	16		4.2		1.2	51	TURKEY. Felt at Corkiri.
	14	03	30	26.9%	42.200	N	13.177	E	10	G			0.3	7	CENTRAL ITALY
	14	05	02	09.0	40.682	N	21.496	E	10	G			0.9	28	GREECE. MD 3.4 (ATH), 3.0 (THE). ML 3.1 (TTG).
	14	05	12	16.1%	40.780	N	21.534	E	5	G			0.7	6	GREECE. MD 1.9 (THE).
	14	05	34	50.2*	44.513	N	114.061	W	5	G			0.6	11	WESTERN IDAHO. ML 2.8 (GS), 3.0 (BUT).
	14	05	43	35.0&	40.390	N	124.588	W	15					5	NEAR COAST OF NORTHERN CALIF <BRK>. ML 3.0 (BRK).
	14	05	46	26.4*	17.972	N	102.424	W	72	?	3.3		1.4	13	NEAR COAST OF MICHOACAN, MEXICO
	14	06	11	47.0*	20.812	N	122.382	E	33	N	4.3		1.3	12	PHILIPPINE ISLANDS REGION
	14	06	24	00.2	42.227	N	142.825	E	80		3.6		1.0	12	HOKKAIDO, JAPAN REGION
	14	06	59	19.1	40.689	N	21.124	E	10	G	3.7		1.0	45	GREECE. ML 4.1 (SKO), 3.7 (TTG). MD 3.4 (THE).
	14	07	20	48.2?	40.96	N	24.34	E	10	G			1.0	7	AEGEAN SEA. MD 2.3 (THE).
	14	07	23	25.8&	38.813	N	122.458	W	2					18	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
a	14	08	18	25.7	53.897	N	108.866	E	21	D	5.3	5.3	1.0	189	LAKE BAYKAL REGION, RUSSIA. Felt (IV) at Suva; (III) at Irkutsk and Ulan-Ude.
	14	09	13	58.6	5.835	S	149.200	E	116		5.3		0.8	44	NEW BRITAIN REGION, P.N.G.
	14	09	29	28.3?	10.62	S	120.50	E	33	N	4.1		1.5	6	SUMBA REGION, INDONESIA
	14	10	00	50.4?	31.27	S	68.53	W	125	?			1.0	5	SAN JUAN PROVINCE, ARGENTINA
	14	10	12	56.6%	39.103	N	29.032	E	10	G			0 5	10	TURKEY
	14	11	01	19.9*	53.862	N	109.092	E	33	N	4.1		1.3	15	LAKE BAYKAL REGION, RUSSIA
	14	11	16	59.6?	41.17	N	0.11	E	10	G			0.7	4	SPAIN. mbLg 2.4 (MDD).
	14	11	27	45.1%	43.102	N	0.655	W	10	G			0.1	7	PYRENEES. ML 1.0 (STR).
	14	11	58	40.5	45.790	N	14.891	E	10	G			1.1	40	NORTHWESTERN BALKAN REGION. ML 3.4 (ZAG), 3.4 (VIE). MD 3.4 (TRI). Felt (V) at Zuzemberk, Slovenia
a	14	12	02	03.0	4.382	S	146.338	E	42	D	5.2	5.2	1.0	67	EASTERN NEW GUINEA REG., P.N.G. Mo=1.3*10**18 Nm (PPT).
	14	12	29	58.0&	59.957	N	152.766	W	107					75	SOUTHERN ALASKA. <AEIC>.
	14	12	44	40.7?	41.59	N	22.33	E	10	G			0.8	5	NORTHWESTERN BALKAN REGION. ML 2.0 (SKO).
	14	12	57	17.7%	40.871	N	22.949	E	10	G			0.6	5	GREECE. MD 1.5 (THE).
	14	13	12	35.3?	3.86	S	119.67	E	33	N	4.3		0.7	9	SULAWESI, INDONESIA
	14	13	13	32.5?	45.86	N	14.99	E	10	G			0.1	4	NORTHWESTERN BALKAN REGION
	14	13	24	38.2*	15.358	N	61.441	W	10	G			0.1	5	LEEWARD ISLANDS. ML 2.1 (FDF).
	14	14	16	06.8?	20.05	S	172.60	W	33	N	4.9		1.2	13	TONGA ISLANDS REGION
	14	14	20	40.2%	38.019	N	14.500	E	10	G			0.4	7	SICILY
	14	14	22	09.2?	16.24	S	179.69	W	33	N			0.9	9	FIJI ISLANDS REGION. MD 4.1 (SVA).
	14	14	56	23.0?	18.18	N	67.14	W	33	N			0.8	8	MONA PASSAGE
	14	14	57	39.2?	5.19	S	103.92	E	33	N	4.3		1.1	9	SOUTHERN SUMATERA, INDONESIA
	14	15	03	59.4%	16.059	N	97.188	W	33	N			1.0	7	OAXACA, MEXICO
	14	15	06	44.8?	16.78	N	61.15	W	33	N			0.4	5	LEEWARD ISLANDS. ML 2.5 (FDF).
a	14	16	10	38.0	15.980	S	166.556	E	21	D	5.3		1.1	103	VANUATU ISLANDS
	14	16	30	00.6	39.029	N	35.775	E	10	G	3.9		1.2	33	TURKEY Felt at Kayseri.

a	14	16	32	35.9	7.644	S	146.835	E	13	D	5.3	1.4	71	EASTERN NEW GUINEA REG., P.N.G. ML 5 7 (PMG).
	14	16	51	33.7?	30.79	S	178.94	W	303	?	4.3	1.4	10	KERMADEC ISLANDS, NEW ZEALAND
	14	16	57	32.2?	14.78	N	60.80	W	33	N		0.2	4	WINDWARD ISLANDS
	14	16	58	59.6*	7.678	S	146 913	E	33	N	4.2	1.6	6	EASTERN NEW GUINEA REG., P.N.G. ML 4.2 (PMG).
	14	17	28	23.0&	26.420	S	27.430	E	5	G			2	REPUBLIC OF SOUTH AFRICA. <MACRO>. mbLg 3.4 (BUL). Four people killed and 4 others injured at the Western Deep Levels South Mine near Carltonville.
	14	17	47	17.8?	47.89	N	0 92	W	5	G		0.1	4	FRANCE
	14	19	47	47.5?	51.69	N	6.99	E	10	G		0.9	6	GERMANY. MD 2.6 (UCC). ML 2.1 (BNS).
	14	20	22	28.7%	40.423	N	16 224	E	10	G		0.8	6	SOUTHERN ITALY
	14	21	40	56.0	40.475	N	23.615	E	10	G		0.6	12	GREECE. MD 2.2 (THE).
	14	23	04	23.7%	40.555	N	23.692	E	10	G		0.4	6	GREECE. MD 1.7 (THE).
	14	23	24	15.0%	40.545	N	23.684	E	10	G		0.4	5	GREECE. MD 1.5 (THE).
	14	23	24	30.3%	40.553	N	23.721	E	10	G		0.6	9	GREECE. MD 2.4 (THE).
	14	23	25	23.3%	40.568	N	23.708	E	10	G		0.7	7	GREECE. MD 2.0 (THE).
	14	23	43	09.7*	17.602	N	102.050	W	53	*	3.7	1.3	19	NEAR COAST OF MICHOACAN, MEXICO
	15	00	28	54.7	40.513	N	23.611	E	10	G		1.1	14	GREECE. MD 2.4 (THE).
	15	00	31	41.0	40.558	N	23.709	E	10	G		0.8	9	GREECE. MD 2.5 (THE).
	15	00	35	52.0%	40.556	N	23.696	E	10	G		0.3	7	GREECE. MD 2.0 (THE).
	15	01	47	53.3%	40.577	N	23.731	E	10	G		0.6	7	GREECE. MD 1.8 (THE).
	15	01	53	06.7%	40.523	N	23.621	E	10	G		0.9	7	GREECE. MD 1.5 (THE).
	15	02	39	33.7&	67.018	N	146.703	W	10	G			23	NORTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR).
	15	03	33	52.8*	44.532	N	114.006	W	5	G		0.6	11	WESTERN IDAHO. ML 3.1 (BUT).
	15	04	31	55.3?	4.02	S	146.49	E	33	N	4.5	1.1	6	EASTERN NEW GUINEA REG., P.N.G. ML 4.5 (PMG).
	15	04	52	04.7	75.918	N	125.210	E	17	D	5.0 4.4	0.9	76	LAPTEV SEA
	15	05	05	31.1%	40.512	N	22.757	E	5	G		0.5	8	GREECE. MD 1.5 (THE).
	15	06	47	24.0*	35.845	N	10.769	W	10	G		0.8	9	NORTH ATLANTIC OCEAN. MD 3.1 (RBA). mbLg 2.8 (MDD).
	15	07	02	20.7%	40.300	N	22.256	E	5	G		0.7	10	GREECE. MD 2.1 (THE).
	15	07	03	00.1	50.143	N	129.682	W	10	G	4.4 4.0	0.9	120	VANCOUVER ISLAND REGION
	15	07	19	40.0&	49.890	N	129.943	W	10	G	3.7		9	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.4 (PGC)
	15	07	42	58.7&	56.355	N	120.741	W	5	G			8	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.4 (PGC). Felt (IV) at Fort St. John.
	15	08	14	08.2*	37.713	N	72.108	E	33	N	4.4	1.0	10	TAJIKISTAN
	15	08	25	00.8%	38.588	N	15.736	E	10	G		0.6	7	SICILY
	15	08	52	08.5%	47.461	N	2.919	W	10	G		0.6	9	FRANCE
	15	08	57	44.6?	43.37	N	18.54	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	15	08	59	01.2%	19.300	N	102.974	W	33	N		0.4	5	MICHOACAN, MEXICO
	15	09	31	43.4	44.301	N	7.320	E	10	G		0.4	15	NORTHERN ITALY. ML 1.9 (GEN).
	15	09	59	02.1%	40.660	N	22.982	E	5	G		0.6	8	GREECE. MD 1.9 (THE).
	15	10	46	04.1&	59.830	N	151.711	W	56				39	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	15	11	36	10.2	19.281	S	177.955	W	485	D	4 9	1.0	90	FIJI ISLANDS REGION
	15	11	37	34.9&	57.606	N	152.751	W	0				74	KODIAK ISLAND REGION. <AEIC>. ML 3.5 (AEIC), 3.7 (PMR). Felt (III) at Larsen Bay and Port Lions.
	15	11	42	44.0?	9.41	S	117.61	E	33	N	4.7	1.2	9	SUMBAWA REGION, INDONESIA
	15	12	41	49.0	40.500	N	23.646	E	10	G		0.8	10	GREECE. MD 2.3 (THE).
	15	12	52	51.7*	42.803	N	46.524	E	15	D	4.9	1.6	110	EASTERN CAUCASUS. Felt (IV) at Groznyy and (III) at Makhachkala.
	15	13	30	02.4&	63.453	N	150.912	W	15				69	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
	15	13	30	32.0*	42.462	N	46.493	E	33	N	4.0	1.7	17	EASTERN CAUCASUS
	15	13	37	40.1	42.934	N	46.548	E	33	N	4.2	1.2	41	EASTERN CAUCASUS
	15	14	13	00.6%	31.160	S	68.704	W	90	G		0.8	6	SAN JUAN PROVINCE, ARGENTINA
	15	14	36	20.2&	37.688	N	121.590	W	16				28	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Ma=1.1*10**15 Nm (BRK). Felt (III) at Livermore, Modesto, Sunol and Tracy.
	15	14	45	51.6%	43.017	N	18.741	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	15	14	51	04.1	38.022	S	176.530	E	195	*		0.6	25	NORTH ISLAND, NEW ZEALAND
	15	15	18	04.2*	41.434	N	46.184	E	33	N	4.2	1.0	16	EASTERN CAUCASUS
	15	16	06	07.7	45.638	N	151.363	E	33	N	4.9	0.8	44	KURIL ISLANDS
	15	16	14	51.5?	44.89	N	7.88	E	10	G		0.8	5	NORTHERN ITALY. ML 1.8 (GEN).
	15	17	22	25.6?	32.05	S	68.87	W	10	G		0.8	4	MENDOZA PROVINCE, ARGENTINA
	15	17	30	20.6?	46.15	N	149.40	E	33	N	4.0	1.5	10	KURIL ISLANDS
	15	18	07	36.0*	54.862	N	159.430	W	33	N	4.0	1.1	18	SOUTH OF ALASKA
	15	18	10	25.4	30.917	S	70.270	W	143	*		0.7	19	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
	15	18	47	55.5*	16.087	N	88.506	W	33	N	4.5	1.2	29	BELIZE
	15	18	51	09.7*	20.124	N	93.760	E	33	N	3.8	1.3	8	MYANMAR
	15	19	25	41.5?	19.96	S	178.10	W	661	?	4.6	1.2	36	FIJI ISLANDS REGION
	15	21	52	24.8?	28.69	S	68.15	W	159	?		0.4	8	LA RIDJA PROVINCE, ARGENTINA
	15	22	48	56.1	48.215	N	7.160	E	10	G		0.3	8	FRANCE. ML 1.9 (STR).
	15	23	58	48.5	43.098	N	0.445	W	10	G		0.2	8	PYRENEES. ML 1.2 (STR).
	16	00	56	48.8%	42.821	N	19.090	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
	16	01	04	11.5*	44.540	N	114.005	W	5	G		0.9	8	WESTERN IDAHO. ML 2.8 (GS).
	16	01	32	11.0?	18.68	N	67.13	W	33	N		0.4	6	MONA PASSAGE
	16	01	32	52.6%	39.980	N	16.025	E	10	G		0.7	5	SOUTHERN ITALY
	16	03	32	02.2&	50.976	N	130.589	W	10	G	3.2		6	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.3 (PGC).
	16	04	08	50.7?	11.69	N	143.77	E	33	N	4.4	0.5	6	SOUTH OF MARIANA ISLANDS
	16	06	10	03.9%	37.631	N	1.360	W	10	G		0.1	5	SPAIN. mbLg 2.8 (MDD). Felt (II) in the Mozarron area.
	16	06	39	19.7*	14.920	N	147.786	E	33	N	3.9	0.3	8	MARIANA ISLANDS REGION
	16	07	45	50.0*	31.801	S	68.129	W	114	?		0.5	7	SAN JUAN PROVINCE, ARGENTINA
	16	08	06	55.1%	42.708	N	18.145	E	5	G		0.3	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	16	09	07	22.1?	46.48	N	2.98	E	5	G		0.0	4	FRANCE
	16	09	19	47.0*	37.718	N	21.430	E	10	G		1.4	9	SOUTHERN GREECE. ML 3.2 (ATH).
	16	09	27	47.9%	44.447	N	7.283	E	10	G		0.4	5	NORTHERN ITALY. ML 1.6 (GEN).
	16	09	32	24.0?	40.57	N	22.00	E	10	G		0.1	4	GREECE
	16	11	00	51.2	39.582	S	174.133	E	244			0.5	45	NORTH ISLAND, NEW ZEALAND
	16	12	26	59.8	18.964	N	121.239	E	33	N	4.8	1.0	28	LUZON, PHILIPPINE ISLANDS
	16	12	43	15.7	6.633	S	130.264	E	100	*	4.7	0.8	29	BANDA SEA
	16	15	34	29.3	42.181	N	18.873	E	10	G		0.3	8	NORTHWESTERN BALKAN REGION. ML 2.5 (TTG).
	16	16	13	24.8%	38.788	N	15.289	E	10	G		0.8	6	SICILY
	16	16	22	45.2	50.232	N	12.454	E	10	G		0.3	8	GERMANY. ML 2.0 (GRF).
	16	19	59	43.6%	38.543	N	0.966	W	10	G		1.7	5	SPAIN. mbLg 2.8 (MDD). Felt (III) in the Caudete area.
	16	20	23	50.0&	44.783	N	112.343	W	5				13	EASTERN IDAHO. <BUT>. ML 3.2 (BUT), 3.2 (GS).
	16	20	58	57.2*	55.141	S	28.361	W	33	N	5.0	1.1	13	SOUTH SANDWICH ISLANDS REGION
	16	23	28	30.7%	32.739	S	68.152	W	33	N		1.7	5	MENDOZA PROVINCE, ARGENTINA

	16	23	54	02	3%	34	681	N	137.645	E	33	N	
f	17	00	01	56.6		79.191	N		124.482	E	10	G	5.9 5 6
	17	00	23	21.2?		17.55	S		172.20	E	33	N	4.8
	17	00	33	39.3		39.968	N		20.634	E	10	G	
	17	01	22	29.4		52.404	N		0.094	W	10	G	
	17	01	32	30.5&		44.770	N		112.353	W	10		
	17	01	45	02.3		18.807	N		64.329	W	72	*	
	17	01	59	21.7?		36.88	S		176.74	E	317	?	
	17	02	50	31.7		38.330	N		22.284	E	10	G	
	17	03	53	42.6*		39.108	N		20.464	E	10	G	
a	17	04	37	31.4		55.979	S		158.123	E	33	N	5.5 5.5
a	17	04	42	08.4		21.647	S		170.412	E	137	D	5.6
	17	06	44	51.4		2.122	S		128.381	E	30	D	5.2
	17	07	42	37.9?		14.58	N		60.70	W	33	N	
	17	08	44	44.6		40.553	S		176.383	E	99		4.3
	17	08	54	05.3		47.437	N		153.975	E	33	N	5.0 4.3
	17	09	09	05.1*		30.215	N		70.726	E	33	N	4.0
	17	09	30	04.1		43.418	N		5.430	E	10	G	
	17	09	33	22.4&		59.736	N		152.975	W	95		
	17	09	38	25.9*		43.625	N		147.535	E	33	N	4.3
	17	10	13	31.3?		32.62	S		71.83	W	33	N	
	17	10	19	16.1		34.752	N		23.888	E	33	N	4.5
	17	10	51	34.9&		60.449	N		143.630	W	9		
	17	11	00	58.7*		44.691	N		22.424	E	10	G	
	17	11	04	31.6%		17.926	N		66.594	W	10	G	
	17	11	10	40.6*		39.025	N		22.454	E	10	G	
	17	11	33	11.3%		40.504	N		22.254	E	10	G	
	17	11	34	00.6?		39.95	N		77.44	E	33	N	3.5
	17	11	40	19.8?		38.71	N		15.40	E	10	G	
	17	12	16	17.7?		18.04	S		179.68	W	650	G	5.0
	17	14	13	55.2		33.513	N		141.000	E	44	D	4.9
	17	14	15	34.9%		40.445	N		23.056	E	10	G	
	17	14	31	16.5*		45.301	N		153.125	E	33	N	4.8
	17	16	24	47.9*		22.253	S		69.128	W	198	?	
	17	16	52	40.8		44.497	N		114.768	W	5	G	
	17	17	18	57.7		40.671	N		21.840	E	10	G	
	17	18	00	26.4*		44.170	N		113.926	W	5	G	
	17	18	16	04.8*		31.378	S		69.157	W	124	?	
	17	18	17	10.9?		34.87	N		3.52	W	10	G	
	17	18	27	29.5*		36.553	S		177.264	E	310	*	4.3
	17	19	23	14.0		46.754	N		9.481	E	10	G	
	17	19	44	39.0?		47.44	N		152.42	E	33	N	3.7
	17	19	56	55.4*		45.206	N		151.549	E	33	N	4.8
	17	20	38	03.7&		60.685	N		152.024	W	81		
	17	21	27	26.9?		44.39	N		152.72	E	33	N	4.6
	17	21	43	49.4*		0.697	N		126.672	E	33	N	4.8
	17	21	53	55.9*		36.634	N		11.741	W	10	G	
	17	22	19	44.1*		8.724	S		124.052	E	33	N	4.3
	17	22	27	07.7*		22.732	S		68.899	W	194	?	
	18	00	06	34.7*		37.357	S		176.770	E	292	*	
	18	00	15	40.5?		46.79	N		0.91	W	5	G	
	18	00	16	27.3		39.878	N		24.332	E	10	G	4.2
	18	01	32	33.4		30.909	S		65.437	W	190		4.3
	18	01	39	40.9*		41.477	N		43.464	E	33	N	4.5
	18	03	30	09.8		42.450	N		14.275	E	10	G	3.7
	18	04	09	57.4%		46.214	N		2.635	E	13		
	18	04	46	11.7?		39.72	N		23.84	E	10	G	
	18	05	05	10.3?		15.76	N		61.49	W	117	?	
	18	05	38	43.1?		15.75	N		97.90	W	33	N	
	18	06	34	16.3%		60.534	N		4.236	E	10	G	
	18	06	44	38.9		46.468	N		14.659	E	10	G	
	18	08	37	24.4*		21.002	S		68.757	W	126	*	4.4
	18	09	20	29.6		42.863	N		12.597	E	12		
	18	10	09	34.7		72.080	N		1.850	W	10	G	4.6
	18	10	27	09.0		40.000	S		174.108	E	151	D	5.2
	18	11	16	15.2		25.017	N		119.677	E	33	N	4.5
	18	12	42	39.0		41.371	S		172.320	E	10	G	
	18	13	03	05.8%		44.614	N		7.217	E	10	G	
	18	13	56	34.6&		63.288	N		151.518	W	10		
	18	13	57	24.4&		32.495	N		117.064	W	6	G	
	18	16	02	55.3*		32.522	S		71.539	W	33	N	
	18	17	07	39.5?		31.17	S		179.60	W	489	?	5.0
	18	20	49	01.8		30.656	N		141.747	E	48	D	4.6
	18	21	28	45.9*		28.004	S		66.443	W	198	?	
	18	21	46	50.8%		43.229	N		18.949	E	10	G	
	18	22	17	36.0?		5.63	S		147.37	E	164	*	4.3
	19	00	41	08.8%		39.963	N		23.586	E	10	G	
	19	00	51	28.1%		61.264	N		4.868	E	10	G	
	19	02	56	08.4*		33.482	N		14.242	W	10	G	3.3

0.8	6	NEAR S. COAST OF HONSHU, JAPAN
1 0	437	EAST OF SEVERNAYA ZEMLYA, RUSSIA. Mo=2.5*10**18 Nm (PPT)
1.1	23	VANUATU ISLANDS REGION
0 6	9	GREECE-ALBANIA BORDER REGION
1 0	56	UNITED KINGDOM. ML 3.4 (BGS). Felt (IV) in the Peterborough area.
	28	EASTERN IDAHO. <BUT>. ML 4.0 (BUT), 4.0 (GS). Felt at Limo, Montana and in the area east of Dell, Montana.
0 ?	22	VIRGIN ISLANDS. MD 4.0 (TRN).
0 4	21	OFF E. COAST OF N. ISLAND, N.Z.
1.3	15	GREECE. MD 3.2 (ATH).
0.9	15	GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH).
1.4	66	MACQUARIE ISLANDS REGION
1.3	173	LOYALTY ISLANDS REGION. Mo=4.0*10**18 Nm (PPT). Felt on Mare.
1.3	36	CERAM SEA
0.1	4	WINDWARD ISLANDS
0.8	42	NORTH ISLAND, NEW ZEALAND
0.7	92	KURIL ISLANDS
1.4	9	PAKISTAN
1.0	17	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
	68	SOUTHERN ALASKA. <AEIC>.
1.3	16	KURIL ISLANDS
0.9	12	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
1.1	97	CRETE. MD 4.3 (HLW), 4.2 (ATH).
	24	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
1.1	9	ROMANIA
0.3	7	PUERTO RICO REGION
1.1	8	GREECE
0.2	6	GREECE
0.7	8	SOUTHERN XINJIANG, CHINA
0.4	4	SICILY
1.0	33	FIJI ISLANDS REGION
1.1	60	OFF EAST COAST OF HONSHU, JAPAN
0 7	8	GREECE
1.1	28	EAST OF KURIL ISLANDS
1.7	6	NORTHERN CHILE
0.7	54	WESTERN IDAHO. ML 4.3 (GS), 4.3 (BUT).
0.9	14	GREECE. ML 2.5 (SKO).
1.2	10	EASTERN IDAHO ML 3.1 (GS), 3.2 (BUT).
0.8	7	SAN JUAN PROVINCE, ARGENTINA
1.8	10	MOROCCO. MD 3.8 (RBA). mbLg 3.0 (MDD).
0.9	29	OFF E. COAST OF N. ISLAND, N.Z.
1.1	105	SWITZERLAND. ML 4.5 (FUR), 4.2 (VIE). MD 3.8 (TRI).
1.1	8	KURIL ISLANDS
0.9	36	KURIL ISLANDS
	10	SOUTHERN ALASKA. <AEIC>.
1.7	13	EAST OF KURIL ISLANDS
1.2	10	NORTHERN MOLUCCA SEA
0.7	16	NORTH ATLANTIC OCEAN. MD 3.5 (RBA). mbLg 3.4 (MDD).
1.0	17	TIMOR REGION, INDONESIA
0.8	9	NORTHERN CHILE
0.7	31	NORTH ISLAND, NEW ZEALAND
1.6	6	FRANCE
1.3	44	AEGEAN SEA. ML 4.4 (ATH).
1.2	50	CORDOBA PROVINCE, ARGENTINA
1.5	6	GEORGIA-ARMENIA-TURKEY BORD REG. Felt (IV) in the Amasya District and (III) at Leninakan, Armenia.
1.2	106	CENTRAL ITALY. MD 4.1 (TRI). ML 3.8 (ROM). 3.7 (TTG)
0.6	11	FRANCE
0.0	4	AEGEAN SEA
0.4	7	LEEWARD ISLANDS
0.4	6	NEAR COAST OF OAXACA, MEXICO
1.3	6	SOUTHERN NORWAY. MD 1.9 (BER).
1.3	9	NORTHWESTERN BALKAN REGION. ML 2.8 (VIE). MD 2.7 (TRI), 2.6 (LJU). Felt (IV) at Eberndorf, Austria.
1.3	21	CHILE-BOLIVIA BORDER REGION
1.0	53	CENTRAL ITALY. MD 3.6 (TRI).
0.3	10	JAN MAYEN ISLAND REGION
1.4	80	COOK STRAIT, NEW ZEALAND
1.3	15	NEAR SOUTHEASTERN COAST OF CHINA. Felt on Haitan and Nanri. Also felt along the coast of Fujian Province.
0.9	23	SOUTH ISLAND, NEW ZEALAND
0.6	7	NORTHERN ITALY. ML 1.9 (GEN).
	81	CENTRAL ALASKA. <AEIC>. ML 4.0 (AEIC), 4.2 (PMR). Felt (III) at Skwentna.
	25	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.4 (PAS). Felt (IV) at Spring Valley and (III) at Dulzura, Imperial Beach, Lakeside, La Mesa, Lemon Grove, Santee and Tecate.
0.6	14	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN). Felt (IV) at Cancon, Limache, Puchuncavi, Quintero and Zapallar; (III) at La Ligua, Los Andes, Quillota and Valparaiso; (II) at San Felipe and Santiago.
1.3	44	KERMADEC ISLANDS REGION
0.7	25	SOUTH OF HONSHU, JAPAN
0.8	10	CATAMARCA PROVINCE, ARGENTINA
0.1	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
1.2	6	EASTERN NEW GUINEA REG., P.N.G.
0.3	5	AEGEAN SEA
0 5	5	SOUTHERN NORWAY. MD 1.6 (BER).
0.7	12	MADEIRA ISLANDS REGION. mbLg 4.0 (MDD).

	19	02 58 26.1*	71.959	N	1.638	W	10	G	4.3		1.6	14	JAN MAYEN ISLAND REGION
a	19	03 18 34.2	9.696	S	154.676	E	21	D	5.1	4.8	1.2	40	D'ENTRECASTEAUX ISLANDS REGION
	19	04 14 17.8	10.585	N	62 608	W	119		4.2		0.8	30	NEAR COAST OF VENEZUELA. MD 3.7 (TRN).
	19	04 46 55.5*	71.885	N	1 773	W	10	G	4.5		1.0	13	JAN MAYEN ISLAND REGION
	19	06 02 53.1	44.539	N	114 180	W	5	G			0.6	12	WESTERN IDAHO. ML 3.6 (GS), 3.6 (BUT).
	19	06 05 37.0*	29.015	S	68.397	W	100	G			1 3	9	SAN JUAN PROVINCE, ARGENTINA
	19	06 35 34.1?	18.04	N	145.14	E	189	?	4.6		0.6	13	MARIANA ISLANDS
	19	06 36 28.7?	41.81	N	12.83	E	10	G			0.2	4	SOUTHERN ITALY
	19	06 39 30.4	59.187	N	11.010	E	10	G			0.9	17	SOUTHERN NORWAY. ML 3.8 (NAO). MD 3.8 (BER). Felt (IV) in the Oslo area. Also felt in Sweden.
	19	06 40 42.7*	15.765	N	93.921	W	77	*	4.3		1 6	15	NEAR COAST OF CHIAPAS, MEXICO
	19	06 59 30.4?	44.60	N	7.24	E	10	G			0 1	4	NORTHERN ITALY. ML 1.5 (GEN).
	19	07 07 57.5	44.513	N	114.197	W	5	G			0.4	9	WESTERN IDAHO. ML 3.0 (GS), 3.2 (BUT).
	19	07 09 04.2?	0.74	S	23.47	W	10	G	4.5		0.6	8	CENTRAL MID-ATLANTIC RIDGE
	19	07 40 47.9*	44.522	N	114.001	W	5	G			1.1	8	WESTERN IDAHO. ML 3.0 (GS), 3.1 (BUT).
	19	08 17 21.8?	8.94	S	123.98	E	33	N	4.9		1.1	12	FLORES REGION, INDONESIA
	19	08 17 32.4%	40.480	N	23.551	E	10	G			0.6	7	GREECE
	19	09 37 16.9*	47.838	N	154.487	E	33	N	4.7	4.4	0.8	16	KURIL ISLANDS
	19	11 04 02.2&	36.028	N	117.892	W	3					19	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.5 (PAS).
	19	11 19 24.8&	36.026	N	117.889	W	3		3.7			62	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 4.1 (PAS), 4.0 (GS). Felt in the China Lake-Ridgecrest area.
a	19	11 36 56.3	28.038	N	142.519	E	30	D	5.4	5.1	1.0	175	BONIN ISLANDS REGION. Mo=6 3*10**17 Nm (PPT).
	19	11 45 29.7&	61.688	N	150.707	W	58					65	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.7 (PMR).
	19	12 05 10.2?	13.72	N	60.35	W	60	G			0.2	8	WINDWARD ISLANDS. MD 3.0 (TRN).
	19	12 19 32.7%	39.841	N	21.548	E	10	G			0.7	6	GREECE
	19	12 23 47.5&	36.031	N	117.892	W	3					17	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS).
	19	12 24 39.9&	36.032	N	117.890	W	3					41	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.9 (PAS), 3.5 (GS).
	19	12 27 14.5?	17.81	N	94.92	W	33	N			1.2	7	CHIAPAS, MEXICO
	19	13 45 16.5*	16.654	S	177.463	W	417	*	4.1		1.1	29	FIJI ISLANDS REGION
	19	14 35 17.9?.	33.08	S	72.12	W	10	G			0.3	9	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	19	14 47 04.6?	17.53	N	75.56	W	33	N			0.1	6	JAMAICA REGION. MD 3.7 (HOJ). Felt (II) at Kingston.
	19	15 12 26.6	34.277	N	25.717	E	23		4.6		1.1	123	CRETE. MD 4.2 (HLW).
	19	15 15 58.4*	28.693	S	71.367	W	46	*			1.2	20	NEAR COAST OF CENTRAL CHILE
	19	16 23 57.8&	36.029	N	117.891	W	3					16	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.4 (PAS), 3.3 (GS).
	19	17 42 05.2	43.182	N	127.212	W	10	G	4.0		0.5	77	OFF COAST OF OREGON
	19	18 02 55.9%	44.906	N	6.721	E	10	G			0.1	5	FRANCE. ML 1.9 (GEN).
	19	18 17 06.5&	36.027	N	117.894	W	3					23	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS), 2.4 (GS).
	19	18 49 47.6?	14.66	N	61.04	W	5	G			0.2	4	WINDWARD ISLANDS
	19	20 15 53.3	45.281	N	151.682	E	33	N	5.0		1.1	66	KURIL ISLANDS
	19	21 18 49.7?	44.40	N	7.42	E	10	G			0.1	4	NORTHERN ITALY. ML 1.4 (GEN).
	19	22 06 10.6	12.735	N	88.651	W	57	D	4.6		1 2	41	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.
	19	22 18 19.6?	34.45	S	70.85	W	80	G			0.3	7	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	19	22 40 01.9*	52.760	N	160.020	E	36	D	4.7		1.2	25	OFF EAST COAST OF KAMCHATKA
	19	23 00 15.0%	44.053	N	12.074	E	10	G			0 6	7	NORTHERN ITALY
	19	23 01 22.3%	44.022	N	12.028	E	10	G			0.7	6	NORTHERN ITALY
	19	23 13 03.7%	42.369	N	19.851	E	10	G			0.2	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	19	23 43 43.4?	17.84	S	116.02	W	10	G	4.7		0.9	24	SOUTHERN EAST PACIFIC RISE
	19	23 54 14.8%	46.695	N	9.559	E	10	G			0.6	7	SWITZERLAND
	20	00 08 54.3	37.482	N	21.127	E	10	G	3.8		1.3	38	SOUTHERN GREECE. ML 4.2 (ROM), 3.6 (ATH).
	20	00 36 12.8?	10.97	N	62.19	W	70	G			0.8	6	NEAR COAST OF VENEZUELA. MD 3.0 (TRN).
	20	01 07 36.3&	36.021	N	117.891	W	3					20	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.6 (PAS), 2.3 (GS).
	20	01 38 28.3?	45.11	N	7.51	E	10	G			0.6	4	NORTHERN ITALY. ML 1.4 (GEN).
	20	01 45 26.5	40.818	S	174.426	E	102				1.0	34	COOK STRAIT, NEW ZEALAND
	20	02 00 11.4*	29.869	N	142.230	E	33	N	4.5		0.8	14	SOUTH OF HONSHU, JAPAN
	20	02 30 02 0&	59.229	N	139.548	W	26					16	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	20	02 37 08.2%	38.458	N	13.524	E	10	G			0.8	7	SICILY
	20	03 01 57.3&	61.845	N	149.678	W	11					56	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
	20	03 05 55.7	41.966	N	20.182	E	5	G			0.7	11	ALBANIA. ML 2.3 (TTG).
	20	03 15 25.3&	63.373	N	151.225	W	9					11	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.2 (PMR).
	20	03 22 40.2	10.745	S	74.794	W	33	N	5.0		0.9	63	CENTRAL PERU
	20	04 31 50.5*	51.384	N	6.427	E	5	G			0.8	5	GERMANY. MD 2.5 (UCC). ML 2.1 (BNS).
	20	04 34 46.8?	31.32	N	138 55	E	90	?	4.4		1.5	9	SOUTH OF HONSHU, JAPAN
	20	05 05 59.8	39.021	S	174.820	E	253	*			0.3	20	NORTH ISLAND, NEW ZEALAND
	20	05 22 33.3%	45.536	N	15.295	E	5	G			1.1	5	NORTHWESTERN BALKAN REGION. MD 2.2 (LJU).
	20	05 35 04.9*	31.736	S	66.967	W	33	N			1.1	7	LA RIOJA PROVINCE, ARGENTINA
	20	07 18 49.0?	43.81	N	8 46	E	5	G			0.3	7	CORSICA. ML 2.0 (GEN).
	20	07 32 41.2&	36.029	N	117.895	W	3					21	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.6 (PAS).
	20	07 56 25.6?	31.88	S	69.83	W	110	G			1.1	5	SAN JUAN PROVINCE, ARGENTINA
	20	07 58 17.9	13.181	S	166.963	E	118	D	5.1		1.0	67	VANUATU ISLANDS
	20	08 57 01.9%	44.344	N	8.457	E	5	G			0.4	6	NORTHERN ITALY. ML 2.1 (GEN).
	20	09 19 37.6&	36.748	N	121.293	W	6					17	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	20	09 58 16.0*	44.484	N	149.444	E	33	N	4.5		1.0	25	KURIL ISLANDS
	20	10 31 41.7%	45.857	N	7.225	E	5	G			0.2	9	NORTHERN ITALY. ML 2.2 (GEN).
	20	12 08 20.2&	59.505	N	151.947	W	57					41	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	20	12 18 21.7?	30.91	N	140.75	E	18	D	4.1		1.0	8	SOUTH OF HONSHU, JAPAN
	20	12 54 21.9?	66.30	N	14.63	E	10	G			1.1	4	NORTHERN NORWAY. MD 2.8 (BER).
	20	13 22 29.1	11.654	N	87.302	W	33	D	4.9		1.0	58	NEAR COAST OF NICARAGUA
	20	13 48 32.9&	36.030	N	117.895	W	3					36	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS), 3.2 (GS).
	20	14 23 33.0&	36.027	N	117.892	W	3					24	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS), 2.6 (GS).
	20	14 30 00.5*	46.888	N	27.224	W	10	G	4.6	3.9	1.4	34	NORTHERN MID-ATLANTIC RIDGE
	20	14 34 47.7?	10.40	N	87.07	W	33	N	4.7	3.9	1.2	9	OFF COAST OF COSTA RICA
	20	15 24 14.1&	36.028	N	117.893	W	4					32	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.4 (PAS), 3.0 (GS).
	20	15 34 55.4&	34.170	N	116.901	W	13					13	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.5 (GS).
a	20	15 44 42.3	15.382	S	177.108	W	379	D	5.3		1 0	235	FIJI ISLANDS REGION
	20	16 33 15.2*	29.997	N	141.497	E	33	N	4.0		0 8	12	SOUTH OF HONSHU, JAPAN

	20	17 10 51.4	44.381	N	11.959	E	10	G			1 2	48	NORTHERN ITALY. MD 3.5 (ROM), 3.3 (TRI).
	20	17 32 35.6*	2.068	S	102.296	E	216	*	4.7		1 1	41	SOUTHERN SUMATERA, INDONESIA
a	20	17 47 20.3	12.908	N	145.245	E	45	D	5.5	5.6	1.2	165	SOUTH OF MARIANA ISLANDS. Mo=1.0*10**18 Nm (PPT).
	20	18 51 02.7?	44.54	N	152.48	E	33	N	3.5		1.2	7	EAST OF KURIL ISLANDS
	20	20 13 14.1*	38.135	S	176.132	E	212	?			0.6	18	NORTH ISLAND, NEW ZEALAND
	20	20 13 48.3&	60.312	N	152.412	W	87					62	SOUTHERN ALASKA <AEIC>.
	20	20 20 43.1&	62.080	N	150.519	W	3					38	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
	20	20 20 59.5?	44.38	N	7.33	E	5	G			0.3	4	NORTHERN ITALY ML 1.4 (GEN).
o	20	20 35 24.3	33.631	S	179.533	W	48	D	5.5	5.1	1 1	244	SOUTH OF KERMADEC ISLANDS
	20	20 36 48.0&	36.638	N	121.310	W	8					8	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	20	21 18 28.0	46.135	N	13.595	E	10	G			1.0	7	AUSTRIA. MD 2.3 (LJU), 2.3 (TRI). ML 1.9 (VIE).
	20	21 40 39.8%	37.659	N	16.030	E	10	G			0.8	5	IONIAN SEA
	20	21 41 19.1?	37.28	S	176.52	E	229	?			0.5	13	NORTH ISLAND, NEW ZEALAND
	20	21 56 54.8?	31.20	S	68.22	W	106	?			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	20	22 22 23.5?	45.38	N	152.01	E	33	N	4.6		1.4	17	EAST OF KURIL ISLANDS
	20	22 48 43.0	8.135	S	116.229	E	200	*	5.2		1.0	21	SUMBAWA REGION, INDONESIA
	20	23 49 26.4%	32.974	S	71.114	W	55	?			0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	21	00 03 39.5?	43.16	N	20.71	E	10	G			0.2	6	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	21	00 41 08.8%	39.963	N	23.586	E	10	G			0.3	5	AEGEAN SEA. MD 2.6 (THE).
	21	01 37 56.2?	44.85	N	6.81	E	10	G			1.1	4	FRANCE. ML 1.6 (GEN).
	21	02 42 12.8&	57.579	N	154.798	W	57					24	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
	21	03 54 02.9?	30.57	S	68.94	W	136	?			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	21	04 05 27.8?	40.67	N	21.30	E	33	N			0.4	4	GREECE. MD 2.2 (THE).
	21	04 17 54.8&	36.020	N	117.891	W	3					42	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.7 (PAS), 3.8 (GS). Felt in the China Lake-Ridgecrest area, Californio
	21	04 49 23.6	41.065	N	20.259	E	10	G			1.1	10	ALBANIA. ML 2.6 (SKO).
	21	04 52 29.3	14.368	S	73.490	W	122	*	4.5		0.9	28	CENTRAL PERU
	21	04 58 13.9	29.648	N	138.574	E	478	*	4.0		0.6	15	SOUTH OF HONSHU, JAPAN
	21	05 28 39.4?	35.49	S	70.36	W	170	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	21	05 36 58.0?	40.14	S	92.02	W	10	G	4.7	4.9	1.5	13	SOUTHERN PACIFIC OCEAN
	21	06 02 07.3	44.375	N	7.322	E	10	G			0.6	10	NORTHERN ITALY. ML 1.7 (GEN).
	21	06 55 42.0*	31.628	S	67.756	W	10	G			0.7	6	SAN JUAN PROVINCE, ARGENTINA
	21	08 07 43.1%	42.571	N	20.031	E	10	G			0.3	8	NORTHWESTERN BALKAN REGION ML 1.7 (TTG).
	21	08 52 23.8%	37.093	N	5.220	W	5	G			0.9	7	SPAIN. mbLg 2.7 (MDD).
	21	09 08 38.6	42.537	N	20.030	E	10	G			0.4	10	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	21	09 10 30.3	9.268	N	78.469	W	79	*	3.8		1.0	14	PANAMA. Felt (II) at Panama City. Felt in eastern Panamo.
	21	09 29 46.0%	37.093	N	5.259	W	5	G			0.9	9	SPAIN. mbLg 2.9 (MDD).
	21	11 56 23.7*	12.819	N	145.491	E	33	N	4.1		1.1	12	SOUTH OF MARIANA ISLANDS
	21	12 08 17.9*	43.372	N	5.615	E	5	G			0.9	11	NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR).
	21	12 19 33.4	39.894	N	21.582	E	10	G			0.8	12	GREECE. ML 2.8 (TIR). MD 3.1 (ATH), 3.0 (THE).
	21	13 51 46.5	3.509	S	145.517	E	33	N	5.2		0.7	17	NEAR N COAST OF NEW GUINEA, PNG.
a	21	14 42 29.1	6.228	S	147.613	E	55		5.5	5.8	1.0	176	EASTERN NEW GUINEA REG., P.N.G. Mo=7.9*10**17 Nm (PPT).
	21	14 59 44.8&	36.026	N	117.892	W	3					38	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.7 (PAS), 3.6 (GS). Felt in the China Lake-Ridgecrest area.
	21	15 03 40.9?	6.51	S	147.49	E	61	?	4.4		0.9	7	EASTERN NEW GUINEA REG., P.N.G.
	21	15 15 21.9	38.363	N	22.218	E	10	G			0.6	7	GREECE. ML 2.9 (ATH). MD 2.9 (THE).
	21	15 22 10.8?	6.36	S	147.85	E	63	?	4.5		1.4	13	EASTERN NEW GUINEA REG., P.N.G.
	21	16 12 34.3&	36.019	N	117.890	W	3					33	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.5 (PAS), 3.5 (GS).
	21	16 22 54.9	6.281	S	147.723	E	61	*	4.7		1.2	26	EASTERN NEW GUINEA REG., P.N.G.
	21	16 32 42.9%	67.036	N	20.846	E	10	G			0.8	5	SWEDEN. MD 3.3 (BER).
	21	16 47 08.3?	6.46	S	147.48	E	65	?	4.0		1.0	5	EASTERN NEW GUINEA REG., P.N.G.
a	21	17 13 19.7	2.075	N	128.408	E	80	D	5.5		1.1	169	HALMAHERA, INDONESIA
	21	18 25 40.0	43.423	N	5.442	E	10	G			0.6	15	NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR).
	21	18 26 29.1&	59.994	N	148.939	W	13					44	KENAI PENINSULA, ALASKA. <AEIC> ML 2.6 (AEIC).
a	21	18 30 46.0	1.976	N	126.771	E	33	N	5.4	4.4	1.0	113	NORTHERN MOLUCCA SEA
	21	18 41 23.3&	58.683	N	152.750	W	52					34	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
	21	19 07 10.0	41.740	N	22.839	E	5	G			1.1	21	NORTHWESTERN BALKAN REGION. ML 3.0 (SKO). MD 3.3 (THE). Felt (III) at Berovo, Yugoslavia. Also felt in southwestern Bulgaria.
	21	19 19 43.1&	34.984	N	119.113	W	14					41	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.4 (GS).
	21	19 34 07.5?	29.42	S	68.46	W	167	?			0.9	12	SAN JUAN PROVINCE, ARGENTINA
	21	19 59 31.9?	6.50	S	147.48	E	67	*	4.7		1.0	10	EASTERN NEW GUINEA REG., P.N.G.
	21	20 50 32.5	45.463	N	14.328	E	11				0.9	75	NORTHWESTERN BALKAN REGION. MD 4.1 (LJU), 3.8 (TRI). ML 4.1 (ZAG), 4.1 (VIE). Felt (V) at Rijeka and (IV) at Pivka and Ilirska Bistrica, Croatia. Also felt at Podgarje, Croatia. Felt (III) at Trieste, Italy.
	21	21 02 37.7&	57.444	N	156.242	W	6					18	ALASKA PENINSULA. <AEIC>. ML 3.2 (AEIC).
	21	21 07 43.2*	23.371	N	121.855	E	52	?	4.2	3.6	1.4	17	TAIWAN
	21	21 29 57.5?	18.50	N	65.93	W	10	G			0.4	6	PUERTO RICO REGION
a	21	22 09 55.0	13.969	N	92.216	W	55		4	9	1.1	138	OFF COAST OF CHIAPAS, MEXICO. Mo=1.3*10**18 Nm (PPT).
	21	22 11 43.2	47.333	N	6.981	E	10	G			1.1	14	FRANCE
	21	22 39 33.9	36.280	N	22.771	E	23	*	4	1	1.2	59	SOUTHERN GREECE. MD 3.7 (ATH), 3.6 (THE).
	21	23 01 30.2?	51.88	N	7.05	E	10	G			0.7	6	GERMANY. ML 2.0 (BNS). MD 2.4 (UCC).
	21	23 37 37.8*	28.022	S	66.780	W	181	*			0.9	15	CATAMARCA PROVINCE, ARGENTINA
	22	00 29 55.0&	36.031	N	117.896	W	3					23	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS), 2.6 (GS).
	22	00 32 07.2&	36.027	N	117.901	W	0					21	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.6 (PAS), 2.3 (GS).
	22	00 34 42.8?	6.92	S	147.01	E	40	?	3	8	1.5	5	EASTERN NEW GUINEA REG., P.N.G.
	22	00 39 53.8	5.415	N	114.546	E	40	D	5.2	4.2	0.9	38	SOUTH CHINA SEA
	22	00 43 01.7	14.051	N	92.094	W	73		4.6		0.9	99	NEAR COAST OF CHIAPAS, MEXICO
	22	01 49 19.9*	36.529	N	71.568	E	33	N	4.0		0.7	9	AFGHANISTAN-TAJIKISTAN BORD REG.
	22	02 15 46.0*	36.254	S	178.496	E	266	*	4.0		0.9	31	OFF E. COAST OF N. ISLAND, N.Z.
	22	02 21 12.3	39.417	S	177.147	E	35	*	4.9		1.1	38	OFF E. COAST OF N. ISLAND, N.Z.
	22	02 21 58.1&	37.393	N	121.743	W	6					16	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK), 2.6 (GS).
	22	02 25 33.1*	3.767	N	126.690	E	33	N	4.5		1.0	19	TALAUD ISLANDS, INDONESIA
	22	02 35 12.0*	2.921	S	130.117	E	10	G	4.8	3.8	1.3	13	SERAM, INDONESIA
	22	03 32 20.6&	36.030	N	117.899	W	1					48	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.9 (PAS), 3.8 (GS). Felt in the China Lake-Ridgecrest area.
	22	03 43 48.3%	44.956	N	7.289	E	10	G			0.7	5	NORTHERN ITALY. ML 1.9 (GEN).

	22	04 00 15.4	36.625	N	141.037	E	64		4 4		0.7	20	NEAR EAST COAST OF HONSHU, JAPAN
	22	04 05 04.6&	59 135	N	152.072	W	74		2.9			88	SOUTHERN ALASKA <AEIC>.
	22	04 21 34.6?	26 36	N	78.89	W	10	G	3.2		1.1	11	BAHAMA ISLANDS
	22	05 38 56 6?	44 76	N	2.66	E	5	G			0.7	6	FRANCE
	22	05 41 48 1%	37 70?	N	14.728	E	10	G			0.6	5	SICILY
	22	06 52 14 7%	37 098	N	5.217	W	10	G			1.4	5	SPAIN. mbLg 2.7 (MDD).
	22	08 39 50.9	46.715	N	9.528	E	5	G			1.2	30	SWITZERLAND. ML 2.7 (VIE).
	22	09 15 44.1*	50.775	S	159 169	E	33	N	4.6	4.2	0.9	11	NORTH OF MACQUARIE ISLAND
o	22	11 28 07.1	17.999	N	169.954	E	30	D	5.3	4.5	0.9	101	NORTH PACIFIC OCEAN
	22	11 29 39.2*	37.618	S	176.487	E	237	?			0.6	23	NORTH ISLAND, NEW ZEALAND
	22	12 08 51.3?	44.91	N	2.98	E	10	G			0.1	4	FRANCE. ML 2.1 (STR).
	22	12 17 15.6?	45.51	N	14.33	E	10	G			0.7	4	NORTHWESTERN BALKAN REGION. MD 2.4 (LJU). ML 2.0 (VIE)
	22	12 24 26.4*	44.324	N	106.317	W	5	G			1.4	9	WYOMING. ML 2.9 (GS).
	22	14 07 31.0	33.237	S	71.774	W	10	G			1.0	16	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
	22	15 18 43.7?	4.30	S	144.20	E	75	?	4.5		1.2	7	NEAR N COAST OF NEW GUINEA, PNG.
	22	15 24 35.3*	33.190	S	72.089	W	13				0.5	11	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	22	16 47 14.7	45.461	N	14.293	E	5	G			0.3	6	NORTHWESTERN BALKAN REGION. MD 2.5 (LJU), 2.3 (TRI).
	22	17 23 01.9?	44.41	N	27.56	E	10	G			1.1	5	ROMANIA
	22	18 30 46.6	38.468	N	21.398	E	5	G			0.8	16	GREECE. ML 3.2 (ATH), 3.3 (TIR). MD 3.2 (THE).
	22	18 57 52.3	0.133	N	121.953	E	220	*	4.7		0.6	21	MINAHASSA PENINSULA, SULAWESI
	22	20 22 00.4*	45.462	N	14.307	E	5	G			0.1	5	NORTHWESTERN BALKAN REGION. MD 2.4 (LJU), 2.2 (TRI).
	22	21 48 09.9*	45.655	N	26.485	E	108	*			1.2	15	ROMANIA
	22	23 40 46.9?	32.40	S	179.49	W	135	?	5.4		1.2	14	SOUTH OF KERMADEC ISLANDS
	23	00 35 31.9*	51.030	N	176.187	W	33	N	4.4		1.3	28	ANDREANOF ISLANDS, ALEUTIAN IS.
	23	01 03 12.8&	37.522	N	118.432	W	8					40	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.7 (BRK), 3.6 (PAS), 3.5 (GS).
	23	02 11 40.1*	18.683	N	66.960	W	33	N	3.6		0.7	9	PUERTO RICO REGION
	23	02 48 10.9?	45.51	N	14.31	E	10	G			0.1	4	NORTHWESTERN BALKAN REGION. MD 2.4 (LJU), 2.3 (TRI).
	23	03 02 35.0?	34.43	S	71.84	W	10	G			0.4	8	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	23	03 03 42.4&	60 089	N	140.583	W	13					18	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	23	03 04 29.2?	43.63	N	12.42	E	10	G			0.2	4	CENTRAL ITALY
	23	03 05 56.3&	60.105	N	140.562	W	14					19	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	23	03 09 16.8%	45.522	N	27.024	E	33	N			0.7	5	ROMANIA
	23	04 17 23.3?	30.96	N	142.09	E	33	N	4.0		1.5	11	SOUTH OF HONSHU, JAPAN
	23	06 08 12.6?	39.85	N	29.99	E	10	G			1.0	5	TURKEY
	23	06 15 27.6	45.464	N	14.333	E	5	G			0.4	10	NORTHWESTERN BALKAN REGION. MD 3.0 (TRI), 2.9 (LJU). ML 2.6 (VIE). Felt (IV) at Rijeka, Croatia. Also felt at Opatija, Grabnicko and Polje, Croatia.
	23	06 20 23.2	16.780	N	146.159	E	98	D	5.1		0.9	96	MARIANA ISLANDS
	23	06 49 55.5	43.981	N	147.971	E	33	N	4.6		0.9	40	KURIL ISLANDS
	23	08 02 04.9?	9.88	S	111.53	E	33	N	4.9		1.4	8	SOUTH OF JAWA, INDONESIA
	23	09 58 37.0	39.362	N	21.579	E	10	G			1.1	10	GREECE. MD 2.7 (THE).
	23	10 47 53.7&	36.026	N	117.891	W	6	G				24	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS), 2.7 (GS).
	23	11 42 24.9?	31.58	S	68.83	W	80	G			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	23	12 03 11.7*	36.391	N	49.179	E	10	G	4.5		1.4	15	WESTERN IRAN. Felt at Rudbar.
	23	12 41 52.9	40.737	N	30.349	E	10	G			1.1	7	TURKEY
	23	13 52 43.1	44.123	N	16.664	E	11				1.0	48	NORTHWESTERN BALKAN REGION. ML 3.7 (ZAG), 3.6 (TRI), 3.6 (TTG), 2.9 (LJU).
	23	14 21 20.9%	44.480	N	4.997	E	5	G			0.9	9	FRANCE
	23	15 19 10.7?	7.91	S	131.01	E	74	*	4.5		1.3	6	TANIMBAR ISLANDS REG., INDONESIA
	23	15 27 58.8%	45.575	N	26.849	E	10	G			0.9	5	ROMANIA
	23	15 33 33.8&	60.528	N	150.654	W	12		2.5			50	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
	23	16 17 52.5	30.646	N	105.507	W	5	G			1.0	20	TEXAS-MEXICO BORDER REGION. mbLg 3.4 (GS), 3.4 (TUL).
	23	16 43 38.4*	31.706	S	71.570	W	33	N			1.1	14	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	23	16 53 41.1*	31.526	S	69.360	W	133	?			0.8	16	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
	23	16 57 50.7%	42.139	N	19.215	E	10	G			0.3	5	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	23	17 18 32.9?	17.85	N	145.49	E	33	N	3.7		0.8	7	MARIANA ISLANDS
	23	17 24 36.8	40.380	N	33.123	E	10	G			0.5	9	TURKEY
	23	17 51 05.1?	7.18	S	129.00	E	164	?	4.7		0.3	10	BANDA SEA
	23	18 53 12.4&	61.524	N	146.119	W	41					55	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	23	19 42 21.7	25.810	S	179.727	W	435	D	5.1		1.0	108	SOUTH OF FIJI ISLANDS
	23	20 06 25.2	41.556	N	81.267	E	33	N	4.7		1.2	50	SOUTHERN XINJIANG, CHINA
	23	23 24 05.8?	61.86	N	5.14	E	10	G			0.2	4	SOUTHERN NORWAY. MD 2.2 (BER).
	23	23 40 25.4?	35.59	S	71.89	W	90	G			0.5	11	CENTRAL CHILE. MD 3.9 (SAN).
	24	00 06 31.9	46.511	N	2.942	E	10	G			0.5	13	FRANCE. ML 1.9 (STR).
	24	00 16 50.4?	37.06	N	28.48	E	10	G			1.2	4	TURKEY
o	24	00 57 53.6	30.879	N	141.759	E	43	D	5.0	4.5	1.0	74	SOUTH OF HONSHU, JAPAN
	24	01 09 29.6%	61.710	N	4.101	E	10	G			0.3	6	SOUTHERN NORWAY. MD 2.0 (BER).
	24	01 46 19.7?	21.53	S	178.41	W	533	?	4.5		1.0	16	FIJI ISLANDS REGION
	24	01 54 47.0%	42.064	N	12.831	E	10	G			1.1	5	CENTRAL ITALY
	24	02 04 38.2	40.691	N	30.153	E	10	G			0.8	15	TURKEY
	24	04 01 06.4?	45.88	N	14.24	E	10	G			1.4	4	NORTHWESTERN BALKAN REGION. MD 1.9 (TRI).
	24	06 39 53.4*	53.674	S	2.524	E	10	G	5.1	4.6	1.1	12	BOUVET ISLAND REGION
	24	07 22 57.6?	17.69	N	69.47	W	50	G	3.5		0.4	9	DOMINICAN REPUBLIC REGION
	24	09 25 01.6%	43.108	N	0.673	W	10	G			0.1	5	PYRENEES. ML 1.0 (STR).
	24	10 00 35.8?	16.97	N	61.25	W	33	N			0.3	5	LEEWARD ISLANDS. ML 2.8 (FDF).
	24	10 22 49.9	61.103	N	5.066	E	10	G			0.7	8	SOUTHERN NORWAY. MD 2.5 (BER).
	24	10 26 42.2	3.345	S	142.271	E	33	N	5.2		1.1	36	NEAR N COAST OF NEW GUINEA, PNG.
	24	10 38 45.8%	45.844	N	26.644	E	10	G			0.9	5	ROMANIA
	24	10 43 26.7%	61.088	N	5.271	E	10	G			0.9	8	SOUTHERN NORWAY. MD 2.6 (BER).
	24	11 21 43.1	16.066	S	174.076	W	135	D	4.8		0.9	70	TONGA ISLANDS
	24	12 20 24.7%	36.883	N	2.486	W	10	G			0.7	6	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD). Felt (III) in the Gador area, Spain.
	24	13 42 47.7&	36.016	N	117.889	W	6	G				31	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS), 3.1 (GS).
	24	13 51 03.8*	31 359	S	68.498	W	111	?			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	24	14 02 28.7	61.260	N	5.209	E	10	G			0.4	8	SOUTHERN NORWAY. MD 2.7 (BER).
	24	14 32 42.6?	16.84	N	60.52	W	10	G			0.1	4	LEEWARD ISLANDS. ML 2.8 (FDF).
	24	14 56 50.1	44.183	N	12.102	E	27				1.0	44	NORTHERN ITALY. ML 3.5 (VIE).
	24	15 23 01.4	41.508	N	20.202	E	10	G			1.4	6	ALBANIA. ML 2.3 (TIR).
	24	16 13 07.7%	37 683	N	16.328	E	33	N			1 2	7	IONIAN SEA
	24	16 40 01.6%	39.492	N	15.998	E	10	G			0.8	6	SOUTHERN ITALY

	24	17 15 20.7	35.953	N	112 221	W	5	G			0 4	8	WESTERN ARIZONA ML 3.0 (GS).
	24	17 43 00.8*	4 460	S	150 812	E	33	N	4.5		0 8	6	NEW BRITAIN REGION, P.N.G.
	24	17 59 37.6%	43.435	N	5 457	E	10	G			0 4	8	NEAR SOUTH COAST OF FRANCE ML 2.5 (STR).
	24	18 31 39.1	30 919	N	141 743	E	46	D	5.0	4.5	0	94	SOUTH OF HONSHU, JAPAN
	24	18 35 15.8?	61 16	N	3 06	E	10	G			1 5	7	NORWEGIAN SEA. MD 2.5 (BER)
	24	19 13 53.5	43 404	N	5.415	E	10	G			0.6	14	NEAR SOUTH COAST OF FRANCE ML 2.7 (STR).
	24	20 41 34.2*	45.135	N	151.389	E	33	N	4.2		1.0	20	KURIL ISLANDS
	24	21 31 44 2	46.256	N	12.460	E	10	G			1 0	15	NORTHERN ITALY MD 2 9 (LJU), 2.7 (TRI). ML 2.6 (FUR), 2.5 (VIE).
	24	21 55 15.0*	28.647	S	71.968	W	33	N	4.2		1.1	17	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
	24	23 03 10.2	32.027	S	71.841	W	23				0.7	16	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN)
	24	23 28 52.6*	34 171	N	25.982	E	33	N	4.1		0.6	18	CRETE ML 4 2 (CSS)
	25	00 12 26.9?	18.64	N	65.57	W	33	N			0.2	6	PUERTO RICO REGION
	25	01 57 25.8*	25.195	N	92.225	E	33	N	5.0		0.6	9	INDIA-BANGLADESH BORDER REGION
	25	02 04 51.4&	36.038	N	117.890	W	3					22	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.6 (PAS).
	25	02 44 03.6*	4.442	S	151.280	E	63	*	4.2	4.0	0.9	8	NEW BRITAIN REGION, P.N.G.
	25	02 54 16.8?	44.66	N	7.59	E	10	G			0.1	4	NORTHERN ITALY
	25	04 12 50.1*	31.312	S	68.573	W	116	*			0.8	8	SAN JUAN PROVINCE, ARGENTINA
	25	04 30 42.5?	39.98	N	27.68	E	10	G			0.7	5	TURKEY
	25	04 36 51.1*	32.801	S	71.709	W	33	N			1.0	12	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	25	05 42 03.0?	29.84	S	69.54	W	10	G			1.2	7	CHILE-ARGENTINA BORDER REGION
	25	05 51 48.4&	62.946	N	150.556	W	93		2.5			55	CENTRAL ALASKA. <AEIC>.
	25	06 31 02.8?	41.22	N	29.76	E	10	G			0.3	4	TURKEY
	25	08 31 03.8*	35.640	N	141.224	E	48	*	4.5		1.3	25	NEAR EAST COAST OF HONSHU, JAPAN
	25	09 08 08.2	44.979	N	7.386	E	10	G			0.6	11	NORTHERN ITALY
	25	09 30 51.9	43.084	N	77.969	E	10	G	4.4		1.1	20	LAKE ISSYK-KUL REGION. Felt (V) at Soty, (IV) at Bor-Togoy and (III) at Almo-Ato, Kazakhstan.
	25	10 08 47.5?	37.57	S	178.38	E	122	?			1.2	7	OFF E. COAST OF N ISLAND, N.Z.
	25	10 45 23.6&	35.416	N	118.455	W	0					16	CENTRAL CALIFORNIA <PAS-P> ML 2.8 (PAS), 2.6 (GS).
	25	10 49 13.0?	45.59	N	26.32	E	144	?			1.3	9	ROMANIA
	25	11 49 32.8?	39.29	N	16.60	E	10	G			0.2	5	SOUTHERN ITALY
	25	12 17 59.6	40.757	N	30.318	E	10	G			0.3	6	TURKEY
	25	12 39 02.1?	39.02	N	25.37	E	10	G			0.1	5	AEGEAN SEA
	25	13 21 52.5%	42.619	N	8.474	W	10	G			1.1	6	SPAIN mbLg 3.3 (MDD). Felt (III) in the Cuntis area.
	25	14 28 27.4?	39.61	N	27.73	E	10	G			1.5	4	TURKEY
	25	16 27 48.6?	7.04	S	126.78	E	306	?	4.4		1.3	10	BANDA SEA
	25	17 46 32.6*	27.135	S	71.498	W	35	?	5.2		1.3	23	NEAR COAST OF NORTHERN CHILE
	25	18 41 08.0*	26.308	N	126.513	E	113	*	4.3		0.9	28	RYUKYU ISLANDS
	25	18 46 24.9	20.137	S	133.882	E	5	G	4.2		1.4	22	NORTHERN TERRITORY, AUSTRALIA
	25	20 10 27.1*	6.911	S	39.924	E	10	G	4.5		0.8	10	TANZANIA
	25	20 12 25.5	40.361	N	28.809	E	10	G	3.6		0.8	36	TURKEY. Felt at Bursa.
	25	20 59 43.4%	39.400	N	16.297	E	13				1.1	9	SOUTHERN ITALY
	25	22 08 54.1?	66.75	N	13.81	E	10	G			0.8	4	NORTHERN NORWAY. MD 3.0 (BER).
	25	23 10 08.3	40.573	N	21.712	E	5	G			0.6	7	GREECE. MD 2.0 (THE).
	25	23 17 48.6*	28.110	N	142.849	E	33	N	4.7		1.2	10	BONIN ISLANDS REGION
	25	23 33 44.9	40.759	N	30.315	E	10	G			0.5	7	TURKEY
	25	23 34 31.1	40.771	N	30.310	E	10	G			0.3	6	TURKEY
	25	23 36 44.4*	40.742	N	30.316	E	11	*			0.7	8	TURKEY
	25	23 54 03.8	39.402	N	27.801	E	10	G			0.6	14	TURKEY
	26	00 00 29.7	39.429	N	27.835	E	10	G			0.8	12	TURKEY
	26	02 05 00.2	35.136	N	37.010	E	10	G	3.2		1.1	11	JORDAN - SYRIA REGION. ML 3.6 (CSS).
	26	02 47 06.2*	22.843	S	66.996	W	203	*	3.8		1.2	8	JUJUY PROVINCE, ARGENTINA
	26	02 53 28.4?	29.82	S	176.96	W	10	G	4.5	4.3	1.5	7	KERMADEC ISLANDS REGION
	26	03 26 12.0%	39.304	N	27.779	E	10	G			0.5	5	TURKEY
o	26	03 45 19.7	11.803	N	57.764	E	10	G	5.8	5.5	1.1	387	ARABIAN SEA. Complex event observed on broadband displacement seismograms.
	26	03 47 16.8*	51.578	N	175.113	W	33	N	4.3		1.4	13	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.1 (PMR).
	26	04 59 09.8?	4.33	S	144.99	E	69	?	4.2		1.1	5	NEAR N COAST OF NEW GUINEA, PNG.
	26	05 02 04.9	39.298	N	28.185	E	10	G			0.6	12	TURKEY
	26	05 31 50.9	7.072	N	126.002	E	28	D	5.0	4.2	1.1	54	MINDANAO, PHILIPPINE ISLANDS
	26	06 27 36.5?	36.93	S	176.87	E	260	?			0.4	14	OFF E COAST OF N. ISLAND, N.Z.
	26	06 55 14.1*	6.319	S	103.570	E	33	N			0.9	7	SOUTHWEST OF SUMATERA, INDONESIA
	26	07 18 05.8*	34.253	S	73.414	W	10	G	4.7		0.5	15	OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	26	07 32 11.0	39.003	N	25.663	E	5	G			0.4	12	AEGEAN SEA
	26	07 40 57.4	33.087	S	67.845	W	6				0.7	12	MENDOZA PROVINCE, ARGENTINA. MD 4.2 (SAN).
	26	07 52 10.5	39.412	N	27.805	E	10	G			0.4	12	TURKEY
	26	08 17 07.0	32.786	S	71.697	W	18				0.9	13	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	26	08 20 10.3&	36.047	N	117.891	W	3					18	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.5 (PAS), 2.2 (GS).
	26	09 08 29.3	47.970	N	7.502	E	10	G			0.3	12	SWITZERLAND ML 2.3 (STR), 2.6 (LDG).
	26	09 12 59.8	39.638	S	174.045	E	290	*			0.5	30	NORTH ISLAND, NEW ZEALAND
	26	09 33 10.9?	14.78	N	60.79	W	33	N			0.1	4	WINDWARD ISLANDS
	26	10 43 18.1*	6.638	N	72.796	W	195	*	4.1		0.2	7	NORTHERN COLOMBIA
	26	10 53 00.7*	35.904	N	0.319	W	10	G			0.3	9	NORTHERN ALGERIA. mbLg 4.0 (MDD).
	26	11 28 05.3*	35.492	S	104.880	W	10	G	4.7	4.6	1.4	26	SOUTHERN PACIFIC OCEAN
	26	11 45 27.8%	39.418	N	27.776	E	10	G			0.4	7	TURKEY
	26	11 53 00.9?	35.85	N	0.40	W	10	G			0.3	6	NORTHERN ALGERIA. mbLg 4.0 (MDD).
	26	12 52 51.1*	42.388	N	24.163	E	10	G			1.0	7	BULGARIA. MD 2.7 (THE).
	26	13 11 03.8	38.846	N	20.440	E	23				1.3	15	GREECE. MD 3.4 (ATH), 3.0 (THE). ML 3.1 (TIR).
	26	13 38 08.8*	36.528	S	177.700	E	264	*	4.6		1.0	31	OFF E. COAST OF N. ISLAND, N.Z.
	26	14 36 04.5%	41.103	N	28.461	E	5	G			0.4	5	TURKEY
	26	14 56 29.5%	39.527	N	27.832	E	5	G			0.8	10	TURKEY
	26	17 09 00.5*	53.709	N	165.818	W	33	N	3.9		1.3	16	FOX ISLANDS, ALEUTIAN ISLANDS
	26	17 52 41.0&	33.906	N	118.649	W	10					12	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS), 2.5 (GS).
	26	19 15 14.1%	41.388	N	14.661	E	10	G			0.3	5	SOUTHERN ITALY
	26	19 18 36.4	39.441	N	27.670	E	5	G			0.8	16	TURKEY
	26	19 25 37.6?	51.79	N	6.89	E	10	G			1.4	16	GERMANY. ML 2.7 (LDG).
	26	19 34 25.7?	6.64	S	149.85	E	33	N	3.9		1.4	6	NEW BRITAIN REGION, P.N.G.
	26	19 44 22.5&	36.048	N	117.893	W	3					22	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.5 (PAS), 2.6 (GS).
	26	21 53 53.7	44.595	N	6.869	E	10	G			0.5	15	FRANCE. ML 2.1 (LDG).
	26	22 21 26.2	38.115	S	176.249	E	201	*			0.5	30	NORTH ISLAND, NEW ZEALAND
	26	23 33 38.1?	16.66	S	180.00	W	33	N	4.6		1.2	10	FIJI ISLANDS REGION. Felt at Labasko and an Kio.

	27	00 22 51.5%	41.353	N	14.620	E	10	G			1 1	7	SOUTHERN ITALY
	27	04 14 25.8&	59 295	N	154 577	W	156		3.4			42	SOUTHERN ALASKA <AEIC>.
	27	07 31 31 5%	40.365	N	28.842	E	10	G			0 4	6	TURKEY
	27	07 40 22.7?	40.95	N	24 49	E	10	G			0 7	5	AEGEAN SEA MD 2.5 (THE).
	27	07 41 36.5?	24 26	S	67.53	W	153	?			1 1	5	CHILE-ARGENTINA BORDER REGION
	27	08 10 49.0*	38.353	N	20.603	E	10	G			1 1	9	GREECE MD 3 2 (THE), 3.1 (ATH)
	27	08 30 44.4	33.252	S	70.600	W	70	G			0 7	11	CHILE-ARGENTINA BORDER REGION
	27	08 41 56.7?	40 17	N	23.32	E	10	G			0 9	4	GREECE
	27	08 55 59.7	5.829	S	147.173	E	91		4.8		1.0	55	EASTERN NEW GUINEA REG., P N.G.
	27	08 56 05.3*	38.384	N	20.809	E	10	G			1.1	6	GREECE. MD 3 1 (ATH)
	27	09 11 29.3*	37.858	N	29.903	E	10	G			1.5	5	TURKEY
	27	09 26 00.7*	40.737	N	30.349	E	10	G			0.5	7	TURKEY
	27	09 26 52.4*	40.735	N	30.325	E	10	G			0.6	5	TURKEY
	27	09 37 23.5&	59.885	N	151.717	W	51					38	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	27	10 08 57.2	41.022	N	20.215	E	5	G			1.0	27	ALBANIA. ML 2.8 (TTG), 2.7 (TIR). MD 3.0 (THE).
	27	10 17 32.1%	39.137	N	27.486	E	10	G			0.2	5	TURKEY
	27	10 30 58.8%	40.502	N	29.125	E	10	G			0.8	5	TURKEY
	27	10 33 58.5	40.454	N	21.868	E	5	G			1.0	7	GREECE. MD 3.0 (THE).
	27	10 35 00.4%	43.088	N	0.606	W	10	G			0.5	5	PYRENEES. ML 1.0 (STR).
	27	10 46 26.0?	40.44	N	21.74	E	10	G			1.3	5	GREECE. MD 2.7 (THE).
	27	11 12 18.2?	39.01	N	27.61	E	5	G			1.1	4	TURKEY
	27	11 26 21.6	40.432	S	176.375	E	45	*	4.6		0.9	32	NORTH ISLAND, NEW ZEALAND
	27	11 43 47.2?	39.51	N	29.58	E	10	G			0.5	5	TURKEY
	27	11 54 57.7?	15.22	N	61.01	W	130	G			0.1	7	LEEWARD ISLANDS
	27	11 55 51.7*	15.489	N	94.481	W	33	N	4.4		0.8	17	NEAR COAST OF OAXACA, MEXICO
	27	12 00 47.0&	38.653	N	122.405	W	9					13	NORTHERN CALIFORNIA. <BRK>. ML 2.8 (BRK)
	27	12 01 24.9	30.949	N	141.759	E	33	N	4.7	4.4	1.1	53	SOUTH OF HONSHU, JAPAN
	27	12 16 17.7*	39.004	N	140.008	E	33	N	4.5		0.8	15	EASTERN HONSHU, JAPAN
	27	12 41 39.9?	38.76	N	23.69	E	10	G			0.2	4	GREECE. MD 2.5 (THE).
	27	12 48 08.5%	42.800	N	19.246	E	10	G			0.4	7	NORTHWESTERN BALKAN REGION ML 1.3 (TTG).
	27	13 13 44.5&	62.493	N	148.370	W	42					68	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
	27	14 00 25.2*	22.857	S	68.626	W	135	*	3.8		1.6	6	NORTHERN CHILE
	27	15 18 35.2%	43.913	N	7.127	E	5	G			0.4	8	NEAR SOUTH COAST OF FRANCE
	27	15 24 09.2?	39.58	N	32.77	E	10	G			0.9	5	TURKEY
	27	16 12 27.6%	40.453	N	29.136	E	10	G			0.6	8	TURKEY
	27	18 04 39.0%	38.447	N	30.567	E	10	G			0.8	6	TURKEY
	27	18 24 31.5?	38.96	N	28.27	E	10	G			0.9	4	TURKEY
	27	18 58 34.6%	43.082	N	1.002	W	10	G			0.1	5	PYRENEES. ML 1.0 (STR).
f	27	20 05 23.8	6.191	S	147.576	E	39	G	5.9	6.6	1.1	260	EASTERN NEW GUINEA REG., P.N.G. Ms 6.5 (BRK). Mo=7.9*10**18 Nm (PPT). Felt at Lae. Depth from broadband displacement seismograms.
	27	20 25 56.5	5.598	S	147.354	E	205		4.9		0.8	34	EASTERN NEW GUINEA REG., P.N.G.
	27	21 04 18.6%	46.654	N	9.773	E	10	G			1.1	7	SWITZERLAND
	27	21 08 09.1*	6.285	S	155.870	E	245	?	4.9		0.4	9	SOLOMON ISLANDS
	27	21 08 34.6*	6.383	S	147.447	E	48	*	5.0		1.3	43	EASTERN NEW GUINEA REG., P.N.G.
	27	21 10 59.8?	40.90	N	23.63	E	10	G			0.2	4	GREECE. MD 1.8 (THE).
	27	21 15 01.3*	54.954	N	160.157	W	57	*	4.0		1.1	20	ALASKA PENINSULA
	27	21 51 04.1?	40.75	N	30 28	E	10	G			0.3	4	TURKEY
	27	22 03 01.0&	36.765	N	121.493	W	6					25	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK), 3.8 (GS). Felt (III) at Spreckels.
	27	22 13 34.4?	6.65	S	147.51	E	68	*	4.9		1.4	8	EASTERN NEW GUINEA REG., P.N.G.
	27	23 02 10.7?	39.37	N	23.66	E	10	G			0.9	4	AEGEAN SEA. MD 2.5 (THE).
	28	01 12 33.0	5.036	N	127.377	E	114	*	5.3		1.0	69	PHILIPPINE ISLANDS REGION
	28	01 15 55.0&	33.986	N	118.676	W	14					15	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS), 2.4 (GS).
	28	01 18 45.1%	40.536	N	23.575	E	10	G			0.8	8	GREECE. MD 2.2 (THE).
	28	02 59 49.8&	36.205	N	120.820	W	9					19	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK), 2.9 (GS).
	28	03 09 59.7	46.674	N	9.554	E	10	G			1.0	11	SWITZERLAND. ML 2.5 (FUR), 2.1 (LDG).
	28	03 29 19.4&	36.203	N	120.815	W	8					35	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK), 3.6 (PAS), 3.5 (GS).
	28	06 11 14.5&	36.038	N	117.893	W	3					38	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.1 (PAS), 3.3 (GS).
	28	06 41 58.1	38.954	N	25.870	E	10	G			0.7	27	AEGEAN SEA. ML 3.7 (ATH). MD 3.5 (THE).
	28	06 45 08.6%	40.461	N	23.119	E	5	G			0.8	5	GREECE. MD 1.0 (THE).
	28	06 52 59.2?	47.28	N	1.85	W	10	G			0.5	7	FRANCE. ML 2.5 (LDG).
	28	06 59 42.3	39.913	S	174.040	E	161	*			0.5	31	NORTH ISLAND, NEW ZEALAND
	28	08 26 23.7*	38.437	N	17.971	E	10	G			1.3	7	SOUTHERN ITALY
	28	08 52 39.4?	40.89	N	28.72	E	10	G			0.9	4	TURKEY
a	28	09 14 09.1	24.369	S	69.924	W	58	G	5.7		1.0	223	NORTHERN CHILE. Mo=1.6*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	28	09 14 35.2*	34.162	N	25.986	E	33	N	4.3		1.4	13	CRETE ML 4.1 (CSS).
	28	09 18 02.2*	50.428	N	18.729	E	10	G			1.1	7	POLAND. ML 3.5 (WAR), 3.5 (VIE).
	28	09 39 26.1&	63.288	N	151.029	W	14					48	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
	28	09 57 37.3%	40.640	N	22.994	E	10	G			0.3	5	GREECE. MD 1.5 (THE).
	28	10 01 25.2%	15.012	N	60.680	W	33	N			0.5	9	LEEWARD ISLANDS. ML 3.1 (FDF).
	28	10 05 57.0*	38.555	S	175.404	E	225	?			0.4	16	NORTH ISLAND, NEW ZEALAND
	28	10 10 34.3%	42.288	N	19.534	E	10	G			0.5	9	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	28	10 38 18.5%	38.657	N	15.581	E	10	G			0.8	5	SICILY
	28	10 40 16.2?	20.19	S	178.35	W	403	?	4.5		1.4	37	FIJI ISLANDS REGION
	28	11 26 51.2?	45.57	N	11.42	E	10	G			0.9	6	NORTHERN ITALY. ML 2.4 (VIE).
	28	11 39 27.2?	40.13	N	28.86	E	33	N			0.1	4	TURKEY
	28	11 54 46.4	13.820	N	92.195	W	34	*	4.6	4.6	0.9	81	OFF COAST OF CHIAPAS, MEXICO
	28	12 42 02.2	39.635	N	118.275	W	5	G			0.8	13	NEVADA. ML 3.0 (GS).
	28	12 42 23.3*	41.704	N	22.176	E	5	G			0.5	7	NORTHWESTERN BALKAN REGION. ML 2.3 (SKO). MD 2.5 (THE).
	28	13 10 11.0?	39.68	N	28.95	E	10	G			0.3	4	TURKEY
	28	15 10 42.7*	39.362	N	20.640	E	10	G			0.9	6	GREECE-ALBANIA BORDER REGION. MD 2.5 (THE).
	28	15 36 08.9	40.870	N	27.739	E	15	*			1.1	13	TURKEY
	28	16 37 21.5	48.751	N	128.186	W	10	G	4.1		1.0	26	VANCOUVER ISLAND REGION
	28	17 31 49.4%	42.237	N	14.269	E	10	G			0.7	6	CENTRAL ITALY
	28	17 34 08.4*	29.518	S	71.791	W	10	G			1.0	12	NEAR COAST OF CENTRAL CHILE
	28	17 35 10.4?	6.47	S	147.95	E	33	N	3.9		1.4	5	EASTERN NEW GUINEA REG., P.N.G.
	28	18 20 22.7*	39.552	N	23.925	E	10	G			1.0	9	AEGEAN SEA. MD 2.6 (THE).
	28	18 23 00.0?	39.04	N	23.15	E	10	G			0 8	4	AEGEAN SEA. MD 1.5 (THE).
	28	18 24 36.7	44.243	N	8.353	E	10	G			0 9	12	NORTHERN ITALY. ML 2.0 (LDG).

	28	18 29 47	4*	39.386	S	46.361	E	10	G	4 4	1.4	7	SOUTHWEST INDIAN RIDGE
	28	18 33 46	4	37 437	N	16.566	E	10	G		0 9	33	IONIAN SEA
	28	18 41 13.7*		52.171	N	176.749	E	90	*	4.6	0 9	19	RAT ISLANDS, ALEUTIAN ISLANDS
	28	19 30 53.3		35 113	N	33.931	E	61		3.8	0 9	18	CYPRUS REGION MD 3.9 (HLW)
	28	20 58 22 7		14.532	N	93.145	W	46		4.9 5 1	1 0	72	NEAR COAST OF CHIAPAS, MEXICO. Mo=4.0*10**17 Nm (PPT).
	29	01 45 47.2		16.015	N	60.784	W	33	N		0.2	16	LEEWARD ISLANDS. MD 3.1 (TRN)
	29	03 25 53.3		45.853	N	10.886	E	10	G		0.9	9	NORTHERN ITALY. ML 2.3 (VIE).
	29	03 53 21.9&		63.535	N	147.900	W	83		3.5		82	CENTRAL ALASKA <AEIC>. Felt (III) at Cantwell.
	29	04 01 20.8*		41.561	N	22.814	E	10	G		0.4	7	NORTHWESTERN BALKAN REGION. MD 2.7 (THE).
	29	04 03 33.4?		46.76	N	150.42	E	235	?	3.8	1.3	10	KURIL ISLANDS
	29	04 04 47.3		42.413	N	14.312	E	9			1.4	23	CENTRAL ITALY. MD 3.8 (TRI).
	29	04 15 19.4?		42.05	N	144.12	E	68	?		0.9	5	HOKKAIDO, JAPAN REGION
	29	04 38 16.4%		42.246	N	14.161	E	10	G		0.9	6	CENTRAL ITALY
a	29	05 42 45.7		12.265	N	141.242	E	33	D	5.5 4.8	0.9	147	SOUTH OF MARIANA ISLANDS. Mo=5.0*10**17 Nm (PPT).
	29	07 11 38.2%		47.092	N	6.167	E	10	G		0.2	7	FRANCE. ML 2.2 (LDG).
	29	07 40 33.2		37.053	N	116.163	W	5	G		0.4	43	SOUTHERN NEVADA. ML 3.0 (GS)
	29	08 39 16.8		5.417	S	152.625	E	49	*	5.0 4.6	0.9	57	NEW BRITAIN REGION, P.N.G.
	29	11 16 20.8*		14.167	N	146.628	E	61	*	4.3	0.7	19	MARIANA ISLANDS
	29	13 06 07.4		42.354	N	19.828	E	5	G		0.7	15	NORTHWESTERN BALKAN REGION. ML 2.3 (TIR), 2.0 (TTG).
	29	14 07 09.8		53.626	N	164.806	W	33	N	4.8 4.7	0.9	102	UNIMAK ISLAND REGION. ML 4.8 (PMR).
	29	14 12 32.9?		38.97	N	23.34	E	10	G		0.2	4	GREECE. MD 2.4 (THE).
	29	14 37 56.5&		59.938	N	152.727	W	100				39	SOUTHERN ALASKA. <AEIC>.
	29	16 17 19.9*		26.689	S	64.936	W	23		5.2	0.8	66	TUCUMAN PROVINCE, ARGENTINA. Some damage in the San Miguel de Tucuman area.
	29	16 23 16.1?		15.80	N	61.71	W	140	G		0.3	7	LEEWARD ISLANDS
	29	16 25 42.2%		42.653	N	18.604	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	29	16 26 57.9%		42.652	N	18.602	E	10	G		0.1	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	29	16 42 33.6		45.872	N	10.784	E	8			1.2	53	NORTHERN ITALY. ML 3.2 (VIE). MD 3.1 (TRI), 3.1 (ROM), 3.1 (LJU).
	29	17 00 44.3&		62.425	N	149.363	W	51				80	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.4 (PMR).
	29	17 56 11.2		45.885	N	10.763	E	11			1.1	36	NORTHERN ITALY. ML 2.7 (VIE), 2.6 (LDG), MD 2.8 (TRI).
	29	18 23 20.6		40.696	N	21.760	E	5	G		0.7	11	GREECE. MD 2.7 (THE).
	29	19 07 26.5		6.676	S	127.791	E	306		4.6	0.8	58	BANDA SEA
	29	19 28 58.3*		5.145	S	147.825	E	194	*	5.0	1.1	8	EASTERN NEW GUINEA REG., P.N.G.
	29	20 13 44.8?		40.38	N	27.87	E	10	G		0.4	4	TURKEY
	29	20 15 59.4?		45.26	N	152.26	E	33	N	4.4	1.0	14	EAST OF KURIL ISLANDS
	29	20 33 02.9?		44.65	N	152.49	E	33	N	4.5	1.2	11	EAST OF KURIL ISLANDS
	29	20 40 06.4?		18.40	N	69.36	W	33	N		1.1	12	DOMINICAN REPUBLIC REGION
	29	20 57 23.7%		40.539	N	23.512	E	10	G		0.5	5	GREECE. MD 2.1 (THE).
	29	21 19 57.7		24.305	S	66.996	W	167		4.5	0.9	36	SALTA PROVINCE, ARGENTINA
	29	21 42 21.0		36.549	N	71.454	E	185	D	4.6	1.0	100	AFGHANISTAN-TAJIKISTAN BORD REG.
	29	21 58 28.6?		45.69	N	7.01	E	10	G		0.6	4	NORTHERN ITALY. ML 2.2 (LDG).
	29	22 03 13.8		45.748	N	7.005	E	6			0.7	19	NORTHERN ITALY. ML 2.5 (LDG).
	29	22 25 49.2?		41.97	N	13.68	E	5	G		1.0	4	SOUTHERN ITALY
	29	22 33 32.7&		59.567	N	152.485	W	83				45	SOUTHERN ALASKA. <AEIC>.
	29	22 50 42.2%		44.557	N	8.512	E	10	G		0.2	7	NORTHERN ITALY
	29	22 57 13.4?		48.19	N	146.97	E	408	?	3.6	0.7	11	SEA OF OKHOTSK
	29	23 06 46.9		41.249	N	22.679	E	10	G		0.7	7	NORTHWESTERN BALKAN REGION. MD 2.0 (THE).
	29	23 30 33.8?		44.52	N	8.51	E	10	G		0.1	4	NORTHERN ITALY
	29	23 52 21.6?		16.20	N	61.74	W	120	?		0.4	10	LEEWARD ISLANDS. MD 3.0 (TRN).

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 19 04 04.53 35.106N 139.644E 100km
5.6mb (128 obs.)
NEAR S. COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 56C
Centroid Location:
Origin Time 19:04: 7.0 0.2
Lat 35.20N 0.02 Lon 139.70E 0.02
Dep 105.7 1.6 Half-duration 0.0
Principal Axes:
Scale 10**17 Nm

T	Val=	5.33	Plg=51	Azm= 96
N		0.32	3	189
P		-5.65	39	281

Best Double Couple:Mo=5.5*10**17
NP1:Strike= 33 Dip= 7 Slip= 114
NP2: 189 84 87

02 00 22 05.99 51.654S 139.406E 10km
5.7mb (32 obs.) 5.9Msz (5 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 82C
Centroid Location:
Origin Time 00:22:10.0 0.3
Lat 52.08S 0.03 Lon 139.42E 0.04
Dep 15.0 FIX Half-duration 4.2
Principal Axes:
Scale 10**18 Nm

T	Val=	1.39	Plg= 8	Azm= 46
N		-0.21	81	253
P		-1.18	4	137

Best Double Couple:Mo=1.3*10**18
NP1:Strike=182 Dip=81 Slip= 3
NP2: 91 87 171

02 00 31 30.94 51.547S 139.704E 10km
5.6mb (37 obs.) 6.3Msz (20 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 73C M.W.: 25S, 52C
Centroid Location:
Origin Time 00:31:35.4 0.2
Lat 51.93S 0.02 Lon 139.50E 0.03
Dep 15.0 FIX Half-duration 4.2
Principal Axes:
Scale 10**18 Nm

T	Val=	3.28	Plg= 1	Azm=224
N		-0.35	87	115
P		-2.93	3	314

Best Double Couple Mo=3.1*10**18
NP1:Strike=359 Dip=87 Slip= -1
NP2: 89 89 -177

02 17 43 35.63 45.445N 150.794E 36km
5.6mb (79 obs.) 5.6Msz (22 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 61C
Centroid Location:
Origin Time 17:43:40.5 0.3
Lat 45.59N 0.03 Lon 151.12E 0.04
Dep 30.9 BDY Half-duration 2.9
Principal Axes:
Scale 10**17 Nm

T	Val=	5.28	Plg=67	Azm=270
N		0.67	10	26
P		-5.95	20	120

Best Double Couple:Mo=5.6*10**17
NP1:Strike=227 Dip=27 Slip= 114
NP2: 21 66 79

03 07 13 44.62 6.187S 131.466E 95km
5.2mb (28 obs.)
TANIMBAR ISLANDS REG., INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 35C
Centroid Location:
Origin Time 07:13:46.5 0.8
Lat 6.11S 0.06 Lon 131.84E 0.06
Dep 100.8 3.3 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

T	Val=	8.71	Plg=57	Azm=284
N		-1.43	32	82
P		-7.28	10	178

Best Double Couple:Mo=8.0*10**16
NP1:Strike=301 Dip=45 Slip= 138
NP2: 63 62 54

04 01 58 39.74 7.138S 109.067E 58km
5.0mb (13 obs.) 4.4Msz (2 obs.)
JAWA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 17C
Centroid Location:
Origin Time 01:58:43.3 2.3
Lat 7.35S 0.15 Lon 109.75E 0.15
Dep 49.012.1 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm

T	Val=	4.23	Plg=56	Azm=167
N		0.63	33	329
P		-4.85	9	64

Best Double Couple:Mo=4.5*10**16
NP1:Strike=186 Dip=46 Slip= 138
NP2: 308 61 52

04 13 04 45.53 19.729S 178.120W 600km
5.4mb (50 obs.)
FIJI ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 49C
Centroid Location:
Origin Time 13:04:53.7 0.4
Lat 19.40S 0.04 Lon 177.94W 0.03
Dep 628.5 1.9 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.84 Plg=49 Azm=173
N 0.57 25 51
P -4.41 30 305
Best Double Couple:Mo=4.1*10**17
NP1:Strike=346 Dip=27 Slip= 23
NP2: 235 80 116

05 05 33 14.48 45.199N 150.980E 52km
5.6mb (88 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 27C
Centroid Location:
Origin Time 05:33:16.3 0.7
Lat 45.39N 0.08 Lon 151.37E 0.08
Dep 33.0 5.8 Half-duration 3.3
Principal Axes:
Scale 10**16 Nm
T Val= 13.48 Plg=27 Azm=133
N -2.49 20 234
P -10.99 55 356
Best Double Couple:Mo=1.2*10**17
NP1:Strike=184 Dip=26 Slip=-143
NP2: 60 75 -69

05 13 13 41.32 52.244N 170.225W 33km
5.5mb (89 obs.) 5.6Msz (23 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 73C
Centroid Location:
Origin Time 13:13:45.4 0.2
Lat 52.19N 0.02 Lon 170.09W 0.03
Dep 27.0 1.6 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 9.00 Plg=63 Azm=344
N -0.13 1 252
P -8.87 27 162
Best Double Couple:Mo=8.9*10**17
NP1:Strike=249 Dip=18 Slip= 87
NP2: 73 72 91

05 14 21 12.04 14.645N 92.591W 76km
4.9mb (43 obs.)
NEAR COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 40C
Centroid Location:
Origin Time 14:21:11.2 0.6
Lat 14.43N 0.05 Lon 92.71W 0.05
Dep 56.9 4.3 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.86 Plg=22 Azm= 45
N 0.20 18 143
P -2.06 61 270
Best Double Couple:Mo=2.0*10**17
NP1:Strike=105 Dip=28 Slip=-132
NP2: 330 69 -70

05 23 10 48.63 31.426N 66.825E 18km
5.1mb (48 obs.) 5.3Msz (11 obs.)
AFGHANISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 31C
Centroid Location:
Origin Time 23:10:49.6 1.1
Lat 31.42N 0.09 Lon 66.92E 0.09
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 2.12 Plg= 0 Azm=254
N -0.28 86 344
P -1.84 4 164
Best Double Couple:Mo=2.0*10**17
NP1:Strike=299 Dip=87 Slip=-177
NP2: 209 87 -3

06 01 12 38.55 5.720S 103.156E 37km
5.9mb (90 obs) 6.4Msz (43 obs.)
SOUTHERN SUMATERA, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=100 Dip=55 Slip= 90
NP2: 280 35 90
Principal Axes
T Plg=80 Azm= 10
P 10 190
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 1.1±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 35 No. of sta: 14
Principal Axes:
Scale 10**18 Nm
T Val= 7.27 Plg=80 Azm= 94
N 0.10 10 266
P -7.37 1 357
Best Double Couple:Mo=7.3*10**18
NP1:Strike= 96 Dip=45 Slip= 104
NP2: 257 47 77
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 80C M.W.: 18S, 25C
Centroid Location:
Origin Time 01:12:44.4 0.2
Lat 6.31S 0.02 Lon 103.21E 0.02
Dep 36.4 BDY Half-duration 2.6
Principal Axes:
Scale 10**18 Nm
T Val= 3.91 Plg=67 Azm= 26
N 0.14 0 117
P -4.05 23 207
Best Double Couple:Mo=4.0*10**18
NP1:Strike=298 Dip=22 Slip= 91
NP2: 117 68 90

06 03 54 37.61 5.684S 103.162E 33km
5.3mb (35 obs.) 5.4Msz (6 obs.)
SOUTHERN SUMATERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 38C
Centroid Location:
Origin Time 03:54:42.3 0.6
Lat 6.36S 0.06 Lon 103.42E 0.08
Dep 34.7 4.7 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 3.67 Plg=61 Azm= 28
N -0.51 9 282
P -3.16 27 187
Best Double Couple:Mo=3.4*10**17
NP1:Strike=256 Dip=20 Slip= 63
NP2: 105 73 99

07 06 35 25.99 52.912N 159.532E 48km
5.4mb (80 obs.) 4.4Msz (8 obs.)
OFF EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 41C
Centroid Location:
Origin Time 06:35:32.7 0.6
Lat 52.84N 0.07 Lon 159.91E 0.09
Dep 59.4 5.4 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 5.20 Plg=78 Azm=326
N 1.30 4 215
P -6.50 12 124
Best Double Couple:Mo=5.8*10**16
NP1:Strike=209 Dip=34 Slip= 82
NP2: 38 57 95

07 09 48 39.62 55.763N 160.803E 146km
5.0mb (68 obs.)
KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 32C
Centroid Location:
Origin Time 09:48:40.1 0.9
Lat 55.40N 0.09 Lon 161.45E 0.12
Dep 146.5 3.2 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 8.55 Plg=38 Azm=159
N 0 66 35 36
P -9.21 33 280
Best Double Couple:Mo=8.9*10**16
NP1:Strike=313 Dip=35 Slip= 5
NP2: 218 87 125

07 16 18 14.65 25.981S 176.854W 62km
5.2mb (16 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 32C
Centroid Location:
Origin Time 16:18:18.9 0.7
Lat 26.08S 0.08 Lon 176.74W 0.05
Dep 67.1 3.8 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.04 Plg=41 Azm= 81
N 0.55 35 209
P -10.59 29 323
Best Double Couple:Mo=1.0*10**17
NP1:Strike=105 Dip=36 Slip= 168
NP2: 204 83 54

08 08 22 34.29 7.031N 78.322W 33km
5.1mb (59 obs.) 4.3Msz (8 obs.)
PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 23C
Centroid Location:
Origin Time 08:22:34.2 4.7
Lat 7.14N 0.41 Lon 78.54W 0.10
Dep 15.0 FIX Half-durotian 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 3.66 Plg= 0 Azm=131
N 0.90 90 180
P -4.56 0 41
Best Double Couple:Mo=4.1*10**16
NP1:Strike=176 Dip=90 Slip=-180
NP2: 266 90 0

08 10 03 48.45 45.216N 150.937E 51km
5.1mb (69 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 18C
Centroid Location:
Origin Time 10:03:52.2 1.5
Lat 45.22N FIX;Lon 150.93E FIX
Dep 51.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 2.35 Plg=62 Azm=270
N -0.12 13 25
P -2.23 24 121
Best Double Couple:Mo=2.3*10**16
NP1:Strike=236 Dip=24 Slip= 123
NP2: 21 70 77

09 07 49 18.15 51.494N 178.389W 35km
5.1mb (63 obs.) 4.3Msz (2 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 24C
Centroid Location:
Origin Time 07:49:24.0 2.1
Lat 51.80N 0.20 Lon 177.79W 0.23
Dep 34.210.7 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 4.00 Plg=43 Azm=233
N 0.45 46 39
P -4.45 7 136
Best Double Couple:Mo=4.2*10**16
NP1:Strike=265 Dip=55 Slip= 151
NP2: 12 67 38

10 02 50 08.54 31.103N 139.769E 30km
4.9mb (28 obs.) 4.8Msz (2 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 42C
Centroid Location:
Origin Time 02:50: 7.8 0.5
Lat 31.04N 0.06 Lon 139.63E 0.06
Dep 15.0 FIX Half-duration 1.4
Principal Axes:

Scale 10**16 Nm
T Val= 7.13 Plg=13 Azm= 83
N 0.87 13 350
P -8.00 71 218
Best Double Couple:Mo=7.6*10**16
NP1:Strike=190 Dip=34 Slip= -67
NP2 342 60 -105

10 03 18 40 06 29.303N 142.099E 15km
5.1mb (47 obs.) 5.2Msz (1 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 26C
Centroid Location:
Origin Time 03:18:40.6 0.9
Lat 29.23N 0.14 Lon 142.54E 0.12
Dep 19.6 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 7.12 Plg=59 Azm=246
N -0.49 1 337
P -6.63 31 68
Best Double Couple:Mo=6.9*10**16
NP1:Strike=161 Dip=14 Slip= 94
NP2: 337 76 89

10 12 38 57.16 21.173N 121.901E 22km
5.0mb (29 obs.) 5.2Msz (3 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B. 22S, 43C
Centroid Location:
Origin Time 12:38:56.6 0.7
Lat 21.30N 0.05 Lon 121.97E 0.06
Dep 28.8 4.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 9.35 Plg=11 Azm= 32
N 1.93 78 241
P -11.28 6 123
Best Double Couple:Mo=1.0*10**17
NP1:Strike=168 Dip=78 Slip= 3
NP2: 77 87 168

11 10 25 40.79 9.239S 124.827E 27km
5.7mb (47 obs.) 5.2Msz (21 obs.)
TIMOR REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 62C
Centroid Location:
Origin Time 10:25:45.8 0.4
Lat 9.64S 0.04 Lon 125.24E 0.04
Dep 19.0 BDY Half-duration 2.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.99 Plg=67 Azm=352
N 0.76 5 249
P -4.74 22 157
Best Double Couple:Mo=4.4*10**17
NP1:Strike=237 Dip=24 Slip= 76
NP2: 71 67 96

11 22 11 24.27 51.457N 174.613W 52km
5.1mb (64 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P B.: 17S, 27C
Centroid Location:
Origin Time 22:11:24.1 1.8
Lat 51.30N 0.15 Lon 174.23W 0.17
Dep 54.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 2.93 Plg=73 Azm=240
N 0.40 17 63
P -3.33 1 333
Best Double Couple:Mo=3.1*10**16
NP1:Strike= 47 Dip=47 Slip= 66
NP2: 259 48 113

12 01 02 04.53 51.408N 177.980E 51km
5.0mb (71 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 51C
Centroid Location:
Origin Time 01:02: 3.9 0.6
Lat 51.48N 0.05 Lon 178.04E 0.10
Dep 15.0 FIX Half-duration 1.4
Principal Axes
Scale 10**16 Nm
T Val= 6.19 Plg=83 Azm=338
N -0.28 0 248
P -5.90 7 158
Best Double Couple:Mo=6.0*10**16
NP1:Strike=248 Dip=38 Slip= 90
NP2 68 52 90

12 11 56 53.60 17.798N 101.613W 32km
5.1mb (41 obs.) 4.6Msz (5 obs)
NEAR COAST OF GUERRERO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 45C
Centroid Location:
Origin Time 11:57: 0.1 0.4
Lat 17.78N 0.04 Lon 101.14W 0.06
Dep 33.9 3.9 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 6.87 Plg=82 Azm=191
N 0.30 4 309
P -7.18 7 39
Best Double Couple:Mo=7.0*10**16
NP1:Strike=134 Dip=38 Slip= 96
NP2: 306 52 85

12 17 06 23.71 16.222S 173.071W 48km
5.1mb (22 obs.) 5.2Msz (5 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used. GDSN
L.P.B.: 29S, 51C
Centroid Location:
Origin Time 17:06:28.7 0.4
Lat 16.10S 0.04 Lon 172.57W 0.06
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.63 Plg=48 Azm=103
N 0.24 38 312
P -1.87 15 210
Best Double Couple:Mo=1.8*10**17
NP1:Strike=261 Dip=45 Slip= 29
NP2: 149 70 131

13 01 29 13.19 15.894S 166.318E 10km
6.1mb (56 obs.) 6.8Msz (52 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=153 Dip=62 Slip= 90
NP2: 333 28 90
Principal Axes:
T Plg=73 Azm= 63
P 17 243
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 18 Focal mech. C
Energy 8.7±1.7*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 36S, **C M.W.: 23S, 58C
Centroid Location:
Origin Time 01:29:25.8 0.1
Lat 16.14S 0.01 Lon 166.36E 0.01
Dep 15.0 BDY Half-duration 9.4
Principal Axes:
Scale 10**19 Nm
T Val= 1.64 Plg=81 Azm=255
N 0.26 3 147
P -1.90 8 56
Best Double Couple:Mo=1.8*10**19
NP1:Strike=143 Dip=37 Slip= 85
NP2: 329 53 93

13 02 38 18.40 53.597N 165.734W 44km
5.4mb (89 obs.) 5.7Msz (4 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 49C
Centroid Location:
Origin Time 02:38:21.0 0.8
Lat 53.40N 0.15 Lon 165.58W 0.18
Dep 15.0 FIX Half-duration 4.2
Principal Axes:
Scale 10**17 Nm
T Val= 12.34 Plg=56 Azm=342
N -1.83 10 236
P -10.51 31 140
Best Double Couple:Mo=1.1*10**18
NP1:Strike=198 Dip=17 Slip= 51
NP2: 58 77 101

14 08 18 25.70 53.897N 108.866E 21km
5.3mb (65 obs.) 5.3Msz (3 obs.)
LAKE BAYKAL REGION, RUSSIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 47C
Centroid Location:
Origin Time 08:18:27.9 0.4
Lat 53.88N FIX;Lon 108.87E FIX
Dep 20.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.31 Plg=14 Azm=142
N -0.05 13 48
P -1.25 71 276
Best Double Couple:Mo=1.3*10**17
NP1:Strike=249 Dip=33 Slip= -65
NP2: 40 60 -105

14 12 02 03.09 4.382S 146.338E 42km
5.2mb (27 obs.) 5.2Msz (4 obs.)
EASTERN NEW GUINEA REG., P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 63C
Centroid Location:
Origin Time 12:02: 2.9 0.3
Lat 4.32S 0.03 Lon 146.61E 0.03
Dep 25.4 3.0 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.31 Plg=17 Azm=294
N -0.16 70 82
P -3.15 10 201
Best Double Couple:Mo=3.2*10**17
NP1:Strike=337 Dip=70 Slip= 175
NP2: 69 85 20

14 16 10 38.02 15.980S 166.556E 21km
5.3mb (21 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 30C
Centroid Location:
Origin Time 16:10:43.0 1.1
Lat 15.87S 0.13 Lon 166.40E 0.10
Dep 31.8 8.0 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.66 Plg=66 Azm=341
N 0.32 23 176
P -4.98 6 83
Best Double Couple:Mo=4.8*10**16
NP1:Strike=150 Dip=44 Slip= 55
NP2: 13 55 119

14 16 32 35.92 7.644S 146.835E 13km
5.3mb (25 obs.)
EASTERN NEW GUINEA REG., P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 29C
Centroid Location:
Origin Time 16:32:38.2 1.3
Lat 7.70S 0.10 Lon 146.94E 0.09
Dep 26.7 6.1 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 6.10 Plg= 2 Azm=194
N 3.82 34 102
P -9.93 56 287
Best Double Couple:Mo=8.0*10**16
NP1:Strike=314 Dip=52 Slip= -45
NP2: 75 56 -132

17 00 01 56.61 79.191N 124.482E 10km
5.9mb (114 obs.) 5.6Msz (22 obs.)
EAST OF SEVERNAYA ZEMLYA, RUSSIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 85 Dip=60 Slip=-162
NP2: 346 74 -31
Principal Axes:
T Plg= 9 Azm= 38
P 33 302
Comment: The focal mechanism is

poorly controlled and corresponds to strike-slip faulting with a moderate normal component The preferred fault plane is not determined
RADIATED ENERGY
No. of sta: 12 Focal mech. F
Energy 6.5±1.8*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 20 No. of sta: 21
Principal Axes:
Scale 10**18 Nm
T Val= 1.03 Plg= 4 Azm=210
N -0.05 48 115
P -0.98 42 303
Best Double Couple:Mo=1.0*10**18
NP1:Strike=338 Dip=59 Slip= -30
NP2: 84 65 -145
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 76C M.W.: 21S, 30C
Centroid Location:
Origin Time 00:02: 1.8 0.1
Lat 79.25N 0.02 Lon 124.10E 0.08
Dep 15.0 BDY Half-duration 3.7
Principal Axes:
Scale 10**17 Nm
T Val= 10.28 Plg= 6 Azm= 68
N -0.15 20 160
P -10.13 69 321
Best Double Couple:Mo=1.0*10**18
NP1:Strike=137 Dip=43 Slip=-120
NP2: 355 54 -65

17 04 37 31.42 55.979S 158.123E 33km
5.5mb (12 obs.) 5.5Msz (2 obs.)
MACQUARIE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 74C
Centroid Location:
Origin Time 04:37:40.1 0.3
Lat 56.06S 0.03 Lon 157.84E 0.05
Dep 15.0 FIX Half-duration 3.7
Principal Axes:
Scale 10**18 Nm
T Val= 1.77 Plg= 6 Azm=335
N 0.36 62 77
P -2.13 28 242
Best Double Couple:Mo=2.0*10**18
NP1:Strike= 22 Dip=66 Slip=-164
NP2: 286 75 -25

17 04 42 08.45 21.647S 170.412E 137km
5.6mb (39 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 61C
Centroid Location:
Origin Time 04:42:10 5 0.7
Lat 21.89S 0.07 Lon 170.25E 0.05
Dep 148.2 1.4 Half-duration 4.6
Principal Axes:
Scale 10**18 Nm
T Val= 2.26 Plg=10 Azm=313
N -0.17 64 64
P -2.09 24 218
Best Double Couple:Mo=2.2*10**18
NP1:Strike=358 Dip=66 Slip=-170
NP2: 264 81 -25

19 03 18 34.29 9.696S 154.676E 21km
5.1mb (13 obs.) 4.8Msz (4 obs.)
D'ENTRECASTEAUX ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 54C
Centroid Location:
Origin Time 03:18:35.8 0.5
Lat 9.97S 0.06 Lon 154.94E 0.05
Dep 16.3 2.8 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 11.00 Plg=17 Azm=351
N 0.89 2 260
P -11.89 73 164
Best Double Couple:Mo=1.1*10**17
NP1:Strike= 84 Dip=28 Slip= -86
NP2: 259 62 -92

19 11 36 56.30 28.038N 142.519E 30km
5.4mb (68 obs) 5.1Msz (6 obs)
BONIN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L.P.B 25S 52C
Centroid Location:
Origin Time 11:36:55.9 0.4
Lat 27 82N 0.06 Lon 142.64E 0.04
Dep 26.2 2.5 Half-duration 2.3
Principal Axes.
Scale 10**17 Nm
T Val= 1.79 Plg=62 Azm=258
N 0.23 4 356
P -2.02 28 88
Best Double Cauple:Ma=1.9*10**17
NP1:Strike=190 Dip=17 Slip= 105
NP2: 355 73 85

20 15 44 42.39 15.382S 177.108W 379km
5.3mb (51 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 75C
Centroid Location:
Origin Time 15:44:49.9 0.2
Lat 15.00S 0.02 Lon 177.20W 0.02
Dep 379.5 0.9 Half-duration 3.8
Principal Axes:
Scale 10**17 Nm
T Val= 11.27 Plg=14 Azm=280
N -3.16 52 173
P -8.11 35 20
Best Double Cauple:Ma=9.7*10**17
NP1:Strike= 54 Dip=55 Slip= -17
NP2: 154 76 -144

20 17 47 20.33 12.90BN 145.245E 45km
5.5mb (43 obs.) 5.6Msz (18 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 44C
Centroid Location:
Origin Time 17:47:30.1 0.3
Lat 12.91N FIX;Lan 145.26E FIX
Dep 45.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.64 Plg=32 Azm=222
N 1.06 56 19
P -4.70 10 125
Best Double Cauple:Ma=4.2*10**17
NP1:Strike=259 Dip=60 Slip= 163
NP2: 357 76 31

20 20 35 24.33 33.631S 179.533W 48km
5.5mb (29 obs.) 5.1Msz (5 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 47C
Centroid Location:
Origin Time 20:35:25.1 0.3
Lat 33.58S 0.04 Lan 179.16W 0.04
Dep 58.9 3.3 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.89 Plg=29 Azm=287
N -0.01 1 18
P -1.88 61 110
Best Double Cauple:Ma=1.9*10**17
NP1:Strike= 13 Dip=17 Slip= -94
NP2: 198 74 -89

21 14 42 29.17 6.228S 147.613E 55km
5.5mb (50 obs.) 5.8Msz (26 obs.)
EASTERN NEW GUINEA REG., P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, B2C
Centroid Location:
Origin Time 14:42:32.4 0.2
Lat 6.51S 0.02 Lan 148.01E 0.02
Dep 31.8 BDY Half-duration 3.6
Principal Axes:
Scale 10**17 Nm
T Val= 10.61 Plg=73 Azm= 25
N 0.97 4 284
P -11.59 17 192
Best Double Cauple:Ma=1.1*10**18
NP1:Strike=277 Dip=29 Slip= 83
NP2: 105 62 94

21 17 13 19.79 2.075N 128.408E 80km
5.5mb (68 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 47C
Centroid Location:
Origin Time 17:13:21.8 0.3
Lat 2.14N 0.03 Lon 128.44E 0.03
Dep 86.7 3.1 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.93 Plg=53 Azm=332
N -0.36 29 108
P -1.57 21 211
Best Double Cauple:Ma=1.8*10**17
NP1:Strike=341 Dip=35 Slip= 148
NP2: 98 72 60

21 18 30 46.05 1.976N 126.771E 33km
5.4mb (50 obs.) 4.4Msz (6 obs.)
NORTHERN MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 32C
Centroid Location:
Origin Time 18:30:51.8 0.7
Lat 2.43N 0.08 Lan 126.88E 0.07
Dep 31.4 4.5 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 12.62 Plg=64 Azm=184
N -1.18 23 33
P -11.44 11 298
Best Double Cauple:Ma=1.2*10**17
NP1:Strike= 1 Dip=39 Slip= 52
NP2: 227 60 117

21 22 09 55.04 13.969N 92.216W 55km
4.9mb (45 obs.)
OFF COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 62C
Centroid Location:
Origin Time 22:09:52.9 0.3
Lat 13.57N 0.03 Lan 92.49W 0.03
Dep 16.3 1.6 Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 5.41 Plg=62 Azm= 36
N -0.43 2 302
P -4.98 27 210
Best Double Cauple:Ma=5.2*10**17
NP1:Strike=294 Dip=18 Slip= 82
NP2: 122 72 92

22 11 28 07.14 17.999N 169.954E 30km
5.3mb (39 obs.) 4.5Msz (1 obs.)
NORTH PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 30C
Centroid Location:
Origin Time 11:28: 8.9 1.2
Lat 17.84N 0.13 Lan 170.35E 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.82 Plg=56 Azm=108
N -1.68 26 332
P -6.14 20 232
Best Double Cauple:Ma=7.0*10**16
NP1:Strike=285 Dip=34 Slip= 38
NP2: 162 70 118

24 00 57 53.60 30.879N 141.759E 43km
5.0mb (40 obs.) 4.5Msz (5 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 21C
Centroid Location:
Origin Time 00:57:53.6 0.9
Lat 31.22N 0.09 Lon 142.02E 0.08
Dep 43.9 6.2 Half-duration 2.1
Principal Axes:
Scale 10**16 Nm
T Val= 4.12 Plg=72 Azm=243
N 1.33 9 2
P -5.45 16 95
Best Double Cauple:Ma=4.8*10**16
NP1:Strike=198 Dip=30 Slip= 108

NP2: 357 61 80

26 03 45 19.78 11.803N 57.764E 10km
5.8mb (92 obs.) 5.5Msz (37 obs.)
ARABIAN SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=110 Dip=90 Slip=-180
NP2: 200 90 0
Principal Axes:
T Plg= 0 Azm= 65
P 0 155
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. C
Energy 6.4±1.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 8 No. of sta: 9
Principal Axes:
Scale 10**18 Nm
T Val= 1.02 Plg=25 Azm= 82
N -0.01 58 219
P -1.01 19 343
Best Double Couple:Mo=1.0*10**18
NP1:Strike=121 Dip=58 Slip= 176
NP2: 214 86 32
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 79C
Centroid Location:
Origin Time 03:45:22.5 0.2
Lat 11.84N 0.03 Lon 57.56E 0.02
Dep 15.0 FIX Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 9.72 Plg=17 Azm= 74
N -0.81 73 243
P -8.91 3 343
Best Double Couple:Mo=9.3*10**17
NP1:Strike=117 Dip=76 Slip= 170
NP2: 210 81 14

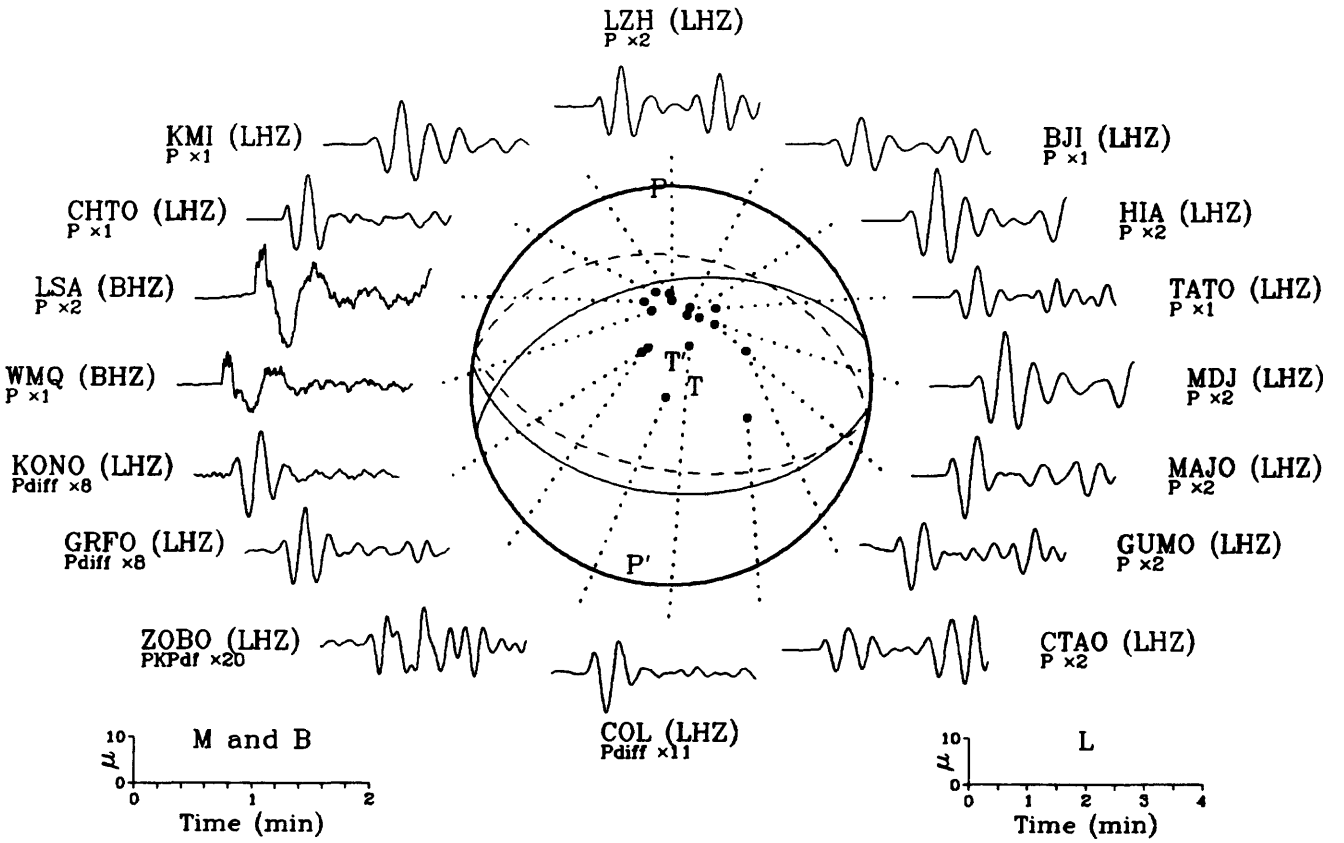
27 20 05 23.84 6.191S 147.576E 39km
5.9mb (63 obs.) 6.6Msz (38 obs.)
EASTERN NEW GUINEA REG., P.N.G
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=119 Dip=51 Slip= 90
NP2: 299 39 90
Principal Axes:
T Plg=84 Azm= 29
P 6 209
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 8 Focal mech. M
Energy 1.6±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 38 No. of sta: 18
Principal Axes:
Scale 10**19 Nm
T Val= 1.06 Plg=79 Azm= 57
N -0.07 10 262
P -1.00 4 172
Best Double Couple:Mo=1.0*10**19
NP1:Strike=251 Dip=41 Slip= 75
NP2: 90 50 103
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 70C M.W.: 19S, 44C
Centroid Location:
Origin Time 20:05:34.0 0.1
Lat 6.43S 0.01 Lon 147.73E 0.01
Dep 39.2 BDY Half-duration 3.9
Principal Axes:
Scale 10**18 Nm
T Val= 11.03 Plg=76 Azm=345
N 0.43 6 99
P -11.47 13 191
Best Double Couple:Mo=1.1*10**19
NP1:Strike=289 Dip=32 Slip= 101
NP2: 95 58 83

28 09 14 09.12 24.369S 69.924W 58km
5.7mb (57 obs.)
NORTHERN CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=175 Dip=68 Slip= 60
NP2: 52 37 141
Principal Axes
T Plg=56 Azm= 45
P 18 287
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate left-lateral strike-slip component. The preferred fault plane is NP2.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 56C
Centroid Location:
Origin Time 09:14:15.1 0.2
Lat 24.21S 0.04 Lon 69.56W 0.03
Dep 77.4 2.7 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 6.74 Plg=33 Azm= 66
N -1.19 46 199
P -5.54 25 318
Best Double Couple:Mo=6.1*10**17
NP1:Strike= 99 Dip=47 Slip= 173
NP2: 194 85 43

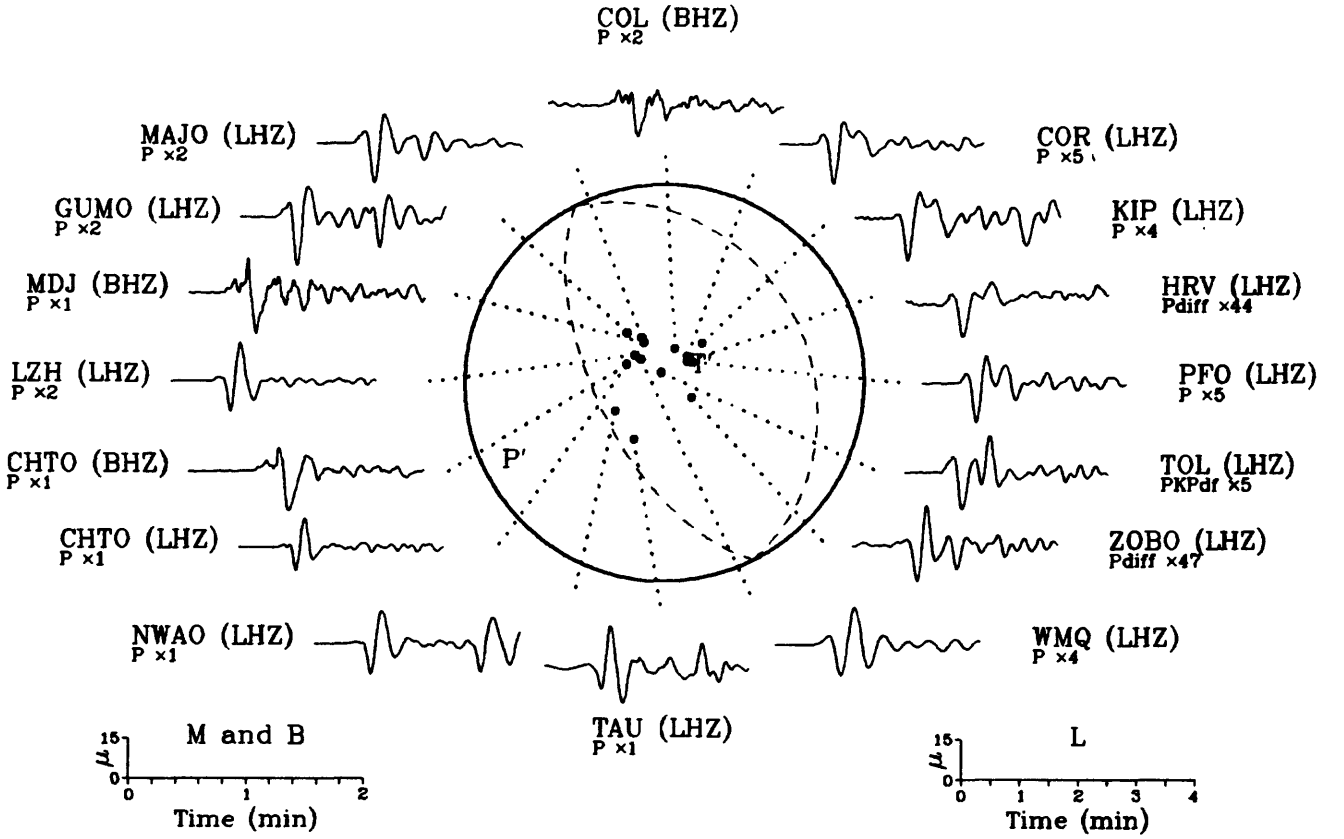
29 05 42 45.78 12.265N 141.242E 33km
5.5mb (58 obs.) 4.8Msz (6 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 53C
Centroid Location:
Origin Time 05:42:53.7 0.4
Lat 12.32N 0.04 Lon 141.11E 0.03
Dep 18.0 1.9 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.62 Plg=25 Azm=341
N 0.01 1 251
P -2.63 65 159
Best Double Couple:Mo=2.6*10**17
NP1:Strike= 73 Dip=20 Slip= -88
NP2: 251 70 -91

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

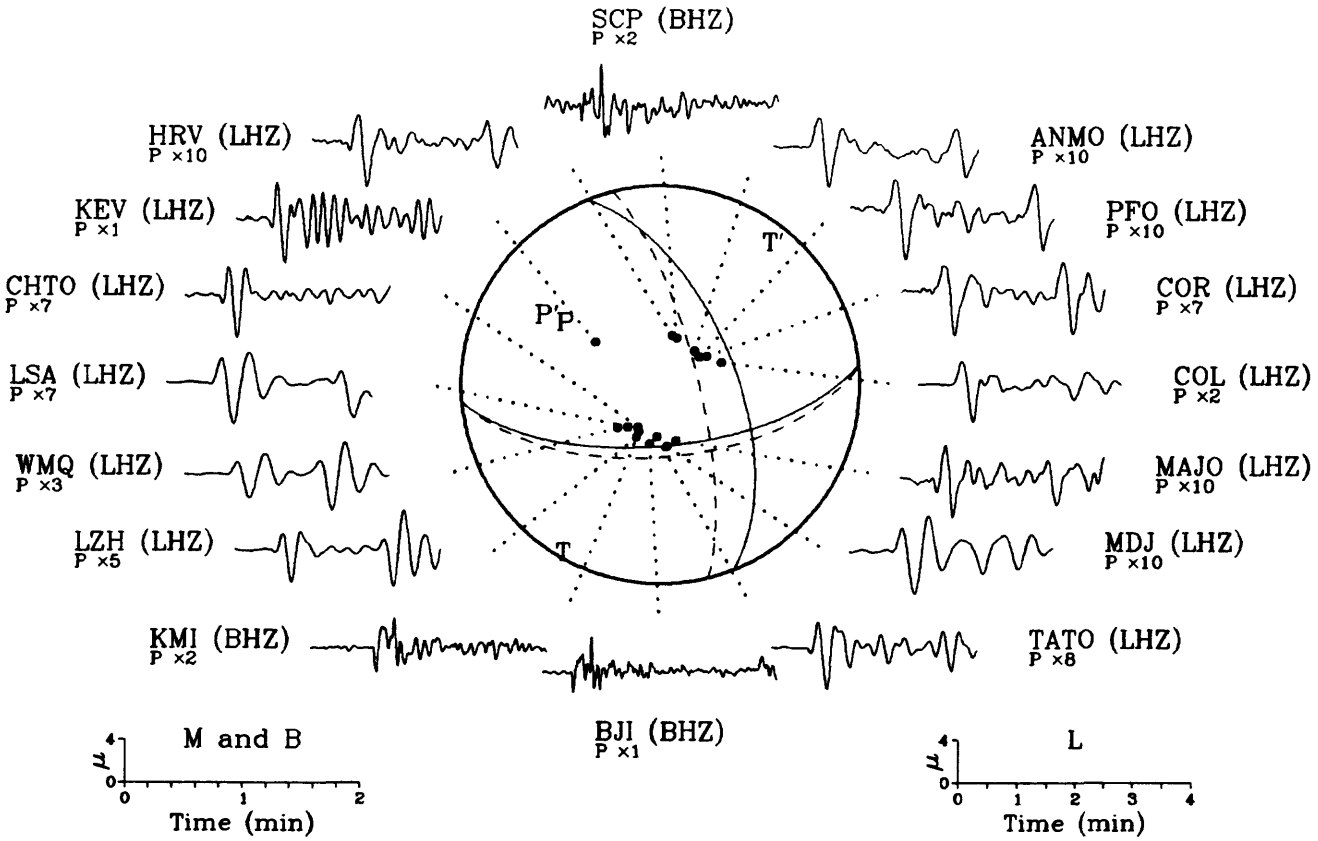
06 February 1992 01:12:38.55
Southern Sumatera, Indonesia



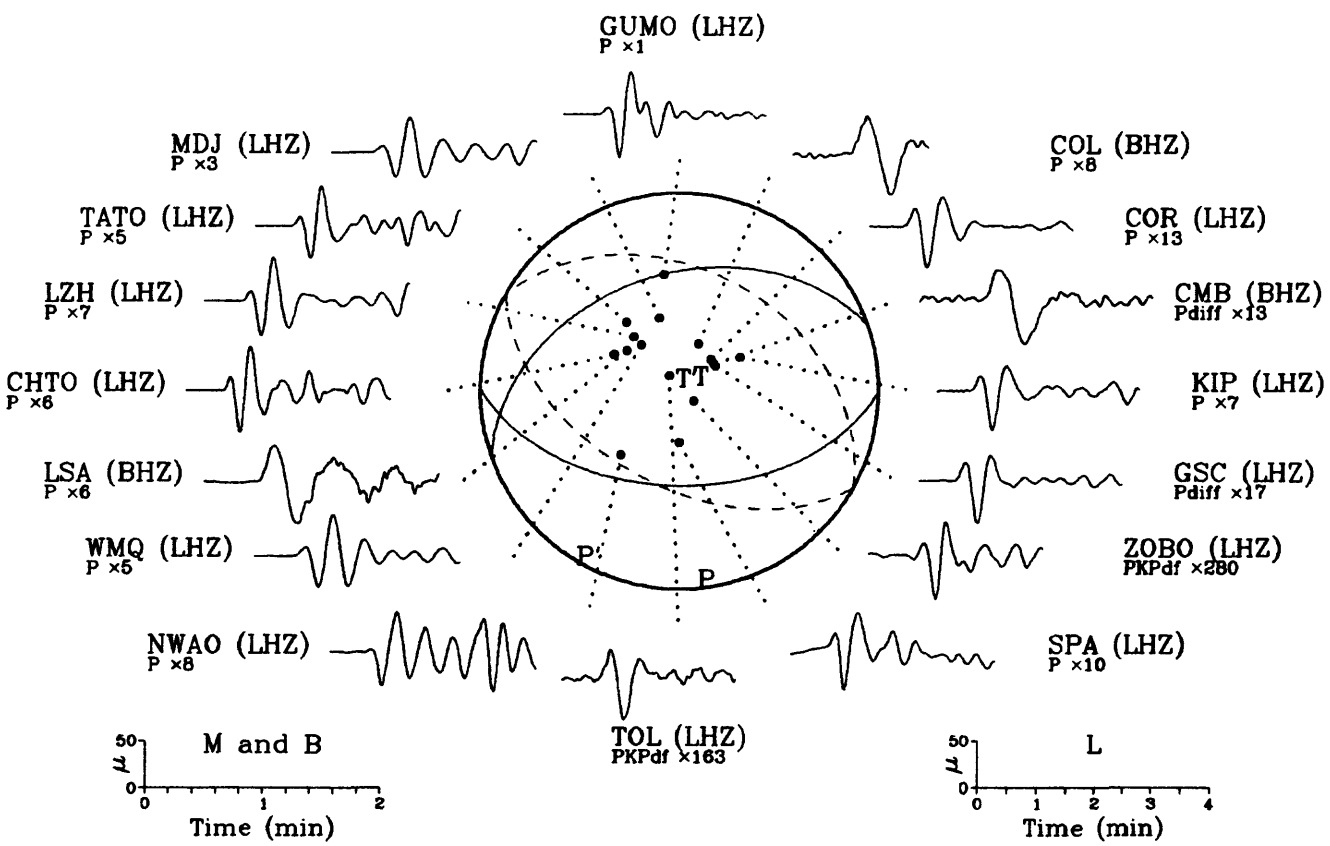
13 February 1992 01:29:13.19
Vanuatu Islands



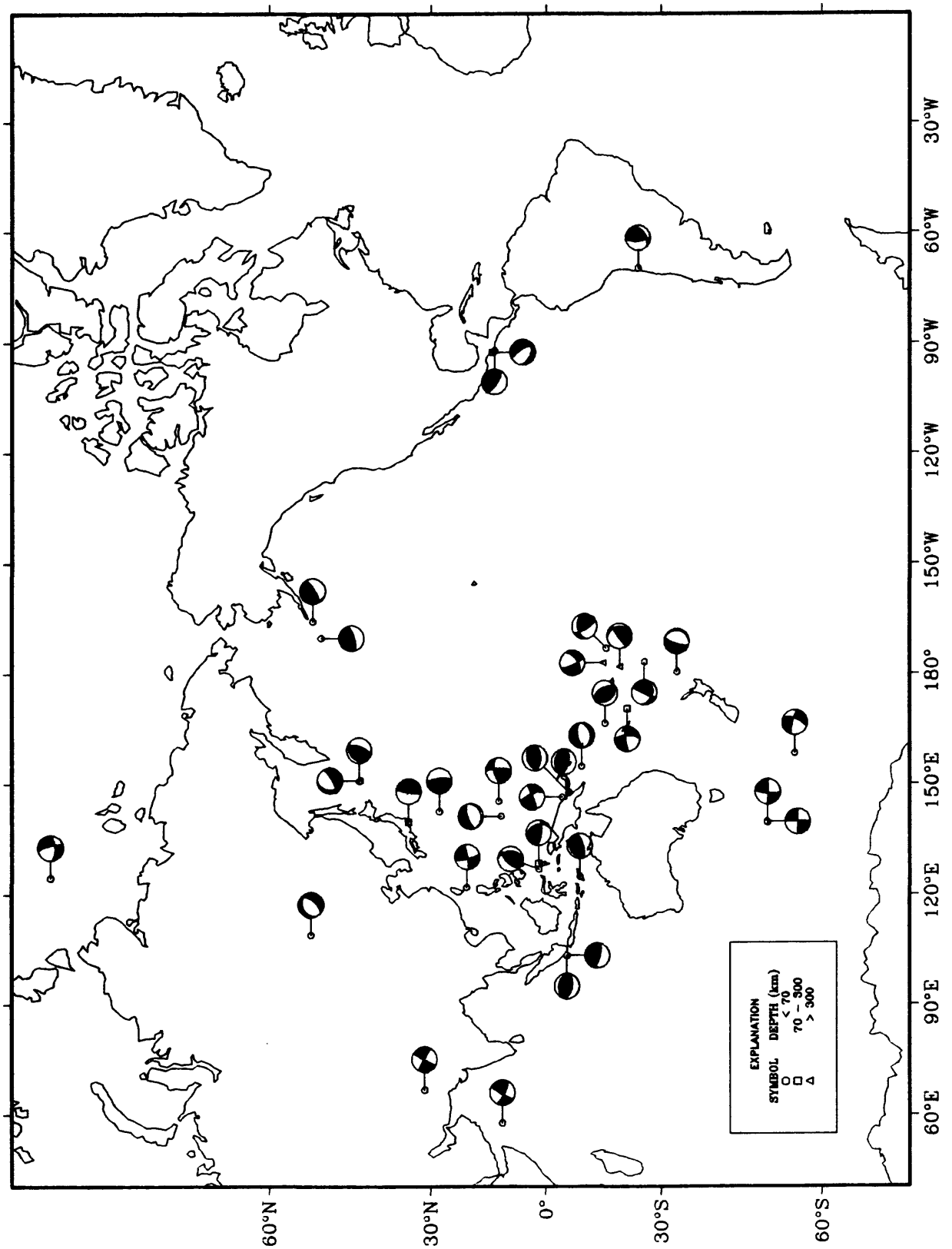
17 February 1992 00:01:56.61
East of Severnaya Zemlya, Russia

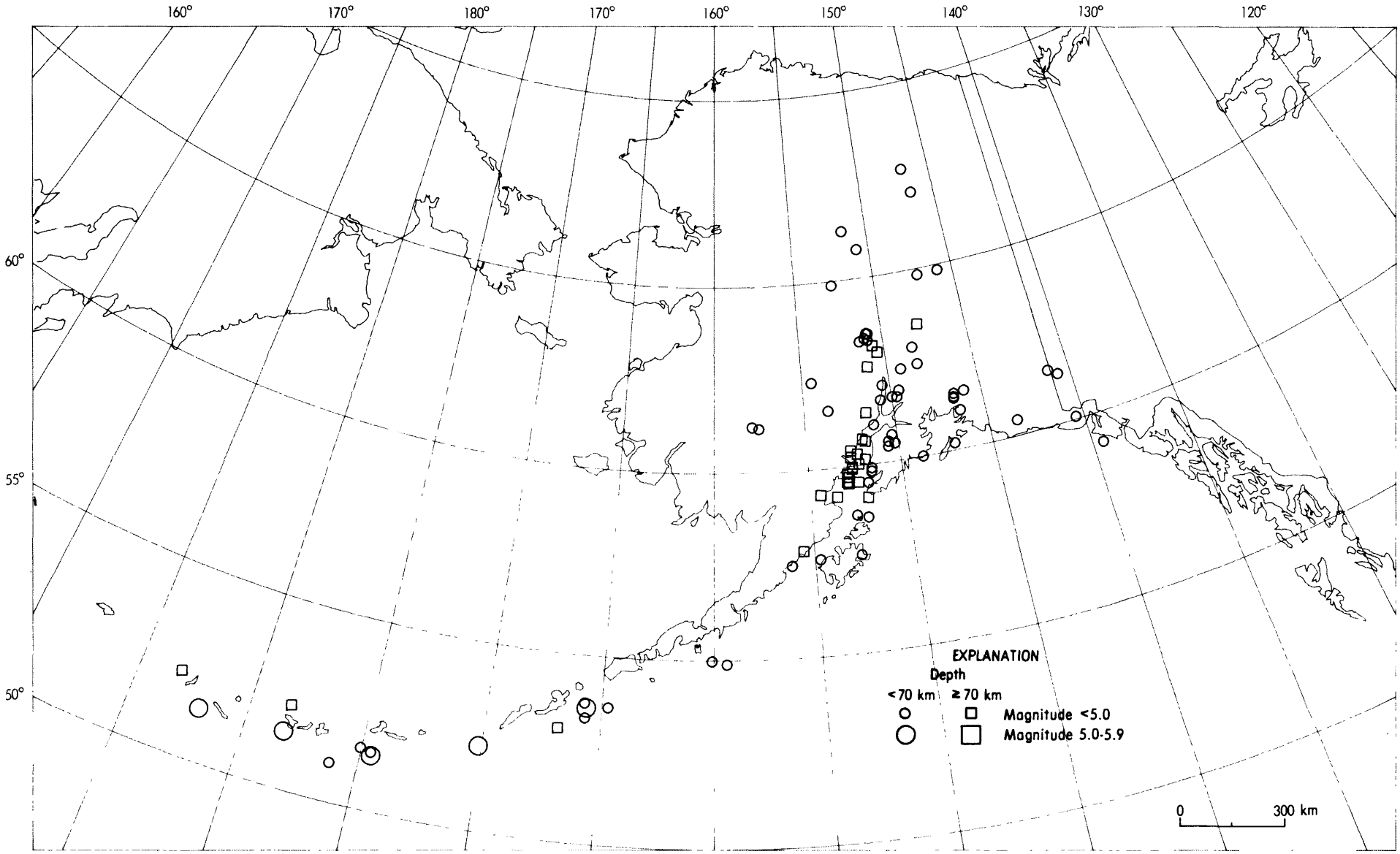


27 February 1992 20:05:23.84
Eastern New Guinea Reg., P.N.G.

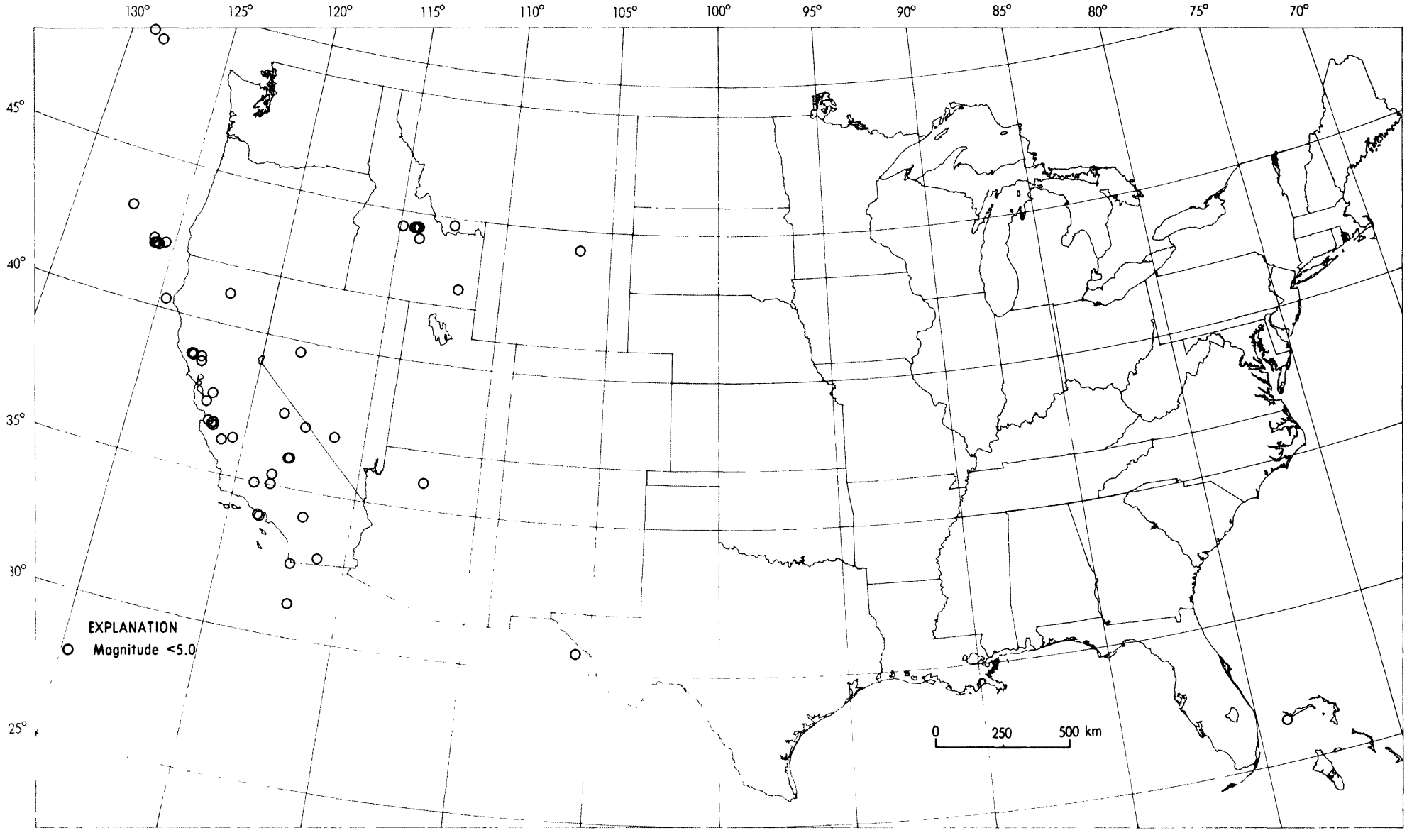


Earthquake Focal Mechanisms for February 1992

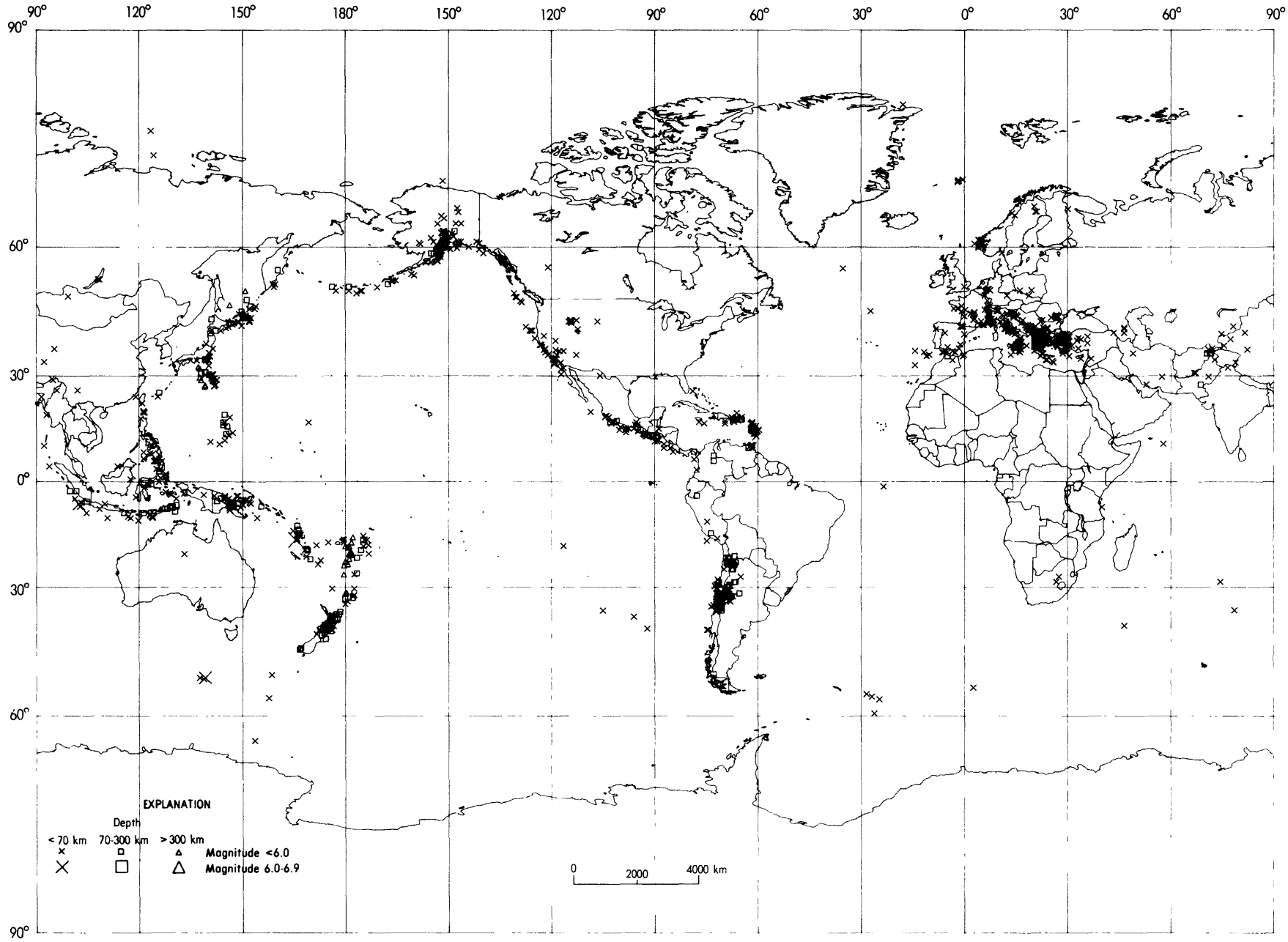




Earthquake epicenters in Alaska and adjacent regions for February, 1992 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for February, 1992 (C. Stover).



Earthquakes located in February, 1992 (C. Stover).

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PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

MARCH 1992

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	09	18.6?	17.33	N	146.19	E	77	?	4.3		0.8	8	MARIANA ISLANDS
	01	01	31	53.0&	60.472	N	152.063	W	75					69	SOUTHERN ALASKA. <AEIC>.
	01	01	55	53.9	40 493	N	23.653	E	10	G			0.4	8	GREECE. MD 1.7 (THE).
	01	02	14	50.7%	42 272	N	7.809	W	10	G			0.5	6	SPAIN. mbLg 2.7 (MDD).
	01	02	27	55.2	38.627	N	31.452	E	10	G			0.6	10	TURKEY
	01	04	33	35.4?	42 69	N	0.23	E	10	G			1.0	5	PYRENEES. ML 2.4 (LDG).
	01	05	1B	22.3	5.723	N	125.726	E	38	D	4.9		0.9	37	MINDANAO, PHILIPPINE ISLANDS
	01	05	54	09.8	37.911	N	116.117	W	5	G			0.4	47	SOUTHERN NEVADA. ML 3.0 (GS).
	01	06	15	19.4	6.825	S	75.926	W	33	N	4.9	4.5	0.9	78	NORTHERN PERU
	01	06	1B	28.6*	36.165	N	73.434	E	33	N	3.7		0.6	8	NORTHWESTERN KASHMIR
	01	06	31	48.1%	17.067	N	99.726	W	33	N			1.4	8	GUERRERO, MEXICO
	01	07	59	26.1?	40.80	N	30.33	E	10	G			0.5	5	TURKEY
	01	09	05	09.7%	44.702	N	6.713	E	10	G			0.4	7	FRANCE
	01	09	16	30.3%	39.109	N	27.567	E	10	G			0.5	5	TURKEY
	01	10	27	55.5?	39.10	N	19.11	E	10	G			0.7	6	GREECE-ALBANIA BORDER REGION
	01	10	49	58.8%	41.147	N	28.502	E	10	G			0.3	7	TURKEY
	01	11	15	12.4	2.239	S	29.144	E	10	G	4.5		1.1	23	LAKE TANGANYIKA REGION. mbLg 4.9 (BUL).
	01	11	24	39.4	39.014	N	26.018	E	10	G			0.8	40	TURKEY ML 3.6 (ATH). MD 3.7 (THE)
	01	11	32	40.9?	39.19	N	26.21	E	10	G			0.3	5	TURKEY
	01	11	35	06.5%	39.074	N	26.170	E	10	G			0.8	9	TURKEY
	01	11	35	33.8	40.781	N	19.686	E	10	G			1.1	25	ALBANIA. ML 2.9 (TTG), 2.5 (TIR).
	01	11	58	29.5%	39.177	N	26.366	E	10	G			0.1	5	TURKEY
	01	12	01	48.1	39.002	N	25.991	E	7				0.9	40	AEGEAN SEA ML 3.7 (ATH). MD 3.6 (THE).
	01	12	51	50.0?	38.99	N	25.61	E	10	G			0.3	5	AEGEAN SEA
	01	13	22	37.2&	62.005	N	148.871	W	34					66	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.2 (PMR).
	01	13	55	08.5?	39.01	N	25.77	E	10	G			0.3	7	AEGEAN SEA
	01	14	44	15.6	39.005	N	25.996	E	5	G	4.1		1.0	65	AEGEAN SEA ML 3.8 (ATH) MD 3.9 (THE).
	01	15	07	44.4	39.017	N	25.952	E	10	G			0.6	21	AEGEAN SEA
	01	15	09	28.3	39.019	N	25.987	E	7		3.9		1.0	48	AEGEAN SEA ML 3.9 (ATH).
	01	15	12	28.4?	39.00	N	25.79	E	10	G			0.4	6	AEGEAN SEA
	01	15	14	24.2	38.996	N	25.941	E	12				0.7	15	AEGEAN SEA
	01	15	30	20.2	38.940	N	25.922	E	10	G			1.2	17	AEGEAN SEA
	01	15	33	19.1?	11.59	N	145.28	E	33	N	4.0		1.4	7	SOUTH OF MARIANA ISLANDS
	01	15	37	23.4	23.414	N	94.573	E	84	*	4.0		1.4	27	MYANMAR-INDIA BORDER REGION
	01	15	40	08.2?	38.97	N	25.80	E	10	G			0.5	6	AEGEAN SEA
	01	15	49	18.5%	39.202	N	26.340	E	10	G			0.5	5	TURKEY
	01	16	00	50.9?	38.98	N	25.86	E	10	G			0.6	6	AEGEAN SEA
	01	16	02	14.0?	39.17	N	26.19	E	10	G			0.4	5	TURKEY
	01	16	32	39.9*	39.125	N	26.285	E	21	*			1 1	11	TURKEY
	01	16	42	25.5?	33.17	S	71.49	W	33	N			0.9	16	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN). Felt (IV) at Valparaiso, (III) at Casablanca; (II) at Santiago, Quillota and Quinteras.
	01	16	43	46.9	39.018	N	25.954	E	10	G			0.6	29	AEGEAN SEA ML 3 4 (ATH).
	01	16	50	31.1%	37.367	S	177.742	E	216	?			0.8	27	OFF E. COAST OF N. ISLAND, N.Z.
	01	17	01	22.2%	40.719	N	27.645	E	10	G			0.5	5	TURKEY
	01	17	11	04.2?	39.08	N	25.93	E	10	G			0.7	10	AEGEAN SEA
	01	17	38	21.6	3B.960	N	26.014	E	5	G	4.0		1.2	83	AEGEAN SEA ML 3.8 (ATH). MD 3.8 (THE).
	01	17	46	32.2?	39.08	N	25.93	E	10	G			0.3	6	AEGEAN SEA
	01	17	59	36.5	39.048	N	26.003	E	13				0.9	33	TURKEY. ML 3.6 (ATH) MD 3.7 (THE).
	01	18	04	42.3?	38.94	N	25.78	E	10	G			0.8	6	AEGEAN SEA
	01	18	19	48.2*	31.411	S	71.958	W	49	*			1.1	21	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	01	18	34	30.5	39.013	N	25.996	E	10	G			0.6	28	AEGEAN SEA. MD 3.3 (THE).
	01	19	17	02.1%	39.137	N	26.167	E	10	G			0.8	8	TURKEY
	01	19	29	09.5?	39.06	N	25.83	E	10	G			0.6	9	AEGEAN SEA
	01	19	33	35.2%	43.277	S	173.840	E	33	N			0.2	19	OFF E. COAST OF S. ISLAND, N.Z.
	01	19	55	41.9*	16.061	N	119.919	E	33	N	4.5	4.0	1.3	27	LUZON, PHILIPPINE ISLANDS. Felt (II RF) at San Fernando and Baguio.
	01	20	19	09.9	43.841	N	8.622	E	10	G			0.5	11	CORSICA. ML 2.2 (LDG).

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	01	20 37	00.4%	40.734	N	22.581	E	10	G			0.3	9	GREECE MD 2.0 (THE).
	01	20 54	33.3%	45.053	N	3.011	E	10	G			1.1	10	FRANCE. ML 2.4 (STR), 2.2 (LDG).
	01	21 13	22.3*	36.448	N	71.486	E	33	N	3.9		1.2	15	AFGHANISTAN-TAJIKISTAN BORD REG.
	01	21 34	08.2%	42.096	N	19.276	E	10	G			0.3	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	01	22 31	47.6	41.821	N	19.644	E	10	G			1.0	23	ALBANIA. ML 2.7 (TTG), 2.5 (TIR).
	01	23 57	09.6&	60.972	N	150.722	W	47					59	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	02	01 20	26.6?	39.36	N	25.88	E	10	G			0.7	6	AEGEAN SEA
	02	01 23	18.5?	31.83	S	68.67	W	33	N			1.5	5	SAN JUAN PROVINCE, ARGENTINA
	02	01 36	45.4	39.005	N	25.955	E	10	G			0.5	31	AEGEAN SEA ML 3.7 (ATH). MD 3.7 (THE).
	02	01 40	22.0?	41.81	N	22.85	E	10	G			0 4	7	NORTHWESTERN BALKAN REGION MD 2.5 (THE).
	02	02 15	44.3	17 480	N	63.168	W	168		3.6		0.6	24	LEEWARD ISLANDS. MD 3.3 (TRN).
	02	02 42	18.9	40.395	S	176.574	E	46		4.4		0.8	34	NORTH ISLAND, NEW ZEALAND
	02	02 59	54.6?	39.04	N	25.84	E	10	G			0.5	6	AEGEAN SEA
	02	03 48	32.9*	45.207	N	151.977	E	41	D	4.7		1.4	47	KURIL ISLANDS
	02	04 28	04.3*	45.555	N	151.822	E	42	D	4.9	4.4	1.0	76	KURIL ISLANDS
	02	04 50	02.4?	40.33	N	32.99	E	10	G			0.4	8	TURKEY
	02	05 08	27.0&	34.002	N	97.585	W	5	G				6	OKLAHOMA. <TUL>. MD 1.9 (TUL).
	02	06 22	50.3*	43.886	N	8.507	E	10	G			0.2	9	CORSICA. ML 2.1 (GEN).
	02	06 30	03.2*	9.689	S	119.368	E	46	?	4.7		1.2	14	SUMBA REGION, INDONESIA
	02	06 52	34.3&	59.202	N	152.068	W	79					45	SOUTHERN ALASKA. <AEIC>.
	02	07 17	58.0?	37.75	N	14.97	E	10	G			0.6	4	SICILY
	02	07 21	58.9%	39.075	N	26.217	E	10	G			0.5	7	TURKEY
a	02	09 05	56.4	40.337	S	176.363	E	28	D	5.3	5.3	1.1	100	NORTH ISLAND, NEW ZEALAND. Mo=2.0*10**17 Nm (PPT).
	02	09 07	54.5	34.315	S	70.375	W	10	G			0.9	14	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	02	09 30	23.4*	41.272	N	23.432	E	10	G			0.5	6	GREECE-BULGARIA BORDER REGION. MD 2.1 (THE).
	02	09 46	41 6?	37.35	N	21.49	E	10	G			0.5	11	SOUTHERN GREECE. ML 3.2 (ATH). MD 3.1 (THE).
	02	10 04	57.6	43.739	N	8.444	E	10	G			0.7	17	CORSICA. ML 2.5 (GEN), 2.3 (LDG), 1.9 (STR).
	02	10 10	38.5	43.753	N	8.411	E	10	G			0.4	15	CORSICA. ML 2.4 (GEN), 2.1 (LDG).
	02	10 25	09.5?	38.99	N	25.70	E	25				0.8	9	AEGEAN SEA
	02	10 51	01.8?	33.26	S	72.19	W	10	G			0.3	8	OFF COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	02	11 19	59.0&	35.717	N	121.365	W	7					5	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	02	11 25	57.2*	38.945	N	25.654	E	33	N			1.3	10	AEGEAN SEA
	02	11 26	08.4	40.518	S	176.671	E	58	*	3.9		1.4	43	NORTH ISLAND, NEW ZEALAND
	02	11 27	45.8	43.780	N	8.374	E	10	G			0.6	10	CORSICA. ML 2.2 (GEN), 1.8 (LDG).
	02	11 40	21.1%	39.039	N	26.086	E	15				0.3	11	TURKEY
	02	12 09	11.4*	40.689	N	30.301	E	10	G			0.8	11	TURKEY
	02	12 19	04.2	41.943	N	142.296	E	75	D	4.8		1.0	73	HOKKAIDO, JAPAN REGION
f	02	12 29	39.5	52.915	N	159.886	E	39	G	6.5	6.8	1 1	611	OFF EAST COAST OF KAMCHATKA. Ms 6.7 (BRK). Mo=3.2*10**19 Nm (PPT). Felt (V) at Petropavlovsk-Kamchatskiy, Russia. Depth from broadband displacement seismograms.
	02	12 38	05.5	39.023	N	25.955	E	10				0.8	42	AEGEAN SEA. ML 3.5 (ATH). MD 3.5 (THE).
	02	12 49	18.0*	52.923	N	159.753	E	33	N	4.6		0.9	26	OFF EAST COAST OF KAMCHATKA
	02	12 59	09.3?	39.02	N	25.77	E	10	G			0.4	6	AEGEAN SEA
	02	13 06	40.5%	44.601	N	8.382	E	5	G			0.5	8	NORTHERN ITALY. ML 2.0 (GEN).
	02	13 15	14.6	3.822	N	96.505	E	74	D	4.8		1.1	46	NORTHERN SUMATERA, INDONESIA
	02	13 25	42.3?	10.45	N	62.74	W	101	?	3.8		0.8	11	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
	02	13 47	01.5&	60.872	N	149.294	W	39					64	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC), 3.2 (PMR).
	02	14 07	59.5	52.835	N	159.876	E	35	D	5.0	6.0	0.9	97	OFF EAST COAST OF KAMCHATKA
	02	14 48	18.1*	30.542	N	78.538	E	33	N	4.0		0.6	9	NORTHERN INDIA
	02	14 49	46.6?	6.47	S	147.72	E	80	?	4.3		1.4	5	EASTERN NEW GUINEA REG., P.N.G.
	02	15 42	23.8	39.045	N	26.026	E	10	G			0.5	19	TURKEY
	02	16 13	57.6%	18.071	N	101.061	W	33	N			0.9	5	GUERRERO, MEXICO
	02	16 44	38.9%	31.990	S	68.830	W	33	N			1.2	6	SAN JUAN PROVINCE, ARGENTINA
	02	18 11	22.6%	42.364	N	19.317	E	10	G			0.7	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	02	18 45	22.1?	39.08	N	25.93	E	10	G			0.5	7	AEGEAN SEA
	02	18 48	33.8	39.022	N	26.007	E	12				0.7	48	TURKEY. ML 3.8 (ATH). MD 3.6 (THE).
	02	19 13	31.5	39.024	N	25.952	E	11				0.4	16	AEGEAN SEA
	02	19 37	47.1?	6.32	S	147.66	E	67	?	3.9		1.1	5	EASTERN NEW GUINEA REG., P.N.G.
	02	19 45	49.6	38.999	N	26.004	E	8				0.9	41	AEGEAN SEA. ML 3.7 (ATH). MD 3.6 (THE).
	02	20 19	28.4?	39.05	N	25.69	E	10	G			0 4	6	AEGEAN SEA
	02	20 20	25.3&	61.644	N	150.338	W	54					45	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	02	20 26	41.2%	39.204	N	26.344	E	10	G			0.6	7	TURKEY
	02	20 30	42.5*	5.219	N	31.578	E	10	G	4.7		1.1	15	SUDAN. mbLg 5.0 (BUL).
	02	20 33	21.3	45.952	N	21.630	E	26		4.6		0.9	76	ROMANIA. Felt in the Timisoara area.
	02	21 03	07.2	7.454	S	125.815	E	25	D	5.1		1.2	45	BANDA SEA
	02	22 02	21.9	24.168	N	118.112	E	28		3.9		0.9	12	NEAR SOUTHEASTERN COAST OF CHINA
	02	22 13	02.4&	33.261	N	115.673	W	4					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	02	23 02	46.0*	24.310	S	179.934	W	554	?	5.1		1.1	45	SOUTH OF FIJI ISLANDS
	02	23 03	20.0?	48.36	N	3.29	W	10	G			0.8	5	FRANCE. ML 3.0 (LDG).
	02	23 06	11.9*	36.434	N	69.022	E	33	N	4.0		1.2	13	HINDU KUSH REGION, AFGHANISTAN
	02	23 20	43.8&	34.193	N	117.386	W	2					4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
	02	23 57	49.6&	38.848	N	122.810	W	1					14	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
a	03	01 18	31.2	14.384	S	167.179	E	148	G	5.9		0.9	384	VANUATU ISLANDS. mb 5.6 (BRK). Mo=1.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	03	01 43	59.1?	46.51	N	12.41	E	10	G			0.3	6	NORTHERN ITALY. ML 1.9 (VIE). MD 2.4 (LJU), 2.2 (TRI).
	03	02 10	26.9%	40.773	N	21.785	E	10	G			0.5	7	GREECE. MD 1.9 (THE).
	03	02 17	33.9?	40.76	N	20.37	E	10	G			0.8	5	GREECE-ALBANIA BORDER REGION
	03	02 53	03.3?	22.68	S	112.15	W	10	G	4.7		0.9	13	EASTER ISLAND REGION
a	03	03 11	44.0	44.242	N	149.058	E	21	G	5.8	5.3	0.9	378	KURIL ISLANDS. Mo=7.9*10**17 Nm (PPT). Depth from broadband displacement seismograms.
	03	03 45	15.1%	40 945	N	22.288	E	10	G			0.5	7	GREECE. MD 2.1 (THE).
	03	03 45	40.1?	39 26	N	27.75	E	10	G			0.8	7	TURKEY
	03	04 12	03.1*	43.743	N	149.506	E	33	N	3.9		0.9	13	EAST OF KURIL ISLANDS
a	03	04 28	03.4	44.157	N	149.102	E	38	D	5.6	5.8	0.9	332	KURIL ISLANDS. Mo=1.0*10**18 Nm (PPT).
	03	04 42	55.1	44.064	N	149.138	E	29	D	5.2		0.8	114	KURIL ISLANDS
	03	04 48	25.8*	44.364	N	148.930	E	45	D	4.6		0.9	30	KURIL ISLANDS
	03	04 51	39.5*	44.109	N	149.154	E	51	D	4.5		1.3	31	KURIL ISLANDS
	03	05 26	40.9%	41.512	N	23.411	E	10	G			0.4	7	GREECE-BULGARIA BORDER REGION. MD 2.6 (THE).
	03	05 45	15.9*	44.174	N	149.342	E	33	N	3.5		1.3	7	KURIL ISLANDS
	03	05 49	40.4*	38.905	N	25.7B4	E	10	G			0.9	9	AEGEAN SEA
	03	06 00	08.6*	44.439	N	148.845	E	48	D	4.7		1.1	51	KURIL ISLANDS

	03	06	15	53.5	44.171	N	149.178	E	52	D	4 6	0.7	33	KURIL ISLANDS
	03	06	37	04.4*	43.952	N	149.275	E	33	N	4.5	1.0	24	EAST OF KURIL ISLANDS
	03	06	58	45.2	42.200	S	175.349	E	61	*	3 2	0.9	49	OFF E COAST OF S ISLAND, N.Z.
	03	07	02	07.0	19.061	N	67.819	W	48	*	4 2	1.0	28	MONA PASSAGE. Felt at Moyoguez and Coyey, Puerto Rico.
	03	07	03	12.4*	36 788	S	178.018	E	249		4 4	0.9	43	OFF E COAST OF N. ISLAND, N.Z.
	03	07	33	30.6*	3.305	N	128.149	E	33	N	5.0	1.1	15	NORTH OF HALMAHERA, INDONESIA
	03	07	58	37.1%	39.124	N	27.509	E	10	G		0 3	6	TURKEY
	03	08	07	49.5&	35.760	N	118.027	W	4				59	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.8 (GS). Felt (III) at Ridgecrest.
	03	08	21	56.8?	50.20	N	18.92	E	10	G		1.2	4	POLAND MG 2.4 (BRA).
o	03	08	29	09.2	5.955	S	106.159	E	144		5.3	1.1	89	JAWA, INDONESIA. Felt (II) at Jakorta.
	03	08	30	30.2	40.636	N	28.893	E	10	G		0.5	8	TURKEY
	03	09	40	53.0	35.306	N	27.117	E	10	G	3.2	1.2	12	DODECANESE ISLANDS. ML 4.0 (CSS). MD 3.9 (ATH).
	03	10	18	23.5	38.983	N	26.005	E	10	G		0.8	44	AEGEAN SEA. ML 3.7 (ATH). MD 3.5 (THE).
	03	10	56	16.8%	44.538	N	8.525	E	10	G		0.2	8	NORTHERN ITALY. ML 2.0 (GEN).
	03	11	21	28.0%	44.669	N	6.706	E	1	G		0.6	5	FRANCE. ML 1.8 (GEN).
	03	11	48	03.7	20.016	S	173.777	W	55	D	5.0	0.7	26	TONGA ISLANDS
	03	12	02	43.5	40.700	N	20.324	E	10	G		0.8	10	GREECE-ALBANIA BORDER REGION. ML 2.5 (TIR).
	03	12	29	07.4	40.837	N	19.877	E	10	G		0.8	7	ALBANIA. ML 2.2 (TIR).
	03	12	29	24.0?	43.15	N	0.57	W	10	G		0.3	5	PYRENEES. ML 1.0 (STR).
	03	12	30	18.9	36.105	N	89.789	W	10	G		0.4	16	NEW MADRID, MISSOURI REGION. MD 2.6 (SLM). Felt (III) at Steele, Missouri.
	03	13	01	18.1?	45.78	N	147.70	E	33	N	4.1	1.5	10	KURIL ISLANDS
	03	13	04	28.1?	44.48	N	148.83	E	33	N	4.0	1.1	12	KURIL ISLANDS
o	03	13	39	28.1	15.937	S	172.891	W	34	D	5.2 5.0	1.2	83	SAMOA ISLANDS REGION. Mo=5.0*10**17 Nm (PPT).
	03	14	18	46.9	45.280	N	26.740	E	33	N		0.3	7	ROMANIA
	03	15	39	10.0%	42.576	N	19.006	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
	03	15	59	01.3%	38.288	S	176.012	E	218			0.5	39	NORTH ISLAND, NEW ZEALAND
	03	16	15	51.1	44.328	N	148.987	E	18	D	4.9 4.3	0.9	48	KURIL ISLANDS
	03	16	33	22.7*	44.481	N	148.782	E	50	D	4.7 4.3	1.0	44	KURIL ISLANDS
	03	17	17	23.2%	33.237	S	68.140	W	10	G		1.4	5	MENDOZA PROVINCE, ARGENTINA
	03	17	24	38.5	41.586	N	23.483	E	10	G		0.5	14	GREECE-BULGARIA BORDER REGION. MD 2.7 (THE).
	03	17	45	47.2?	12.24	N	141.20	E	33	N	4.6	1.0	14	SOUTH OF MARIANA ISLANDS
	03	18	17	05.5*	60.525	N	5.216	E	10	G		0.2	6	SOUTHERN NORWAY. MD 1.4 (BER).
	03	18	32	33.6?	41.81	N	126.15	W	10	G		0.4	6	OFF COAST OF NORTHERN CALIFORNIA
	03	18	35	02.4	28.353	N	57.143	E	33	N	4.8 4.1	1.1	95	SOUTHERN IRAN
	03	18	45	04.5	38.953	N	25.977	E	10			1.1	30	AEGEAN SEA. ML 3.4 (ATH). MD 3.5 (THE).
o	03	18	47	51.3	17.440	S	174.370	W	139	D	5.1	1.0	138	TONGA ISLANDS
	03	19	01	07.3	37.957	N	7.021	E	49	*	3.7	0.9	38	WESTERN MEDITERRANEAN SEA. mbLg 3.6 (MDD).
	03	19	35	57.9*	44.619	N	81.306	E	33	N	4.1	1.5	13	NORTHERN XINJIANG, CHINA. ML 4.2 (BJI).
	03	19	55	18.1%	46.098	N	1.234	W	10	G		1.3	10	FRANCE. ML 3.0 (LDG).
	03	20	04	59.5	43.978	N	149.258	E	33	N	4.9 4.0	1.1	67	EAST OF KURIL ISLANDS
	03	20	13	13.9	41.881	N	20.145	E	10	G		0.7	9	ALBANIA. ML 2.8 (SKO), 2.5 (TIR).
	03	20	15	57.7%	42.622	N	12.849	E	10	G		0.7	11	CENTRAL ITALY
	03	20	56	24.5	41.885	N	20.152	E	10	G		0.7	19	ALBANIA. ML 2.9 (TTG), 2.8 (SKO), 2.5 (TIR).
	03	21	02	00.0?	39.01	N	25.80	E	10	G		0.7	8	AEGEAN SEA
	03	21	30	39.4?	48.82	N	145.99	E	33	N	4.2	1.0	10	SEA OF OKHOTSK
	03	22	07	54.0	6.593	S	130.194	E	28	D	5.1	1.0	47	BANDA SEA
	03	22	48	20.0	41.919	N	20.170	E	10	G		0.7	26	ALBANIA. ML 3.0 (SKO), 2.9 (TTG), 2.6 (TIR).
	03	23	01	01.7%	40.081	N	15.838	E	10	G		0.7	5	SOUTHERN ITALY
o	03	23	19	47.1	19.300	N	121.158	E	39	D	4.8 5.0	1.1	59	PHILIPPINE ISLANDS REGION
	03	23	24	05.1?	39.03	N	25.84	E	10	G		0.3	6	AEGEAN SEA
	03	23	30	34.9	8.403	S	146.509	E	52		5.2	0.6	31	EASTERN NEW GUINEA REG., P.N.G.
	03	23	36	15.4%	11.247	N	61.502	W	10	G		0.4	6	WINDWARD ISLANDS. MD 3.1 (TRN).
	04	00	47	41.0?	31.19	S	179.43	W	33	N	5.2	1.0	8	KERMADEC ISLANDS REGION
	04	00	58	38.8*	50.440	N	18.863	E	10	G		0.4	7	POLAND. MG 2.5 (BRA).
	04	02	17	34.2	40.600	N	20.481	E	10	G		1.1	8	GREECE-ALBANIA BORDER REGION. ML 2.4 (TIR).
	04	02	35	30.1	31.688	S	69.657	W	121	?		0.8	14	SAN JUAN PROVINCE, ARGENTINA
	04	02	41	37.2	44.114	N	6.953	E	12			0.6	28	FRANCE. ML 2.6 (LDG), 2.4 (GEN).
	04	03	41	16.6?	39.03	N	26.01	E	10	G		0.5	8	TURKEY
f	04	03	49	54.8	3.008	S	147.882	E	19	G	6.0 6.5	1.3	299	BISMARCK SEA. Ms 6.4 (BRK). Mo=1.3*10**19 Nm (PPT). Two events about 3.2 seconds apart. Depth from broadband displacement seismograms, based on first event.
	04	04	42	25.9?	32.37	S	179.98	E	509	?	4.2	1.1	13	SOUTH OF KERMADEC ISLANDS
	04	04	48	12.8&	62.128	N	149.206	W	42				57	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).
	04	05	15	12.5	39.223	N	28.255	E	10	G		0.7	17	TURKEY
	04	06	02	56.1*	39.965	S	178.374	E	31	*	4.8	1.4	16	OFF E. COAST OF N. ISLAND, N.Z.
	04	07	39	04.3*	2.923	S	148.134	E	33	N	4.7	0.9	17	ADMIRALTY ISLANDS REGION, P.N.G.
	04	07	51	34.3*	13.569	N	144.102	E	33	N	4.2	1.0	11	MARIANA ISLANDS. Felt (IV) at Dededo, Agana and Pago Bay; (III) elsewhere on Guam.
	04	07	52	04.1?	40.83	N	30.51	E	10	G		0.7	7	TURKEY
	04	08	41	42.1*	5.577	S	129.885	E	191	?	4.8	0.8	12	BANDA SEA
	04	08	44	59.1	53.092	N	159.870	E	33	N	4.9	0.9	76	NEAR EAST COAST OF KAMCHATKA
	04	09	34	48.3&	59.242	N	147.021	W	24		3.1		68	GULF OF ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
	04	09	44	53.5*	40.633	N	21.641	E	10	G		1.5	5	GREECE
	04	09	46	16.9%	37.754	N	15.188	E	10	G		0.4	6	SICILY
	04	09	54	16.9*	17.291	N	101.509	W	33	N	3.8	0.6	10	NEAR COAST OF GUERRERO, MEXICO
	04	09	56	15.1%	40.655	N	22.977	E	10	G		0.6	6	GREECE. MD 1.7 (THE).
	04	10	51	27.2?	32.81	S	72.01	W	33	N		0.5	7	OFF COAST OF CENTRAL CHILE. MD 3.2 (SAN).
o	04	11	57	53.0	31.726	N	50.778	E	18	D	4.9 4.6	1.2	213	NORTHERN IRAN. At least 6 people killed, 50 injured and 300 homes destroyed in the Lordegan-Ardal area. Landslides blocked roads in the epicentral region.
	04	12	03	45.5&	60.153	N	152.773	W	106				41	SOUTHERN ALASKA. <AEIC>.
	04	12	41	10.3?	33.96	S	178.00	E	251	?	4.0	1.5	11	NORTH OF NEW ZEALAND
	04	12	55	25.0	17.379	S	167.765	E	44	D	5.0 4.5	1.1	49	VANUATU ISLANDS. Felt (III) on Efate.
	04	13	07	03.2&	63.004	N	151.088	W	121				46	CENTRAL ALASKA. <AEIC>.
	04	14	36	55.7	41.955	N	125.785	W	10	G	3.8	0.6	32	OFF COAST OF NORTHERN CALIFORNIA
	04	14	41	00.0&	38.898	N	112.034	W	5				10	UTAH. <SLC-P>. MD 2.7 (SLC). Felt (III) at Aurora and Sigurd.
	04	16	22	00.5*	41.735	N	127.274	W	10	G	3.5	0.9	16	OFF COAST OF NORTHERN CALIFORNIA
	04	16	37	29.1*	29.240	S	67.560	W	157	?		0.9	9	LA RIOJA PROVINCE, ARGENTINA
	04	16	54	26.6?	3.00	S	147.63	E	57	?	4.9 3.8	1.2	11	ADMIRALTY ISLANDS REGION, P.N.G.
	04	17	09	01.0%	42.259	N	18.981	E	10	G		0.3	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).

	04	17	53	32.6*	7.144	N	127.163	E	33	N	4.6		1.2	20	PHILIPPINE ISLANDS REGION
	04	18	25	42.3%	39.711	N	27.955	E	10	G			0.2	5	TURKEY
	04	18	31	22.8	35.279	N	25.833	E	33	N			0.8	12	CRETE. MD 3.8 (ATH).
	04	19	02	06.3%	37.566	N	4.247	W	10	G			0.8	5	SPAIN. mbLg 2.8 (MDD).
	04	19	02	24.6	23.800	N	121.775	E	25	D	4	1	1.2	24	TAIWAN. ML 4.3 (BJI).
	04	19	06	26.9&	32.975	N	118.791	W	6	G				43	OFF COAST OF CALIFORNIA. <PAS-P>. ML 4.2 (PAS), 4.1 (GS). Felt at Mission Viejo.
	04	20	30	57.7%	39.253	N	23.617	E	10	G			0.5	6	AEGEAN SEA
	04	20	32	00.3?	15.11	N	60.15	W	27	*			0.7	7	LEEWARD ISLANDS. ML 2.8 (FDF).
	04	20	52	16.5*	43.815	N	149.594	E	38	D	4.4		0.9	18	EAST OF KURIL ISLANDS
	04	22	10	17.1?	38.61	N	26.50	E	10	G			0.5	5	AEGEAN SEA
	04	22	37	10.3	41.987	N	125.532	W	10	G	3.5		0.7	31	OFF COAST OF NORTHERN CALIFORNIA
	04	22	52	15.6	38.664	N	22.326	E	10	G			1.4	8	GREECE. ML 2.7 (ATH). MD 2.4 (THE).
	04	22	54	22.5	41.944	N	125.556	W	10	G	3.9		0.7	60	OFF COAST OF NORTHERN CALIFORNIA
	04	23	16	56.9%	47.119	N	0.510	W	10	G			1.4	7	FRANCE. ML 2.5 (LDG).
	05	00	14	04.1%	46.412	N	7.506	E	10	G			0.4	5	SWITZERLAND. ML 2.0 (LDG).
o	05	00	19	18.2	6.584	S	130.451	E	76		5.1		0.9	66	BANDA SEA
	05	02	14	17.6	35.625	N	80.585	E	36	*	4.7		1.3	71	KASHMIR-XIJANG BORDER REGION
	05	03	30	16.5	38.283	N	45.037	E	38	*	4	4 3.9	1.2	56	ARMENIA-AZERBAIJAN-IRAN BORD REG. Felt in the Khvoy area, Iran.
	05	04	38	29.0%	39.149	N	27.963	E	10	G			0.5	9	TURKEY
	05	04	48	21.2%	46.521	N	1.583	E	10	G			1.0	11	FRANCE. ML 2.1 (LDG).
	05	06	28	31.0%	40.530	N	23.749	E	10	G			0.9	7	GREECE
	05	07	24	33.6	33.312	S	70.219	W	10	G			1.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	05	08	29	48.1*	32.926	S	72.346	W	10	G			1.3	20	OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN). Felt (II) at Valparaiso.
o	05	08	55	05.6	11.513	N	42.812	E	7		5.5	6.2	1.3	285	ETHIOPIA. Mo=5.0*10**18 Nm (PPT). Felt strongly at Djibouti, Dijbouti.
	05	09	34	10.8*	37.090	N	142.241	E	33	N	3.7		0.7	8	OFF EAST COAST OF HONSHU, JAPAN
	05	10	25	28.4%	40.371	N	23.319	E	10	G			0.7	7	GREECE. MD 1.7 (THE).
	05	10	26	52.6	10.405	N	85.499	W	110		4.3		1.0	41	COSTA RICA. Felt in the Liberia area.
	05	10	29	37.0%	39.145	N	28.019	E	10	G			0.6	7	TURKEY
	05	12	41	33.7?	18.35	N	65.98	W	32	*			0.9	6	PUERTO RICO REGION
	05	13	01	50.8%	42.341	N	19.237	E	10	G			0.9	6	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
	05	13	02	22.9	46.315	N	8.938	E	5	G			1.3	16	SWITZERLAND
	05	13	15	03.2?	18.27	N	76.58	W	10	G			0.2	4	JAMAICA REGION. MD 2.3 (HOJ).
	05	13	40	28.5?	42.38	N	24.17	E	10	G			0.8	8	BULGARIA. MD 2.9 (THE).
	05	13	52	36.4	47.898	N	6.560	E	10	G			0.9	7	FRANCE. ML 2.2 (LDG), 1.8 (STR).
	05	14	03	50.4?	38.98	N	25.93	E	10	G			0.7	12	AEGEAN SEA
f	05	14	39	10.2	52.900	N	159.619	E	45	G	6.3	6.1	1.0	617	OFF EAST COAST OF KAMCHATKA. Ms 5.8 (BRK). Mo=6.3*10**18 Nm (PPT). Felt (V) at Petropavlovsk-Kamchatskiy, Russia. Two events about 1.2 seconds apart. Depth from broadband displacement seismograms, based on first event.
	05	14	55	21.0%	41.106	N	28.418	E	10	G			0.4	5	TURKEY
	05	15	14	33.2*	52.861	N	159.496	E	33	N	4.7		1.0	31	OFF EAST COAST OF KAMCHATKA
	05	15	58	10.9%	44.390	N	8.322	E	10	G			0.2	8	NORTHERN ITALY. ML 1.9 (GEN).
	05	16	01	44.2?	54.12	N	157.73	E	33	N	4.4		0.5	14	KAMCHATKA
	05	16	13	13.1&	62.847	N	148.189	W	60					45	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
	05	16	17	45.2?	36.57	N	141.65	E	33	N			1.5	9	NEAR EAST COAST OF HONSHU, JAPAN
	05	16	18	15.4	36.690	N	141.675	E	36	D	4.6	1.9	1.2	45	NEAR EAST COAST OF HONSHU, JAPAN
	05	17	01	31.6	7.026	S	144.943	E	33	N	3.8		0.6	6	NEAR S COAST OF NEW GUINEA, PNG.
	05	17	24	27.5	41.371	N	15.124	E	10	G			1.5	7	SOUTHERN ITALY
	05	17	39	29.9?	39.06	N	25.73	E	10	G			0.5	6	AEGEAN SEA
	05	17	51	02.7	7.068	S	144.999	E	33	N	3.9		0.6	6	NEAR S COAST OF NEW GUINEA, PNG.
	05	18	01	34.9	40.432	N	30.127	E	10				0.7	16	TURKEY
	05	18	24	22.8&	35.215	N	119.374	W	24					35	CENTRAL CALIFORNIA. <PAS-P>. ML 3.8 (PAS), 3.7 (GS). Felt (IV) at Maricopa.
	05	19	38	07.4%	38.830	N	15.570	E	10	G			0.5	7	SICILY
	05	19	44	39.0&	34.231	N	116.374	W	4					14	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.8 (GS).
	05	20	07	00.0?	17.35	S	178.41	W	439	*	5.0		1.2	19	FIJI ISLANDS REGION
	05	20	15	25.4	36.480	N	142.315	E	10	G	4.2		1.3	28	OFF EAST COAST OF HONSHU, JAPAN
	05	20	43	22.7	30.944	N	141.751	E	37	D	4.9	4.8	1.1	95	SOUTH OF HONSHU, JAPAN
	05	21	17	12.0*	43.340	N	5.604	E	5	G			0.8	12	NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR).
	05	22	30	19.5*	19.072	N	64.928	W	10	G	3.5		0.9	9	VIRGIN ISLANDS
	05	22	36	51.4	45.046	S	167.025	E	33	N	3.4		1.2	13	SOUTH ISLAND, NEW ZEALAND
	05	23	35	02.3%	45.008	S	166.055	E	33	N			0.6	10	OFF W. COAST OF S. ISLAND, N.Z.
	05	23	37	54.6?	4.65	N	126.74	E	33	N	4.6		0.9	12	TALAUD ISLANDS, INDONESIA
	06	00	18	02.7?	47.47	N	149.51	E	33	N	4.4		0.8	29	NORTHWEST OF KURIL ISLANDS
	06	00	38	37.4*	44.057	N	149.305	E	41	D	4.7		1.0	36	KURIL ISLANDS
	06	00	49	17.9	46.011	N	2.989	E	10	G			0.7	14	FRANCE. ML 2.1 (LDG), 1.8 (STR).
	06	01	09	57.2?	33.09	S	71.93	W	33	N			1.4	11	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	06	01	38	28.7*	36.511	N	71.025	E	212	?	4.1		1.1	13	AFGHANISTAN-TAJIKISTAN BORD REG.
	06	03	01	39.9*	31.991	S	178.117	W	33	N	5.3	4.5	1.3	24	KERMADEC ISLANDS REGION
	06	03	52	55.7*	72.937	N	4.930	E	10	G	4.3		0.8	7	NORWEGIAN SEA
	06	04	03	13.9	19.469	N	64.893	W	10	G	3.7		0.5	9	VIRGIN ISLANDS
	06	04	17	42.4%	40.215	N	33.467	E	10	G			0.5	8	TURKEY
	06	04	44	32.6%	40.852	N	28.342	E	10	G			0.4	8	TURKEY
	06	05	04	43.1*	8.737	N	126.965	E	39	D	4.5	4.0	1.2	28	MINDANAO, PHILIPPINE ISLANDS
	06	05	09	44.2*	47.817	N	7.282	E	10	G			0.4	5	SWITZERLAND. ML 2.5 (LDG).
	06	05	22	44.0*	19.491	S	177.592	W	572	*	4.6		1.0	53	FIJI ISLANDS REGION
	06	05	56	14.2	40.800	N	30.034	E	10	G			0.7	15	TURKEY
	06	06	32	37.8&	61.637	N	151.122	W	60					53	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	06	06	40	07.1*	15.953	S	173.331	W	33	N	4.7	4.4	0.8	19	TONGA ISLANDS
	06	07	01	28.2*	55.381	N	157.572	W	33	N	3.9		1.0	14	ALASKA PENINSULA
	06	07	45	52.4&	38.737	N	119.728	W	10					12	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK). Felt at Markleeville, California.
	06	08	02	54.4	43.529	N	127.376	W	10	G	4.4		0.8	126	OFF COAST OF OREGON
	06	08	11	06.7?	38.89	N	25.40	E	33	N			0.6	9	AEGEAN SEA
	06	08	32	23.6	5.043	S	151.328	E	135	*	5.0		0.9	37	NEW BRITAIN REGION, P.N.G.
	06	08	46	35.5	42.610	N	12.577	E	9				1.0	54	CENTRAL ITALY. ML 3.6 (VIE).
	06	11	57	46.9?	34.66	S	176.88	E	33	N	4.7		1.5	9	NORTH OF NEW ZEALAND
	06	12	29	32.8	48.370	N	154.886	E	33	N	4.4		0.7	28	KURIL ISLANDS

	06	12	42	40.4%	42.757	N	19.089	E	10	G		0.1	9	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	06	12	55	07.6*	5.548	S	150.194	E	98	?	4.2	0.8	10	NEW BRITAIN REGION, P.N.G.
	06	15	00	11.1*	7.444	S	128.305	E	110	?	4.7	1.4	18	BANDA SEA
	06	15	31	04.9	60.712	N	5.546	E	10	G		0 4	6	SOUTHERN NORWAY. MD 1.5 (BER).
	06	17	01	48.0	15.982	N	61.610	W	126	D	4.9	1.1	142	LEEWARD ISLANDS. MD 5.1 (TRN). Felt on Guodeloupe and Morie Galante.
	06	17	42	19.2	36.487	N	70.994	E	221	*	4.3	0.5	17	HINDU KUSH REGION, AFGHANISTAN
	06	19	42	49.0*	39.165	N	28.013	E	10	G		0.8	6	TURKEY
	06	22	38	22.5*	38.097	N	21.952	E	5	G		0.7	13	GREECE. ML 3.1 (ATH). MD 2.6 (THE).
	06	23	01	33.8?	46.53	N	152.80	E	33	N	4.1	0.7	11	KURIL ISLANDS
	06	23	41	46.0*	12.561	S	14.645	W	10	G	4.7 3.9	1.1	23	SOUTHERN MID-ATLANTIC RIDGE
	07	00	12	51.7%	40.771	N	30.018	E	10	G		0.6	10	TURKEY
	07	00	43	03.6	26.512	S	27.353	E	10		4.9 4.2	0.8	59	REPUBLIC OF SOUTH AFRICA. mbLg 4.3 (BUL).
	07	01	10	07.4	6.783	N	72.975	W	163		4.8	0.9	163	NORTHERN COLOMBIA. Felt (IV) in the Malaga area. Also felt at Bucaromanga, Bogata and in other parts of eastern, central and western Colombia.
	07	01	34	09.6	36.050	N	2.875	W	10	G		0.9	11	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
f	07	01	53	37.7	10.210	N	84.323	W	79	G	6.2	1.0	572	COSTA RICA. MD 5.6 (SJR), 5.6 (UPA). Mo=4.0*10**18 Nm (PPT). One person died of a heart attack and damage at San Jose. Felt strongly throughout Costa Rica. Felt (III) at Changuinola and David, Panama. Depth from broadband displacement seismograms.
	07	02	04	50.9	6.202	S	105.338	E	81		4.8	1.1	53	SUNDA STRAIT
	07	02	36	44.9	24.088	S	66.796	W	225		4.2	0.9	20	SALTA PROVINCE, ARGENTINA
	07	03	25	10.2%	40.194	N	25.329	E	10	G		1.2	6	AEGEAN SEA
	07	03	33	47.2&	63.085	N	150.597	W	116				58	CENTRAL ALASKA. <AEIC>.
	07	04	17	21.8	40.351	N	20.784	E	10	G		0.5	9	GREECE-ALBANIA BORDER REGION. MD 2.6 (THE).
	07	04	37	41.9%	44.102	N	11.510	E	10	G		0.4	5	NORTHERN ITALY
	07	05	13	52.4&	34.799	N	118.309	W	13				23	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.8 (GS).
	07	05	58	11.0*	10.054	N	84.399	W	94		4.0	0.8	11	COSTA RICA. MD 4.1 (SJR). Felt in the Gyecia area.
	07	06	28	55.3	40.075	N	71.685	E	25	D	4.9 3.7	1.1	37	TAJIKISTAN. ML 4.9 (BJI).
	07	06	33	08.9?	44.35	N	7.45	E	10	G		0.2	4	NORTHERN ITALY. ML 1.5 (GEN).
	07	07	35	52.5&	59.326	N	152.509	W	76				79	SOUTHERN ALASKA. <AEIC>.
	07	07	44	55.8&	60.738	N	151.854	W	81				49	KENAI PENINSULA, ALASKA. <AEIC>.
	07	09	15	47.7%	42.744	N	19.086	E	10	G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
	07	10	07	01.7&	60.532	N	142.978	W	0				22	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
	07	10	19	47.8	32.078	S	71.263	W	106	?		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	07	10	28	54.5%	39.023	N	26.161	E	10	G		1.0	6	TURKEY
	07	10	59	37.1%	39.667	N	28.907	E	10	G		0.7	6	TURKEY
	07	11	32	49.9	39.015	N	25.974	E	9			0.7	22	AEGEAN SEA. MD 3.2 (THE).
	07	12	48	08.4	42.027	N	24.266	E	10			1.1	22	BULGARIA. MD 3.1 (THE).
	07	12	48	40.5	33.749	S	70.940	W	66	*		0.6	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	07	12	51	37.0	39.023	N	25.966	E	6			0.4	16	AEGEAN SEA
	07	12	56	41.8&	61.302	N	152.248	W	7				46	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	07	12	59	59.8	26.308	S	68.302	E	10	G	5.0	0.5	17	SOUTH INDIAN OCEAN
	07	13	26	13.5%	42.533	N	18.444	E	10	G		0.1	6	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	07	14	28	06.0*	39.339	S	176.111	E	93	*	4.6	1.1	15	NORTH ISLAND, NEW ZEALAND
	07	15	17	06.0?	54.80	N	161.77	W	33	N	3.7	1.3	12	ALASKA PENINSULA
	07	15	27	02.2%	46.456	N	2.044	E	10	G		0.3	7	FRANCE. ML 1.9 (LDG).
	07	15	59	07.8&	35.758	N	118.031	W	4				10	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	07	16	20	03.9%	40.392	N	27.509	E	10	G		0.9	7	TURKEY
	07	17	14	40.4	51.560	N	6.945	E	10	G		0.2	6	GERMANY. MD 2.2 (UCC).
	07	18	11	27.2?	46.40	N	2.04	E	10	G		0.0	4	FRANCE. ML 1.8 (LDG).
	07	18	20	02.7	44.530	N	114.125	W	5	G		0.4	18	WESTERN IDAHO. ML 3.5 (GS), 3.8 (BUT).
a	07	18	37	13.0	3.477	S	146.316	E	15		5.5 6.2	1.4	129	BISMARCK SEA. Mo=6.3*10**18 Nm (PPT).
	07	19	59	06.6*	32.568	S	178.705	W	33	N	4.7	0.9	9	SOUTH OF KERMADEC ISLANDS
	07	20	29	25.3*	0.909	N	126.106	E	82	*	4.7	1.2	31	NORTHERN MOLUCCA SEA
	07	21	13	43.7	43.207	N	126.914	W	10	G	4.0	0.5	82	OFF COAST OF OREGON
	07	22	34	57.2?	51.59	N	16.15	E	10			0.7	14	PDLAND. ML 3.8 (VIE), 3.8 (GRF).
	07	22	41	50.8	29.442	N	89.370	E	113	*	4.3	1.1	24	XIJANG
	07	22	58	12.5*	36.322	N	70.759	E	33	N	3.8	0.9	9	HINDU KUSH REGION, AFGHANISTAN
	07	23	30	10.0*	33.777	S	70.195	W	116	?		1.0	14	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	07	23	34	23.1?	16.97	N	99.25	W	33	N		0.1	4	NEAR COAST OF GUERRERO, MEXICO
	08	02	12	08.9	40.418	N	29.486	E	10	G		0.5	12	TURKEY
	08	02	18	31.6*	40.290	N	20.793	E	10	G		1.4	6	GREECE-ALBANIA BORDER REGION
	08	03	04	37.4?	56.02	N	160.56	E	90	G	4.2	1.2	8	KAMCHATKA
	08	03	17	34.9?	29.23	S	66.34	W	33	N		1.5	6	LA RIOJA PROVINCE, ARGENTINA
a	08	03	43	04.4&	40.228	N	124.290	W	13		5.3 5.3		291	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 5.3 (BRK). Minor damage (VI) in the Honeydew-Petrolia area. Felt (V) at Eureka, Ferndale, Miranda, Myers Flat, Phillipsville, Piercy, Redcrest, Rio Dell, Scatia, Weott, Whitethorn and Willits. Felt in Humboldt, Mendocino and Trinity Counties.
	08	05	50	14.5	40.191	N	79.215	E	55	*	4.4	0.9	22	SOUTHERN XINJIANG, CHINA
a	08	06	29	32.7	5.724	S	150.215	E	119	*	5.4	1.0	71	NEW BRITAIN REGION, P.N.G.
	08	06	38	08.2	61.380	N	150.771	W	10	G		0.6	20	SOUTHERN ALASKA. ML 2.6 (AEIC).
	08	07	01	47.6?	38.91	N	23.43	E	10	G		0.5	4	GREECE
	08	08	29	16.9*	52.911	N	159.700	E	33	N	4.6	1.0	48	OFF EAST COAST OF KAMCHATKA
	08	09	03	49.1*	33.193	S	71.365	W	33	N		0.4	7	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	08	09	47	18.6%	41.388	N	13.595	E	10	G		0.6	8	SOUTHERN ITALY
	08	09	55	07.6%	40.770	N	14.421	E	10	G		1.3	9	SOUTHERN ITALY
	08	10	08	49.5&	32.365	N	115.263	W	6	G			6	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS).
	08	10	23	51.6	38.961	N	28.776	E	10	G		1.2	9	TURKEY
	08	11	11	26.9*	11.644	N	143.715	E	33	N	4.6	0.7	21	SOUTH OF MARIANA ISLANDS
	08	11	25	33.5*	23.218	N	94.713	E	83	*	4.6	1.3	15	MYANMAR-INDIA BORDER REGION
	08	11	28	48.7&	49.272	N	120.751	W	5	G	3.4		81	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 3.4 (PGC), 3.5 (GS). MD 3.5 (SEA). Felt in the Princeton-Manning Park area.
	08	11	45	56.9%	39.662	N	15.215	E	10	G		0.6	6	SOUTHERN ITALY
	08	13	43	40.7%	45.167	N	7.365	E	10	G		1.0	5	NORTHERN ITALY. ML 1.7 (GEN).
	08	13	46	43.2&	62.786	N	149.441	W	76				12	CENTRAL ALASKA. <AEIC>.
	08	14	28	52.8	66.597	N	146.247	W	10	G	3.8	1.2	12	NORTHERN ALASKA. ML 3.8 (PMR).

	08	15	34	59.5*	41.044	N	142.665	E	24		3.7		1.5	21	HOKKAIDO, JAPAN REGION
	08	15	57	20.3	52.992	N	159.722	E	31	D	4.9	3.9	0.8	99	OFF EAST COAST OF KAMCHATKA
	08	16	12	43.6?	45.45	N	14.28	E	10	G			0.8	4	NORTHWESTERN BALKAN REGION. MD 1.9 (TRI), 1.5 (LJU).
	08	16	18	49.8*	16.880	N	61.760	W	33	N			0.7	7	LEEWARD ISLANDS. ML 2.5 (FDF).
	08	17	16	39.9	43.388	N	4.498	E	15				0.9	14	NEAR SOUTH COAST OF FRANCE. ML 3.0 (LDG), 2.5 (STR).
	08	17	42	37.9&	58.905	N	136.905	W	10	G	4.2			7	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.7 (PGC). Felt at Pleasant Camp, British Columbia.
a	08	17	47	20.1	58.608	S	148.911	E	10	G	5.3	5.3	1.0	53	WEST OF MACQUARIE ISLAND
	08	17	53	17.0&	58.886	N	136.936	W	10	G				21	SOUTHEASTERN ALASKA. <PGC-P>. ML 4.0 (PGC).
	08	18	13	15.3	31.793	S	70.397	W	147	?			0.4	12	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	08	18	17	53.2	44.596	N	6.824	E	10	G			0.4	17	FRANCE. ML 2.4 (GEN), 2.1 (LDG).
	08	18	45	22.7	58.055	S	10.559	W	10	G	5.1	4.5	1.0	36	SOUTHWESTERN ATLANTIC OCEAN
	08	18	55	53.1&	32.926	N	118.762	W	21					14	OFF COAST OF CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.9 (GS).
	08	19	40	52.1	37.741	N	106.161	E	48	*	4.5		1.0	22	WESTERN NEI MONGOL, CHINA
	08	20	04	21.9	37.332	N	20.352	E	58		3.4		0.9	62	IONIAN SEA. MD 3.8 (ATH), 3.6 (THE).
	08	21	31	14.0	44.282	N	149.838	E	20	D	4.8	4.3	1.1	68	KURIL ISLANDS
	08	21	45	59.4?	44.43	N	150.84	E	33	N	4.0	4.0	1.4	6	EAST OF KURIL ISLANDS
	08	21	48	46.1&	60.214	N	151.046	W	5					13	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
	08	22	41	56.5?	40.61	N	14.05	E	10	G			1.3	5	SOUTHERN ITALY
	08	23	59	01.8&	34.535	N	116.421	W	6					12	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.9 (GS).
	09	00	56	45.1	44.099	N	20.824	E	10	G			1.1	22	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG). Felt at Kragujevac and Garnji Milanovac, Yugoslavia.
	09	01	33	20.8	50.325	N	7.353	E	22	*			1.2	19	GERMANY. ML 2.9 (LDG), 2.5 (BNS), 2.3 (KOE). MD 2.6 (UCC). Felt (III) in the Daun area.
	09	01	54	33.5	45.230	N	5.793	E	4				0.9	71	FRANCE. ML 3.2 (LDG), 3.0 (GEN). Felt in the Grenoble area.
	09	03	38	58.9?	17.63	N	100.90	W	33	N			0.2	5	GUERRERO, MEXICO
	09	03	51	47.1*	42.018	N	125.514	W	10	G	2.7		0.5	15	OFF COAST OF OREGON
	09	04	51	16.3&	40.587	N	123.377	W	26	G	4.2			92	NORTHERN CALIFORNIA. <BRK>. ML 4.0 (BRK), 4.3 (GS). Felt (V) at Hyampom and Lewistan; (IV) at Salyer and Willaw Creek; (III) at Ferndale, Hayfark, Korbel, Redding, Ria Dell and Weaverville. Also felt at Arcato and Trinidad.
	09	05	01	17.0	62.757	N	147.590	W	33	N			0.8	10	CENTRAL ALASKA. ML 3.5 (PMR).
	09	05	17	32.3*	37.230	N	28.158	E	10	G			0.8	5	TURKEY
	09	06	06	10.3	32.983	S	68.609	W	169	?			0.5	13	MENDOZA PROVINCE, ARGENTINA. MD 4.2 (SAN).
	09	06	32	26.2	45.358	N	14.830	E	10	G			0.2	7	NORTHWESTERN BALKAN REGION. MD 2.3 (LJU).
	09	06	39	29.6*	38.611	N	8.588	W	10	G			0.7	5	PORTUGAL. mbLg 3.2 (MDD).
a	09	07	44	05.9	12.581	N	142.566	E	26	D	5.2	5.0	1.0	93	SOUTH OF MARIANA ISLANDS
	09	08	08	35.8&	40.242	N	124.435	W	14					5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	09	08	24	11.2*	37.346	N	71.470	E	33	N	4.5		1.4	19	AFGHANISTAN-TAJIKISTAN BORD REG.
	09	08	45	19.9	43.032	N	0.206	W	10	G			0.2	7	PYRENEES. ML 2.8 (LDG).
	09	11	24	15.4&	36.020	N	117.887	W	4					5	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.5 (PAS).
	09	12	02	35.1?	50.39	N	6.13	E	10	G			0.1	4	GERMANY
	09	12	34	56.5*	33.038	S	71.524	W	10	G			0.7	11	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	09	12	46	52.5*	4.632	N	126.029	E	145	?	4.8		0.6	20	TALAUD ISLANDS, INDONESIA
	09	14	36	01.8	40.647	N	27.654	E	10	G			0.4	12	TURKEY
	09	14	43	14.3&	60.927	N	138.112	W	10	G	4.7			41	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. Felt (III) at Haines Junction, Silver City and the Arctic Institute Base Camp at Kluane Lake.
	09	16	59	28.6	27.424	N	66.044	E	19	D	4.9	4.1	1.1	60	PAKISTAN
	09	16	59	54.5%	39.547	N	20.913	E	10	G			0.8	6	GREECE-ALBANIA BORDER REGION. MD 2.1 (THE).
	09	17	36	47.9?	75.00	N	5.16	E	10	G	3.7		0.9	5	GREENLAND SEA
	09	17	48	14.3	41.046	N	20.212	E	10	G			1.1	7	ALBANIA. ML 2.4 (TIR).
	09	18	13	18.1	34.010	S	70.038	W	10	G			0.8	12	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
	09	18	15	15.6	34.165	N	138.980	E	26		5.0	4.8	1.0	119	NEAR S. COAST OF HONSHU, JAPAN. Felt at Tokyo.
	09	19	12	02.7	24.232	S	67.176	W	208	*			1.0	14	CHILE-ARGENTINA BORDER REGION
	09	19	54	26.7	34.454	N	35.925	E	5	G	4.2		0.9	39	JORDAN - SYRIA REGION. ML 4.0 (CSS), 3.6 (BHL).
	09	20	03	24.1?	34.14	N	35.62	E	5	G			1.3	6	JORDAN - SYRIA REGION. ML 3.3 (BHL), 2.7 (CSS).
	09	20	14	11.3	36.651	N	25.665	E	5	G	3.6		1.2	17	DODECANESE ISLANDS. ML 3.8 (ATH).
	09	20	24	40.4?	34.32	N	35.72	E	5	G			1.4	8	JORDAN - SYRIA REGION. ML 3.4 (BHL), 2.9 (CSS).
	09	20	42	42.1*	17.975	S	178.758	W	566		5.0		0.9	38	FIJI ISLANDS REGION
	09	21	53	22.9*	16.451	N	59.717	W	33	N	3.6		0.3	7	LEEWARD ISLANDS. ML 3.5 (FDF).
	09	22	43	36.0%	44.603	N	6.893	E	10	G			0.4	7	FRANCE. ML 2.0 (GEN).
	09	22	51	26.1?	41.19	N	29.64	E	10	G			0.5	4	TURKEY
	09	23	49	46.8%	40.560	N	22.753	E	10	G			0.7	6	GREECE
	10	00	02	55.3?	30.62	N	109.25	W	5	G	3.5		1.5	10	SONORA, MEXICO. ML 3.9 (GS). MD 3.7 (SNM).
	10	01	34	32.4?	12.81	S	65.66	E	10	G	4.5		1.2	12	MID-INDIAN RIDGE
	10	02	21	28.6%	37.171	N	4.369	W	10	G			1.1	7	SPAIN. mbLg 3.1 (MDD).
	10	02	45	34.8&	61.725	N	146.654	W	45					65	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC). Felt (III) at Valdez.
	10	03	12	07.4*	3.226	S	129.914	E	57	?	5.0	3.9	1.3	18	SERAM, INDONESIA
	10	03	43	39.2&	32.323	N	115.211	W	6	G				2	CALIF.-BAJA CALIF BORDER REGION. <PAS-P>. ML 2.9 (PAS).
	10	03	43	39.5	47.031	N	9.471	E	10	G			1.3	12	GERMANY. ML 2.5 (VIE).
	10	03	50	30.2&	34.536	N	116.423	W	6	G				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
	10	03	58	19.6?	31.31	S	68.74	W	124	?			0.5	6	SAN JUAN PROVINCE, ARGENTINA
	10	04	13	55.3	40.337	N	126.384	W	10	G	3.1		0.4	27	OFF COAST OF NORTHERN CALIFORNIA
	10	05	42	48.5*	43.616	N	149.809	E	33	N	4.6		1.1	16	EAST OF KURIL ISLANDS
	10	05	47	19.7?	33.36	N	72.97	E	33	N	4.5		0.6	7	PAKISTAN
	10	05	53	51.8*	15.017	S	173.754	W	50	G	4.7		1.0	17	TONGA ISLANDS
	10	06	14	39.7*	16.273	N	98.251	W	39	*	4.1		1.1	17	NEAR COAST OF GUERRERO, MEXICO
	10	06	25	55.4*	43.605	N	148.342	E	33	N	3.8		1.0	8	EAST OF KURIL ISLANDS
	10	07	03	46.2%	38.487	S	175.581	E	224	*			0.4	14	NORTH ISLAND, NEW ZEALAND
	10	07	31	06.4?	10.63	N	62.13	W	10	G			0.7	6	NEAR COAST OF VENEZUELA. MD 3.1 (TRN).
	10	11	45	48.3?	15.09	N	98.04	W	33	N	3.7		1.1	14	OFF COAST OF GUERRERO, MEXICO
	10	12	36	20.3	32.571	N	104.149	E	10	G	4.2		1.5	15	SICHUAN, CHINA. ML 4.0 (BJI).
	10	13	38	34.1&	63.34B	N	151.411	W	11					52	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.2 (PMR).
	10	13	47	02.4%	37.263	N	2.128	W	10	G			0.8	6	SPAIN. mbLg 2.9 (MDD).
	10	13	50	18.6	44.663	N	7.196	E	10	G			0.4	12	NORTHERN ITALY. ML 2.3 (GEN).
	10	14	24	04.4*	20.858	S	178.063	W	486	*	5.0		1.1	40	FIJI ISLANDS REGION
	10	14	24	30.7*	33.068	N	49.468	E	76	*	4.3		0.6	7	WESTERN IRAN. Felt in the Aligudarz orea.

	10	14	25	55.0	41.640	N	22.320	E	10	G			0.5	13	NORTHWESTERN BALKAN REGION. ML 2.3 (SKO). MD 2.2 (THE).
	10	14	33	59.7*	31.279	S	68.595	W	10	G			1.1	17	SAN JUAN PROVINCE, ARGENTINA. MD 4.5 (SAN).
	10	15	29	11.3?	36.08	S	71.58	W	136	*			0.9	19	CENTRAL CHILE. MD 4.2 (SAN). Felt (IV) at Talca and (III) at Valparaiso.
	10	16	33	18.2?	43.29	N	18.16	E	5	G			0.5	7	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	10	19	20	46.4%	42.859	N	12.660	E	10	G			0.3	6	CENTRAL ITALY
	10	19	24	52.7%	42.835	N	12.782	E	10	G			1.1	7	CENTRAL ITALY
	10	21	20	03.9*	36.068	N	141.045	E	33	N	3.7		0.7	7	NEAR EAST COAST OF HONSHU, JAPAN
	10	21	54	30.1	41.176	N	20.186	E	10	G			0.6	6	ALBANIA. ML 2.1 (TIR).
	10	23	10	52.7%	39.831	S	174.461	E	169	*			0.3	12	NORTH ISLAND, NEW ZEALAND
	10	23	24	47.1%	46.431	N	3.007	E	10	G			0.8	10	FRANCE. ML 2.2 (LDG).
	10	23	50	46.9*	40.991	N	72.086	W	10	G			0.9	9	NEW YORK. mbLg 2.8 (GS). Felt (IV) at Amagansett, Cutchogue, East Hampton, Greenport, Montauk and Shelter Island; (III) at Fishers Island, Southampton, Southold, Wainscott and Water Mill. Also felt (IV) at Waterford, Connecticut and (III) at Gales Ferry and Niantic, Connecticut
	11	00	20	35.4	41.016	N	22.794	E	10	G			0.7	12	NORTHWESTERN BALKAN REGION. ML 2.9 (SKO).
	11	00	23	24.9*	38.011	N	72.869	E	74	?	4.3		1.2	20	TAJIKISTAN
	11	00	38	07.3%	61.487	N	4.692	E	5	G			1.0	5	SOUTHERN NORWAY. MD 1.4 (BER).
	11	00	47	22.0	39.838	N	143.650	E	31		4.5		1.1	23	OFF EAST COAST OF HONSHU, JAPAN
	11	01	54	43.5	39.078	N	25.992	E	13		4.0		1.1	39	AEGEAN SEA. MD 4.0 (ATH).
	11	02	13	17.8	39.036	N	26.011	E	10				1.3	33	TURKEY MD 3.9 (ATH).
	11	02	26	06.7	42.575	N	46.391	E	33	N	4.3		1.6	31	EASTERN CAUCASUS
	11	02	39	40.1	39.167	N	25.954	E	10	G			1.0	9	AEGEAN SEA
	11	02	49	00.9	39.042	N	26.010	E	10	G			1.3	13	TURKEY. MD 3.3 (ATH).
	11	04	34	03.8	39.117	N	28.406	E	10	G			0.9	9	TURKEY
	11	04	40	08.1?	31.41	S	68.64	W	100	G			0.2	4	SAN JUAN PROVINCE, ARGENTINA
	11	04	40	27.3&	36.075	N	117.850	W	1					4	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS).
	11	05	25	03.6?	24.48	N	122.03	E	72	?	3.9		1.3	8	TAIWAN REGION
	11	05	28	00.6&	63.558	N	149.862	W	127		2.6			65	CENTRAL ALASKA. <AEIC>.
	11	06	47	45.4*	21.521	S	66.847	W	223	*	4.3		1.3	12	SOUTHERN BOLIVIA
	11	07	00	19.0?	69.29	N	15.78	E	10	G			0.3	4	NORTHERN NORWAY. MD 2.3 (BER).
a	11	08	36	44.7*	52.970	S	160.091	E	33	N	5.2		1.6	32	MACQUARIE ISLANDS REGION
	11	10	02	42.8?	47.50	N	146.94	E	443	?	3.2		1.1	9	NORTHWEST OF KURIL ISLANDS
	11	10	46	59.9	38.226	N	23.291	E	10	G			1.3	10	GREECE. MD 3.3 (ATH).
	11	12	31	37.3*	20.582	S	174.462	W	149	?	4.2		0.7	18	TONGA ISLANDS
	11	12	36	33.6%	18.168	N	76.654	W	10	G			1.0	6	JAMAICA REGION. MD 2.3 (HOJ).
	11	12	44	24.7%	42.317	N	19.930	E	10	G			0.2	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	11	13	43	09.8?	57.13	N	155.17	W	33	N	3.2		1.3	8	ALASKA PENINSULA
	11	13	56	01.6?	40.86	N	28.61	E	10	G			1.1	4	TURKEY
	11	14	37	30.3	7.374	N	71.758	W	37		4.9		1.0	66	VENEZUELA. Felt in western Venezuela.
	11	14	41	13 6	38.980	N	26.057	E	10	G			1.0	23	AEGEAN SEA. MD 3.8 (ATH).
	11	15	34	44.2	38.181	N	23.265	E	10	G			0.5	13	GREECE. MD 3.3 (ATH).
	11	15	40	32.9	45.904	N	14.278	E	10	G			1.2	66	NORTHWESTERN BALKAN REGION. MD 3.9 (LJU), 3.5 (TRI). ML 3.7 (LDG), 3.6 (ZAG), 3.6 (VIE). Felt at Idrija, Pivka and Vrhnika, Slovenia.
	11	15	48	12.0	38.192	N	23.305	E	10	G			0.3	7	GREECE. MD 3.0 (ATH).
	11	15	52	56.8	45.899	N	14.332	E	10	G			0.9	10	NORTHWESTERN BALKAN REGION. MD 3.1 (LJU), 2.6 (TRI). ML 2.7 (VIE). Felt (IV) at Baravnica, Slovenia.
	11	16	27	52.4?	39.13	N	26.34	E	10	G			0.8	4	TURKEY
	11	16	39	55.6%	31.698	S	68.737	W	80	G			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	11	16	56	42.4	7.280	S	122.463	E	556		5.0		1.0	74	FLORES SEA
	11	17	40	35.7*	12.487	N	142.441	E	23	D	4.9		1.1	17	SOUTH OF MARIANA ISLANDS
	11	18	25	34.3?	30.56	S	178.80	W	227	?	4.8		1.4	15	KERMADEC ISLANDS, NEW ZEALAND
	11	18	54	39.5	34.305	N	141.551	E	24	D	5.2	4.6	1.1	152	OFF EAST COAST OF HONSHU, JAPAN
	11	19	37	18.8?	51.47	N	6.26	E	10	G			0.5	4	GERMANY. MD 2.4 (UCC).
	11	19	38	03.1*	5.794	S	146.837	E	203		4.4		1.1	9	EASTERN NEW GUINEA REG., P.N.G.
a	11	19	42	59.2	3.438	S	146.734	E	28	D	5.6	6.1	1.5	115	BISMARCK SEA. Ms 6.1 (BRK). Mo=5.0*10**18 Nm (PPT).
	11	20	24	09.7	39.016	N	26.012	E	10	G			1.0	27	TURKEY. MD 3.7 (ATH).
	11	20	27	25.9%	31.553	S	68.821	W	90	G			0.8	5	SAN JUAN PROVINCE, ARGENTINA
	11	21	06	17.7	39.401	N	28.254	E	10	G			0.8	10	TURKEY
	11	21	31	23.1*	39.990	S	176.058	E	60	*	4.5		1.3	14	NORTH ISLAND, NEW ZEALAND
	11	21	34	15.9?	46.50	N	148.97	E	33	N	4.7		1.2	13	NORTHWEST OF KURIL ISLANDS
	11	21	58	32.5%	15.163	N	60.364	W	33	N			0.2	7	LEEWARD ISLANDS. ML 2.8 (FDF).
	11	22	05	12.0*	62.234	N	6.071	E	10	G			0.9	10	SOUTHERN NORWAY. MD 2.6 (BER).
	11	23	11	19.2*	21.547	S	179.472	W	612	*	5.3		0.9	49	FIJI ISLANDS REGION
a	12	00	03	42.2	52.970	N	170.934	E	24	D	5.7	4.8	0.9	339	NEAR ISLANDS, ALEUTIAN ISLANDS
	12	00	37	13.0*	39.112	N	28.095	E	10	G			0.8	6	TURKEY
	12	00	38	30.0	44.599	N	15.160	E	10	G			0.7	17	NORTHWESTERN BALKAN REGION. MD 2.2 (LJU).
	12	00	56	34.7&	59.251	N	152.020	W	69					63	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC).
	12	01	19	46.3?	31.87	S	69.53	W	110	G			1.0	5	SAN JUAN PROVINCE, ARGENTINA
	12	02	18	01.4&	63.473	N	150.824	W	14					45	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	12	03	34	41.1*	45.451	N	151.686	E	33	N	4.3		1.3	14	KURIL ISLANDS
	12	03	44	19.2*	55.990	S	27.093	W	33	N	5.3		1.7	25	SOUTH SANDWICH ISLANDS REGION
	12	03	53	24.8&	59.270	N	152.522	W	69					39	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
	12	03	56	55.1&	36.384	N	120.689	W	10					7	CENTRAL CALIFORNIA. <GM-P>. MD 2.5 (GM). ML 2.6 (PAS).
	12	04	28	42.1?	17.80	N	93.42	W	33	N	4.0		1.6	7	CHIAPAS, MEXICO
a	12	05	18	51.5	32.400	N	40.299	W	10	G	5.1	4.7	0.9	85	NORTHERN MID-ATLANTIC RIDGE
	12	05	55	34.2*	6.546	S	145.936	E	33	N	4.6	4.0	1.4	7	NEW GUINEA, PAPUA NEW GUINEA
	12	07	23	00.3%	38.718	N	14.898	E	10	G			1.6	12	SICILY. MD 3.0 (ROM).
	12	07	40	09.4%	44.078	N	7.147	E	10	G			0.3	6	NORTHERN ITALY. ML 2.0 (GEN).
	12	08	46	00.7	40.170	N	25.059	E	10	G			0.4	11	AEGEAN SEA
	12	09	02	27.2*	38.950	N	25.887	E	10	G			0.6	11	AEGEAN SEA
	12	10	52	17.4	45.057	N	3.049	E	10	G			0.9	10	FRANCE. ML 2.2 (LDG).
	12	10	57	53.8%	39.245	N	27.679	E	10	G			0.3	5	TURKEY
	12	11	47	47.6	39.931	N	22.511	E	10	G			0.6	11	GREECE
	12	11	48	36.5	39.934	N	22.489	E	10	G			0.3	11	GREECE
	12	13	05	55.2	35.308	N	2.532	W	22		5.3	5.2	1.1	333	STRAIT OF GIBRALTAR. mbLg 5.2 (MDD). Felt (VI) at Melilla and on the Chafarinas Islands, Spain.
	12	13	11	31.8*	16.544	N	99.472	W	33	N			1.2	11	NEAR COAST OF GUERRERO, MEXICO
	12	13	21	17.2	35.219	N	2.420	W	10	G			0.9	16	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD). Felt (IV) on the Chafarinas Islands, Spain.

	12	13	52	42.5*	45.427	N	16.141	E	10	G		1.1	10	NORTHWESTERN BALKAN REGION. ML 2.9 (ZAG), 2.7 (VIE). MD 2.8 (LJU).
	12	14	02	22.2?	40.02	N	30.91	E	10	G		0.5	6	TURKEY
	12	14	12	25.5&	61.439	N	150.481	W	58				49	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
	12	14	20	29.7%	32.119	S	67.355	W	120	G		1.1	5	MENDOZA PROVINCE, ARGENTINA
	12	15	51	12.5?	18.14	S	174.27	W	130	G	4.5	1.7	13	TONGA ISLANDS
	12	15	51	33.1*	35.230	N	2.232	W	10	G		1.3	16	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD). Felt (III) on the Chafarinas Islands, Spain.
o	12	16	34	46.9*	7.840	S	13.635	W	10	G	5.1 5.2	1.4	37	ASCENSION ISLAND REGION
	12	17	23	37.9%	38.084	N	15.780	E	10	G		0.5	5	SICILY
	12	18	29	05.0*	37.600	N	71.370	E	33	N	4.7	1.2	9	AFGHANISTAN-TAJIKISTAN BORD REG.
	12	18	59	14.9*	35.629	N	70.368	E	33	N	4.4	1.1	13	HINDU KUSH REGION, AFGHANISTAN
	12	19	22	28.2&	63.009	N	150.653	W	116		2.9		56	CENTRAL ALASKA. <AEIC>.
	12	19	40	22.9	39.009	N	25.967	E	10	G		0.8	19	AEGEAN SEA. ML 3.8 (ATH).
	12	20	01	41.8*	41.363	N	20.212	E	5	G		1.6	5	ALBANIA. ML 1.7 (TIR).
	12	20	17	54.4	39.004	N	25.950	E	10	G		0.7	18	AEGEAN SEA. MD 3.4 (ATH).
	12	20	23	28.4*	51.561	N	16.699	E	10	G		1.3	7	POLAND
	12	20	28	30.6?	31.11	S	68.28	W	112	?		0.9	5	SAN JUAN PROVINCE, ARGENTINA
	12	20	48	24.1%	40.075	N	28.936	E	10	G		0.4	8	TURKEY
	12	20	54	46.1?	47.79	N	151.95	E	33	N	4.0	0.5	5	KURIL ISLANDS
	12	21	21	15.8%	40.609	N	23.417	E	10	G		0.4	5	GREECE
	12	21	28	14.4*	31.794	S	70.928	W	110	G		0.3	13	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	12	22	05	40.2&	60.561	N	150.182	W	39				43	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	12	22	09	44.6%	41.923	N	12.825	E	10	G		0.6	7	SOUTHERN ITALY
	12	23	24	12.6&	63.554	N	147.890	W	89		2.7		61	CENTRAL ALASKA. <AEIC>.
	12	23	45	18.9%	40.106	N	29.333	E	10	G		0.5	6	TURKEY
	13	00	18	58.7?	24.97	S	179.95	E	565	?	4.7	0.3	7	SOUTH OF FIJI ISLANDS
	13	00	19	51.9%	38.432	N	13.004	E	10	G		1.1	11	SICILY
	13	00	31	53.9%	15.901	N	60.678	W	31			0.2	9	LEEWARD ISLANDS. ML 3.0 (FDF).
	13	00	33	58.8	34.472	N	9.656	E	33	N	4.5	1.0	16	TUNISIA. Felt at Meknassi.
	13	00	37	01.3	35.274	N	2.440	W	17		4.3	0.8	53	STRAIT OF GIBRALTAR. MD 4.6 (RBA). mbLg 4.1 (MDD). Felt (III) on the Chafarinas Islands, Spain.
	13	02	47	13.2*	52.923	N	160.708	E	33	N	4.3	1.0	17	OFF EAST COAST OF KAMCHATKA
	13	04	12	42.2&	48.337	N	122.812	W	18		3.4		111	WASHINGTON. <SEA>. MD 3.5 (SEA). ML 3.7 (GS), 3.5 (PGC). Felt (IV) at Coupeville and Parthadlock. Felt (III) at Eastsound, Lopez, Nordland, Oak Harbor, Port Townsend and Sequim. Felt ot Port Angeles and on Camono Island. Felt (III) ot Victoria, British Columbia and mildly on southern Vancouver Island from Sooke to Duncan.
	13	05	19	20.8*	35.240	N	2.428	W	11			1.1	17	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD). Felt (III) on the Chafarinas Islands, Spain.
	13	05	55	11.4&	58.259	N	156.107	W	142				58	ALASKA PENINSULA. <AEIC>.
	13	06	30	58.0	40.329	S	176.539	E	57	*	4.8	1.3	19	NORTH ISLAND, NEW ZEALAND
	13	06	46	09.7*	12.689	N	88.806	W	43	D	4.5	1.4	20	OFF COAST OF CENTRAL AMERICA. Felt (III) at San Salvador, El Salvador. Felt throughout much af El Salvador.
	13	07	00	49.1	52.817	N	160.900	E	33	D	5.0	1.1	53	OFF EAST COAST OF KAMCHATKA
	13	07	30	14.6*	33.909	S	71.398	W	33	N		1.0	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	13	07	44	03.2*	8.002	S	13.338	W	10	G	4.8	1.3	21	ASCENSION ISLAND REGION
	13	07	47	14.0&	33.800	N	116.780	W	16				16	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	13	08	17	00.3%	31.381	S	67.873	W	33	N		1.2	6	SAN JUAN PROVINCE, ARGENTINA
	13	08	22	09.9&	64.576	N	154.940	W	11				23	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	13	08	29	03.6	31.568	S	69.662	W	147	?		0.6	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
	13	08	47	15.5&	59.239	N	153.564	W	16		3.5		56	SOUTHERN ALASKA. <AEIC>. ML 3.6 (AEIC).
	13	08	47	16.7?	14.21	N	120.83	E	33	N	4.7	0.5	8	LUZON, PHILIPPINE ISLANDS
	13	08	58	00.8?	39.13	N	27.47	E	10	G		0.2	4	TURKEY
	13	10	23	02.1	44.263	N	10.039	E	10	G		1.1	24	NORTHERN ITALY. ML 2.8 (LDG).
	13	10	36	25.9?	41.83	N	125.80	W	10	G		0.3	12	OFF COAST OF NORTHERN CALIFORNIA
	13	11	01	35.7%	32.051	S	66.364	W	33	N		1.0	.5	SAN LUIS PROVINCE, ARGENTINA
	13	11	19	46.3	35.988	N	112.286	W	5	G	3.3	0.6	19	WESTERN ARIZONA. ML 3.9 (GS). Felt (V) at Grand Canyon.
	13	11	28	34.2	35.973	N	112.191	W	5	G		0.7	8	WESTERN ARIZONA. ML 2.9 (GS).
	13	11	30	28.6%	41.376	N	0.292	W	10	G		0.7	5	SPAIN. mbLg 2.9 (MDD).
	13	12	40	26.7%	42.775	N	19.124	E	10	G		0.2	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	13	12	41	25.6	37.586	N	20.813	E	10	G	4.7	1.3	102	IONIAN SEA. ML 4.5 (TTG), 4.3 (TIR). MD 4.3 (ATH).
	13	13	30	47.1	41.324	N	22.005	E	10	G		0.9	6	NORTHWESTERN BALKAN REGION. ML 2.6 (SKO).
	13	13	42	12.2	40.771	N	27.888	E	10	G		0.4	9	TURKEY
f	13	16	01	04.4	52.451	N	178.945	W	197	G	5.9	1.0	551	ANDREANOF ISLANDS, ALEUTIAN IS. mb 6.3 (BRK). Mo=4.0*10**18 Nm (PPT). Felt (IV) on Adak. Depth from broadband displacement seismograms.
	13	17	09	20.9*	51.524	N	173.352	W	33	N	4.7	0.8	15	ANDREANOF ISLANDS, ALEUTIAN IS.
f	13	17	18	39.9	39.710	N	39.605	E	27	D	6.2 6.8	1.1	584	TURKEY. Ms 6.9 (BRK). Mo=5.2*10**19 Nm (PPT). At least 498 people killed, 2,000 injured, some missing; 2,200 houses heavily domaged at Erzincon. Londslides and avolanches blacked a number of roads in the epicentral area. Felt strongly in many parts of northeastern Turkey. Complex event observed on braadband displacement seismograms.
	13	17	43	32.3	35.284	N	2.396	W	10	G		0.8	18	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD). Felt (III) on the Choforinas Islonds, Spain.
	13	17	50	01.2	9.191	S	152.394	E	25	D	5.6 6.1	1.1	118	D'ENTRECASTEAUX ISLANDS REGION. ML 6.1 (PMG).
	13	18	01	03.6?	44.33	N	129.50	W	17	G	4.0	0.6	10	OFF COAST OF OREGON
	13	18	07	24.0	35.212	N	2.365	W	10	G		1.1	18	STRAIT OF GIBRALTAR. mbLg 3.9 (MDD). Felt (IV) on the Chafarinas Islonds, Spain.
	13	18	07	31.1	28.900	S	67.272	W	138	?		0.4	10	LA RIOJA PROVINCE, ARGENTINA
	13	18	29	09.4%	39.924	N	23.845	E	10	G		0.4	7	AEGEAN SEA
	13	18	37	53.8	39.843	N	39.520	E	10	G	4.7	1.0	100	TURKEY
	13	18	44	21.7?	10.60	N	61.46	W	5	G		0.6	4	TRINIDAD. MD 2.6 (TRN).
	13	18	53	33.0?	16.25	S	173.32	W	33	N	4.6	1.6	21	TONGA ISLANDS
	13	19	30	24.1	36.705	N	45.207	E	33	N	4.9	1.3	29	IRAN-IRAQ BORDER REGION
	13	20	11	46.0?	44.01	N	7.35	E	5	G		0.1	4	NORTHERN ITALY. ML 1.2 (GEN).
	13	20	15	18.1*	39.433	N	39.914	E	10	G	4.5	1.2	16	TURKEY
	13	20	16	24.1*	30.957	S	71.581	W	10	G		1.3	15	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).

	13	21 12 12.7%	40.649	N	22.983	E	5	G		0.1	5	GREECE
	13	22 47 42.8	40.021	N	39.744	E	10	G	4.7	1.2	82	TURKEY
	13	22 50 02.2?	53.61	N	158.22	E	33	N	4.6	1.2	19	NEAR EAST COAST OF KAMCHATKA
	14	01 24 33.7	39.527	N	39.701	E	22	D	4.7	1.2	56	TURKEY
	14	03 41 03.6*	39.719	N	25.838	E	10	G		0.8	8	AEGEAN SEA
	14	04 35 02.2?	44.65	N	8.32	E	5	G		0.1	4	NORTHERN ITALY. ML 1.4 (GEN).
	14	05 12 05.0	35.994	N	112.282	W	5	G		0.5	18	WESTERN ARIZONA. ML 3.7 (GS). Felt in the Grand Canyon area.
	14	05 13 31.6	35.960	N	112.355	W	5	G	3.7	1.0	11	WESTERN ARIZONA. ML 4.2 (GS). Felt strongly in the Grand Canyon area.
	14	05 49 42.4	39.157	N	72.149	E	33	N	4.5	0.8	15	KYRGYZSTAN
	14	06 08 19.0?	45.82	N	142.55	E	297	?	3.7	0.7	7	HOKKAIDO, JAPAN REGION
	14	06 23 14.9	35.961	N	112.091	W	5	G		1.3	7	WESTERN ARIZONA. ML 2.5 (GS). Felt in the Grand Canyon area.
	14	06 47 41.9*	35.839	N	112.418	W	5	G		1.5	5	WESTERN ARIZONA. ML 2.2 (GS). Felt in the Grand Canyon area.
	14	06 48 03.3	3.518	N	128.280	E	79	*	4.9	1.0	36	NORTH OF HALMAHERA, INDONESIA
	14	06 52 59.9%	31.239	S	68.098	W	33	N		1.0	5	SAN JUAN PROVINCE, ARGENTINA
	14	07 11 56.0	35.920	N	112.227	W	5	G		0.9	8	WESTERN ARIZONA. ML 2.4 (GS). Felt in the Grand Canyon area.
	14	07 17 33.9	16.697	N	46.560	W	10	G	5.0	0.8	49	NORTHERN MID-ATLANTIC RIDGE
	14	07 30 24.4	16.786	N	46.482	W	10	G	5.0	0.9	46	NORTHERN MID-ATLANTIC RIDGE
	14	07 51 19.6?	16.27	N	46.31	W	10	G	4.8	1.1	21	NORTHERN MID-ATLANTIC RIDGE
	14	08 06 30.2	36.715	N	4.295	W	60	G		1.4	34	STRAIT OF GIBRALTAR. MD 3.7 (RBA).
	14	09 17 04.8*	24.576	N	122.613	E	33	N	4.3	1.2	18	TAIWAN REGION. ML 4.0 (BJI).
	14	09 18 33.6%	44.351	N	7.005	E	10	G		0.4	5	NORTHERN ITALY. ML 1.5 (GEN).
	14	09 39 44.7*	54.986	N	161.740	E	33	N	4.2	0.4	9	NEAR EAST COAST OF KAMCHATKA
	14	09 50 55.0?	40.62	N	22.96	E	10	G		1.4	5	GREECE
	14	09 54 19.2?	40.49	N	22.98	E	10	G		0.7	5	GREECE
	14	09 58 08.3?	40.39	N	23.05	E	10	G		0.2	4	GREECE
	14	10 00 04.2%	41.134	N	28.488	E	10	G		0.5	8	TURKEY
	14	11 06 54.7?	6.51	S	146.23	E	129	?		0.8	5	EASTERN NEW GUINEA REG., P.N.G.
	14	11 25 29.4?	18.00	N	66.06	W	33	N		1.1	5	PUERTO RICO REGION
	14	12 22 54.6&	63.411	N	151.232	W	12				42	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	14	12 39 04.4%	31.464	S	66.651	W	33	N		0.9	6	LA RIOJA PROVINCE, ARGENTINA
	14	12 40 26.0	30.664	N	78.829	E	30	D	4.8	0.8	56	NORTHERN INDIA
	14	12 52 34.9%	39.960	N	30.076	E	10	G		0.7	5	TURKEY
	14	13 17 19.6?	40.02	N	30.56	E	10	G		0.8	5	TURKEY
	14	14 09 06.6*	36.027	N	112.195	W	5	G		1.3	5	WESTERN ARIZONA. ML 2.3 (GS). Felt in the Grand Canyon area.
	14	14 55 23.5%	31.440	S	68 732	W	90	G		1.2	6	SAN JUAN PROVINCE, ARGENTINA
	14	15 03 05.9	4.874	S	145.460	E	71	*	4.8	1.3	49	NEAR N COAST OF NEW GUINEA, PNG.
	14	15 14 23.2?	42.92	N	9.26	W	10	G		1.5	4	SPAIN. mbLg 3.1 (MDD).
	14	16 00 51.5?	42.86	N	9.18	W	10	G		0.3	4	SPAIN. mbLg 3.2 (MDD).
	14	16 13 16.7?	16.76	N	46.62	W	10	G	4.9	0.9	22	NORTHERN MID-ATLANTIC RIDGE
	14	17 28 40.3?	17.30	N	94.89	W	33	N		1.3	4	CHIAPAS, MEXICO
	14	20 46 02.2%	44.352	N	6.994	E	5	G		0.4	8	FRANCE. ML 2.1 (GEN).
	14	21 06 20.8&	63.098	N	150.437	W	107				43	CENTRAL ALASKA. <AEIC>.
	14	21 25 33.9?	44.51	N	7.26	E	10	G		0.0	4	NORTHERN ITALY. ML 1.3 (GEN).
	14	22 15 04.5	24.363	S	179.905	W	498		4.8	1.1	60	SOUTH OF FIJI ISLANDS
a	15	01 01 27.1	23.548	N	123.562	E	31	D	5.7 6.0	1.1	331	SOUTHWESTERN RYUKYU ISLANDS. Mo=2.0*10**18 Nm (PPT).
	15	01 17 04.8?	43.05	N	18.76	E	10	G		0.5	4	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
	15	01 58 10.9	7.321	S	128.513	E	131		5.1	1.0	52	BANDA SEA
	15	02 03 40.7?	31.29	S	69.04	W	122	?		1.0	8	SAN JUAN PROVINCE, ARGENTINA
	15	03 15 43.5	42.276	N	14.296	E	10	G		0.5	12	CENTRAL ITALY
	15	03 50 36.7%	39.445	N	23.388	E	10	G		0.7	6	AEGEAN SEA
	15	03 53 05.7%	44.454	N	12.119	E	10	G		0.5	7	NORTHERN ITALY
	15	03 53 52.6?	31.46	S	69.48	W	110	G		0.8	5	SAN JUAN PROVINCE, ARGENTINA
	15	04 09 37.2%	11.856	N	43.376	E	10	G		0.8	8	ETHIOPIA ML 3.6 (ARO).
	15	04 58 27.1%	40.858	N	28.317	E	10	G		0.8	8	TURKEY
	15	05 16 11.2%	40.620	N	27.633	E	10	G		0.5	7	TURKEY
	15	05 22 12.0?	35.33	N	27.37	E	33	N		0.7	7	DODECANESE ISLANDS. ML 3.7 (CSS).
	15	06 13 55.2	41.911	N	81.245	W	5	G		0.9	14	OHIO. mbLg 3.5 (GS). Felt (IV) at Ashtabula, Columbia Station, Concord, Conneaut, Madison, North Perry and Unionville. Felt (III) at Austinburg, Bereo, Fairport Harbor, Geneva, Grand River and Painesville.
	15	06 31 49.5	39.087	N	28.579	E	10	G		0.8	10	TURKEY
	15	06 31 51.3%	28.587	S	124.646	E	10	G		1.1	5	WESTERN AUSTRALIA
	15	06 47 27.9?	14.90	N	98.10	W	33	N	3.4	0.8	10	OFF COAST OF GUERRERO, MEXICO
	15	07 02 10.8	62.081	N	150.535	W	70	*	2.7	0.8	15	CENTRAL ALASKA
	15	07 23 11.8	45.803	N	151.219	E	33	N	5.3	0.8	184	KURIL ISLANDS
	15	08 29 40.2%	40.451	N	21.858	E	10	G		0.3	5	GREECE
	15	08 38 35.0	43.154	N	10.684	E	10	G		0.6	16	CENTRAL ITALY. MD 3.0 (ROM). ML 3.0 (LDG).
	15	09 00 17.1%	38.699	N	27.246	E	10	G		0.4	10	TURKEY
	15	09 10 39.6&	46.217	N	123.245	W	28				69	WASHINGTON-OREGON BORDER REGION. <SEA>. MD 3.0 (SEA). ML 3.1 (GS). Felt (III) at Cathlamet and Longview, Washington. Felt (II) at Clatskanie, Oregon.
	15	09 50 18.9	57.386	N	152.837	W	61	*	3.5	0.9	17	KODIAK ISLAND REGION. ML 3.8 (PMR).
	15	09 57 48.9	13.747	N	92.103	W	33	N	4.6	0.9	50	OFF COAST OF CHIAPAS, MEXICO
	15	10 40 49.0	39.249	N	27.689	E	10	G		0.6	7	TURKEY
	15	10 55 04.7%	38.544	S	175.695	E	200	?		0.4	11	NORTH ISLAND, NEW ZEALAND
	15	11 54 52.2?	39.47	N	29.59	E	10	G		0.8	6	TURKEY
	15	12 12 02.1*	32.251	S	71.962	W	33	N		1.3	19	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	15	14 09 30.4?	27.02	N	55.04	E	33	N	3.7	1.2	8	SOUTHERN IRAN
	15	14 13 23.2*	36.022	N	112.121	W	5	G		0.8	5	WESTERN ARIZONA. ML 2.5 (GS). Felt in the Grand Canyon area.
	15	14 36 27.9%	37.019	N	4.488	W	10	G		1.6	7	SPAIN. mbLg 2.9 (MDD).
	15	15 07 05.1?	6.59	S	129.83	E	33	N	4.3	1.6	8	BANDA SEA
a	15	16 16 24.2	39.532	N	39.929	E	21	D	5.5 5.8	1.2	367	TURKEY. MD 6.0 (ISK). Mo=4.0*10**18 Nm (PPT). Additional damage in the Erzincan area. Felt strongly in the epicentral area.
	15	16 35 27.6?	7.87	S	13.32	W	10	G	4.4	1.2	7	ASCENSION ISLAND REGION
	15	16 46 39.6?	18.10	N	77.57	W	10	G		0.1	4	JAMAICA REGION. MD 2.9 (HOJ). Felt (III) at Santa Cruz

													and St. Elizabeth.
	15	17	38	06.7*	7.622	S	13.424	W	10	G	4.9	1.3	29 ASCENSION ISLAND REGION
	15	17	45	59.9%	40.150	N	29.006	E	10	G		0.8	8 TURKEY
	15	18	07	23.7*	6.989	S	155.421	E	33	N	4.6 4.5	1.3	19 SOLOMON ISLANDS
	15	18	29	28.6%	39.204	N	22.931	E	10	G		0.8	6 GREECE
	15	18	35	01.4%	39.241	N	29.195	E	10	G		0.8	6 TURKEY
o	15	19	21	54.5?	39.60	S	15.32	W	10	G	5.3 4.6	1.6	14 TRISTAN DA CUNHA REGION
	15	19	21	59.5?	13.92	N	60.21	W	32	*		0.4	7 WINDWARD ISLANDS MD 2.8 (TRN).
	15	19	22	14.0?	6.51	S	147.13	E	95	*	4.1	1.3	7 EASTERN NEW GUINEA REG., P.N.G.
	15	20	31	02.8?	24.02	S	178.89	E	566	?	4.7	1.5	23 SOUTH OF FIJI ISLANDS
	15	20	44	25.1	38.711	N	27.658	E	10	G		0.8	11 TURKEY
	15	21	15	01.2?	12.99	S	166.55	E	196	?	4.8	1.2	10 SANTA CRUZ ISLANDS
	15	22	06	28.2	38.193	N	22.136	E	33	N		1.4	18 GREECE. MD 3.1 (ATH).
	15	22	09	38.8?	41.95	N	12.80	E	10	G		0.4	4 SOUTHERN ITALY
	15	22	18	45.7?	31.58	S	68.95	W	126	?		1.0	6 SAN JUAN PROVINCE, ARGENTINA
	15	22	43	19.8?	7.29	S	128.81	E	156	?	4.7	1.0	12 BANDA SEA
	15	23	28	43.6	38.302	N	70.543	E	33	N	4.5	1.5	42 AFGHANISTAN-TAJIKISTAN BORD REG. ML 4.7 (BJI).
	15	23	43	38.1*	41.418	N	14.017	E	10	G		0.6	10 SOUTHERN ITALY
	15	23	44	33.0	41.497	N	14.045	E	20			1.0	25 SOUTHERN ITALY. ML 3.6 (LDG).
	16	00	10	02.2*	24.148	N	123.706	E	33	N	4.2	0.7	6 SOUTHWESTERN RYUKYU ISLANDS
	16	01	18	55.9	34.343	N	86.288	E	33	N	4 7 4.0	1.1	34 XIJANG
	16	01	41	40.5*	23 851	S	177.428	W	33	N	5.1 4.9	1.1	35 SOUTH OF FIJI ISLANDS
	16	01	47	16.9?	23.91	S	177.41	W	25	D	5 0	1.5	10 SOUTH OF FIJI ISLANDS
	16	01	54	43.4?	23.96	S	177.32	W	21	D	5.3	1.3	25 SOUTH OF FIJI ISLANDS
	16	02	02	54.3?	23.97	S	177.37	W	33	N	5.0	1.4	14 SOUTH OF FIJI ISLANDS
	16	02	09	44.6?	36.06	N	9.68	E	33	N	4.3	1.4	6 TUNISIA
	16	03	15	52.4%	41.447	N	14.023	E	10	G		0.7	6 SOUTHERN ITALY
	16	03	22	04.1&	36.029	N	117.885	W	4				6 CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS
	16	03	41	30.1	3.819	N	123.210	E	541	*	4.8	0.6	28 CELEBES SEA
	16	03	44	29.1*	21.700	S	169.086	E	39	D	4.9	1.4	37 LOYALTY ISLANDS REGION
	16	03	59	29.3?	18.06	N	77.46	W	10	G		0.4	4 JAMAICA REGION MD 2.9 (HOJ).
	16	04	01	08.3	38.237	N	20.323	E	10	G		1.0	16 GREECE. MD 3.2 (ATH).
	16	04	20	43.9*	35.835	N	27.771	E	33	N		1.6	14 DODECANESE ISLANDS. MD 4.2 (HLW), 3.8 (ATH). ML 3.9 (CSS).
	16	04	23	50.8	32.567	S	70.538	W	10	G		0.8	17 CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	16	04	27	26.5	51.424	N	175.704	W	33	N	4.7	1.2	30 ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
a	16	04	43	48.7*	23.966	S	177 312	W	33	N	5.3 5.2	1.2	64 SOUTH OF FIJI ISLANDS. Mo=1.0*10**18 Nm (PPT).
	16	05	00	41.4?	40.72	N	21.73	E	10	G		1.1	4 GREECE
	16	05	11	55.3%	39.806	N	22.948	E	10	G		0.5	9 GREECE
	16	05	26	20.2	44.855	N	111.617	W	5	G		0.7	11 HEBGEN LAKE REGION. ML 3.3 (BUT).
	16	05	45	35.3	41.406	N	13.957	E	10	G		1.3	28 SOUTHERN ITALY. MD 3.0 (ROM).
	16	06	04	39.6%	39.840	N	22.912	E	10	G		0.9	5 GREECE
	16	06	33	45 8	39.727	N	26.085	E	10	G		0.9	39 TURKEY
	16	06	38	47.7?	39.76	N	26.15	E	10	G		0.7	5 TURKEY
	16	06	44	54 0%	38.598	N	15.339	E	10	G		1.2	7 SICILY
	16	07	03	19.3%	17.576	N	61.865	W	33	N		0.7	6 LEEWARD ISLANDS. MD 2.6 (TRN).
	16	08	45	58.1*	15.779	S	166.416	E	33	N	4.5 4.0	1.4	17 VANUATU ISLANDS
	16	08	56	32.7?	24.32	S	179.68	W	500	G	4.8	1.6	12 SOUTH OF FIJI ISLANDS
	16	09	03	02.3?	8.95	S	120.97	E	126	?	4.7	1.2	9 FLORES REGION, INDONESIA
	16	09	39	39.2?	39.24	N	27.57	E	10	G		0.3	4 TURKEY
	16	10	30	27.9&	33.810	N	117.795	W	10				19 SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.5 (GS).
	16	10	34	44.9	39.056	N	26.138	E	10	G		1.0	18 TURKEY
	16	10	37	45.8?	38.92	N	25.67	E	10	G		0.5	7 AEGEAN SEA
	16	11	03	58.9%	43.515	N	12.602	E	10	G		0.5	5 CENTRAL ITALY
	16	11	17	53.0	62.182	N	153.543	W	33	N		1.3	9 CENTRAL ALASKA. ML 2.9 (PMR).
	16	11	41	56.9%	32.022	S	69.440	W	110	G		0.4	6 MENDOZA PROVINCE, ARGENTINA
	16	11	57	39.7%	41.734	N	13.686	E	10	G		0.9	12 SOUTHERN ITALY
	16	12	08	03.9&	40.295	N	124.788	W	11		3.7		29 NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK), 3.7 (GS). Felt (III) at Ferndale.
	16	12	18	43.5	61.415	N	149.403	W	33	N		0.9	13 SOUTHERN ALASKA. ML 2.7 (PMR).
	16	12	21	20.5?	40.24	N	29.61	E	10	G		1.0	4 TURKEY
	16	12	41	26.7%	44.532	N	7.300	E	10	G		0.8	7 NORTHERN ITALY. ML 2.1 (GEN).
	16	13	19	11.3%	46.373	N	0.743	E	10	G		1.3	14 FRANCE. ML 2.8 (LDG).
	16	13	23	53.9?	30.48	N	139.09	E	497	?	3.7	0.4	10 SOUTH OF HONSHU, JAPAN
	16	14	04	01.6%	39.750	N	26.083	E	10	G		0.7	6 TURKEY
	16	14	42	49.5&	40.465	N	112 043	W	12		4.4		48 UTAH. <SLC-P>. ML 4.2 (SLC). Felt (V) at Bingham Canyon, Copperton, Draper, Riverton and Stockton; (IV) at Cedar Valley, Kearns, Lehi, Snowbird, Tooele and West Jordan; (III) at Pleasant Grove, Provo, Salt Lake City and West Valley City.
	16	15	33	46.5%	39.225	N	28.128	E	10	G		0.9	6 TURKEY
	16	15	41	40.1%	39.385	N	27.782	E	10	G		0.5	11 TURKEY
	16	16	03	45.8*	14.094	N	121.813	E	33	N	4.8	0.8	11 LUZON, PHILIPPINE ISLANDS
	16	17	05	31.2?	38.93	N	20.57	E	10	G		0.1	4 GREECE. MD 3.1 (ATH).
	16	17	09	57.4*	66.320	N	149.992	W	10	G		1.3	8 NORTHERN ALASKA. ML 3.7 (PMR).
	16	17	58	57.2*	14.228	N	93.911	W	33	N	4.5	1.0	14 NEAR COAST OF CHIAPAS, MEXICO
	16	18	02	11.6&	36.007	N	117.884	W	3				4 CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.6 (PAS).
	16	18	23	28.1&	36.008	N	117.883	W	3				12 CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS), 2.9 (GS).
	16	18	31	03.9	35.200	S	71.055	W	95		4.2	0.6	27 CENTRAL CHILE. MD 4.3 (SAN). Felt (IV) at Talca. Also felt at Curica.
	16	18	34	59.3&	36.006	N	117.883	W	3				3 CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS).
	16	18	39	49.5&	36.008	N	117.878	W	3				6 CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS).
	16	18	53	35.1&	62.113	N	151.353	W	82				68 CENTRAL ALASKA. <AEIC>.
	16	19	02	14.1?	45.06	N	3.32	E	10	G		1.1	5 FRANCE. ML 1.9 (LDG).
	16	19	16	01.5*	21.574	S	173.729	W	33	N	4.9 4.6	1.2	33 TONGA ISLANDS
	16	19	18	44.6%	41.635	N	13.750	E	10	G		0.9	12 SOUTHERN ITALY
	16	19	20	22.3&	36.003	N	117.882	W	1				21 CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.5 (PAS), 3.7 (GS).
	16	19	47	32.8&	36.008	N	117.883	W	3				2 CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS).
	16	20	54	03.3	2.150	S	102.057	E	191	D	4.7	1.2	77 SOUTHERN SUMATERA, INDONESIA
	16	21	34	43.4?	28.37	S	176.04	W	33	N	4.9	1.6	10 KERMADEC ISLANDS REGION
	16	22	37	46.1?	21.11	S	66.54	W	174	?		0.9	6 SOUTHERN BOLIVIA

a	16	23 21 33.3	35.406	S	178.528	E	181	D	5.4	1.4	74	OFF E. COAST OF N. ISLAND, N.Z.
	16	23 44 20.1*	37.098	N	28.545	E	10	G		1.1	8	TURKEY
	17	00 04 29.5?	46.38	N	2.08	E	10	G		1.0	4	FRANCE. ML 1.2 (LDG).
a	17	00 38 09.3	18.394	S	167.732	E	33	N	5.3 4.9	1.2	101	VANUATU ISLANDS. Mo=3.2*10**17 Nm (PPT).
	17	01 06 35.2*	51.606	N	7.571	E	10	G		1.4	8	GERMANY. ML 2.3 (BNS).
	17	01 18 20.4*	15.684	S	166.533	E	33	N	4.2	0.7	14	VANUATU ISLANDS
	17	01 35 52.6&	58.582	N	143.630	W	10	G			33	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).
	17	01 38 07.3?	46.88	N	0.07	W	10	G		1.0	4	FRANCE. ML 1.8 (LDG).
	17	01 43 27.2?	12.81	N	60.37	W	33	N		0.0	4	WINDWARD ISLANDS. MD 3.1 (TRN).
a	17	02 14 49.6	9.216	N	92.833	E	67	D	4.8	0.8	90	NICOBAR ISLANDS, INDIA
	17	03 30 22.4*	32.698	S	71.433	W	33	N		1.2	11	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	17	03 45 47.2?	46.42	N	2.03	E	10	G		0.1	4	FRANCE. ML 1.5 (LDG).
	17	03 46 01.0?	10.94	N	62.15	W	70	G		0.7	7	NEAR COAST OF VENEZUELA. MD 3.2 (TRN).
	17	04 12 16.8?	11.08	N	61.94	W	33	N		1.3	4	WINDWARD ISLANDS. MD 3.0 (TRN).
	17	05 06 06.0&	61.530	N	150.014	W	34				52	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	17	05 13 55.9	6.539	N	125.780	E	102		5.2	1.2	112	MINDANAO, PHILIPPINE ISLANDS
	17	05 33 30.5%	47.702	N	0.624	W	10	G		0.8	5	FRANCE. ML 2.3 (LDG).
	17	06 18 07.9?	33.75	S	72.54	W	33	N		0.8	13	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	17	06 22 18.5?	6.92	S	128.70	E	207	?	4.0	0.3	5	BANDA SEA
a	17	06 44 02.2	14.459	N	92.867	W	60		5.0	1.1	178	NEAR COAST OF CHIAPAS, MEXICO. Mo=5.0*10**17 Nm (PPT). Felt at Puebla.
	17	07 13 58.6*	14.163	N	93.174	W	33	N	4.4	1.4	26	NEAR COAST OF CHIAPAS, MEXICO
	17	07 36 50.4&	61.306	N	150.386	W	40				79	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.4 (PMR). Felt (III) at Anchorage, Palmer and Wasilla.
	17	08 52 22.9*	7.448	S	132.397	E	155	?	4.8	0.4	11	TANIMBAR ISLANDS REG., INDONESIA
	17	09 30 11.2%	34.044	S	70.153	W	10	G		0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
a	17	10 51 22.1	7.445	S	124.732	E	387		4.9	1.0	141	BANDA SEA
	17	11 15 16.6	36.460	N	26.548	E	164		4.1	1.0	31	DODECANESE ISLANDS. MD 4.2 (HLW), 3.9 (ATH).
	17	11 23 40.0%	40.463	N	23.082	E	10	G		0.3	5	GREECE
	17	11 31 44.8	44.513	N	7.291	E	10	G		0.4	25	NORTHERN ITALY. ML 3.0 (LDG), 2.8 (GEN).
	17	11 56 35.8&	36.010	N	117.875	W	3		3.0		31	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.8 (PAS), 3.9 (GS).
	17	12 01 19.6?	6.46	S	133.52	E	33	N	4.2	0.8	5	ARU ISLANDS REGION, INDONESIA
	17	13 29 24.6%	40.199	N	27.902	E	10	G		0.6	7	TURKEY
	17	14 25 16.7&	59.874	N	152.126	W	93				66	SOUTHERN ALASKA. <AEIC>.
a	17	15 10 12.9	10.432	S	74.608	W	130	D	5.1	1.1	135	CENTRAL PERU. Felt (IV) at Oxapampa and Satipo. Also felt at La Merced and La Oroya.
	17	15 26 40.0*	38.093	N	20.227	E	5	G		1.0	13	GREECE. MD 3.7 (ATH).
	17	16 30 40.9%	66.936	N	20.931	E	10	G		0.5	5	SWEDEN. MD 3.0 (BER).
	17	16 36 14.9	39.110	N	22.108	E	10	G	3.5	1.3	39	GREECE. ML 3.7 (TIR), 3.6 (ATH).
	17	16 53 16.6&	41.958	N	125.915	W	5		3.5		64	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	17	17 01 04.6%	40.136	N	29.312	E	10	G		0.4	5	TURKEY
	17	17 17 39.3	40.479	S	176.377	E	75	*	4.7	1.0	15	NORTH ISLAND, NEW ZEALAND
	17	17 43 56.3%	31.545	S	67.960	W	33	N		0.7	6	SAN JUAN PROVINCE, ARGENTINA
	17	18 55 07.9*	20.066	S	178.304	W	578	D	4.7	1.4	62	FIJI ISLANDS REGION
	17	20 01 06.8%	35.407	N	2.480	W	10	G		0.3	6	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
	17	20 23 26.6?	36.11	N	30.69	E	10	G		0.5	5	TURKEY
	17	21 52 40.6%	44.029	N	7.111	E	10	G		0.3	5	NORTHERN ITALY. ML 1.9 (GEN).
	17	22 11 23.8?	12.71	N	60.57	W	33	N		0.7	5	WINDWARD ISLANDS. MD 3.1 (TRN).
	17	23 40 44.4	36.422	N	71.115	E	228		4.4	0.9	58	AFGHANISTAN-TAJIKISTAN BORD REG.
a	18	00 34 28.0	6.731	S	154.981	E	25	D	5.2 4.8	0.9	81	SOLOMON ISLANDS *
	18	00 35 31.0?	29.27	S	177.82	W	42	*		1.6	6	KERMADEC ISLANDS, NEW ZEALAND
	18	01 59 27.3	44.461	N	7.157	E	10	G		0.6	16	NORTHERN ITALY. ML 2.2 (GEN), 2.0 (LDG).
	18	02 25 10.6*	29.415	S	71.406	W	33	N		1.5	18	NEAR COAST OF CENTRAL CHILE
a	18	02 37 09.0	4.109	S	142.755	E	121	D	5.1	1.0	89	NEW GUINEA, PAPUA NEW GUINEA
	18	02 54 09.5%	42.195	N	18.833	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	18	03 10 33.1*	12.318	N	57.949	E	10	G	4.7	1.2	14	ARABIAN SEA
	18	03 27 48.6	40.486	S	176.605	E	86	*		0.8	39	NORTH ISLAND, NEW ZEALAND
	18	03 31 11.2%	11.166	N	61.556	W	33	N		0.8	5	WINDWARD ISLANDS. MD 2.7 (TRN).
	18	03 33 22.0%	11.174	N	61.486	W	33	N		0.7	8	WINDWARD ISLANDS. MD 3.1 (TRN).
	18	03 56 51.9?	29.19	S	71.72	W	33	N		1.7	13	NEAR COAST OF CENTRAL CHILE
	18	04 49 34.1?	14.95	N	91.77	W	165	*	4.1	1.3	12	GUATEMALA
	18	04 50 18.8&	59.476	N	152.844	W	77				41	SOUTHERN ALASKA. <AEIC>.
	18	06 31 12.8&	36.163	N	120.300	W	6				15	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK), 2.7 (PAS).
	18	06 55 46.8&	36.162	N	120.300	W	6				18	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK), 2.8 (PAS).
	18	06 56 10.7&	36.162	N	120.293	W	8	G			18	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK), 3.1 (PAS). Felt (IV) at Coalinga.
a	18	07 27 52.9	6.855	S	154.962	E	37	D	5.1 4.7	0.9	44	SOLOMON ISLANDS
	18	07 42 33.9&	34.231	N	117.435	W	11				16	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS).
	18	08 25 02.5%	11.240	N	61.481	W	10	G		0.6	7	WINDWARD ISLANDS. MD 3.8 (TRN).
a	18	08 26 05.7	6.780	S	154.935	E	40	D	5.4 5.0	1.0	78	SOLOMON ISLANDS
	18	09 09 13.6	40.097	N	29.403	E	10	G		0.4	10	TURKEY
	18	09 12 52.8*	7.277	S	154.755	E	241	?	4.6	1.1	13	SOLOMON ISLANDS
	18	09 19 11.5*	6.950	S	154.846	E	96	*	4.8	1.2	24	SOLOMON ISLANDS
	18	09 36 06.2*	6.948	S	154.769	E	97	*	4.6	1.3	18	SOLOMON ISLANDS
	18	09 37 40.9%	40.138	N	29.373	E	10	G		0.1	5	TURKEY
	18	09 46 24.7	7.001	S	154.922	E	100	*	5.0	0.7	24	SOLOMON ISLANDS
	18	09 56 19.6*	37.921	N	27.308	E	10	G		0.4	5	TURKEY
	18	10 02 21.0?	35.22	N	2.39	W	10	G		1.1	6	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
	18	10 15 48.1?	40.15	N	29.23	E	10	G		0.4	4	TURKEY
	18	10 17 30.6%	40.151	N	29.301	E	10	G		0.3	7	TURKEY
	18	10 35 40.4%	40.109	N	29.414	E	10	G		0.8	9	TURKEY
	18	10 48 50.1%	40.838	N	0.508	W	10	G		1.2	8	SPAIN. mbLg 2.8 (MDD).
	18	11 17 26.1%	39.061	N	16.431	E	10	G		0.8	11	SOUTHERN ITALY
	18	11 18 39.2%	41.114	N	28.502	E	10	G		0.7	7	TURKEY
	18	11 44 56.4?	15.37	S	176.95	W	406		4.9	0.9	20	FIJI ISLANDS REGION
	18	11 47 09.7?	39.47	N	28.13	E	10	G		0.3	5	TURKEY
	18	11 50 11.5%	44.443	N	7.352	E	10	G		0.3	5	NORTHERN ITALY. ML 2.0 (GEN).
	18	12 00 07.5?	44.43	N	7.36	E	5	G		0.1	4	NORTHERN ITALY. ML 1.6 (GEN).
	18	12 02 42.8	43.179	N	126.413	W	10	G	4.4	0.8	93	OFF COAST OF OREGON
	18	12 04 11.6	35.317	N	2.306	W	10	G		1.1	19	STRAIT OF GIBRALTAR. mbLg 3.7 (MDD).
	18	13 24 18.9*	37.769	S	176.714	E	207	*		0.7	25	NORTH ISLAND, NEW ZEALAND
	18	13 25 31.0?	41.40	N	22.44	E	10	G		0.2	4	NORTHWESTERN BALKAN REGION

	18	13	41	08.7%	40.150	N	29.272	E	10	G		0.4	9	TURKEY
	18	14	00	07.3?	33.95	S	71.72	W	33	N		0.3	7	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	18	14	28	41.4	44.620	N	7.263	E	10	G		0.8	32	NORTHERN ITALY. ML 3.1 (LDG), 2.9 (GEN).
	18	15	37	41.1	41.307	N	14.845	E	10	G		1.3	14	SOUTHERN ITALY
	18	15	52	18.5%	41.492	N	15.238	E	10	G		0.3	6	SOUTHERN ITALY
	18	16	25	04.1	43.025	N	147.072	E	36	D	5.0	1.0	91	KURIL ISLANDS
	18	16	29	54.5	41.279	N	14.800	E	10	G		1.2	72	SOUTHERN ITALY. ML 3.9 (LDG), 3.4 (ROM).
	18	16	36	59.3?	41.15	N	14.36	E	10	G		1.0	4	SOUTHERN ITALY
	18	16	38	03.5?	41.24	N	14.85	E	10	G		0.5	4	SOUTHERN ITALY
	18	17	13	19.9%	33.708	S	71.224	W	33	N		0.6	9	NEAR COAST OF CENTRAL CHILE
	18	17	26	42.4?	54.51	S	1.60	E	10	G	4.8	1.7	8	BOUVET ISLAND REGION
	18	17	31	01.4?	33.24	N	34.44	E	10	G		0.3	6	EASTERN MEDITERRANEAN SEA
	18	18	09	07.2	46.620	N	152.767	E	33	N	4.8	0.9	59	KURIL ISLANDS
	18	19	04	20.0%	41.271	N	23.316	E	10	G		0.7	5	GREECE-BULGARIA BORDER REGION
	18	19	22	04.1&	61.593	N	150.417	W	45				56	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
	18	19	51	57.5?	23.52	S	177.31	W	220	?	4.4	1.3	10	SOUTH OF FIJI ISLANDS
	18	20	09	32.1?	39.18	N	16.37	E	10	G		0.9	5	SOUTHERN ITALY
	18	20	31	09.6	45.865	N	9.969	E	10	G		1.1	34	NORTHERN ITALY. ML 2.6 (LDG).
	18	21	06	33.7	34.090	S	70.176	W	15			0.5	13	CHILE-ARGENTINA BORDER REGION
	18	21	17	26.6	43.110	N	0.068	E	10	G		0.6	6	FRANCE. ML 2.8 (LDG). Felt (II) at Bagneres de Bigorre.
	18	21	23	15.1*	28.635	S	67.011	W	175	?		1.1	16	LA RIOJA PROVINCE, ARGENTINA
	18	22	21	58.4&	55.220	N	115.963	W	5	G			5	ALBERTA, CANADA. <PGC-P>. ML 3.5 (PGC).
	18	22	54	08.1%	41.188	N	24.283	E	10	G		0.5	9	GREECE-BULGARIA BORDER REGION
	19	03	16	58.5*	73.104	N	6.990	E	10	G		1.0	7	GREENLAND SEA. MD 3.1 (BER).
	19	05	23	06.7?	12.92	N	57.51	E	10	G	4.1	1.3	12	ARABIAN SEA
	19	05	45	00.7	54.504	N	157.233	W	33	N	3.8	1.0	43	SOUTH OF ALASKA. ML 4.1 (PMR).
	19	06	16	22.0	17.570	N	61.144	W	36	D	5.2	0.8	199	LEEWARD ISLANDS. MD 4.6 (TRN). Felt (III) on Guadeloupe. Also felt on St. Croix.
o	19	06	34	25.8	17.155	N	120.827	E	15	D	5.7 6.0	1.2	334	LUZON, PHILIPPINE ISLANDS. Mo=2.5*10**18 Nm (PPT). Felt (V RF) at Baguio, (III RF) at Pasuquin, (II RF) at Manila and (I RF) at Quezon City. Complex event observed on broadband displacement seismograms.
	19	06	36	13.9?	17.59	N	61.09	W	33	N		1.2	8	LEEWARD ISLANDS. MD 2.9 (TRN).
	19	06	45	40.0*	16.905	N	120.762	E	33	N	4.6	1.4	16	LUZON, PHILIPPINE ISLANDS
	19	07	46	09.4	17.076	N	121.027	E	19	D	4.8 4.6	1.2	58	LUZON, PHILIPPINE ISLANDS
	19	08	23	55.2*	32.742	S	68.546	W	152	?		0.3	7	MENDOZA PROVINCE, ARGENTINA
	19	08	26	04.8	41.174	N	20.187	E	10	G		1.3	6	ALBANIA. ML 2.4 (TIR).
	19	09	03	15.3&	50.550	N	129.932	W	10	G	3.7		65	VANCOUVER ISLAND REGION. <PGC-P>. ML 4.5 (PGC).
	19	09	26	19.9	21.548	S	68.410	W	116	D	4.4	1.1	30	CHILE-BOLIVIA BORDER REGION
o	19	10	05	50.3?	15.50	S	176.70	W	33	N	4.8 4.9	1.1	28	FIJI ISLANDS REGION
	19	10	47	56.9	73.456	N	7.179	E	10	G	4.5	1.1	26	GREENLAND SEA
	19	11	02	40.1	73.236	N	6.823	E	10	G	4.5 3.8	1.2	40	GREENLAND SEA
	19	11	16	20.0?	17.79	S	178.16	W	628		4.7	1.2	38	FIJI ISLANDS REGION
	19	11	16	57.8?	39.06	N	26.09	E	10	G		0.5	6	TURKEY
	19	11	27	04.8	16.418	N	95.252	W	96		4.7	0.8	47	OAXACA, MEXICO
	19	11	45	50.5%	40.163	N	29.245	E	10	G		0.6	13	TURKEY. Felt at Bursa.
	19	12	04	11.9*	73.446	N	6.892	E	10	G	4.4	1.5	23	GREENLAND SEA
	19	12	16	54.9	73.258	N	6.926	E	10	G	4.6	1.3	56	GREENLAND SEA
	19	12	31	44.9?	51.22	N	16.00	E	10	G		1.7	4	POLAND
	19	13	34	01.3%	41.064	N	28.990	E	10	G		0.7	6	TURKEY
	19	13	42	32.0%	45.168	N	6.982	E	10	G		0.5	5	FRANCE. ML 2.0 (GEN).
	19	13	50	33.9%	39.010	N	27.649	E	10	G		0.4	6	TURKEY
	19	14	17	39.4%	11.157	N	61.545	W	33	N		1.1	5	WINDWARD ISLANDS. MD 2.9 (TRN).
	19	15	06	01.0&	60.120	N	152.032	W	90		3.8		90	SOUTHERN ALASKA. <AEIC>. Felt (III) at Homer and (II) at Soldotna.
	19	15	34	38.2&	36.068	N	117.868	W	3				4	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS).
	19	15	47	44.2	44.617	N	7.341	E	10	G		0.8	60	NORTHERN ITALY ML 3.4 (GEN), 3.2 (STR), 3.2 (LDG).
	19	16	13	11.1%	35.557	N	4.521	W	10	G		1.1	7	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	19	16	52	42.9	34.045	S	70.506	W	10	G		1.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	19	17	08	27.4*	18.209	N	101.395	W	97	*	3.6	1.2	11	GUERRERO, MEXICO
	19	17	19	16.4%	40.833	N	28.290	E	10	G		1.0	5	TURKEY
	19	17	25	28.4?	59.11	N	6.06	E	5	G		0.3	4	SOUTHERN NORWAY. MD 2.5 (BER).
	19	17	51	53.9%	40.508	N	16.227	E	10	G		0.5	7	SOUTHERN ITALY
	19	18	53	19.9	42.205	N	2.134	E	10	G	4.5	1.2	128	PYRENEES. ML 4.5 (LDG), 4.1 (STR). mbLg 4.3 (MDD). Felt (IV) at Gambreny, Spain. Also felt in France.
	19	19	16	39.0	43.023	N	45.754	E	33	N	4.4	1.2	64	EASTERN CAUCASUS
	19	19	44	43.9	4.741	S	151.935	E	162		5.2	1.1	36	NEW BRITAIN REGION, P.N.G.
	19	20	06	13.6	73.592	N	8.685	E	10	G	4.7 4.3	1.3	57	GREENLAND SEA
	19	21	26	38.6?	39.32	N	26.24	E	10	G		0.3	4	TURKEY
	19	21	43	19.1&	60.334	N	152.923	W	142				27	SOUTHERN ALASKA. <AEIC>.
	19	21	59	28.5&	61.588	N	151.546	W	84		3.0		79	SOUTHERN ALASKA. <AEIC>.
	19	22	54	06.5*	41.108	N	24.297	E	10	G		1.0	9	GREECE-BULGARIA BORDER REGION
	19	23	05	40.6&	33.263	N	118.343	W	6	G			18	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	19	23	14	21.2	17.146	N	120.782	E	13	D	4.9 4.8	1.3	105	LUZON, PHILIPPINE ISLANDS
	19	23	17	28.9%	11.257	N	61.725	W	10	G		0.7	8	WINDWARD ISLANDS. MD 3.5 (TRN).
	19	23	34	13.1	41.556	N	14.610	E	17			1.1	76	SOUTHERN ITALY. MD 3.7 (LJU), 3.5 (ROM). ML 3.5 (TTG), 3.4 (TIR).
	20	00	36	44.8?	33.60	S	72.83	W	10	G		1.6	14	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	20	01	16	37.9%	39.594	N	26.340	E	10	G		0.5	6	TURKEY
	20	01	18	14.9?	10.98	N	61.80	W	33	N		0.8	4	TRINIDAD. MD 2.9 (TRN).
	20	01	39	48.9	42.061	N	19.347	E	10	G		1.1	17	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG), 2.5 (TIR).
	20	01	47	56.0?	43.71	N	12.97	E	10	G		0.6	7	CENTRAL ITALY
	20	02	00	34.0?	7.68	S	128.31	E	170	?	4.4	1.9	5	BANDA SEA
	20	02	27	05.7	38.510	N	20.347	E	10	G	4.5	1.5	110	GREECE. ML 4.4 (ROM), 4.0 (TTG), 3.9 (TIR). MD 4.2 (ATH), 4.2 (THE).
	20	03	07	11.8%	40.439	N	16.132	E	10	G		1.0	11	SOUTHERN ITALY
a	20	05	37	23.9	36.662	N	24.520	E	14		4.9 5.0	1.2	311	SOUTHERN GREECE. ML 4.8 (ATH). MD 4.7 (HLW). mbLg 4.7 (MDD). Slight damage to houses in the eastern part of Milos. Landslides reported on Milos.
	20	05	46	16.0	36.617	N	24.536	E	10	G	4.4	1.3	60	SOUTHERN GREECE. MD 3.9 (ATH).
	20	06	04	12.1	36.541	N	24.657	E	10	G	4.2	1.0	53	SOUTHERN GREECE. MD 3.9 (ATH).
	20	07	03	01.1%	43.604	N	0.242	W	10	G		1.5	6	PYRENEES. ML 2.5 (LDG).
	20	07	16	06.9&	59.748	N	152.539	W	80		2.7		77	SOUTHERN ALASKA. <AEIC>.

	20	07	20	25.7	36.634	N	24.589	E	10	G	4.1		1.3	23	SOUTHERN GREECE. MD 3.9 (ATH).
	20	08	14	29.3*	3.022	N	123.021	E	528	*	5.2		0.6	19	CELEBES SEA
	20	08	16	46.6*	18.294	S	168.217	E	43	D	5.0		1.6	43	VANUATU ISLANDS
	20	08	19	09.8	32.293	S	69.515	W	146	*			0.4	18	MENDOZA PROVINCE, ARGENTINA. MD 3.6 (SAN).
	20	08	20	12.4*	22.427	S	175.691	W	33	N	4.6		0.6	18	TONGA ISLANDS REGION
	20	08	34	58.1?	36.65	N	24.42	E	10	G			1.2	4	SOUTHERN GREECE. MD 4.1 (ATH).
	20	08	39	40.5*	36.752	N	71.685	E	33	N	4.3		1.2	12	AFGHANISTAN-TAJIKISTAN BORD REG.
	20	08	41	00.6*	36.521	N	24.256	E	10	G			1.0	5	SOUTHERN GREECE. ML 3.1 (ATH).
	20	08	51	07.9&	34.789	N	121.123	W	6	G				4	OFF COAST OF CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	20	09	32	23.2%	42.765	N	19.174	E	13				0.1	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	20	09	39	24.1	36.604	N	24.578	E	10	G	4.8	4.4	1.2	258	SOUTHERN GREECE MD 4.7 (HLW), 4.5 (ATH). mbLg 4.6 (MDD).
	20	09	55	41.6*	10.401	N	60.588	W	33	N	3.5		0.9	9	TRINIDAD. MD 3.5 (TRN).
	20	10	15	24.2?	17.68	S	177.51	W	33	N	4.4		0.8	22	FIJI ISLANDS REGION
	20	10	41	28.6%	34.254	S	70.072	W	10	G			0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	20	11	07	15.9	17.644	N	61.049	W	33	N	3.8		0.8	13	LEEWARD ISLANDS. ML 4.2 (FDF). MD 3.7 (TRN).
	20	11	10	55.5?	39.50	N	29.77	E	10	G			0.5	4	TURKEY
	20	11	33	24.2*	31.307	S	68.581	W	104	?			1.0	8	SAN JUAN PROVINCE, ARGENTINA
	20	11	52	37.7%	42.726	N	12.719	E	10	G			0.5	8	CENTRAL ITALY
	20	12	28	01.7	38.298	N	20.357	E	10	G			1.1	16	GREECE. MD 3.5 (ATH).
	20	12	34	24.4%	42.751	N	19.075	E	10	G			0.1	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	20	12	39	35.0&	34.808	N	97.667	W	5	G				5	OKLAHOMA. <TUL>. MD 2.2 (TUL).
	20	13	20	11.1	6.009	S	146.158	E	123	D	5.1		1.0	88	EASTERN NEW GUINEA REG., P.N.G.
	20	13	21	24.5?	40.15	N	29.48	E	10	G			0.1	4	TURKEY
	20	13	35	08.0	20.598	N	74.827	W	18	*	4.2		1.2	33	CUBA REGION. Slight damage in the Moa area.
	20	13	50	15.8%	16.078	S	177.900	E	33	N			0.3	7	FIJI ISLANDS. ML 4.0 (SVA).
	20	13	54	23.9	44.966	N	9.946	E	10	G			1.0	25	NORTHERN ITALY. ML 2.9 (LDG).
	20	14	28	38.4	31.510	S	67.803	W	33	N			1.0	7	SAN JUAN PROVINCE, ARGENTINA
	20	14	29	31.4%	44.952	N	9.924	E	10	G			0.5	7	NORTHERN ITALY
	20	14	38	50.3?	3.52	S	139.20	E	112	?	4.5		0.9	9	IRIAN JAYA, INDONESIA
	20	14	44	11.0?	39.08	N	23.71	E	10	G			0.0	4	AEGEAN SEA
	20	15	23	30.3	17.693	N	61.015	W	33	N	3.8		0.7	14	LEEWARD ISLANDS. ML 3.9 (FDF). MD 3.7 (TRN).
	20	16	06	51.6	36 175	N	24.378	E	10	G			1.4	29	SOUTHERN GREECE
	20	16	09	07.4	28.510	S	67.368	W	107	?			0.8	15	LA RIOJA PROVINCE, ARGENTINA
	20	16	33	28.1&	38.975	N	122.607	W	1					7	NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM). Felt at Clear Lake.
o	20	17	16	24.3	13.719	N	90.851	W	61	D	5.1		1.4	177	NEAR COAST OF GUATEMALA. Felt at Chimaltenanga, Escuintla, Quezaltenanga, Suchitepequez and (III) at Guatemala City. Also felt in western El Salvador and (IV) at San Salvador.
a	20	18	45	09.6	56.427	S	27.121	W	105	D	5.8		1.2	171	SOUTH SANDWICH ISLANDS REGION
	20	19	36	13.9?	9.58	S	75.28	W	127	?	4.2		1.4	9	CENTRAL PERU
	20	19	44	09.3*	36.414	N	24.442	E	10	G			0.9	5	SOUTHERN GREECE. MD 3.5 (ATH).
	20	20	29	26.1%	36.816	N	139.510	E	10	G			1.2	9	EASTERN HONSHU, JAPAN
	20	20	31	56.9%	42.709	N	12.515	E	10	G			0.8	8	CENTRAL ITALY
	20	21	12	11.5&	60.060	N	152.717	W	102					48	SOUTHERN ALASKA. <AEIC>.
	20	22	09	37.3%	39.888	N	16.026	E	10	G			0.6	7	SOUTHERN ITALY
	20	22	12	13.7?	31.43	S	68.33	W	99	?			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	20	23	09	19.4*	23.208	S	68.700	W	109	*	4.1		1.4	15	NORTHERN CHILE
	20	23	11	41.8	44.340	N	6.801	E	10	G			0.3	10	FRANCE. ML 1.9 (LDG), 1.5 (STR).
	20	23	19	48.8*	42.149	S	120.138	E	33	N	4.9		0.9	20	SOUTH OF AUSTRALIA
	20	23	39	18.9?	22.91	S	179.95	W	589	?	4.5		0.9	23	SOUTH OF FIJI ISLANDS
	20	23	58	17.6*	52.896	S	160.526	E	33	N	4.6	5.0	1.6	21	MACQUARIE ISLANDS REGION
	21	00	04	42.2?	24.00	S	67.03	W	214	?			1.3	5	CHILE-ARGENTINA BORDER REGION
	21	01	24	23.0?	40.73	N	23.34	E	10	G			0.4	4	GREECE. MD 1.3 (THE).
	21	01	27	33.4	7.346	S	129.081	E	87		5.2		1.0	97	BANDA SEA
	21	01	33	33.4	44.988	N	9.947	E	16				1.0	17	NORTHERN ITALY. ML 2.6 (LDG).
	21	01	38	55.1	43.736	N	8.606	E	15				0.4	12	CORSICA. ML 2.2 (GEN), 1.8 (LDG).
	21	01	57	43.0	47.291	N	113.271	W	5	G	3.8		0.7	65	MONTANA. ML 4.1 (GS). MD 4.1 (BUT). Felt (IV) at Greenough and Ovando. Also felt at Great Falls, Helena and Helmville.
	21	02	26	13.7*	6.161	S	148.047	E	87	*	4.7		1.0	7	NEW BRITAIN REGION, P.N.G.
	21	02	27	09.5	39.568	N	22.091	E	10	G			0.4	12	GREECE. MD 2.6 (THE).
	21	02	28	16.6*	36.187	N	3.048	E	10	G			0.8	18	NORTHERN ALGERIA. mbLg 3.5 (MDD).
	21	02	35	53.2?	31.54	S	72.24	W	33	N			1.2	12	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	21	02	39	09.4?	37.56	S	179.25	E	33	N	3.7		0.9	6	OFF E. COAST OF N. ISLAND, N.Z. ML 3.9 (WEL).
	21	03	01	58.5%	40.607	N	23.436	E	10	G			0.4	5	GREECE
	21	03	06	00.8&	63.050	N	151.540	W	25					59	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC).
	21	03	11	57.5	23.947	N	121.676	E	25	D	4.7		1.3	42	TAIWAN. ML 4.5 (BJI). Felt (V JMA) at Hua-lien.
	21	04	18	14.6	11.530	N	71.838	W	91		4.5		1.0	57	NEAR COAST OF VENEZUELA
	21	04	37	09.8?	39.02	N	25.63	E	10	G			0.5	6	AEGEAN SEA
	21	05	13	31.8*	19.192	N	121.277	E	66	?	4.3		0.3	9	PHILIPPINE ISLANDS REGION
	21	06	18	51.6%	37.081	N	29.980	E	10	G			1.1	7	TURKEY
	21	06	25	22.5?	6.32	S	145.88	E	135	?	4.4		1.1	6	NEW GUINEA, PAPUA NEW GUINEA
	21	06	47	45.6%	40.180	N	28.081	E	15				0.2	9	TURKEY
	21	06	50	58.5&	62.717	N	151.213	W	84					47	CENTRAL ALASKA. <AEIC>.
	21	07	10	03.5*	39.734	S	179.233	W	10	G			0.6	27	EAST OF NORTH ISLAND, N.Z.
	21	08	30	27.4*	36.628	N	24.404	E	10	G			0.7	5	SOUTHERN GREECE. ML 3.1 (ATH).
	21	09	48	34.0*	16.290	S	176.334	W	330	G	4.2		1.0	24	FIJI ISLANDS REGION
	21	09	53	25.1%	40.671	N	22.982	E	5	G			0.6	6	GREECE
	21	10	02	30.2?	37.78	S	179.58	W	33	N	4.2		1.4	22	EAST OF NORTH ISLAND, N.Z. ML 3.8 (WEL).
	21	10	13	07.9?	37.20	S	179.02	W	33	N	2.6		0.4	6	EAST OF NORTH ISLAND, N.Z.
	21	10	18	54.9	35.310	N	2.448	W	10	G	3.2		1.2	25	STRAIT OF GIBRALTAR. mbLg 3.6 (MDD).
	21	10	36	38.6*	65.282	N	162.751	W	33	N			1.5	7	NORTHERN ALASKA. ML 3.0 (PMR).
	21	11	14	00.5&	60.111	N	153.287	W	134					62	SOUTHERN ALASKA. <AEIC>.
	21	11	47	44.1	38.975	N	26.055	E	10	G			0.6	29	AEGEAN SEA. MD 3.7 (THE).
	21	12	06	43.3?	30.91	S	179.31	W	300	G	4.9		1.4	10	KERMADEC ISLANDS REGION
	21	12	34	06.7	44.563	N	114.138	W	5	G			0.8	13	WESTERN IDAHO. ML 3.2 (GS), 3.5 (BUT).
	21	12	42	21.5*	6.315	S	148.517	E	77	*	4.9		1.0	12	NEW BRITAIN REGION, P.N.G.
	21	13	22	53.2%	41.205	N	29.022	E	5	G			0.4	8	TURKEY
	21	13	50	08.8?	19.25	S	173.26	W	33	N	4.7		0.8	9	TONGA ISLANDS
	21	13	50	26.0?	38.67	N	25.14	E	10	G			0.2	5	AEGEAN SEA
	21	14	02	05.7?	38.82	N	25.16	E	10	G			0.7	5	AEGEAN SEA

	21	14	22	14.0?	41.82	N	19.48	E	10	G		0.5	8	ALBANIA ML 1.7 (TTG).
	21	14	35	03.5?	41.79	N	12.76	E	10	G		0.1	4	SOUTHERN ITALY
	21	15	04	24.0?	40.62	N	30.24	E	10	G		0.1	4	TURKEY
	21	15	06	34.0	40.027	N	141.932	E	108		4 3	1.0	35	NEAR EAST COAST OF HONSHU, JAPAN
	21	15	39	49.4?	14.66	N	60.76	W	33	N		0.1	4	WINDWARD ISLANDS. ML 1.6 (FDF).
	21	15	41	57.0	38.971	N	26.055	E	10	G		0.8	33	AEGEAN SEA MD 4.1 (ATH), 3.5 (THE).
	21	16	03	02.1&	50.942	N	130.418	W	10	G	3.5		8	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.8 (PGC). First of two events obout two seconds apart (PGC).
	21	16	30	04.1?	40.77	N	30.31	E	10	G		0.4	5	TURKEY
	21	16	51	59.0%	31.508	S	68.443	W	107	?		0.2	6	SAN JUAN PROVINCE, ARGENTINA
	21	17	27	15.5	45.238	N	150.771	E	28	D	5.0 4.3	0.7	110	KURIL ISLANDS
	21	18	22	14.1*	40.564	N	30.157	E	5	G		0.9	6	TURKEY
	21	18	27	47.8?	40.71	N	30.30	E	5	G		0.3	4	TURKEY
	21	18	47	35.3%	43.595	N	11.985	E	5	G		1.0	8	CENTRAL ITALY
	21	19	09	47.5?	29.18	S	72.41	W	33	N		1.2	10	OFF COAST OF CENTRAL CHILE
	21	19	51	33.1?	47.18	N	1.94	W	10	G		0.9	5	FRANCE. ML 2.0 (LDG).
	21	20	12	18.0*	39.149	N	26.891	E	10	G		0.6	6	TURKEY
	21	20	23	28.7?	31.43	S	68.71	W	111	?		1.0	6	SAN JUAN PROVINCE, ARGENTINA
	21	20	32	50.2?	41.45	N	15.69	E	10	G		0.5	4	SOUTHERN ITALY
	21	20	41	12.2	52.880	N	171.275	E	33	N	4.8 4.4	1.0	89	NEAR ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (PMR).
a	21	20	45	56.7	52.902	N	171.402	E	33	N	5.4 4.8	0.9	285	NEAR ISLANDS, ALEUTIAN ISLANDS
	21	21	09	48.0?	30.46	S	68.97	W	10	G		0.8	5	SAN JUAN PROVINCE, ARGENTINA
	21	21	31	42.3*	2.286	N	30.742	W	10	G	4.9	0.9	17	CENTRAL MID-ATLANTIC RIDGE
	21	21	31	45.4%	62.007	N	5.855	E	10	G		0.1	5	SOUTHERN NORWAY. MD 2.0 (BER).
	21	21	38	56.0%	43.708	N	2.952	E	10	G		1.4	7	FRANCE. ML 2.3 (LDG).
	21	22	56	37.3%	39.854	N	22.700	E	10	G		0.2	9	GREECE. MD 2.2 (THE).
	21	23	04	56.3*	13.457	N	94.458	E	33	N	4.6	0.9	8	ANDAMAN ISLANDS, INDIA
	21	23	15	50.2	39.602	N	39.870	E	15	D	4.7 3.8	1.3	109	TURKEY. Felt in the Erzincan areo.
	21	23	29	30.4*	18.348	S	167.519	E	10	G	4.3	1.3	22	VANUATU ISLANDS
	21	23	56	30.5%	42.805	N	18.254	E	10	G		0.3	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
	21	23	59	52.5%	67.751	N	20.256	E	10	G		0.6	5	SWEDEN. MD 2.8 (BER).
	22	00	00	53.0	10.595	N	93.845	E	33	N	4.6 4.4	0.9	45	ANDAMAN ISLANDS, INDIA
	22	00	26	09.1?	10.51	N	93.75	E	33	N	4.5	0.7	10	ANDAMAN ISLANDS, INDIA
	22	00	30	59.4	40.844	N	27.605	E	12			0.7	8	TURKEY
	22	00	41	26.4?	18.13	N	67.02	W	10	G		0.5	5	MONA PASSAGE
	22	00	54	04.5	37.155	N	27.865	E	9			0.8	11	TURKEY. ML 3.9 (CSS).
	22	01	40	14.7	41.385	S	178.112	E	10	G	4.6	1.0	55	OFF E. COAST OF N. ISLAND, N.Z.
	22	01	47	55.0	10.553	N	93.904	E	33	N	4.9 4.7	1.2	61	ANDAMAN ISLANDS, INDIA
	22	02	04	35.6*	33.193	S	68.746	W	10	G		0.6	6	MENDOZA PROVINCE, ARGENTINA
	22	02	51	01.9	41.258	N	23.340	E	10	G		0.8	13	GREECE-BULGARIA BORDER REGION. MD 2.5 (THE).
	22	03	08	17.2*	24.147	S	67.029	W	200	*	3.7	0.8	6	CHILE-ARGENTINA BORDER REGION
	22	03	59	29.4?	44.45	N	142.04	E	258	*	3.6	0.2	6	HOKKAIDO, JAPAN REGION
	22	04	04	43.3	17.915	N	69.173	W	43		4.6	1.0	106	DOMINICAN REPUBLIC REGION. Felt at San Francisca de Macaris and slightly at Santa Domingo.
	22	04	06	08.3	31.631	S	67.154	W	124	?		0.5	14	SAN JUAN PROVINCE, ARGENTINA
	22	04	10	59.7%	59.708	N	5.076	E	10	G		0.8	6	SOUTHERN NORWAY. MD 2.2 (BER).
	22	04	13	54.0	45.805	N	7.534	E	5	G		0.6	14	NORTHERN ITALY. ML 2.5 (LDG), 2.5 (STR), 2.3 (GEN).
	22	06	02	24.5?	54.83	N	161.34	E	33	N	4.0	1.1	5	NEAR EAST COAST OF KAMCHATKA
	22	08	13	01.0?	6.07	S	147.18	E	124	*	3.9	1.4	6	EASTERN NEW GUINEA REG., P.N.G.
	22	08	23	50.2	45.608	N	151.469	E	34	D	5.0 4.5	1.0	95	KURIL ISLANDS
	22	09	26	22.1%	40.172	N	28.275	E	10	G		0.4	5	TURKEY
	22	09	26	33.2	41.180	N	20.131	E	5	G		1.1	20	ALBANIA. ML 2.7 (TIR), 2.6 (TTG).
	22	09	31	04.3*	21.386	S	68.490	W	137	*	3.9	1.6	7	CHILE-BOLIVIA BORDER REGION
	22	11	03	32.9&	60.146	N	152.854	W	110				49	SOUTHERN ALASKA. <AEIC>.
	22	11	14	38.2%	38.574	N	15.504	E	33	N		1.0	5	SICILY
	22	11	43	11.3*	32.344	N	139.605	E	147	*	4.8	0.9	32	SOUTH OF HONSHU, JAPAN
	22	11	43	32.3	40.196	N	28.280	E	14			0.7	22	TURKEY. Felt at Bursa.
	22	11	46	02.4?	40.16	N	28.22	E	10	G		1.1	4	TURKEY
	22	13	30	07.4*	13.472	N	88.404	W	210	?	4.4	1.0	30	EL SALVADOR
	22	13	31	39.7	44.587	N	114.140	W	5	G		0.7	61	WESTERN IDAHO. ML 3.8 (GS), 4.3 (BUT). Felt (IV) at Challis and (III) at Ellis. Also felt at May.
	22	13	51	02.1*	31.972	S	67.718	W	33	N		1.5	7	SAN JUAN PROVINCE, ARGENTINA
	22	14	09	24.7*	13.759	N	59.844	W	10	G		0.1	9	WINDWARD ISLANDS. MD 3.4 (TRN).
	22	14	28	24.0*	25.971	N	95.613	E	33	N	4.3	0.8	8	MYANMAR-INDIA BORDER REGION
	22	14	50	53.6%	42.905	N	17.846	E	5	G		0.5	9	ADRIATIC SEA. ML 2.2 (TTG).
	22	15	31	00.0*	36.121	S	177.924	E	223	*	3.4	0.5	15	OFF E. COAST OF N. ISLAND, N.Z.
	22	15	34	50.2	40.489	N	29.301	E	10	G		0.6	15	TURKEY
	22	15	38	27.2%	60.989	N	4.220	E	10	G		1.4	5	SOUTHERN NORWAY. MD 2.0 (BER).
	22	16	16	09.6	43.175	N	127.184	W	10	G	3.1	0.4	64	OFF COAST OF OREGON
	22	16	52	24.2	40.186	N	28 340	E	19	D	4.8 3.8	1.1	201	TURKEY. MD 4.8 (ATH), 4.7 (THE). Felt at Balikesir, Bursa and Istanbul.
	22	17	00	16.0	40.191	N	28.310	E	10	G		0.7	13	TURKEY
	22	17	02	29.6	40.194	N	28.293	E	10	G		0.5	16	TURKEY
	22	17	52	19.0?	40.23	N	28.68	E	10	G		0.8	5	TURKEY
	22	18	14	16.0	44.039	N	128.424	W	10	G	3.3	0.4	34	OFF COAST OF OREGON
	22	18	19	11.7	40.181	N	28.326	E	10	G		0.9	18	TURKEY
	22	18	24	58.7?	40.13	N	28.23	E	10	G		0.4	4	TURKEY
	22	18	55	58.1%	43.897	N	11.568	E	10	G		0.8	5	CENTRAL ITALY
	22	18	59	15.6*	22.063	S	68.610	W	138	*	4.1	1.3	10	NORTHERN CHILE
	22	18	59	29.9*	14.050	N	92.894	E	33	N	4.4	1.0	11	ANDAMAN ISLANDS, INDIA
	22	19	07	51.6*	16.719	N	94.079	W	148	*	4.1	1.3	14	OAXACA, MEXICO
a	22	19	25	08.1	42.669	S	18.507	W	10	G	5.6 5.3	1.0	152	SOUTHERN MID-ATLANTIC RIDGE
	22	19	47	11.7	40.118	N	29.275	E	10	G		0.4	15	TURKEY
	22	20	28	13.1?	41.61	N	14.29	E	10	G		0.9	4	SOUTHERN ITALY
	22	20	45	20.6	17.448	S	167.916	E	33	N	5.3 4.9	1.3	97	VANUATU ISLANDS
	22	21	38	24.0%	44.143	N	10.979	E	10	G		0.8	5	NORTHERN ITALY
	22	21	47	11.7?	31.23	S	68.46	W	100	G		0.4	4	SAN JUAN PROVINCE, ARGENTINA
	22	21	52	57.8	38.068	N	37.851	E	10	G	3.6	1.4	17	TURKEY
	22	22	07	31.7?	17.95	N	66.67	W	10	G		1.2	5	PUERTO RICO REGION
	22	22	14	33.2*	33.205	S	71.989	W	49	*	4.4	1.4	30	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN). Felt (III) at Valparaiso and San Antonio.
	22	22	41	13.1%	47.576	N	7.376	E	10	G		1.4	6	SWITZERLAND. ML 2.5 (LDG).
	22	23	38	43.3	45.028	N	6.757	E	5	G		0.4	9	FRANCE. ML 2.5 (LDG).

	22	23	45	27.0	33.220	S	72.202	W	34	*	4.9	1.0	43	OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN). Felt (IV) at Valparaiso and (III) at San Antonio.
	23	00	33	15.1*	33.316	S	72.464	W	48	?		0.9	17	OFF COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	23	00	48	53.8*	33.284	S	72.412	W	10	G		1.0	13	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	23	01	41	15.7%	40.131	N	21.241	E	5	G		0.6	8	GREECE. MD 3 1 (THE).
	23	02	01	00.9	40.182	N	28.281	E	5	G		0.7	20	TURKEY
	23	02	03	46.2*	23.599	N	123.760	E	33	N	4.3	1.1	14	SOUTHWESTERN RYUKYU ISLANDS
	23	02	04	14.2*	21.531	S	170.137	E	74	D	4.8	1.3	34	LOYALTY ISLANDS REGION
	23	02	33	14.9*	17.686	S	116.031	W	10	G	5.0 5.1	0.9	47	SOUTHERN EAST PACIFIC RISE
	23	03	21	58.2?	67.47	N	22.32	E	10	G		0.5	4	SWEDEN. MD 2.6 (BER).
	23	03	26	19.0?	38.27	N	14.84	E	50	G		1.1	4	SICILY
	23	03	38	15.6	17.208	N	61.895	W	59	*		0.3	11	LEEWARD ISLANDS. MD 2.4 (TRN).
	23	05	04	09.8	36.637	N	24.572	E	26		4.2	1.1	57	SOUTHERN GREECE. MD 4.1 (ATH).
	23	06	07	10.9%	40.543	N	23.542	E	5	G		0.4	5	GREECE. MD 2.0 (THE).
	23	06	50	02.0	36.618	N	24.604	E	14		4 4 3.8	1.2	99	SOUTHERN GREECE. MD 4.1 (ATH). 4.0 (THE).
	23	07	12	35.9*	30.341	S	179.288	W	307	*	4.7	1.3	51	KERMADEC ISLANDS REGION
	23	08	16	28.4*	43.206	N	17.044	E	10	G		1.2	10	NORTHWESTERN BALKAN REGION. ML 2.5 (TTG). Felt at Makarska, Croatia.
	23	08	21	44.2?	26.78	N	97 40	E	33	N	4.9	0.9	7	MYANMAR
	23	10	01	50.1&	43.497	N	71.649	W	5	G			8	VERMONT-NEW HAMPSHIRE REGION. <WES-P>. MD 2.8 (WES). Felt at Franklin, New Hampshire.
	23	10	14	41.9	33.236	S	72.212	W	42	*	4.2	0.8	26	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN). Felt (II) at Valparaiso.
	23	10	41	21.0	7.303	N	81.120	W	17	D	4.4 3.6	0.7	39	PANAMA. MD 4.6 (UPA). Felt (IV) on Caiba and at Montija; (III) at Santiaga and Tonosi.
	23	11	11	20.5	40.742	N	27.550	E	10	G		0.6	12	TURKEY
	23	11	36	53.5%	10.468	N	61.706	W	10	G		0.6	6	TRINIDAD. MD 3.1 (TRN).
	23	12	13	07.6?	39.42	N	24.25	E	5	G		0.9	4	AEGEAN SEA
	23	12	59	25.4%	43.215	N	10.815	E	10	G		0.2	7	CENTRAL ITALY
	23	13	56	28.2*	32.559	S	70.130	W	133	?		0.7	13	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	23	14	00	13.3?	32.00	S	69.18	W	110	G		0.2	4	SAN JUAN PROVINCE, ARGENTINA
	23	14	05	09.6*	55.949	S	27.615	W	80	G	5.3	1.1	16	SOUTH SANDWICH ISLANDS REGION
	23	15	02	00.5	28.504	S	175.839	W	33	N	4.9 4.2	1.2	37	KERMADEC ISLANDS REGION
	23	15	06	47.3	42.259	S	173.476	E	89			0.6	35	SOUTH ISLAND, NEW ZEALAND
	23	15	25	31.4?	44.39	N	7.39	E	5	G		0.4	4	NORTHERN ITALY. ML 1.7 (GEN).
	23	15	52	43.1?	48.29	N	103.41	E	33	N	3.3	0.8	10	MONGOLIA
	23	15	52	48.3?	25.40	N	123.05	E	207	*	3.8	0.1	8	NORTHEAST OF TAIWAN
	23	15	57	49.7%	40.732	N	27.483	E	10	G		0.3	6	TURKEY
	23	15	58	55.8%	40.680	N	23.124	E	10	G		0.5	5	GREECE. MD 1.2 (THE).
	23	16	30	19.8	40.200	N	20.358	E	5	G		0.8	11	GREECE-ALBANIA BORDER REGION. ML 3.2 (TIR).
	23	17	54	18.7?	34.01	S	71 82	W	33	N		0.5	7	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	23	19	59	09.1*	23.289	S	68.133	W	143	*		0.7	6	NORTHERN CHILE
	23	20	11	50.6?	41.45	N	22.62	E	10	G		0.4	5	NORTHWESTERN BALKAN REGION. ML 1.3 (SKO).
	23	20	22	30.3	44.506	N	114.096	W	5	G		0.4	12	WESTERN IDAHO. ML 3.3 (GS), 3.2 (BUT).
	23	20	29	45.4?	50.90	N	1.30	E	10	G		0.5	9	FRANCE. ML 2.7 (LDG).
	23	22	04	04.1%	41.700	N	19.500	E	5	G		1.5	5	ALBANIA. ML 2.3 (TIR).
	23	22	04	37.2	41.824	N	19.365	E	10	G		0.7	12	ALBANIA. ML 2.2 (TTG).
	23	23	00	44.1?	32.67	S	179.78	W	500	?		1.3	26	SOUTH OF KERMADEC ISLANDS
	23	23	05	27.5	40.763	N	27.508	E	5	G		0.7	21	TURKEY
	23	23	48	59.0?	33.40	S	70.24	W	110	G		0.2	6	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
	24	01	32	22.1?	32.B0	S	179.68	W	401	*	4.6	1.2	42	SOUTH OF KERMADEC ISLANDS
	24	01	34	24.6?	16.09	N	99.21	W	33	N	4.3	1.6	9	NEAR COAST OF GUERRERO, MEXICO
	24	02	02	22.0?	22.94	N	94.04	E	129	?	4.7	1.1	13	MYANMAR
	24	02	59	44.2?	70.66	N	16.54	E	10	G		0.8	4	NORWEGIAN SEA. MD 1.9 (BER).
	24	04	51	19.0&	33.913	N	118.575	W	12				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
	24	05	02	58.6*	23.522	N	120.841	E	5	G	4.1	1.2	13	TAIWAN. ML 4.3 (BJI).
	24	05	50	00.0*	9.563	N	126.232	E	60	G	4.5	1.5	16	MINDANAO, PHILIPPINE ISLANDS
	24	06	00	10.0%	40.708	N	29.110	E	10	G		0.3	5	TURKEY
	24	06	35	57.4	41.428	N	20.758	E	5	G		0.8	10	ALBANIA. ML 2.3 (SKO), 2.1 (TIR). MD 2.5 (THE).
	24	07	18	37.0*	22.844	S	66.333	W	268	*		1.1	10	JUJUY PROVINCE, ARGENTINA
	24	08	18	06.6?	70.47	N	16.30	E	10	G		1.3	5	NORWEGIAN SEA. MD 2.6 (BER).
	24	10	40	58.4?	28.85	N	16.87	W	10	G		0.8	4	CANARY ISLANDS REGION. MD 3.4 (MDD).
	24	10	45	23.5	32.953	N	0.170	W	10	G	3.7	1.2	15	NORTHERN ALGERIA. mbLg 3.9 (MDD).
	24	10	53	01.8*	51.196	N	15.742	E	10	G		1.5	9	POLAND. ML 3.4 (VIE).
	24	11	10	26.2	6.320	S	150.602	E	26	*	4.2 4.0	0.9	11	NEW BRITAIN REGION, P.N.G.
	24	11	14	48.1?	41.89	N	22.76	E	5	G		0.6	8	NORTHWESTERN BALKAN REGION. MD 2.6 (THE). ML 2.3 (SKO).
	24	11	38	53.9	39.459	N	119.900	W	5	G		1.0	23	NEVADA. ML 3.4 (GS), 3.5 (BRK). MD 3.4 (REN). Felt (IV) at Verdi and (III) at Carson City, Crystal Bay and Incline Village. Also felt at Reno and Washoe Valley. Felt (II) at Kings Beach, Califarnia.
	24	12	25	12.0?	31.18	N	141.39	E	33	N	4.2	1.3	8	SOUTH OF HONSHU, JAPAN
	24	12	25	47.9	35.707	N	27.486	E	88	?		1.1	15	DODECANESE ISLANDS. MD 4.3 (ATH).
	24	14	11	51.6%	43.577	N	19.330	E	5	G		1.0	10	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG).
	24	14	27	06.3&	38.853	N	122.797	W	3				35	NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK). Felt (IV) at Cobb and Middletown. Felt (III) at Kelseyville, Lower Lake, Oakville and St. Helena. Also felt at The Geysers.
	24	14	28	28.9&	38.810	N	122.825	W	7				9	NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK). Felt at The Geysers.
	24	15	11	22.1	42.060	S	173.114	E	10	G		1.0	19	SOUTH ISLAND, NEW ZEALAND
	24	15	49	46.0?	40.73	N	23.76	E	10	G		1.0	4	GREECE
	24	16	00	16.6*	40.822	N	29.649	E	10	G		0.3	5	TURKEY
	24	16	13	44.0*	6.170	S	147.696	E	70	*	4.4	1.3	15	EASTERN NEW GUINEA REG., P.N.G.
a	24	17	19	30.4	7.751	S	117.464	E	280	D	5.5	1.0	231	BALI SEA. Felt (II) at Kahang-Kahang, Indonesia.
	24	17	35	09.6	11.207	S	118.309	E	23	D	5.1 5.1	1.2	58	SOUTH OF SUMBAWA, INDONESIA. Felt (II) at Kahang-Kahang.
	24	18	01	54.3%	42.551	N	19.046	E	10	G		0.3	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
a	24	18	20	12.8*	55.506	S	124.357	W	10	G	5.1 5 5	1.3	26	SOUTHERN EAST PACIFIC RISE. Mo=3.2*10**18 Nm (PPT).
	24	18	52	04.3?	11.93	N	92.69	E	33	N		1.3	8	ANDAMAN ISLANDS, INDIA
	24	19	13	08.9?	40.61	N	30.43	E	10	G		0.5	5	TURKEY
	24	19	32	10.3	31.545	N	81.540	E	16	D	4.8 4.4	1.2	49	XIJANG
	24	19	55	56.5*	46.363	N	10.358	E	10	G		0.3	5	NORTHERN ITALY. ML 2.2 (VIE).
	24	20	00	30.1	40.590	N	30.378	E	10	G		0.6	14	TURKEY. Felt at Sakarya.

	24	20 46 11.0?	46.47	N	148.41	E	33	N	4.3		1.3	6	NORTHWEST OF KURIL ISLANDS
	24	21 01 47.5	33.832	N	72.905	E	14	D	5.0	4.2	1.1	134	PAKISTAN
	24	21 06 08.0	37.632	S	176.628	E	238	*			0.6	34	NORTH ISLAND, NEW ZEALAND
	24	21 15 36.8*	40.718	N	30.775	E	10	G			0.9	9	TURKEY
	24	22 29 50.0%	39.522	N	26.952	E	10	G			0.4	5	TURKEY
a	24	22 47 06.6	3.613	N	127.008	E	53	D	5.6		1.1	149	TALAUD ISLANDS, INDONESIA. Mo=1.0*10**18 Nm (PPT).
	24	23 19 42.0%	42.445	N	18.535	E	10	G			0.3	8	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	24	23 35 37.5	39 165	N	26.504	E	10	G			0.9	10	TURKEY
	24	23 41 08.9	0.443	S	126.042	E	60	*	5.1	4.3	0.9	30	SOUTHERN MOLUCCA SEA
	24	23 48 22.4&	44.118	N	122.833	W	4					57	OREGON. <SEA>. MD 2.9 (SEA). Felt.
	25	00 53 47.9?	19.52	N	68.09	W	33	N	3.5		0.3	7	NORTH ATLANTIC OCEAN
	25	00 55 22.0	31.811	S	69.492	W	141	*			0.7	17	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
	25	01 21 25.7*	38.535	N	25.040	E	33	N			1 3	9	AEGEAN SEA. ML 3.0 (ATH).
	25	02 16 25.0?	45.51	N	147.12	E	33	N	4.4		0.8	7	KURIL ISLANDS
	25	02 40 06.1	47.498	N	7.641	E	10	G			0.4	9	SWITZERLAND. ML 2.3 (LDG), 2.1 (STR).
	25	03 07 52.2*	21.489	S	66.736	W	232	*	4.2		1.7	14	SOUTHERN BOLIVIA
	25	03 47 05.1?	37.06	S	176.88	E	251	?			0 6	17	NORTH ISLAND, NEW ZEALAND
	25	03 58 26.2	39.749	N	39.622	E	10	G	3.5		0.8	12	TURKEY
	25	05 24 15.6*	38.170	N	21.168	E	5	G			1.2	11	GREECE. MD 3.3 (ATH), 3.0 (THE).
	25	05 33 17.9	47.574	N	7.665	E	10	G			0.9	24	SWITZERLAND. ML 3.2 (LDG), 2.6 (STR).
	25	05 48 31.0?	32.40	N	5.50	W	10	G			0.9	4	MOROCCO. MD 3.4 (RBA).
	25	06 04 56.0%	15.722	N	60.383	W	18	*			0.2	8	LEEWARD ISLANDS. ML 3.0 (FDF).
	25	06 52 38.4?	33.23	S	71.86	W	33	N			1.3	12	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	25	07 20 00.2?	15.56	N	98.16	W	33	N			1.0	5	OFF COAST OF GUERRERO, MEXICO
	25	07 44 14.0*	34.477	S	70.580	W	117	?			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	25	07 59 56.9?	51.17	N	15.84	E	10	G			1.1	4	POLAND
	25	08 14 48.9	32.794	S	70.853	W	77	*			1.0	15	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN). Felt (III) at Quillota, San Felipe, Panquehue and Calle Larga, Chile. Felt at Catamarca, Argentina.
	25	08 45 16.7%	41.388	N	29.294	E	10	G			0.3	5	TURKEY
	25	09 35 30.2*	37.509	N	20.025	E	10	G	3.0		1.1	20	IONIAN SEA. MD 3.3 (THE).
	25	10 00 06.7*	64.621	N	30.576	E	10	G			0.4	7	FINLAND-RUSSIA BORDER REGION. MD 3.9 (BER).
	25	11 06 21.0	43.187	N	0.694	W	10	G			0.5	6	PYRENEES. ML 1.0 (STR).
	25	11 11 32.8	17.003	N	62.377	W	17	*			0.4	11	LEEWARD ISLANDS. ML 3.1 (FDF). MD 3.0 (TRN).
	25	11 27 49.8	34.045	S	70.407	W	10	G			0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	25	12 59 59.5*	17.636	N	61.091	W	33	N			0.6	11	LEEWARD ISLANDS. MD 3.3 (TRN). ML 3.5 (FDF).
	25	13 27 25.9?	37.60	N	1.50	W	10	G			0.4	4	SPAIN. mbLg 2.5 (MDD).
	25	13 38 12.9?	42.54	N	23.79	E	5	G			0.3	6	BULGARIA. MD 2.8 (THE).
	25	14 09 24.3	40.123	N	27.215	E	10	G			0.6	10	TURKEY
	25	15 06 02.4*	41.607	N	22.903	E	5	G			0.6	8	NORTHWESTERN BALKAN REGION. MD 2.7 (THE).
	25	15 14 58.0&	66.242	N	146.807	W	1					58	NORTHERN ALASKA <AEIC>. ML 3.9 (AEIC), 4.1 (PMR).
	25	15 35 54.0&	32.369	N	115.227	W	6	G				3	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS).
	25	15 37 31.6%	44.389	N	7.398	E	10	G			0.2	8	NORTHERN ITALY. ML 2.0 (GEN).
	25	15 50 20.5%	42.920	N	12.683	E	10	G			1.3	8	CENTRAL ITALY
	25	16 11 25.5&	43.285	N	127.714	W	10	G	2.5			44	OFF COAST OF OREGON. <SEA>.
	25	16 12 19.7	43.362	N	127.503	W	10	G	2.8		0.4	42	OFF COAST OF OREGON
	25	16 48 53.8	59.740	N	8.967	E	10	G			1.2	8	SOUTHERN NORWAY
	25	16 49 21.8?	35.23	S	178.64	E	10	G	3.8		1.3	12	OFF E. COAST OF N. ISLAND, N.Z.
	25	17 01 26.4%	42.887	N	12.882	E	10	G			0.5	9	CENTRAL ITALY
a	25	17 15 37.6	24.455	N	123.318	E	78		5.4		1.0	218	SOUTHWESTERN RYUKYU ISLANDS
a	25	17 27 36.8	37.703	S	176.973	E	33		5.5	5.3	1.5	85	NORTH ISLAND, NEW ZEALAND. Felt from Whangamata to Cape Runaway.
	25	17 36 45.9?	10.38	N	60.36	W	70	G			1.2	6	TRINIDAD MD 3.7 (TRN).
	25	17 52 32.2%	37.286	S	177.143	E	10	G			0.9	8	OFF E COAST OF N. ISLAND, N.Z. ML 3.8 (WEL).
	25	18 50 03.8?	43.39	N	3.46	E	5	G			0.9	6	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG).
	25	18 53 42.6?	35.39	S	178.43	E	10	G	3.9	3.9	1.7	11	OFF E COAST OF N. ISLAND, N.Z. ML 4.4 (WEL).
	25	19 22 43.2?	10.60	N	60.90	W	33	N			1.7	5	TRINIDAD MD 3 0 (TRN).
	25	19 47 28.9	40.769	N	29.186	E	10	G			0.5	9	TURKEY
	25	19 57 42.0*	40.805	N	29.192	E	13	*			0.2	6	TURKEY
	25	21 33 18.4*	2 288	N	128.048	E	33	N	5.1		0.7	8	HALMAHERA, INDONESIA
a	25	21 41 24.7	54.699	N	159.435	E	136	D	5.1		0.8	281	NEAR EAST COAST OF KAMCHATKA. mb 5.0 (BRK).
	25	21 47 49.0&	35.793	N	118.041	W	8					4	CENTRAL CALIFORNIA. <PAS-P>. ML 2.5 (PAS).
	25	21 54 47.1	37.280	S	177.082	E	10	G			0.6	12	OFF E. COAST OF N. ISLAND, N.Z. ML 3.9 (WEL).
a	25	22 32 34.8	24.874	N	95.231	E	106	D	5.3		1.0	228	MYANMAR. Felt at Silchar and Gauhati, India.
	25	22 39 22.0*	37.054	N	29.436	E	10	G			1.4	5	TURKEY
	25	22 41 53.8&	67.432	N	147.475	W	10	G				10	NORTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	25	22 57 44.1&	40.188	N	124.227	W	14					7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	25	23 44 33.3	39.143	N	20.509	E	5	G			0.6	21	GREECE-ALBANIA BORDER REGION. MD 2.8 (THE).
	26	00 09 51.8*	33.390	S	72.040	W	10	G			0.7	13	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	26	00 49 19.9	37.279	S	177.057	E	10	G			0.8	9	OFF E. COAST OF N ISLAND, N.Z. ML 3.9 (WEL).
	26	00 51 30.2%	16.898	N	61.634	W	33	N			0.2	5	LEEWARD ISLANDS. ML 2.2 (FDF).
	26	00 57 53.4?	48.01	N	2.08	W	10	G			0.8	5	FRANCE. ML 2.5 (LDG).
	26	01 10 55.2	48.205	N	9.032	E	10	G			0.8	9	GERMANY. ML 2.7 (LDG).
	26	02 32 49.3?	42.21	N	43.55	E	33	N	3.6		1.1	5	NORTHWESTERN CAUCASUS
	26	02 51 18.1*	37.287	S	177.082	E	33	N			1.1	8	OFF E. COAST OF N. ISLAND, N.Z. ML 4.0 (WEL).
	26	02 52 53.4%	37 283	S	177.088	E	10	G			0.8	9	OFF E. COAST OF N. ISLAND, N.Z. ML 3.9 (WEL).
	26	04 01 28.2?	40 18	N	24.28	E	10	G			0.9	6	AEGEAN SEA. MD 2.4 (THE).
	26	04 04 37.4?	18.38	N	65.67	W	33	N			0.1	5	PUERTO RICO REGION
	26	04 23 54.7	40.676	N	22.384	E	5	G			0.6	10	GREECE. MD 1.6 (THE).
	26	05 29 30.4	40.692	N	22.449	E	5	G			0.7	11	GREECE. MD 2.3 (THE).
	26	05 59 36.5	44.137	N	10.448	E	10	G			0.7	17	NORTHERN ITALY. ML 2.9 (LDG). MD 2.8 (FIR).
	26	06 14 09.2?	3.27	N	75.12	W	114	?			1.3	6	COLOMBIA
	26	06 18 22.6	40.665	N	22.402	E	5	G			0.5	11	GREECE. MD 2.2 (THE).
	26	06 33 13.3	37.272	S	177.087	E	18	*			0.9	11	OFF E. COAST OF N. ISLAND, N.Z. ML 4.1 (WEL).
	26	06 38 53.6%	39.241	N	29.191	E	10	G			0.5	5	TURKEY
	26	07 16 57.2%	37.274	S	177.095	E	10	G			0.6	10	OFF E. COAST OF N. ISLAND, N.Z. ML 3.8 (WEL).
	26	07 22 44.2	41.556	N	32.439	E	25				0.9	17	TURKEY. Felt at Karabuk.
	26	07 33 33.9*	46.446	N	12.095	E	10	G			0.3	5	NORTHERN ITALY. ML 2.0 (VIE).
	26	08 40 44.8*	24.012	N	93.565	E	33	N			0.5	7	MYANMAR-INDIA BORDER REGION
	26	09 02 50.8*	2.044	N	124.993	E	33	N	4.8		0.9	12	CELEBES SEA
	26	10 05 04.2&	59.999	N	151.619	W	50					41	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	26	10 23 31.1&	40.309	N	124.689	W	5	G				5	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM).

	26	11 05 41.6	37.288	S	177.088	E	10	G			0.7	12	OFF E COAST OF N. ISLAND, N.Z. ML 3.8 (WEL).
	26	11 31 55.2*	23.589	N	123.689	E	10	G	4.2	4.2	1.2	18	SOUTHWESTERN RYUKYU ISLANDS
	26	11 43 26.3	38.038	N	23.999	E	10	G			0.7	17	GREECE MD 3.6 (ATH).
	26	11 48 13.6*	46.948	N	7.015	E	10	G			0.8	6	SWITZERLAND ML 2.5 (LDG).
	26	11 56 36.9?	8.59	N	70.31	W	33	N	3.2		0.8	6	VENEZUELA
	26	12 36 49.5	40 637	N	29.159	E	25	*			1.1	10	TURKEY
	26	12 49 50.3	37.286	S	177.074	E	10	G			0.9	11	OFF E COAST OF N. ISLAND, N.Z. ML 4.0 (WEL).
	26	13 01 55.1	37.267	S	177.107	E	10	G			0 7	12	OFF E COAST OF N ISLAND, N.Z. ML 3.9 (WEL).
	26	13 02 25.1%	37.248	S	177.302	E	10	G			1.4	5	OFF E COAST OF N. ISLAND, N.Z. ML 3.8 (WEL).
	26	13 25 37.6	37 316	S	177.074	E	10	G			0.6	19	OFF E COAST OF N. ISLAND, N.Z. ML 4.2 (WEL).
a	26	13 27 39.5	7 099	S	124.195	E	611		5.0		1.0	121	BANDA SEA
	26	13 30 07.5*	36.987	S	177.025	E	10	G	4.4		0.9	9	OFF E COAST OF N. ISLAND, N.Z. ML 3.9 (WEL).
	26	13 32 25.3%	10.926	N	62.080	W	48	?			0.3	10	NEAR COAST OF VENEZUELA. MD 3.4 (TRN).
	26	13 43 01.4*	46 449	N	12.119	E	10	G			0.1	5	NORTHERN ITALY. ML 2.1 (VIE).
	26	13 57 16.5?	5.07	N	125.91	E	77	?	4.3		0.4	10	MINDANAO, PHILIPPINE ISLANDS
	26	14 06 55.1%	60.555	N	4.836	E	10	G			0.1	5	SOUTHERN NORWAY. MD 1.6 (BER).
	26	14 08 38.2*	18.530	N	146.140	E	57	*	4.6		0.9	19	MARIANA ISLANDS
a	26	14 14 11.9	51.222	N	179.723	W	33	N	5.9	5.6	1.1	400	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.8 (PMR). Mo=1.6*10**18 Nm (PPT). Felt (III) on Adok and Amchitka.
	26	14 21 39.3?	45.19	N	7.06	E	5	G			0.2	4	NORTHERN ITALY. ML 1.2 (GEN).
	26	14 37 14.1?	58.13	N	6.37	E	10	G			0.6	7	SOUTHERN NORWAY. MD 2.4 (BER).
	26	15 05 46.6?	23.09	S	178.17	W	438	?	5.2		0.8	22	SOUTH OF FIJI ISLANDS
	26	15 33 07.8%	60.657	N	5.530	E	10	G			1.7	7	SOUTHERN NORWAY. MD 1.7 (BER).
	26	15 45 01.5*	32.740	S	71.672	W	33	N			1.0	11	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	26	15 48 47.5%	39.171	N	29.420	E	10	G			0.5	5	TURKEY
	26	16 16 19.0	37.342	N	30.989	E	19	D	4.5	4.0	1.0	88	TURKEY. ML 4.8 (CSS). MD 4.3 (HLW).
	26	16 30 00.0&	37.272	N	116.360	W	0		5.5	4.2		340	SOUTHERN NEVADA. <DOE>. ML 5.4 (BRK). 37° 16' 20.82" N., 116° 21' 35.19" W., Surface Elev. 2040 m., Depth of Burial 622 m., Shot Time 163000.000, "JUNCTION," Nevada Test Site (Dept. of Energy). Felt at Las Vegas.
	26	16 33 43.7?	51.04	N	179.59	W	33	N	4.8		1.4	19	ANDREANOF ISLANDS, ALEUTIAN IS.
	26	16 58 49.2?	17.72	N	94.89	W	33	N			0.2	6	CHIAPAS, MEXICO
	26	17 02 13.4	44.598	N	7.292	E	10	G			0.4	17	NORTHERN ITALY. ML 2.2 (LDG).
	26	17 15 29.3	37.829	N	143.210	E	22	D	4.7	4.3	1.2	43	OFF EAST COAST OF HONSHU, JAPAN
	26	17 33 35.2%	44.284	N	6.727	E	13	*			0.3	7	FRANCE
	26	18 08 14.3	0.916	N	84.865	W	33	N	4.5		0.8	24	OFF COAST OF ECUADOR
	26	18 35 49.0%	39.351	N	27.835	E	5	G			0.4	6	TURKEY
	26	19 39 44.2?	14.83	N	60.81	W	33	N			0.2	4	WINDWARD ISLANDS. ML 2.3 (FDF).
	26	20 13 23.2?	36.17	S	177.78	E	308	?			0.5	17	OFF E. COAST OF N. ISLAND, N.Z.
	26	20 27 19.9*	32.213	S	71.717	W	33	N			1.0	15	NEAR COAST OF CENTRAL CHILE
	26	22 40 46.3*	13.053	N	89.435	W	66	*	4.6		1.1	21	EL SALVADOR
	26	22 43 04.8	42.316	N	19.518	E	10	G			0.9	12	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG), 2.4 (TIR).
	26	23 15 48.3%	37.260	S	177.192	E	10	G			0.9	9	OFF E COAST OF N. ISLAND, N.Z. ML 4.1 (WEL).
	26	23 19 23.9&	36.769	N	121.283	W	8					14	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
	26	23 28 23.8%	37.231	S	177.206	E	10	G			0.8	8	OFF E COAST OF N. ISLAND, N.Z. ML 3.9 (WEL).
	26	23 54 16.3	33.491	S	70.060	W	10	G			0.9	10	CHILE-ARGENTINA BORDER REGION
a	27	00 05 20.1	20 927	N	94.586	E	97	D	5.4		1.0	283	MYANMAR
	27	01 30 58.4&	36.181	N	117.880	W	7					4	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.5 (PAS).
	27	01 53 09.1	40.248	N	29.194	E	5	G			0.5	11	TURKEY
	27	02 09 28.5	36.009	N	28.303	E	101	?			1.1	18	DODECANESE ISLANDS. MD 3.8 (ATH), 4.1 (HLW).
	27	02 37 55.2*	47.634	N	7.598	E	10	G			0.9	5	SWITZERLAND. ML 2.3 (LDG).
	27	02 41 05.4	37.290	S	177.159	E	10	G	4.0		0.8	13	OFF E. COAST OF N. ISLAND, N.Z. ML 4.1 (WEL).
	27	02 45 38.4*	15.972	N	98.679	W	23	*	3.6		0.7	11	OFF COAST OF GUERRERO, MEXICO
	27	03 18 41.6	16.232	N	98.625	W	22	*	4 0		1.2	19	NEAR COAST OF GUERRERO, MEXICO
	27	03 34 07.7?	5.95	S	146.74	E	177	?	4.4		1.1	6	EASTERN NEW GUINEA REG., P.N.G.
	27	03 57 02.7	37.337	S	177.090	E	11		3.8		0.9	24	OFF E. COAST OF N. ISLAND, N.Z. ML 4.3 (WEL).
	27	04 25 31.7*	61.778	N	3.119	E	10	G			0.5	9	NORWEGIAN SEA MD 2.5 (BER).
	27	04 33 55.2?	37.55	S	179.06	E	191	?			0 8	29	OFF E. COAST OF N. ISLAND, N.Z.
	27	04 34 49.0?	37.46	N	71.92	E	33	N	4.2		0.4	6	AFGHANISTAN-TAJIKISTAN BORD REG.
	27	06 18 18.1?	44.60	N	7.26	E	5	G			0.2	4	NORTHERN ITALY. ML 1.1 (GEN).
	27	06 48 21.8&	58.605	N	151.860	W	38		2.7			45	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
	27	06 49 50.7	31.320	S	68.656	W	112	*			0.9	18	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
	27	07 07 21.3&	61.304	N	152.256	W	6		2.5			53	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC)>
	27	07 53 42.4*	20 462	N	93.916	E	50	*	4.1		0.9	14	MYANMAR
	27	08 47 21.2%	43.282	N	12.593	E	10	G			1.2	5	CENTRAL ITALY
	27	08 57 27.4&	62.247	N	151.038	W	93		4.3			109	CENTRAL ALASKA. <AEIC>. Felt (III) at Skwentna and Talkeetna. Felt (II) at Wasilla. Also felt at Ancharage and in the Matanuska-Susitno Valley.
	27	09 06 06.1%	42.015	N	19.247	E	10	G			0.1	7	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	27	09 50 40.1?	44.18	N	9.89	E	10	G			0.5	4	NORTHERN ITALY
	27	10 28 56.5&	33.812	N	117.032	W	14					19	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	27	10 39 30.6	35.997	N	72.548	E	35	D	4.9	4.5	1.2	47	PAKISTAN
	27	10 48 00.9	38.614	S	175.723	E	190	*			0.4	20	NORTH ISLAND, NEW ZEALAND
	27	10 49 59.2&	36.187	N	117.876	W	6	G				3	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS).
	27	11 18 06.8	28.184	N	55.534	E	37	D	4.8		0.8	74	SOUTHERN IRAN
	27	11 27 15.7?	35.63	N	26.65	E	10	G			0.4	5	CRETE ML 3.8 (CSS).
	27	11 50 25.7	35.770	N	72.963	E	33	N	3.7		0.9	10	PAKISTAN
	27	12 25 46.5*	51.519	N	16.226	E	10	G	3.4		0.5	9	POLAND. ML 3.5 (VIE), 3.4 (GRF).
	27	12 48 00.1?	29.94	S	72.24	W	33	N			0.6	11	OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	27	13 15 16.8&	57.739	N	154.001	W	5					39	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
a	27	13 23 04.1	52.875	N	173.988	W	182	D	5.3		1.0	249	ANDREANOF ISLANDS, ALEUTIAN IS. mb 5.1 (BRK). Felt (II) on Adak.
	27	14 11 25.9	31.385	S	69.863	W	154	*			0.9	17	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
	27	14 19 17.2%	37.063	N	2.665	W	10	G			0.8	13	SPAIN. mbLg 3.2 (MDD).
	27	16 32 49.0&	19.370	N	155.480	W	11		3.4			57	HAWAII. <HVO-P>. MD 4.1 (HVO). Felt (III) at Volcano. Also felt at Hilo, Hawaiian Volcano Observatory, Mountain View, Pahala and Wainaku.
	27	17 11 38.9%	29.747	S	68.472	W	100	G			0.8	6	SAN JUAN PROVINCE, ARGENTINA
	27	18 00 26.3&	59.230	N	153.062	W	77					56	SOUTHERN ALASKA. <AEIC>.
	27	19 16 28.0&	63.251	N	149.791	W	103					53	CENTRAL ALASKA. <AEIC>.
	27	19 21 04.8	42.466	N	43.725	E	33	N	4.8		1.2	105	NORTHWESTERN CAUCASUS
	27	19 41 53.8&	32.914	N	116.278	W	15					7	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.5

													(PAS). Felt (III) at Mount Laguna, California and (II) at Pine Valley, California.
o	27	20	28	14.7	47	863	N	147.128	E	454	D	5.5	0.9 430 NORTHWEST OF KURIL ISLANDS
	27	21	21	42.9%	40	702	N	30.334	E	10	G		0.5 6 TURKEY
	27	21	23	15.7%	40	693	N	30.268	E	10	G		0.7 7 TURKEY
	27	21	37	25.8%	37	317	S	177.041	E	10	G		0.8 9 OFF E. COAST OF N. ISLAND, N.Z. ML 4.1 (WEL).
	27	21	42	44.2*	18	875	N	145.767	E	251	?	4.1	0.8 12 MARIANA ISLANDS
	27	22	40	10.1	33	130	S	70.353	W	100	?		0.3 12 CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	27	23	34	27.5?	38	67	N	24.19	E	10	G		0.4 7 AEGEAN SEA
	27	23	49	42.7%	36	670	N	4.503	W	10	G		1.3 6 STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	27	23	56	19.7?	43	48	N	12.51	E	10	G		0.3 4 CENTRAL ITALY
	27	23	56	20.9%	40	720	N	30.283	E	5	G		0.6 7 TURKEY
	27	23	57	31.9	45	763	N	26.664	E	98	*		0.7 20 ROMANIA
	28	00	21	35.3*	17	508	N	119.986	E	65	*	4.9	0.5 10 PHILIPPINE ISLANDS REGION
	28	00	25	40.0	12	708	S	166.963	E	203	D	4.9	1.0 107 SANTA CRUZ ISLANDS
	28	01	11	50.4	38	997	N	26.084	E	10	G		0.6 27 AEGEAN SEA. ML 3.4 (ATH). MD 3.3 (THE).
o	28	01	59	33.0	32	108	S	178.793	W	33		5.4 4.6	1.1 133 SOUTH OF KERMADEC ISLANDS
	28	02	50	12.9	21	328	N	98.668	E	33	N	4.2	1.2 15 MYANMAR
	28	04	06	58.3?	47	43	N	7.68	E	5	G		0.3 4 SWITZERLAND. ML 1.8 (LDG).
	28	04	08	52.8	39	306	N	28.098	E	9			0.7 11 TURKEY
	28	04	16	25.5?	47	44	N	7.68	E	5	G		0.3 4 SWITZERLAND. ML 1.9 (LDG).
	28	04	40	05.1&	40	485	N	124.275	W	21			4 NEAR COAST OF NORTHERN CALIF <BRK>. ML 3.0 (BRK).
	28	04	44	17.8*	6	957	S	155.553	E	133	*	4.6	1.0 18 SOLOMON ISLANDS
a	28	04	48	21.8	22	007	S	176.256	W	142	D	5.2	1.1 116 SOUTH OF FIJI ISLANDS
	28	05	14	44.9?	17	60	N	145.90	E	155	*	4.8	0.7 14 MARIANA ISLANDS
	28	05	26	36.2	28	080	S	66.958	W	180	*		0.8 18 CATAMARCA PROVINCE, ARGENTINA
	28	05	51	38.9	54	830	N	166.168	E	33	N	4.4	0.6 17 KOMANDORSKY ISLANDS REGION
	28	06	27	30.4%	37	299	S	177.070	E	10	G		0.7 10 OFF E COAST OF N. ISLAND, N.Z. ML 3.9 (WEL).
	28	06	41	17.4	44	461	N	7.266	W	10	G		0.7 21 NORTH ATLANTIC OCEAN. mbLg 3.1 (MDD).
	28	08	02	50.6&	66	259	N	146.783	W	0			18 NORTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	28	08	24	22.2	15	409	N	91.949	W	179	D	4.4	1.0 58 MEXICO-GUATEMALA BORDER REGION
	28	08	44	37.7	41	858	N	19.428	E	12			0.8 15 ALBANIA. ML 2.5 (TTG), 2.3 (TIR).
	28	09	26	43.9*	1	413	S	77.716	W	184	D	4.2	0.9 22 ECUADOR
	28	09	42	18.5*	40	856	N	25.579	E	10	G		1.1 7 AEGEAN SEA
	28	10	04	21.7?	40	64	N	22.99	E	5	G		0.1 4 GREECE
o	28	10	17	41.8	26	5B2	N	67.303	E	10	G	4.9 4.3	1.0 111 PAKISTAN
	28	10	21	23.6%	38	521	N	14.357	E	10	G		0.7 18 SICILY. MD 3.1 (ROM).
	28	11	06	01.4*	55	979	N	153.616	W	33	N	3.5	1.5 10 SOUTH OF ALASKA
	28	11	18	58.4&	33	390	N	116.872	W	6			4 SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS).
	28	11	21	58.5%	45	606	N	2.800	E	10	G		0.8 8 FRANCE. ML 1.4 (LDG).
	28	11	39	26.3?	38	53	N	14.16	E	33	N		1.2 5 SICILY
	28	12	14	07.7	32	956	S	70.230	W	121	?		0.8 15 CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	28	12	25	43.9?	39	05	N	23.88	E	10	G		0.4 9 AEGEAN SEA. MD 2.2 (THE).
	28	13	53	26.8	62	213	N	153.119	W	10	G		0.4 34 CENTRAL ALASKA. ML 2.5 (AEIC).
	28	15	22	55.7?	55	26	N	162.29	E	33	N	4.1	0.6 5 NEAR EAST COAST OF KAMCHATKA
	28	16	25	54.8%	45	442	N	2.502	E	5	G		0.7 8 FRANCE. ML 1.9 (LDG).
	28	16	29	15.3?	10	38	S	118.53	E	33	N	4.1	1.0 8 SOUTH OF SUMBAWA, INDONESIA
	28	16	58	10.7*	8	142	N	94.872	E	33	N	4.6	1.2 9 NICOBAR ISLANDS, INDIA
	28	18	01	05.8%	48	096	N	0.300	W	10	G		0.8 8 FRANCE. ML 2.1 (LDG).
	28	18	17	58.3?	39	13	N	23.75	E	10	G		0.4 7 AEGEAN SEA. MD 2.5 (THE).
	28	18	43	58.9?	32	24	S	69.90	W	146	?		0.1 6 MENDOZA PROVINCE, ARGENTINA
	28	18	58	40.2?	39	03	N	23.87	E	10	G		0.4 8 AEGEAN SEA MD 2.7 (THE).
	28	19	22	06.9%	39	384	N	16.274	E	10	G		0.7 7 SOUTHERN ITALY
	28	19	24	16.7	46	769	N	9.473	E	10	G		1.1 88 SWITZERLAND. ML 4.0 (GRF), 3.9 (FUR), 3.7 (VIE).
	28	19	25	50.4	54	855	N	162.642	E	33	N	4.5 4.5	0.9 36 NEAR EAST COAST OF KAMCHATKA
	28	20	07	48.4*	18	127	N	101.318	W	33	N		0.6 7 GUERRERO, MEXICO
	28	21	22	57.0%	40	349	N	23.955	E	5	G		0.6 5 GREECE. MD 2.1 (THE).
	28	21	31	09.5	46	710	N	9.379	E	5	G		0.7 12 SWITZERLAND. ML 2.5 (FUR), 2.5 (LDG).
	28	22	42	37.2*	51	189	N	15.977	E	10	G		0.6 6 POLAND
	28	22	50	13.8?	4	73	S	129.54	E	138	?	4.9	1.0 13 BANDA SEA
	28	23	12	57.4%	41	142	N	23.789	E	10	G		0.5 5 GREECE-BULGARIA BORDER REGION. MD 2.6 (THE).
	29	00	01	40.9	21	759	N	145.618	E	33	N	4.6 4.3	1.0 48 MARIANA ISLANDS REGION
	29	00	30	40.5?	39	10	N	23.82	E	10	G		0.5 5 AEGEAN SEA
	29	00	34	46.1	46	038	N	143.578	E	307	*	4.6	0.9 75 SAKHALIN ISLAND
	29	00	48	15.6?	16	65	S	179.33	W	550	G	4.5	0.7 16 FIJI ISLANDS REGION
	29	01	30	50.9*	18	740	N	106.976	W	33	N	4.3	1.1 39 OFF COAST OF JALISCO, MEXICO
	29	01	35	24.4	41	149	N	24.025	E	10	G		1.0 20 GREECE-BULGARIA BORDER REGION. MD 2.9 (THE).
	29	01	56	06.9*	33	566	N	72.310	E	33	N	5.1	1.2 7 PAKISTAN
	29	02	55	07.5&	47	625	N	122.197	W	25			106 WASHINGTON <SEA>. MD 3.2 (SEA). ML 3.4 (GS), 3.3 (PGC). Felt (IV) at Bothell and Woodinville. Felt (III) at Snohomish. Also felt at Duvall, Edmonds, Juanita, Kirkland, Redmond and Seattle.
	29	03	35	10.9?	38	71	N	22.76	E	10	G		0.5 10 GREECE. MD 2.8 (THE).
	29	04	27	01.0%	37	121	N	14.503	E	26	*		0.6 6 SICILY
	29	04	27	33.8	40	614	N	29.060	E	5	G		0.5 13 TURKEY
	29	04	32	58.2&	63	306	N	151.502	W	10		3.5	67 CENTRAL ALASKA. <AEIC>. ML 3.8 (AEIC), 3.9 (PMR).
	29	05	24	42.2%	18	541	N	66.363	W	33	N		0.4 6 PUERTO RICO REGION
	29	06	08	32.3	40	088	N	23.251	E	10	G		0.5 10 GREECE. MD 2.5 (THE).
	29	06	18	25.7	7	010	S	155.694	E	91	*	4.5	0.8 16 SOLOMON ISLANDS
	29	06	45	35.0	41	001	N	19.791	E	10			1.2 29 ALBANIA. ML 2.8 (TIR), 2.5 (TTG).
	29	06	54	30.0	51	863	N	166.555	W	32	D	4.8	1.2 127 SOUTH OF ALEUTIAN ISLANDS
	29	06	56	53.5	51	890	N	176.153	W	48	D	4.5	0.8 27 ANDREANOF ISLANDS, ALEUTIAN IS.
	29	07	12	06.8	39	514	N	20.076	E	27			0.9 14 GREECE-ALBANIA BORDER REGION
	29	07	15	05.2%	36	542	N	5.344	W	5	G		1.1 8 STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
	29	07	23	29.8?	38	47	N	22.00	E	10	G		0.6 8 GREECE. MD 2.8 (THE).
	29	07	27	41.8	31	622	S	68.523	W	10	G		1.0 13 SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN). Felt at San Juan.
	29	07	57	13.5?	42	44	N	125.29	W	10	G	2.7	0.6 16 OFF COAST OF OREGON
	29	08	10	19.9	39	448	N	19.731	E	44	*	3.1	1.0 55 GREECE-ALBANIA BORDER REGION. MD 3.7 (ATH), 3.4 (THE).
	29	08	28	30.4	36	966	N	141.428	E	67		4.6	1.2 56 NEAR EAST COAST OF HONSHU, JAPAN
	29	08	42	43.7&	58	941	N	152.078	W	62			62 KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC), 3.6 (PMR).
	29	09	07	45.4*	10	798	N	62.453	W	80	G		0.3 7 NEAR COAST OF VENEZUELA. MD 3.0 (TRN).
	29	09	09	57.7	31	229	S	68.685	W	113	*		1.0 16 SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN).

	29	09	10	15.6%	47.577	N	5.359	E	10	G			0.9	7	FRANCE ML 1.6 (LDG).
	29	09	26	20.1	39.443	N	39.647	E	10	G	4.2		1.0	17	TURKEY
	29	10	01	17.4*	7.607	S	127.935	E	182	*	4.9		1.3	14	BANDA SEA
	29	10	27	38.1%	41.125	N	28.494	E	10	G			0.6	6	TURKEY
	29	11	26	45.5?	54.76	N	163.00	E	33	N	4.1		1.2	10	OFF EAST COAST OF KAMCHATKA
	29	12	15	11.1	44.714	N	7.300	E	10	G			1.0	16	NORTHERN ITALY. ML 2.3 (LDG), 2.3 (GEN).
	29	12	19	27.0	20.526	S	178 050	W	542	*	5.2		0.9	147	FIJI ISLANDS REGION
	29	12	33	28.1?	15.45	N	91.98	W	191	*	3.5		1.3	12	MEXICO-GUATEMALA BORDER REGION
a	29	13	00	42.9	27.207	N	142.599	E	35	D	5.4	5.1	1.0	211	BONIN ISLANDS REGION Ms 5.4 (BRK).
a	29	13	11	17.3	16.969	S	173.542	W	65	D	5.3		1.0	157	TONGA ISLANDS
	29	13	16	05.7?	43.39	N	2.57	E	5	G			1.2	4	FRANCE. ML 2.3 (LDG).
	29	14	08	57 6?	35.80	S	71.44	W	118	?			0.8	13	CENTRAL CHILE. MD 3.9 (SAN).
a	29	15	10	46.4	17.737	S	115.947	W	10	G	5.2		0.8	93	SOUTHERN EAST PACIFIC RISE
	29	15	12	29.9	10.128	S	118.989	E	32	D	5.4	4.5	1.3	82	SOUTH OF SUMBAWA, INDONESIA
	29	15	20	32.2&	59.842	N	153.389	W	138					35	SOUTHERN ALASKA. <AEIC>.
	29	15	39	18.9&	35.770	N	121.282	W	7					16	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK), 2.8 (PAS).
	29	16	00	43.9*	44.048	N	4.749	E	10	G			1.1	8	FRANCE. ML 2.3 (LDG).
	29	16	24	27.8	46.778	N	9.511	E	10	G			1.1	48	SWITZERLAND. ML 3.4 (FUR), 3.4 (GRF), 3.2 (STR), 3.2 (LDG), 3.1 (VIE).
	29	16	58	37.1?	16.52	N	100.01	W	33	N	3.7		1.1	7	NEAR COAST OF GUERRERO, MEXICO
	29	17	10	17.9?	16.69	N	99.92	W	5	G			1.4	6	NEAR COAST OF GUERRERO, MEXICO
	29	17	39	52.0?	40.63	N	23.52	E	10	G			0.1	4	GREECE
a	29	17	40	09.4	3.412	N	31 547	W	10	G	5.3	4.9	1.3	99	CENTRAL MID-ATLANTIC RIDGE
	29	17	51	24.4&	61.472	N	146.582	W	24					64	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.1 (PMR).
	29	18	46	19.1*	37.765	S	175.968	E	305	*			0.4	30	NORTH ISLAND, NEW ZEALAND
	29	18	48	56.3*	25.203	S	70.839	W	47	*	4.3		1.1	15	NEAR COAST OF NORTHERN CHILE
	29	19	29	33.5%	37.261	S	177.199	E	10	G			0.4	5	OFF E. COAST OF N. ISLAND, N.Z. ML 3.9 (WEL).
	29	19	35	22.4	39 163	N	23.811	E	10	G			0.9	21	AEGEAN SEA ML 3.5 (ATH). MD 3.1 (THE).
	29	20	21	02.3*	16.025	N	146.976	E	33	N	4.0		0.9	14	MARIANA ISLANDS
	29	20	23	55.7?	31.64	S	68.59	W	112	?			0.4	5	SAN JUAN PROVINCE, ARGENTINA
	29	21	20	50.3?	41.45	N	14.56	E	10	G			0.8	4	SOUTHERN ITALY
	29	21	25	59.6	35.905	N	140.521	E	108		3.7		0.6	19	NEAR EAST COAST OF HONSHU, JAPAN
	29	21	27	38.4*	28.215	S	70.119	W	189	?			1.2	15	CENTRAL CHILE
	29	21	30	09.7?	17.34	S	178.60	W	461	?	4.3		1.1	37	FIJI ISLANDS REGION
	29	21	48	03.8*	45.324	N	31 052	E	10	G	3.4		1.0	9	UKRAINE-MOLDOVA-SW RUSSIA REGION
	29	21	50	02.9	2.684	N	128.527	E	237		5.1		0.9	88	HALMAHERA, INDONESIA
	29	22	21	52.9?	33.97	N	26.06	E	33	N	3.6		1.3	6	EASTERN MEDITERRANEAN SEA
	29	23	25	39.7%	46.360	N	1 841	E	10	G			0.6	10	FRANCE ML 2.0 (LDG).
	29	23	45	14.5	45.335	N	31.249	E	33	N	3.6		1.1	27	UKRAINE-MOLDOVA-SW RUSSIA REGION. Felt in the Odessa, Ukraine area.
	30	00	18	59.2?	6.00	S	147 68	E	65	?	4.4		1.4	5	EASTERN NEW GUINEA REG., P N.G.
	30	00	27	40.4	14.774	S	70.616	W	203	*	4.5		0.9	48	CENTRAL PERU
	30	00	46	54.7*	31.408	S	69.103	W	117	*			1.1	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.4 (SAN).
	30	01	57	06.5?	5.88	S	146.76	E	190	?	4.7		1.0	6	EASTERN NEW GUINEA REG., P.N.G.
	30	02	15	00.0%	10.803	N	61.777	W	10	G			0.8	5	TRINIDAD. MD 3.3 (TRN).
	30	02	24	20.2?	13.64	N	93.10	W	33	N	4.4		1.2	11	OFF COAST OF CHIAPAS, MEXICO
	30	03	28	39.9?	52.37	S	27.40	E	10	G	4.9		1.3	6	SOUTH OF AFRICA
	30	04	33	27.9	40.061	N	24.800	E	10	G			0.2	10	AEGEAN SEA. MD 3.2 (THE).
	30	05	57	56.6%	36.562	S	177.164	E	10	G			0.8	6	OFF E. COAST OF N. ISLAND, N.Z. ML 4.1 (WEL).
	30	05	58	55.5&	59 900	N	153.267	W	121					43	SOUTHERN ALASKA <AEIC>.
a	30	06	09	42.4	30.179	S	177 655	W	32	D	5.3		1.2	57	KERMADEC ISLANDS, NEW ZEALAND. Felt (III) on Raoul Island.
	30	06	17	49.0?	6.71	S	130.08	E	150	?	5.1		1.5	7	BANDA SEA
a	30	07	02	51.9	43.151	S	171.386	E	12		5.7	5.1	1.2	96	SOUTH ISLAND, NEW ZEALAND. ML 5.5 (WEL).
	30	07	05	38.5	43.049	S	171.227	E	10	G			0.7	11	SOUTH ISLAND, NEW ZEALAND. ML 4.0 (WEL).
	30	07	49	18.7?	18.70	S	170.11	E	246	?	4.8		0.9	9	VANUATU ISLANDS
	30	08	00	07.4	43.061	S	171.251	E	19				0.9	24	SOUTH ISLAND, NEW ZEALAND. ML 3.8 (WEL).
	30	08	12	04.7*	7.072	S	128.800	E	148	?	4.8		0.8	9	BANDA SEA
	30	08	28	46.7*	19.382	N	108.669	W	10	G	4.1		1.2	24	REVILLA GIGEDO ISLANDS REGION
	30	09	18	54.8&	60.067	N	152.160	W	64					40	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	30	09	50	05.3*	27.170	N	142.416	E	33	N	4.6		0.6	9	BONIN ISLANDS REGION
	30	09	50	11.9	38 288	S	175.609	E	299	*			0.4	36	NORTH ISLAND, NEW ZEALAND
	30	10	01	07.9%	59.799	N	4.687	E	10	G			0.4	8	SOUTHERN NORWAY. MD 2.2 (BER).
	30	10	39	44.5	16.963	N	60.982	W	33	N	3.4		0.8	19	LEEWARD ISLANDS. ML 3.8 (FDF). MD 3.6 (TRN).
	30	11	43	20.4	13.627	N	91.750	W	29	D	4.7		1.0	91	NEAR COAST OF GUATEMALA. Felt at Ciudad Hidalga, Mexico and Champerica, Guatemala.
	30	11	45	14.1&	37.851	N	122.220	W	3					7	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). Felt in the Oakland-Piedmont-south Berkeley area.
	30	11	46	26.3*	13.827	N	91.697	W	29	D	4.7		1.0	24	NEAR COAST OF GUATEMALA
a	30	12	16	09.2	18.453	N	145.590	E	207	D	4.9		1.0	141	MARIANA ISLANDS
	30	12	42	31.4*	39.862	N	25.582	E	10	G			1.1	5	AEGEAN SEA
	30	13	29	32.8	43.386	N	7.913	E	10	G			0.2	8	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG).
	30	13	36	32.5%	39.395	N	20.373	E	10	G			0.6	7	GREECE-ALBANIA BORDER REGION
	30	13	40	44.2*	6.898	N	123.950	E	33	N	4.6		1.1	10	MINDANAO, PHILIPPINE ISLANDS
	30	13	42	17.1	8.345	S	114.734	E	17	D	5.2	4.0	1.2	66	BALI REGION, INDONESIA. Felt (II) at Kahang-Kahang.
	30	14	06	04.1?	40.79	N	142.07	E	33	N	4.4		1.5	7	NEAR EAST COAST OF HONSHU, JAPAN
	30	14	31	07.3	45.509	N	6.364	E	10	G			0.7	13	FRANCE. ML 2.4 (STR), 2.4 (LDG).
	30	15	13	13.7	41.531	N	20.196	E	5	G			1.0	13	ALBANIA. ML 2.3 (TTG), 2.0 (TIR).
	30	15	22	08.6?	17.75	S	174.91	W	240	G	4.4		0.5	13	TONGA ISLANDS
	30	16	30	01.8*	6.986	S	130.809	E	117	?	4.6		1.1	15	BANDA SEA
	30	17	39	17.0&	49.001	N	129.157	W	10	G	3.3			13	VANCOUVER ISLAND REGION <PGC-P>. ML 3.2 (PGC).
a	30	18	09	44.8	17.793	S	116.107	W	10	G	5.7	5.3	1.0	261	SOUTHERN EAST PACIFIC RISE. Ms 5.7 (BRK). Mo=2.5*10**18 Nm (PPT).
	30	18	30	06.6?	31.93	N	94.46	E	33	N	3.9		1.0	7	XIJANG
	30	18	51	20.5	46.363	N	13.261	E	10	G			1.0	11	AUSTRIA. ML 2.3 (VIE), 2.0 (LJU).
	30	18	56	07.5&	58.088	N	142.689	W	10	G				24	GULF OF ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PGC).
	30	18	57	36.1?	43.86	N	7.40	E	10	G			0.1	4	NEAR SOUTH COAST OF FRANCE. ML 1.5 (STR).
	30	19	14	40.0*	53.691	N	35.393	W	10	G	4.6	4.2	1.2	23	NORTH ATLANTIC OCEAN
	30	19	19	34.8	35.855	N	72.374	E	55	*	4.4		0.9	14	PAKISTAN
	30	19	32	01.7	41.129	N	20.987	E	10	G	4.6		1.1	155	ALBANIA. ML 4.9 (SKO), 4.6 (ATH), 4.6 (TIR). MD 4.5 (TTG). Felt (VII) at Resen and Ohrid and (V) at Prilep, Debar, Gostivar and Skopje, Yugoslavia.
	30	19	41	38.9%	45.877	N	2.756	E	10	G			0.4	6	FRANCE. ML 1.6 (LDG).

	30	19 51 34.7&	60.635	N	139.692	W	7					16	SOUTHEASTERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.8 (PGC).
	30	19 57 40 1&	58.197	N	142.540	W	10	G				6	GULF OF ALASKA <AEIC>. ML 2.6 (AEIC).
	30	19 57 59.6*	53.845	N	35.216	W	10	G	4.2	3.8	0.6	11	NORTH ATLANTIC OCEAN
	30	20 01 51 0	41.104	N	20.996	E	5	G			0.5	7	ALBANIA
	30	20 32 40.2	41.130	N	21.064	E	5	G			1.0	27	NORTHWESTERN BALKAN REGION. ML 3.3 (SKO), 3.2 (TTG), 2.7 (TIR). MD 2.9 (THE). Felt (IV) in the Resen, Yugoslavia area.
a	30	20 45 38.8	42 862	N	145.169	E	41	D	5.7	4.9	0.9	378	HOKKAIDO, JAPAN REGION
	30	20 50 55.6	35.429	N	3.650	W	10	G			1.1	7	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD)
	30	21 00 52.0*	35.280	N	3.824	W	10	G			1.2	6	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
	30	21 10 03.7	40.989	S	174.320	E	76	*			0.9	30	COOK STRAIT, NEW ZEALAND
	30	22 09 32.4*	0.097	N	123.605	E	173	*	4.8		0.9	17	MINAHASSA PENINSULA, SULAWESI
	30	22 27 39.9	35.432	N	3.664	W	19				0.7	13	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
	30	23 38 53.8	41.118	N	21.013	E	10	G			0.4	6	NORTHWESTERN BALKAN REGION. ML 2.7 (SKO). MD 2.5 (THE). Felt (IV) in the Resen, Yugoslavia area.
	30	23 43 35.5	43.076	S	171.212	E	25				0.8	19	SOUTH ISLAND, NEW ZEALAND. ML 3.7 (WEL).
	31	00 18 55.7%	38.707	N	29.165	E	10	G			1.1	7	TURKEY
	31	00 28 24.4*	32.160	N	80.746	E	33	N	3	6	0.5	8	XIJANG
	31	00 55 30.5?	46.19	N	1.97	E	10	G			0.3	4	FRANCE. ML 1.4 (LDG).
	31	01 10 14.7	45.153	N	30.995	E	33	N	3.4		0.7	16	UKRAINE-MOLDOVA-SW RUSSIA REGION
	31	01 59 30.9%	40.409	N	28.799	E	5	G			0.6	6	TURKEY
	31	02 14 57.8*	18.817	S	126.877	E	10	G	4.3		1.0	5	WESTERN AUSTRALIA
	31	02 58 17 8*	70.744	N	21.388	W	10	G	4.0		1.2	14	EASTERN GREENLAND
a	31	03 32 02.5	49.872	S	113.744	W	10	G	5.2	5.9	1.3	67	SOUTHERN EAST PACIFIC RISE. Ms 6.3 (BRK). Mo=1.0*10**19 Nm (PPT).
	31	03 57 38 7%	40.587	N	27.394	E	5	G			0.6	6	TURKEY
	31	04 14 27.9%	39.644	N	16.453	E	10	G			0.8	8	SOUTHERN ITALY
	31	04 16 48.8*	16.588	N	99.887	W	33	N	3.8		0.9	8	NEAR COAST OF GUERRERO, MEXICO
	31	05 15 09.2%	38.878	N	17.646	E	10	G			1.2	12	SOUTHERN ITALY
	31	06 06 18.9%	44 595	N	6.769	E	10	G			0.5	5	FRANCE. ML 1.9 (GEN).
	31	06 39 01.7?	66.51	N	14.69	E	10	G			1.3	4	NORTHERN NORWAY. MD 2.5 (BER).
	31	06 40 48.6	13.533	N	142.809	E	33	N	4.8		0.6	11	SOUTH OF MARIANA ISLANDS
	31	06 51 43.5	41.165	N	21.118	E	10	G			0.8	7	NORTHWESTERN BALKAN REGION. ML 2.7 (SKO), 2.5 (TIR). Felt (III) in the Resen, Yugoslavia area.
	31	08 19 54.3?	5.45	S	145.80	E	33	?	4.0		1.3	5	EASTERN NEW GUINEA REG., P.N.G. ML 4.2 (PMG).
	31	09 16 06.9*	31.797	N	70.715	E	33	N	3.8		0.8	9	PAKISTAN
	31	09 17 01.4*	40.501	N	21.789	E	10	G			1.2	6	GREECE
	31	09 34 40.9	47.949	N	154.040	E	60	D	4.9		0.9	119	KURIL ISLANDS
	31	10 10 09.4%	44.401	N	7.258	E	10	G			1.4	7	NORTHERN ITALY ML 1.6 (GEN).
	31	10 15 58.8	41.004	N	21.006	E	5	G			1.2	11	NORTHWESTERN BALKAN REGION. ML 2.6 (SKO), 2.4 (TIR). Felt (III) in the Resen, Yugoslavia area.
	31	10 53 28.9*	39.255	N	23.087	E	10	G			0.4	8	AEGEAN SEA. MD 2.1 (THE).
	31	11 19 48.2&	36.868	N	121.605	W	6					7	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM)
	31	11 29 28.0&	61.604	N	149.835	W	41					45	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	31	12 02 24.9	51.526	N	16.238	E	10	G	3.8		0.6	12	POLAND. ML 3.8 (VIE), 3.6 (GRF).
	31	12 10 53.8%	60.679	N	5.352	E	10	G			1.5	6	SOUTHERN NORWAY. MD 1.8 (BER).
	31	12 11 15.2%	42.588	N	24.124	E	5	G			0.6	8	BULGARIA
	31	12 15 48.1%	40.817	N	28.161	E	10	G			0.6	7	TURKEY
	31	12 26 16.8*	42.608	N	23.896	E	5	G			0.5	6	BULGARIA. MD 2 6 (THE).
	31	12 58 24.9*	31.488	S	68.458	W	80	G			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	31	13 02 36.8?	51.20	N	179.85	W	33	N	3.9		1.6	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	31	13 05 44.3	39.635	S	174.315	E	152	*			0.7	35	NORTH ISLAND, NEW ZEALAND
	31	13 19 26.8	40.026	N	20.611	E	5	G			1.1	6	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	31	13 20 29.8	40.009	N	20.590	E	30		3.7		1.0	61	GREECE-ALBANIA BORDER REGION. ML 4.0 (ATH), 3.9 (TIR), 3.8 (TTG). MD 3.7 (THE).
	31	13 25 24.3%	40.054	N	20.580	E	10	G			0.4	5	GREECE-ALBANIA BORDER REGION
	31	13 34 45.3	2.789	N	124.834	E	276	*	4.6		1.1	53	CELEBES SEA
	31	14 59 39.6*	26.019	N	85.731	W	5	G	3.8		1.1	20	GULF OF MEXICO
	31	15 04 38.7	45.6B9	N	26.564	E	145		4.7		1.1	162	ROMANIA. Felt (IV) in the Vrancea area and (III) at Bucharest.
	31	15 30 55.5	40.568	N	29.346	E	10	G			0.9	8	TURKEY
	31	16 19 08.9&	59.451	N	151.287	W	42					67	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
	31	16 58 45.3*	40.667	N	30.511	E	10	G			0.7	8	TURKEY
	31	16 59 00.0	8.337	N	126.632	E	81	*	4.6		1.2	31	MINDANAO, PHILIPPINE ISLANDS
	31	17 36 59.0?	33.12	S	179.37	E	220	?	4.9		1.4	13	SOUTH OF KERMADEC ISLANDS
	31	18 21 07.3?	29.22	S	179.10	W	268	?	4.8		1.4	31	KERMADEC ISLANDS REGION
	31	18 51 57.6*	12.905	S	166.255	E	54	*	4.5	4.0	0.8	12	SANTA CRUZ ISLANDS
	31	18 54 57.4*	28.379	S	68.534	W	134	?			1.3	18	LA RIOJA PROVINCE, ARGENTINA
	31	19 43 17.3	17.441	N	101.095	W	50	*	4.7		1.3	45	NEAR COAST OF GUERRERO, MEXICO
	31	19 53 24.7%	39.573	N	28.672	E	10	G			0.6	8	TURKEY
	31	20 25 18.0	44.676	N	8.362	E	8				0.9	21	NORTHERN ITALY. ML 2.8 (LDG), 2.8 (GEN).
	31	20 48 15.3	20.326	S	65.250	W	354		4.5		1.3	40	SOUTHERN BOLIVIA
a	31	20 56 37.7	17.469	N	101.119	W	48		5.2	5.1	1.1	137	NEAR COAST OF GUERRERO, MEXICO. Ms 5.3 (BRK). Felt at Mexico City and Jajutla.
	31	20 57 57.7	6.735	N	72.923	W	162	*			1.4	17	NORTHERN COLOMBIA
	31	21 10 49.8%	38.779	N	29.158	E	10	G			1.2	6	TURKEY
	31	21 25 01.1	17.294	N	101.125	W	50	*	4.7		0.9	27	NEAR COAST OF GUERRERO, MEXICO
	31	21 42 36.3?	38.74	N	29.03	E	10	G			1.2	4	TURKEY
	31	21 58 48.6	16.273	N	61.585	W	132		3.7		0.5	20	LEEWARD ISLANDS. MD 3.6 (TRN).
	31	21 58 51.6	41.090	N	21.058	E	5	G			1.0	39	NORTHWESTERN BALKAN REGION. ML 3.4 (SKO), 3.3 (TTG). MD 3.3 (ATH). Felt (IV) in the Resen, Yugoslavia area.
	31	22 01 04 1	41.077	N	20.990	E	13		4.8		1.0	58	ALBANIA. ML 4.1 (SKO), 3.8 (TTG), 3.8 (TIR). MD 3.9 (ATH). Felt (VI) at Resen, (V) at Ohrid, Bitola and Struga; (IV) at Prilep, Kievo and Debar, Yugoslavia.
	31	22 04 32.6	41.054	N	21.090	E	5	G			1.0	23	NORTHWESTERN BALKAN REGION. ML 3.0 (TTG), 2.8 (SKO). MD 2.7 (THE).
	31	22 21 20.7&	63.367	N	149.689	W	110					59	CENTRAL ALASKA. <AEIC>.
	31	22 46 35.5%	42.130	N	19.335	E	10	G			0.2	8	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	31	22 57 04.9	47.935	N	16.344	E	10	G			1.3	13	AUSTRIA. ML 3.0 (VIE). Felt (V) at Wiener Neustadt.
	31	23 05 48.6	44.432	N	6.323	E	5	G			0.9	18	FRANCE. ML 2.5 (LDG).
	31	23 46 26.6*	10.386	S	154.506	E	33	N	4.2		1.2	5	D'ENTRECASTEAUX ISLANDS REGION
	31	23 54 32.2%	40.948	N	23.685	E	10	G			0.2	5	GREECE. MD 1.8 (THE).

ADDITIONAL SOURCE PARAMETERS

02 09 05 56.45 40.337S 176.363E 28km
5.3mb (12 obs.) 5.3Msz (3 obs)
NORTH ISLAND, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 46C
Centroid Location:
Origin Time 09:05 59.7 0.3
Lat 40.65S 0.06 Lon 176.29E 0.07
Dep 29.8 2.7 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.65	31	315
N	-0.63	10	219
P	-2.02	57	113

Best Double Couple:Mo=2.3*10**17
NP1:Strike= 76 Dip=17 Slip= -52
NP2: 216 77 -100

02 12 29 39.59 52.915N 159.886E 39km
6.5mb (125 obs.) 6.8Msz (43 obs.)
OFF EAST COAST OF KAMCHATKA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 40 Dip=58 Slip= 90
NP2: 220 32 90
Principal Axes:

	Plg=	Azm=
T	77	310
P	13	130

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**14 Nm
MOMENT TENSOR SOLUTION
Dep 42 No. of sta: 20
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	2.27	77	260
N	0.65	10	42
P	-2.92	8	133

Best Double Couple:Mo=2.6*10**19
NP1:Strike=235 Dip=38 Slip= 106
NP2: 35 53 78
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 87C M.W.: 28S, 73C
Centroid Location:
Origin Time 12:29:47.3 0.1
Lat 52.85N 0.01 Lon 160.36E 0.01
Dep 50.2 0.4 Half-duration 10.8
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	2.40	73	318
N	-0.15	3	218
P	-2.25	17	127

Best Double Couple:Mo=2.3*10**19
NP1:Strike=213 Dip=28 Slip= 84
NP2: 40 62 93

03 01 18 31.25 14.384S 167.179E 148km
5.9mb (83 obs.)
VANUATU ISLANDS
RADIATED ENERGY
No. of sta: 13 Focal mech. M
Energy 5.8±1.3*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 161 No. of sta: 18
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.46	75	258
N	0.07	4	154
P	-4.54	15	63

Best Double Couple:Mo=4.5*10**17
NP1:Strike=147 Dip=30 Slip= 83
NP2: 336 60 94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 72C
Centroid Location:
Origin Time 01:18:36.9 0.2
Lat 14.27S 0.03 Lon 167.11E 0.02
Dep 157.6 0.7 Half-duration 3.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.22	70	187
N	0.41	19	354
P	-6.63	4	85

Best Double Couple:Mo=6.4*10**17
NP1:Strike=195 Dip=44 Slip= 118
NP2: 338 52 66

03 03 11 44 05 44.242N 149.058E 21km
5.8mb (93 obs) 5.3Msz (33 obs)
KURIL ISLANDS
RADIATED ENERGY
No. of sta: 6 Focal mech. C
Energy 1.7±0.4*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 47C
Centroid Location:
Origin Time 03:11:50.6 0.4
Lat 44.21N 0.05 Lon 149.26E 0.06
Dep 24.5 3.0 Half-duration 2.3
Principal Axes.
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.56	69	287
N	0.55	7	36
P	-3.12	20	129

Best Double Couple:Mo=2.8*10**17
NP1:Strike=231 Dip=26 Slip= 107
NP2: 33 65 82

03 04 28 03.48 44.157N 149.102E 38km
5.6mb (97 obs.) 5.8Msz (31 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 64C
Centroid Location:
Origin Time 04:28: 8.6 0.3
Lat 44.35N 0.04 Lon 149.57E 0.04
Dep 16.0 BDY Half-duration 3.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.79	64	311
N	0.78	1	218
P	-7.57	26	128

Best Double Couple:Mo=7.2*10**17
NP1:Strike=215 Dip=19 Slip= 86
NP2: 39 71 91

03 08 29 09.20 5.955S 106.159E 144km
5.3mb (29 obs.)
JAWA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 28C
Centroid Location:
Origin Time 08:29:12.1 0.6
Lat 6.22S 0.05 Lon 105.98E 0.10
Dep 134.2 3.1 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.63	41	221
N	-1.49	49	43
P	-8.14	1	312

Best Double Couple:Mo=8.9*10**16
NP1:Strike= 4 Dip=62 Slip= 30
NP2: 259 64 148

03 13 39 28.10 15.937S 172.891W 34km
5.2mb (28 obs.) 5.0Msz (11 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 61C
Centroid Location:
Origin Time 13:39:34.7 0.3
Lat 15.60S 0.04 Lon 172.42W 0.04
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.80	71	278
N	0.10	3	180
P	-1.90	19	89

Best Double Couple:Mo=1.9*10**17
NP1:Strike=174 Dip=26 Slip= 84
NP2: 1 64 93

03 18 47 51.39 17.440S 174.370W 139km
5.1mb (36 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 32C
Centroid Location:
Origin Time 18:47:56.2 0.9
Lat 17.62S 0.09 Lon 174.00W 0.06
Dep 140.6 2.0 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.40	47	103
N	0.01	2	11
P	-1.41	43	280

Best Double Couple:Mo=1.4*10**17
NP1:Strike=339 Dip= 3 Slip= 58
NP2: 191 88 92

03 23 19 47.11 19.300N 121.158E 39km
4.8mb (27 obs.) 5.0Msz (3 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 47C
Centroid Location:
Origin Time 23:19:51.0 0.5
Lat 19.85N 0.06 Lon 121.30E 0.04
Dep 15.4 1.9 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.55	71	86
N	0.00	12	214
P	-1.56	14	307

Best Double Couple:Mo=1.5*10**17
NP1:Strike= 52 Dip=32 Slip= 112
NP2: 207 60 77

04 03 49 54.80 3.00BS 147.882E 19km
6.0mb (65 obs.) 6.5Msz (50 obs.)
BISMARCK SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 10 Dip=85 Slip= 175
NP2: 100 85 5
Principal Axes:

	Plg=	Azm=
T	7	325
P	0	235

Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 13 Focal mech. F
Energy 1.1±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 20
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	3.23	2	149
N	1.12	87	2
P	-4.35	1	239

Best Double Couple:Mo=3.8*10**18
NP1:Strike=284 Dip=87 Slip= 1
NP2: 194 89 177
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 95C M.W.: 26S, 60C
Centroid Location:
Origin Time 03:49:59.0 0.1
Lat 2.84S 0.01 Lon 148.37E 0.01
Dep 15.0 BDY Half-duration 6.6
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	5.41	11	331
N	-0.45	79	164
P	-4.96	2	62

Best Double Couple:Mo=5.2*10**18
NP1:Strike=107 Dip=81 Slip= 6
NP2: 16 84 171

04 11 57 53.04 31.726N 50.778E 18km
4.9mb (63 obs.) 4.6Msz (9 obs.)
NORTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 34C
Centroid Location:
Origin Time 11:57:59.6 0.9
Lat 31.64N FIX;Lon 50.71E FIX
Dep 33.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.97	13	78
N	1.51	76	244
P	-6.47	3	347

Best Double Couple:Mo=5.7*10**16
NP1:Strike=122 Dip=79 Slip= 173
NP2: 213 83 12

05 00 19 18.23 6.584S 130.451E 76km
5.1mb (23 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 33C
Centroid Location:
Origin Time 00:19:18.6 1.1
Lat 6.73S 0.08 Lon 130.41E 0.09
Dep 84.8 5.0 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.57 Plg=37 Azm=288
N 0.21 52 121
P -5.79 6 23
Best Double Couple:Mo=5.7*10**16
NP1:Strike= 72 Dip=60 Slip= 24
NP2: 330 70 148

05 08 55 05.60 11.513N 42.812E 7km
5.5mb (70 obs.) 6.2Msz (31 obs.)
ETHIOPIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 88C M.W.: 24S, 49C
Centroid Location:
Origin Time 08:55:13.1 0.2
Lat 11.75N 0.01 Lon 42.98E 0.01
Dep 15.5 1.0 Half-duration 5.3
Principal Axes:
Scale 10**18 Nm
T Val= 3.02 Plg=13 Azm=187
N -0.78 74 42
P -2.24 9 279
Best Double Couple:Mo=2.6*10**18
NP1:Strike=324 Dip=74 Slip= 3
NP2: 233 87 164

05 14 39 10.25 52.900N 159.619E 45km
6.3mb (127 obs.) 6.1Msz (43 obs.)
OFF EAST COAST OF KAMCHATKA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 40 Dip=65 Slip= 90
NP2: 220 25 90
Principal Axes:
T Plg=70 Azm=310
P 20 130
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 18 Focal mech C
Energy 5.0±1.0*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 45 No. of sta. 23
Principal Axes:
Scale 10**18 Nm
T Val= 4.26 Plg=73 Azm=263
N 0.00 13 41
P -4.26 11 134
Best Double Couple:Mo=4.3*10**18
NP1:Strike=239 Dip=36 Slip= 112
NP2: 33 57 75
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 98C M.W.: 21S, 41C
Centroid Location:
Origin Time 14:39:18.0 0.1
Lat 52.88N 0.01 Lon 160.17E 0.01
Dep 52.0 BDY Half-duration 5.8
Principal Axes:
Scale 10**18 Nm
T Val= 3.62 Plg=73 Azm=311
N 0.11 1 216
P -3.73 17 126
Best Double Couple:Mo=3.7*10**18
NP1:Strike=214 Dip=28 Slip= 87
NP2: 37 62 92

07 01 53 37.76 10.210N 84.323W 79km
6.2mb (93 obs.)
COSTA RICA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 80 Dip=80 Slip= 90
NP2: 260 10 90
Principal Axes:
T Plg=55 Azm=350
P 35 170
Comment The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta 14 Focal mech M
Energy 9.7±2.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 63 No. of sta. 16
Principal Axes.
Scale 10**18 Nm
T Val= 8.53 Plg=52 Azm=348
N -0.86 2 255
P -7.67 37 163
Best Double Couple:Mo=8.1*10**18
NP1:Strike=238 Dip= 8 Slip= 73
NP2: 75 82 92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, **C M.W.: 27S, 66C
Centroid Location:
Origin Time 01:53:45.9 0.1
Lat 10.23N 0.01 Lon 84.09W 0.01
Dep 72.9 0.9 Half-duration 7.0
Principal Axes:
Scale 10**18 Nm
T Val= 6.74 Plg=45 Azm=353
N -0.41 31 224
P -6.33 28 116
Best Double Couple:Mo=6.5*10**18
NP1:Strike=156 Dip=33 Slip= 18
NP2: 50 80 122

07 18 37 13.00 3.477S 146.316E 15km
5.5mb (45 obs.) 6.2Msz (28 obs.)
BISMARCK SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 92C M.W.: 29S, 52C
Centroid Location:
Origin Time 18:37:18.4 0.1
Lat 3.32S 0.01 Lon 146.85E 0.01
Dep 15.0 FIX Half-duration 4.8
Principal Axes:
Scale 10**18 Nm
T Val= 2.04 Plg= 3 Azm=120
N 0.16 86 325
P -2.20 1 210
Best Double Couple.Mo=2.1*10**18
NP1:Strike=255 Dip=87 Slip= 1
NP2: 165 89 177

08 03 43 04.40 40.228N 124.290W 13km
5.3mb (73 obs.) 5.3Msz (14 obs.)
NEAR COAST OF NORTHERN CALIF.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 52C
Centroid Location:
Origin Time 03:43: 9.9 0.3
Lat 40.25N 0.03 Lon 124.10W 0.05
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.51 Plg= 0 Azm=255
N 0.68 90 180
P -2.19 0 165
Best Double Couple:Mo=1.9*10**17
NP1:Strike=300 Dip=90 Slip=-180
NP2: 30 90 0

08 06 29 32.77 5.724S 150.215E 119km
5.4mb (35 obs.)
NEW BRITAIN REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 46C
Centroid Location:
Origin Time 06:29:34.3 0.4
Lat 5.62S 0.05 Lon 150.23E 0.03
Dep 81.3 3.2 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.79 Plg=42 Azm=156
N -0.05 14 52
P -1.74 44 308
Best Double Couple.Mo=1.8*10**17
NP1:Strike=318 Dip=15 Slip= -4
NP2: 52 89 -104

08 17 47 20.11 58.608S 148.911E 10km
5.3mb (21 obs.) 5.3Msz (5 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 52C
Centroid Location:
Origin Time 17:47:25.2 0.3
Lat 58.91S 0.04 Lon 148.07E 0.06
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.57 Plg=21 Azm= 29
N -0.32 69 213
P -2.25 1 120
Best Double Couple:Mo=2.4*10**17
NP1:Strike=166 Dip=74 Slip= 14
NP2: 73 76 164

09 07 44 05.97 12.581N 142.566E 26km
5.2mb (34 obs.) 5.0Msz (13 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 47C
Centroid Location:
Origin Time 07:44: 4.4 0.6
Lat 12.29N 0.05 Lon 142.64E 0.04
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.51 Plg= 5 Azm=341
N -0.26 6 72
P -1.24 82 215
Best Double Couple.Mo=1.4*10**17
NP1:Strike= 65 Dip=41 Slip=-100
NP2: 257 50 -82

11 08 36 44.71 52.970S 160.091E 33km
5.2mb (14 obs.)
MACQUARIE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 37C
Centroid Location:
Origin Time 08:36:51.7 1.0
Lat 52.85S 0.10 Lon 159.63E 0.14
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.24 Plg= 6 Azm=350
N -0.17 81 216
P -1.07 7 81
Best Double Couple.Mo=1.2*10**17
NP1:Strike=125 Dip=81 Slip= 0
NP2: 215 90 -171

11 19 42 59.21 3.438S 146.734E 28km
5.6mb (55 obs.) 6.1Msz (35 obs.)
BISMARCK SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 88C M.W.: 24S, 29C
Centroid Location:
Origin Time 19:43: 4.1 0.1
Lat 3.24S 0.01 Lon 147.08E 0.01
Dep 15.0 FIX Half-duration 4.5
Principal Axes:
Scale 10**18 Nm
T Val= 1.72 Plg= 2 Azm=130
N -0.04 88 317
P -1.68 0 220
Best Double Couple:Mo=1.7*10**18
NP1:Strike=265 Dip=88 Slip= 1
NP2: 175 89 178

12 00 03 42.21 52.970N 170.934E 24km
5.7mb (122 obs.) 4.8Msz (18 obs.)
NEAR ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 43C
Centroid Location:
Origin Time 00:03:43.5 0.7
Lat 52.76N 0.07 Lon 171.37E 0.12
Dep 18.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.70 Plg=63 Azm=343
N 0.33 1 75
P -2.03 27 165
Best Double Couple:Mo=1.9*10**17
NP1:Strike=257 Dip=18 Slip= 92
NP2: 74 72 89

12 05 18 51.57 32.400N 40.299W 10km
5.1mb (40 obs.) 4.7Msz (16 obs.)
NORTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B. 22S, 37C
Centroid Location:
Origin Time 05.18:55.4 0 6
Lat 32.45N 0.09 Lon 39.57W 0.10
Dep 15 0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.38	15	288
N	-0.59	5	197
P	-7.79	75	90

Best Double Couple:Mo=8.1*10**16
NP1:Strike= 25 Dip=31 Slip= -81
NP2: 195 60 -95

12 16 34 46.97 7 840S 13 635W 10km
5.1mb (20 obs.) 5.2Msz (3 obs.)
ASCENSION ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 41C
Centroid Location:
Origin Time 16:34:57.1 0.4
Lat 7.80S FIX;Lon 13.61W FIX
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.52	4	72
N	5.86	27	340
P	-14.38	62	169

Best Double Couple:Mo=1.1*10**17
NP1:Strike=188 Dip=47 Slip= -52
NP2: 318 55 -124

13 16 01 04.48 52.451N 178.945W 197km
5.9mb (148 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=307 Dip=80 Slip= -90
NP2: 127 10 -90
Principal Axes:

	Plg=	Azm=
T	35	37
P	55	217

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 15 Focal mech. C
Energy 1.6±0 4*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 200 No. of sta: 26
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	5.07	34	70
N	-0.04	21	325
P	-5.03	48	209

Best Double Couple:Mo=5.0*10**18
NP1:Strike=212 Dip=23 Slip= -21
NP2: 322 82 -111
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 36S, **C M.W.: 22S, 50C
Centroid Location:
Origin Time 16:01: 9.7 0.1
Lat 52.39N 0.01 Lon 178.96W 0.01
Dep 209.8 0.6 Half-duration 6.2
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	4.93	37	54
N	-0.22	15	312
P	-4.71	49	204

Best Double Couple:Mo=4.8*10**18
NP1:Strike=200 Dip=16 Slip= -21
NP2: 310 84 -105

13 17 18 39.98 39.710N 39.605E 27km
6.2mb (111 obs.) 6.8Msz (30 obs.)
TURKEY
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=277 Dip=90 Slip= 170
NP2: 7 80 360
Principal Axes:

	Plg=	Azm=
T	7	232
P	7	322

Comment: The focal mechanism is moderately well controlled and corresponds to left-lateral strike-slip faulting with a small normal component. The preferred fault plane is NP1
RADIATED ENERGY
No. of sta. 11 Focal mech F
Energy 7.0±1.7*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 18
Principal Axes
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.38	14	80
N	-0.10	76	275
P	-1.28	4	171

Best Double Couple:Mo=1.3*10**19
NP1:Strike=216 Dip=78 Slip= 7
NP2. 124 83 167
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 92C M.W : 30S, 75C
Centroid Location:
Origin Time 17:18:46.4 0.1
Lat 39.94N 0.01 Lon 39.57E 0.01
Dep 15.0 FIX Half-duration 8 4
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.23	7	78
N	-0.14	83	265
P	-1.08	1	168

Best Double Couple:Mo=1.2*10**19
NP1:Strike=213 Dip=85 Slip= 4
NP2: 123 86 175

15 01 01 27.17 23.548N 123.562E 31km
5.7mb (99 obs.) 6.0Msz (24 obs.)
SOUTHWESTERN RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 37C
Centroid Location:
Origin Time 01:01:28.5 0.4
Lat 23.69N 0.04 Lon 123.31E 0.03
Dep 21.1 2.7 Half-duration 3.5
Principal Axes.
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	7.18	7	348
N	-0.28	57	247
P	-6.90	32	82

Best Double Couple.Mo=7 0*10**17
NP1:Strike=120 Dip=63 Slip= -19
NP2: 219 73 -151

15 16 16 24.24 39.532N 39.929E 21km
5.5mb (108 obs.) 5 8Msz (31 obs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 51C
Centroid Location:
Origin Time 16:16:28.8 0.2
Lat 39.52N 0.02 Lon 39 84E 0.03
Dep 15.0 BDY Half-duration 3 1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.56	24	283
N	2.06	65	115
P	-8.63	5	15

Best Double Couple:Mo=7.6*10**17
NP1:Strike= 61 Dip=70 Slip= 14
NP2: 326 77 159

15 19 21 54.53 39.60 S 15.32 W 10km
5.3mb (16 obs.) 4.6Msz (3 obs.)
TRISTAN DA CUNHA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 21C
Centroid Location:
Origin Time 19:22: 2.2 0.9
Lat 39.37S 0.17 Lon 15.79W 0.14
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.45	13	101
N	1.90	11	9
P	-8.34	73	241

Best Double Couple:Mo=7.4*10**16
NP1.Strike=205 Dip=33 Slip= -71
NP2: 2 59 -102

16 04 43 48.76 23.966S 177.312W 33km
5.3mb (16 obs.) 5.2Msz (7 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 29S, 57C
Centroid Location:
Origin Time 04:43:50.8 0.5
Lat 24.01S 0.07 Lon 177.11W 0.04
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.52	10	118
N	-0.19	7	26
P	-2.33	78	262

Best Double Couple:Mo=2.4*10**17
NP1:Strike=216 Dip=35 Slip= -78
NP2: 22 55 -98

16 23 21 33.39 35.406S 178.528E 181km
5.4mb (17 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 49C
Centroid Location:
Origin Time 23:21:35.3 0.5
Lat 34.87S 0.06 Lon 178 84E 0.06
Dep 162.5 1.5 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.53	16	127
N	-0.15	5	35
P	-1.38	73	287

Best Double Couple:Mo=1.5*10**17
NP1:Strike=224 Dip=30 Slip= -79
NP2: 32 61 -96

17 00 38 09 38 18.394S 167.732E 33km
5 3mb (21 obs.) 4.9Msz (14 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 46C
Centroid Location:
Origin Time 00:38:14.4 0.6
Lat 17.95S 0.07 Lon 167.21E 0.04
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.63	0	263
N	-1.17	9	173
P	-7.47	90	180

Best Double Couple:Mo=8.1*10**16
NP1:Strike=353 Dip=45 Slip= -90
NP2: 173 45 -90

17 02 14 49.64 9.216N 92.833E 67km
4.8mb (51 obs.)
NICOBAR ISLANDS, INDIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 15S, 19C
Centroid Location:
Origin Time 02:14:44.2 1.3
Lat 8.87N 0.10 Lon 93.30E 0.11
Dep 60.8 8.4 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.41	14	90
N	-0.66	71	314
P	-4.75	13	183

Best Double Couple.Mo=5.1*10**16
NP1:Strike=227 Dip=71 Slip= 1
NP2: 137 89 161

17 06 44 02.29 14.459N 92.867W 60km
5.0mb (54 obs.)
NEAR COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 54C
Centroid Location:
Origin Time 06:44: 2.4 0.3
Lat 14.33N 0.03 Lon 93.11W 0.04
Dep 29.7 2.1 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.81	69	10
N	-0.12	10	127
P	-1.69	18	221

Best Double Couple:Mo=1.8*10**17
NP1:Strike=326 Dip=28 Slip= 111
NP2: 123 64 79

17 10 51 22.14 7.445S 124.732E 387km
4.9mb (41 obs.)

BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 27C
Centroid Location:
Origin Time 10:51:23.6 1.0
Lat 7.20S 0.09 Lon 125.05E 0.14
Dep 372.0 4.8 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.72	18	178
N	0.85	41	284
P	-5.57	44	76

Best Double Couple:Mo=5.2*10**16
NP1:Strike=225 Dip=45 Slip=-157
NP2: 118 74 -47

17 15 10 12.95 10 432S 74.608W 30km
5.1mb (38 obs.)
CENTRAL PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 40C
Centroid Location:
Origin Time 15:10:20.7 0.4
Lat 10.12S 0.04 Lon 74.43W 0.05
Dep 137.7 1.5 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.30	16	48
N	0.27	73	249
P	-1.56	6	140

Best Double Couple:Mo=1.4*10**17
NP1:Strike=185 Dip=75 Slip= 7
NP2: 93 83 165

18 00 34 28.04 6.731S 154.981E 25km
5.2mb (21 obs) 4.8Msz (12 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 41C
Centroid Location:
Origin Time 00:34:33.8 0.5
Lat 6.75S FIX;Lon 154.99E FIX
Dep 29.7 3.8 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.78	63	14
N	0.26	8	120
P	-10.04	25	214

Best Double Couple:Mo=9.9*10**16
NP1:Strike=321 Dip=21 Slip= 113
NP2: 117 71 82

18 02 37 09.00 4.109S 142.755E 121km
5.1mb (36 obs)
NEW GUINEA, PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 33C
Centroid Location:
Origin Time 02:37:12.9 1.0
Lat 3.89S 0.13 Lon 142.71E 0.10
Dep 128.0 4.2 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.26	48	352
N	-1.62	16	244
P	-4.64	37	141

Best Double Couple:Mo=5.4*10**16
NP1:Strike=175 Dip=17 Slip= 21
NP2: 65 84 106

18 07 27 52.93 6.855S 154.962E 37km
5.1mb (14 obs.) 4.7Msz (9 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 37C
Centroid Location:
Origin Time 07:28: 0.6 1.7
Lat 6.48S 0.16 Lon 155.13E 0.09
Dep 24.3 5.9 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.36	62	17
N	0.40	7	120
P	-6.75	27	213

Best Double Couple:Mo=6.6*10**16
NP1:Strike=319 Dip=19 Slip= 110
NP2: 117 72 83

18 08 26 05.71 6.780S 154.935E 40km
5.4mb (27 obs.) 5.0Msz (13 obs)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L.P.B.: 27S, 46C
Centroid Location
Origin Time 08:26: 9.2 1.5
Lat 7.05S 0.13 Lon 155.11E 0.07
Dep 34.2 4.3 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.57	69	76
N	2.01	11	315
P	-12.58	18	221

Best Double Couple:Mo=1.2*10**17
NP1:Strike=294 Dip=29 Slip= 66
NP2: 141 64 103

19 06 34 25.86 17.155N 120.827E 15km
5.7mb (98 obs.) 6.0Msz (36 obs.)
LUZON, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=182 Dip=77 Slip= 25
NP2: 86 66 166
Principal Axes:

	Plg=	Azm=
T	27	46
P	8	312

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 20 No. of sta: 5
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	3.06	26	29
N	0.00	53	160
P	-3.05	24	286

Best Double Couple:Mo=3.1*10**18
NP1:Strike= 67 Dip=53 Slip= 178
NP2: 158 89 37
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 78C M.W.: 17S, 24C
Centroid Location:
Origin Time 06:34:29.2 0.4
Lat 17.23N 0.03 Lon 121.32E 0.02
Dep 15.0 BDY Half-duration 4.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	13.81	22	201
N	-1.05	40	91
P	-12.77	41	312

Best Double Couple:Mo=1.3*10**18
NP1:Strike=338 Dip=43 Slip= -17
NP2: 80 78 -131

19 10 05 50.35 15.50 S 176.70 W 33km
4.8mb (11 obs.) 4.9Msz (6 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 35C
Centroid Location:
Origin Time 10:05:48.8 0.8
Lat 15.49S FIX;Lon 176.73W FIX
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	12.46	28	31
N	-3.65	59	185
P	-8.81	12	295

Best Double Couple:Mo=1.1*10**17
NP1:Strike= 70 Dip=61 Slip= 167
NP2: 166 79 29

20 05 37 23.97 36.662N 24.520E 14km
4.9mb (63 obs.) 5.0Msz (10 obs.)
SOUTHERN GREECE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 35C
Centroid Location:
Origin Time 05:37:29.4 1.0
Lat 36.85N 0.06 Lon 24.16E 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.05	0	203
N	-0.60	0	113
P	-6.45	90	180

Best Double Couple:Mo=6.8*10**16
NP1:Strike=293 Dip=45 Slip= -90
NP2: 113 45 -90

20 17 16 24.34 13.719N 90.851W 61km
5.1mb (43 obs.)
NEAR COAST OF GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 44C
Centroid Location:
Origin Time 17:16:25.7 0.4
Lat 13.56N 0.03 Lon 90.97W 0.05
Dep 74.1 3.9 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	12.33	25	14
N	0.61	29	119
P	-12.95	50	251

Best Double Couple:Mo=1.3*10**17
NP1:Strike= 60 Dip=33 Slip=-153
NP2: 307 76 -60

20 18 45 09.65 56.427S 27.121W 105km
5.8mb (33 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 26S, 45C M.W.: 25, 2C
Centroid Location:
Origin Time 18:45:14.3 0.3
Lat 56.28S 0.04 Lon 26.18W 0.04
Dep 88.2 1.9 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.69	68	167
N	0.00	21	325
P	-1.69	8	58

Best Double Couple:Mo=1.7*10**17
NP1:Strike=170 Dip=41 Slip= 122
NP2: 310 56 65

21 20 45 56.79 52.902N 171.402E 33km
5.4mb (105 obs.) 4.8Msz (9 obs.)
NEAR ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 34C
Centroid Location:
Origin Time 20:45:59.4 1.4
Lat 53.03N 0.12 Lon 171.72E 0.17
Dep 35.3 7.5 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.46	57	311
N	0.60	13	63
P	-7.07	29	160

Best Double Couple:Mo=6.8*10**16
NP1:Strike=283 Dip=20 Slip= 132
NP2: 59 76 77

22 19 25 08.15 42.669S 18.507W 10km
5.6mb (29 obs.) 5.3Msz (22 obs.)
SOUTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 41C
Centroid Location:
Origin Time 19:25:14.1 0.4
Lat 42.55S 0.04 Lon 18.11W 0.06
Dep 15.0 FIX Half-duration 3.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.99	4	352
N	-1.65	66	90
P	-4.34	24	260

Best Double Couple:Mo=5.2*10**17
NP1:Strike= 39 Dip=71 Slip=-165
NP2: 304 76 -20

24 17 19 30.41 7.751S 117.464E 280km
5.5mb (70 obs.)
BALI SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 56C
Centroid Location:
Origin Time 17:19:36.4 0.4
Lat 7.66S 0.03 Lon 117.71E 0.04
Dep 279.7 1.5 Half-duration 2.6
Principal Axes:

Scale 10**17 Nm
T Val= 3.51 Plg=78 Azm=346
N -0.43 3 91
P -3.07 11 182
Best Double Couple:Mo=3.3*10**17
NP1:Strike=276 Dip=34 Slip= 96
NP2: 89 56 86

24 18 20 12.87 55.506S 124.357W 10km
5.1mb (5 obs.) 5.5Msz (14 obs.)
SOUTHERN EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 32S, 80C
Centroid Locotion:
Origin Time 18:20:24.9 0.2
Lat 55.48S 0.02 Lon 124.48W 0.03
Dep 15.0 FIX Half-durotion 3.8
Principal Axes:
Scole 10**17 Nm
T Vol= 12.05 Plg= 4 Azm=334
N -0.45 84 202
P -11.60 5 64
Best Double Couple:Mo=1.2*10**18
NP1:Strike=109 Dip=84 Slip= 0
NP2: 199 90 -174

24 22 47 06.68 3.613N 127.008E 53km
5.6mb (58 obs.)
TALAUD ISLANDS, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 31S, 76C
Centroid Location:
Origin Time 22:47: 7.2 0.3
Lat 3.22N 0.03 Lon 126.96E 0.05
Dep 19.0 BDY Holf-durotion 3.5
Principol Axes:
Scale 10**17 Nm
T Val= 10.09 Plg=50 Azm=253
N -0.54 3 347
P -9.55 40 79
Best Double Couple:Mo=9.8*10**17
NP1:Strike=197 Dip= 6 Slip= 121
NP2: 346 85 87

25 17 15 37.65 24.455N 123.318E 78km
5.4mb (94 obs.)
SOUTHWESTERN RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 14S, 22C
Centroid Locotion:
Origin Time 17:15:38.0 1.7
Lot 24.09N 0.16 Lon 123.43E 0.09
Dep 91.7 8.8 Half-durotion 1.4
Principol Axes:
Scale 10**16 Nm
T Val= 3.50 Plg=58 Azm=326
N -0.60 26 185
P -2.90 17 86
Best Double Couple:Mo=3.2*10**16
NP1:Strike=143 Dip=36 Slip= 42
NP2: 17 67 118

25 17 27 36.82 37.703S 176.973E 33km
5.5mb (20 obs.) 5.3Msz (2 obs.)
NORTH ISLAND, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 31S, 64C
Centroid Location:
Origin Time 17:27:36.6 0.3
Lot 37.35S 0.04 Lon 177.19E 0.05
Dep 15.0 FIX Half-duration 2.7
Principol Axes:
Scale 10**17 Nm
T Val= 2.70 Plg= 6 Azm=124
N -0.15 57 223
P -2.55 33 30
Best Double Couple:Mo=2.6*10**17
NP1:Strike=172 Dip=63 Slip=-160
NP2: 73 72 -29

25 21 41 24.71 54.699N 159.435E 136km
5.1mb (100 obs.)
NEAR EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 30S, 65C
Centroid Locotion:
Origin Time 21:41:30.2 0.3
Lat 54.74N 0.04 Lon 159.48E 0.05
Dep 143.0 2.1 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.81 Plg=40 Azm=150
N 0.35 31 30
P -2.16 34 276
Best Double Couple:Mo=2.0*10**17
NP1:Strike=308 Dip=31 Slip= 7
NP2: 212 87 121

25 22 32 34.85 24.874N 95.231E 106km
5.3mb (91 obs.)
MYANMAR
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 17S, 28C
Centroid Location:
Origin Time 22:32:34.2 1.0
Lot 24.18N 0.07 Lon 95.20E 0.07
Dep 119.7 4.3 Holf-durotion 1.4
Principal Axes:
Scole 10**16 Nm
T Val= 5.69 Plg=59 Azm= 85
N 1.68 21 315
P -7.37 22 216
Best Double Couple:Mo=6.5*10**16
NP1:Strike=272 Dip=30 Slip= 43
NP2: 143 70 113

26 13 27 39.59 7.099S 124.195E 611km
5.0mb (41 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 22S, 35C
Centroid Locotion:
Origin Time 13:27:41.4 0.7
Lot 7.19S 0.08 Lon 124.44E 0.07
Dep 607.1 4.8 Holf-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 7.38 Plg= 1 Azm=298
N -0.26 8 207
P -7.12 82 37
Best Double Couple:Mo=7.2*10**16
NP1:Strike= 36 Dip=44 Slip= -79
NP2: 200 47 -101

26 14 14 11.98 51.222N 179.723W 33km
5.9mb (106 obs.) 5.6Msz (38 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 63 Dip=75 Slip= 90
NP2: 243 15 90
Principol Axes:
T Plg=60 Azm=333
P 30 153
Comment: The focol mechonism is poorly controlled ond corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 16 Focol mech. F
Energy 6.4±1.2*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 16 No. of sta: 24
Princ.pal Axes:
Scale 10**17 Nm
T Val= 8.05 Plg=56 Azm=327
N 1.19 3 61
P -9.25 34 153
Best Double Couple:Mo=8.7*10**17
NP1:Strike=256 Dip=12 Slip= 105
NP2: 61 79 87
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 33S, 81C
Centroid Location:
Origin Time 14:14:15.0 0.2
Lot 51.24N 0.02 Lon 179.39W 0.04
Dep 15.0 FIX Half-durotion 3.3
Principal Axes:
Scale 10**17 Nm
T Val= 9.43 Plg=59 Azm=314
N 0.34 8 57
P -9.77 29 152
Best Double Couple:Mo=9.6*10**17
NP1:Strike=263 Dip=17 Slip= 117
NP2: 55 75 82

27 00 05 20.15 20.927N 94.586E 97km
5.4mb (111 obs.)
MYANMAR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 59C
Centroid Locotian:
Origin Time 00:05:25.3 0.3
Lat 21.12N 0.03 Lon 94.52E 0.03
Dep 86.2 3.9 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.01 Plg=33 Azm= 65
N -0.49 1 334
P -2.52 57 242
Best Double Couple:Mo=2.8*10**17
NP1:Strike=159 Dip=12 Slip= -85
NP2: 334 78 -91

27 13 23 04.15 52.875N 173.988W 182km
5.3mb (84 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 58C
Centraid Location:
Origin Time 13:23: 6.3 0.4
Lat 52.80N 0.06 Lon 174.12W 0.06
Dep 184.7 2.2 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.83 Plg=44 Azm= 46
N -0.13 23 292
P -1.70 38 183
Best Double Couple:Mo=1.8*10**17
NP1:Strike=211 Dip=23 Slip= 8
NP2: 114 87 113

27 20 28 14.72 47.863N 147.128E 454km
5.5mb (137 obs.)
NORTHWEST OF KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 70C
Centroid Locotian:
Origin Time 20:28:19.7 0.2
Lat 48.01N 0.03 Lon 147.07E 0.03
Dep 450.6 1.5 Half-durotion 2.4
Principal Axes:
Scole 10**17 Nm
T Val= 3.19 Plg=68 Azm= 23
N 0.31 20 178
P -3.50 9 271
Best Double Couple:Mo=3.3*10**17
NP1:Strike= 23 Dip=40 Slip= 122
NP2: 164 57 66

28 01 59 33.06 32.108S 178.793W 33km
5.4mb (36 obs.) 4.6Msz (2 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 50C
Centroid Locotian:
Origin Time 01:59:38.7 0.6
Lat 32.08S 0.09 Lon 178.56W 0.07
Dep 15.0 FIX Half-duratian 1.4
Principol Axes:
Scale 10**16 Nm
T Val= 8.96 Plg=68 Azm=283
N 0.46 1 189
P -9.42 22 99
Best Double Cauple:Mo=9.2*10**16
NP1:Strike=186 Dip=23 Slip= 86
NP2: 10 67 92

28 04 48 21.82 22.007S 176.256W 142km
5.2mb (30 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 40C
Centraid Location:
Origin Time 04:48:27.8 0.5
Lat 21.79S 0.05 Lon 176.06W 0.04
Dep 157.0 1.5 Half-durotian 1.8
Principol Axes:
Scole 10**17 Nm
T Val= 1.39 Plg=21 Azm=127
N 0.11 30 24
P -1.50 52 246
Best Double Couple:Mo=1.5*10**17
NP1:Strike=257 Dip=36 Slip= -31
NP2: 13 72 -122

28 10 17 41.84 26.582N 67.303E 10km
4.9mb (56 obs.) 4.3Msz (8 obs.)
PAKISTAN
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 17S, 29C
Centroid Location:
Origin Time 10:17:45.1 0.9
Lot 26.75N 0.16 Lon 67.36E 0.12
Dep 15.0 FIX Half-durotion 1.3
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	2.83	78	90
N	0.35	0	182
P	-3.18	12	272

Best Double Couple:Mo=3.0*10**16

	Strike=	Dip=	Slip=
NP1:	3	33	91
NP2:	182	57	89

29 13 00 42.92 27.207N 142.599E 35km
5.4mb (77 obs.) 5.1Msz (11 obs.)
BONIN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 25S, 45C
Centroid Location:
Origin Time 13:00:44.1 0.6
Lot 27.13N 0.08 Lon 142.43E 0.04
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.80	0	102
N	-1.77	0	12
P	-6.02	90	180

Best Double Couple:Mo=6.9*10**16

	Strike=	Dip=	Slip=
NP1:	192	45	-90
NP2:	12	45	-90

29 13 11 17.39 16.969S 173.542W 65km
5.3mb (50 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 28S, 60C
Centroid Location:
Origin Time 13:11:26.1 0.4
Lot 16.52S 0.05 Lon 172.90W 0.04
Dep 68.1 2.7 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.77	65	232
N	0.38	14	355
P	-2.15	20	90

Best Double Couple:Mo=2.0*10**17

	Strike=	Dip=	Slip=
NP1:	202	28	121
NP2:	348	66	75

29 15 10 46.40 17.737S 115.947W 10km
5.2mb (19 obs.)
SOUTHERN EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 21S, 35C
Centroid Location:
Origin Time 15:10:53.0 1.5
Lot 18.23S 0.11 Lon 116.51W 0.08
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.18	0	169
N	-2.11	0	79
P	-4.07	90	180

Best Double Couple:Mo=5.1*10**16

	Strike=	Dip=	Slip=
NP1:	259	45	-90
NP2:	79	45	-90

29 17 40 09.48 3.412N 31.547W 10km
5.3mb (32 obs.) 4.9Msz (8 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 29S, 53C
Centroid Location:
Origin Time 17:40:12.5 0.5
Lot 3.41N 0.05 Lon 31.24W 0.05
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	0.86	11	239
N	0.44	20	145
P	-1.30	67	355

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

	Strike=	Dip=	Slip=
NP1:	353	39	-56
NP2:	132	59	-114

30 06 09 42.44 30.179S 177.655W 32km
5.3mb (19 obs.)
KERMADEC ISLANDS, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 24S, 41C
Centroid Location:
Origin Time 06:09:40.3 1.3
Lot 30.56S 0.10 Lon 177.38W 0.12
Dep 50.8 4.6 Half-durotian 2.9
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.30	65	286
N	1.56	22	137
P	-9.86	12	43

Best Double Couple:Mo=9.1*10**16

	Strike=	Dip=	Slip=
NP1:	107	38	53
NP2:	331	60	115

30 07 02 51.99 43.151S 171.3B6E 12km
5.7mb (39 obs.) 5.1Msz (3 obs.)
SOUTH ISLAND, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 28S, 57C
Centroid Location:
Origin Time 07:02:56.1 0.4
Lot 43.01S 0.06 Lon 171.61E 0.08
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.72	57	97
N	0.61	13	208
P	-2.33	30	306

Best Double Couple:Mo=2.0*10**17

	Strike=	Dip=	Slip=
NP1:	70	19	134
NP2:	205	76	77

30 12 16 09.21 18.453N 145.590E 207km
4.9mb (44 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 23S, 37C
Centroid Location:
Origin Time 12:16:14.2 1.1
Lot 18.63N 0.13 Lon 145.80E 0.08
Dep 203.5 4.0 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.87	39	216
N	-1.40	48	64
P	-6.47	14	318

Best Double Couple:Mo=7.2*10**16

	Strike=	Dip=	Slip=
NP1:	5	52	20
NP2:	262	74	140

30 18 09 44.89 17.793S 116.107W 10km
5.7mb (36 obs.) 5.3Msz (20 obs.)
SOUTHERN EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 32S, 79C
Centroid Location:
Origin Time 18:09:50.2 0.3
Lot 18.27S 0.02 Lon 116.19W 0.02
Dep 15.0 FIX Half-duration 3.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	8.18	0	195
N	1.40	0	105
P	-9.58	90	180

Best Double Couple:Mo=8.9*10**17

	Strike=	Dip=	Slip=
NP1:	285	45	-90
NP2:	105	45	-90

30 20 45 38.87 42.862N 145.169E 41km
5.7mb (120 obs) 4.9Msz (15 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 28S, 47C
Centroid Location:
Origin Time 20:45:42.9 0.4
Lot 42.49N 0.05 Lon 145.33E 0.05
Dep 46.2 2.9 Half-duration 2.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	13.94	56	240
N	0.37	31	37
P	-14.31	11	133

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

	Strike=	Dip=	Slip=
NP1:	256	44	139
NP2:	18	63	54

31 03 32 02.57 49 872S 113.744W 10km
5.2mb (12 obs.) 5.9Msz (20 obs.)
SOUTHERN EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 27S, 69C M.W.: 22S, 39C
Centroid Location:
Origin Time 03:32:14.8 0.2
Lat 50.04S 0.01 Lon 114.75W 0.02
Dep 15.0 FIX Half-duration 5.3
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	3.16	15	325
N	0.17	58	211
P	-3.33	28	63

Best Double Couple:Mo=3.2*10**18

	Strike=	Dip=	Slip=
NP1:	101	59	-10
NP2:	197	81	-149

31 20 56 37.70 17.469N 101.119W 48km
5.2mb (49 obs.) 5.1Msz (10 obs.)
NEAR COAST OF GUERRERO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 28S, 53C
Centroid Location:
Origin Time 20:56:40.8 0.4
Lot 16.99N 0.04 Lon 100.65W 0.04
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

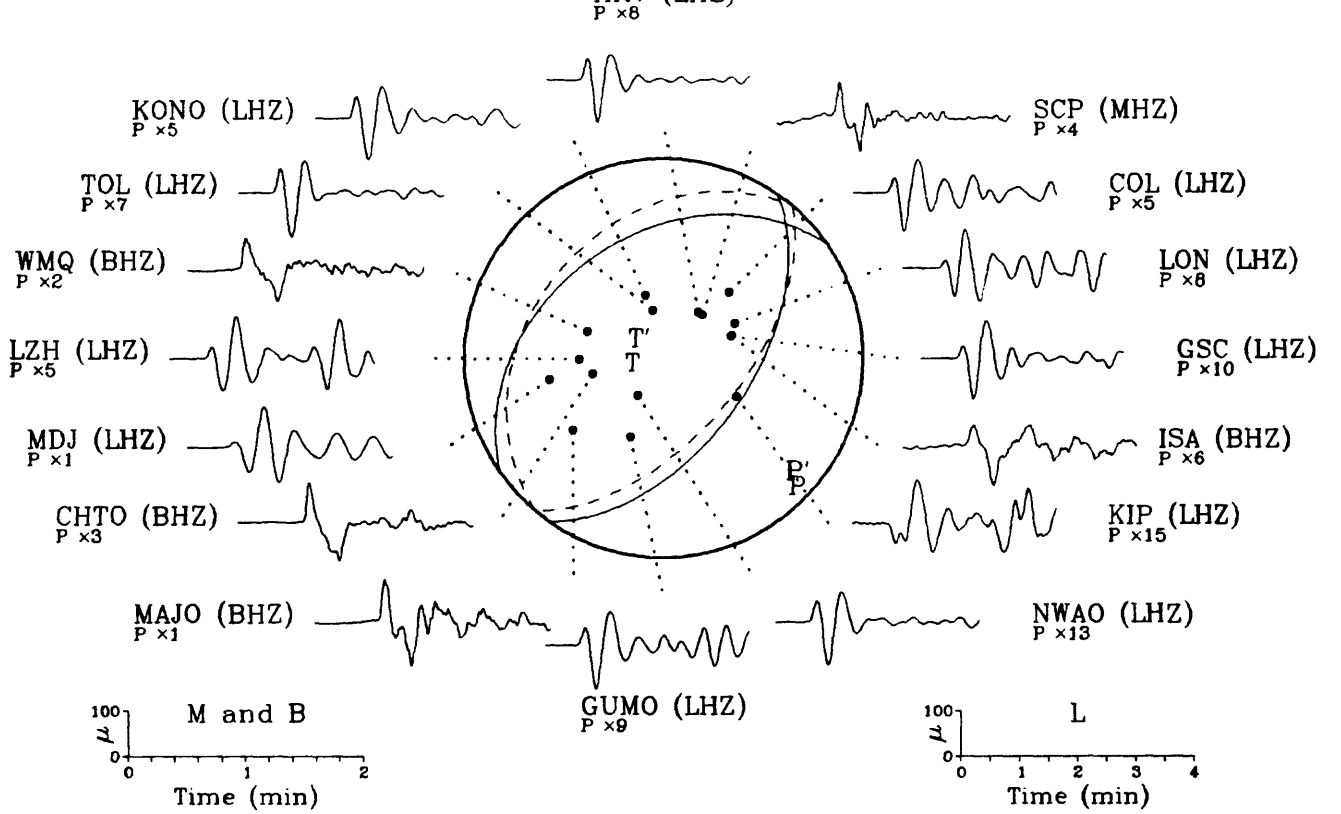
	Val=	Plg=	Azm=
T	1.56	72	121
N	-0.02	18	287
P	-1.54	4	18

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

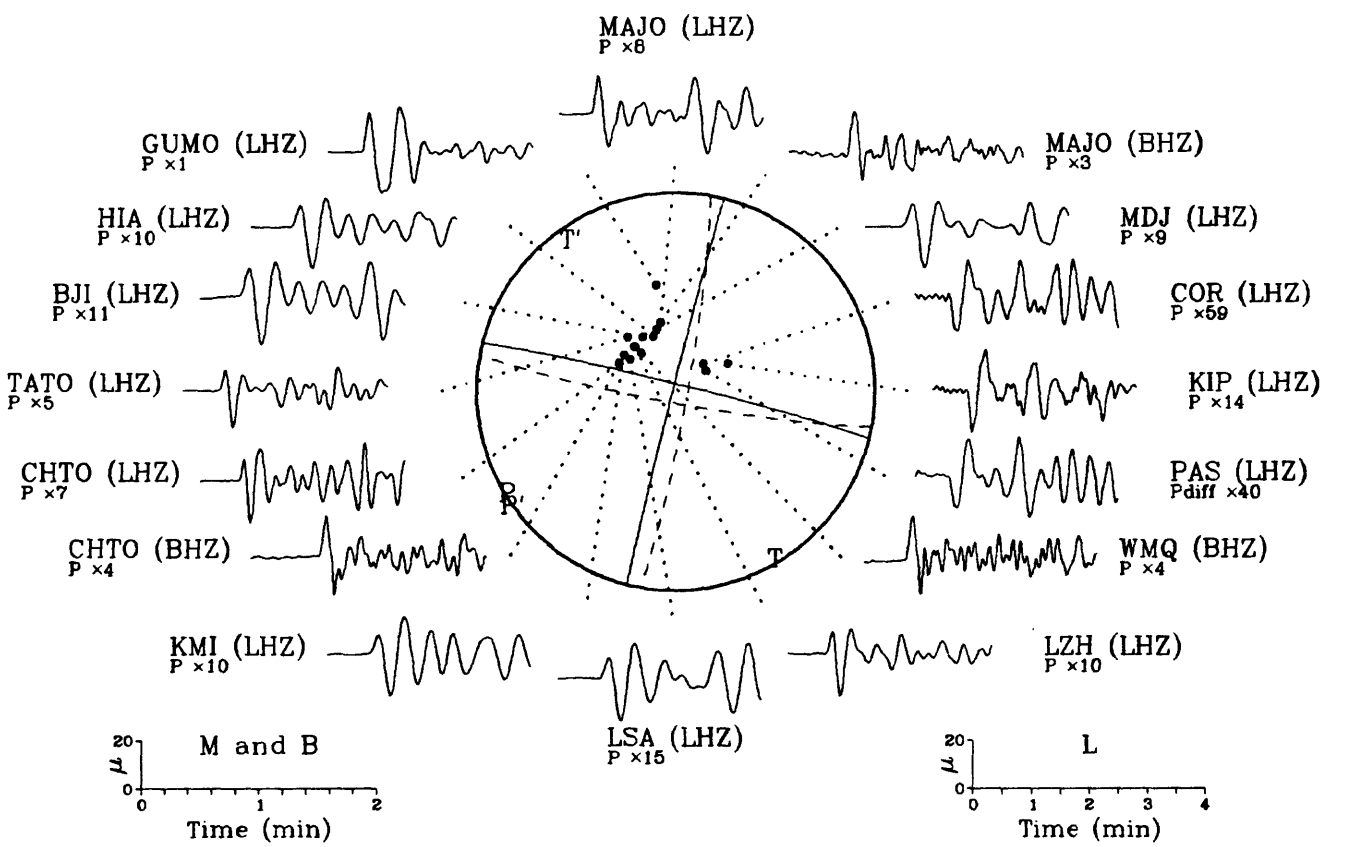
	Strike=	Dip=	Slip=
NP1:	126	44	116
NP2:	272	52	67

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

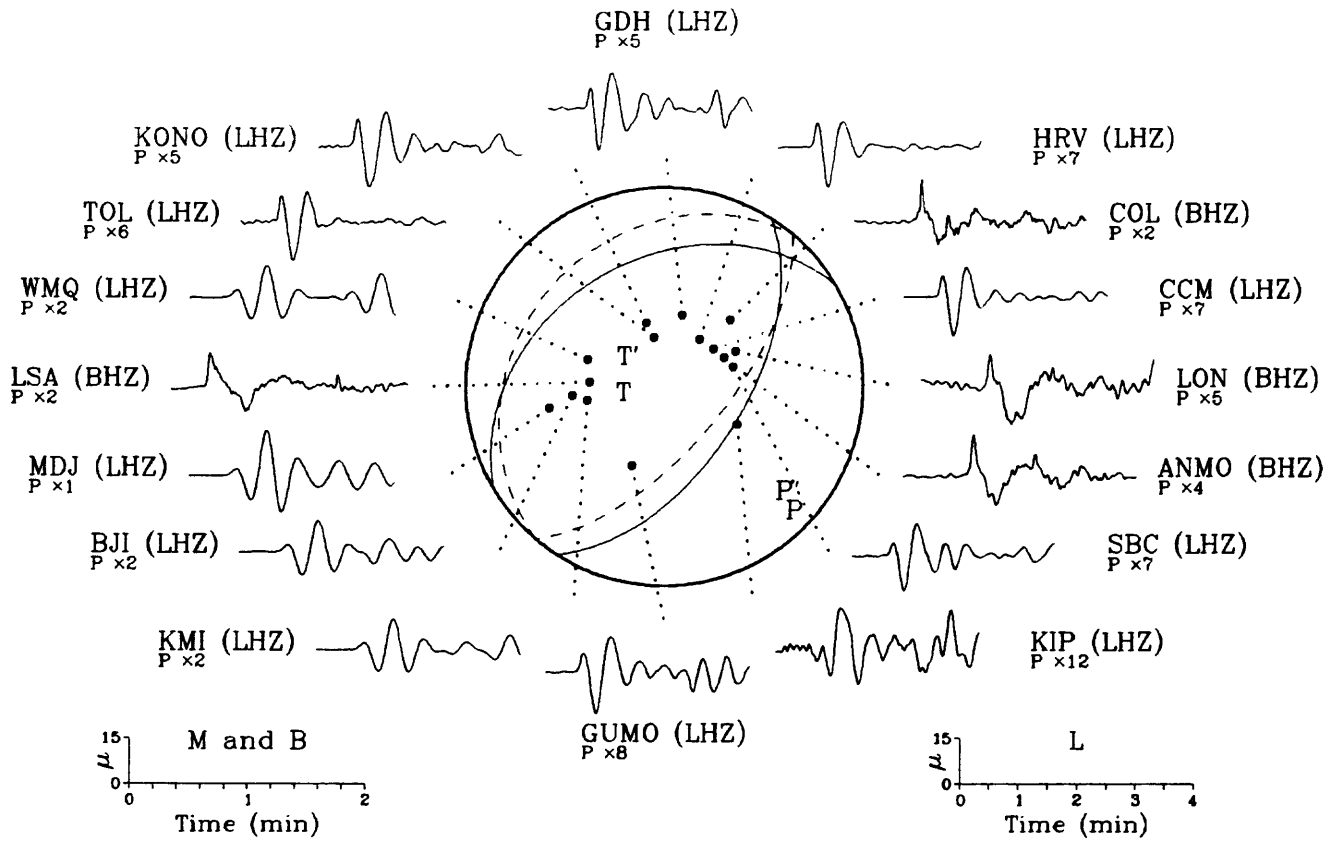
02 March 1992 12:29:39.59
Off East Coast of Kamchatka



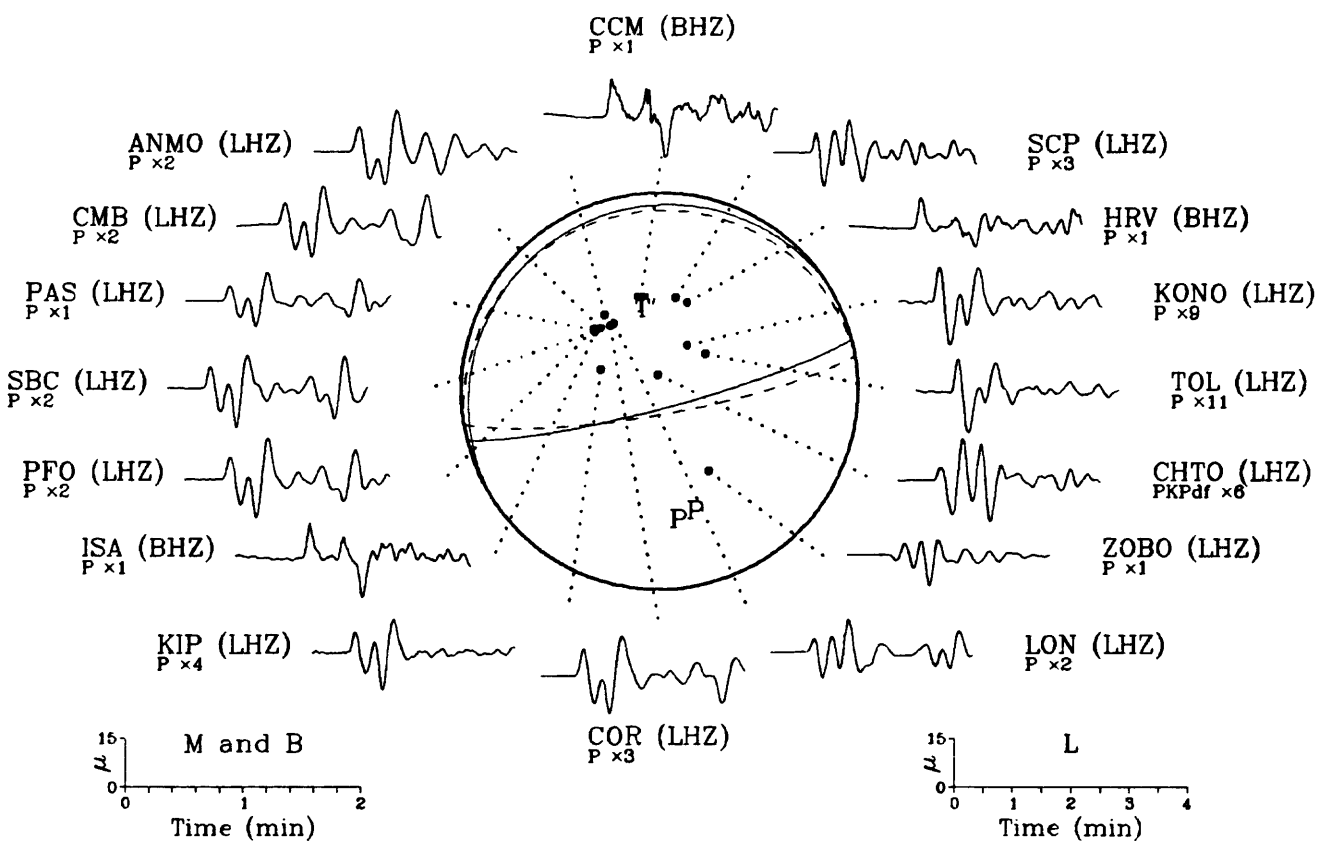
04 March 1992 03:49:54.80
Bismarck Sea



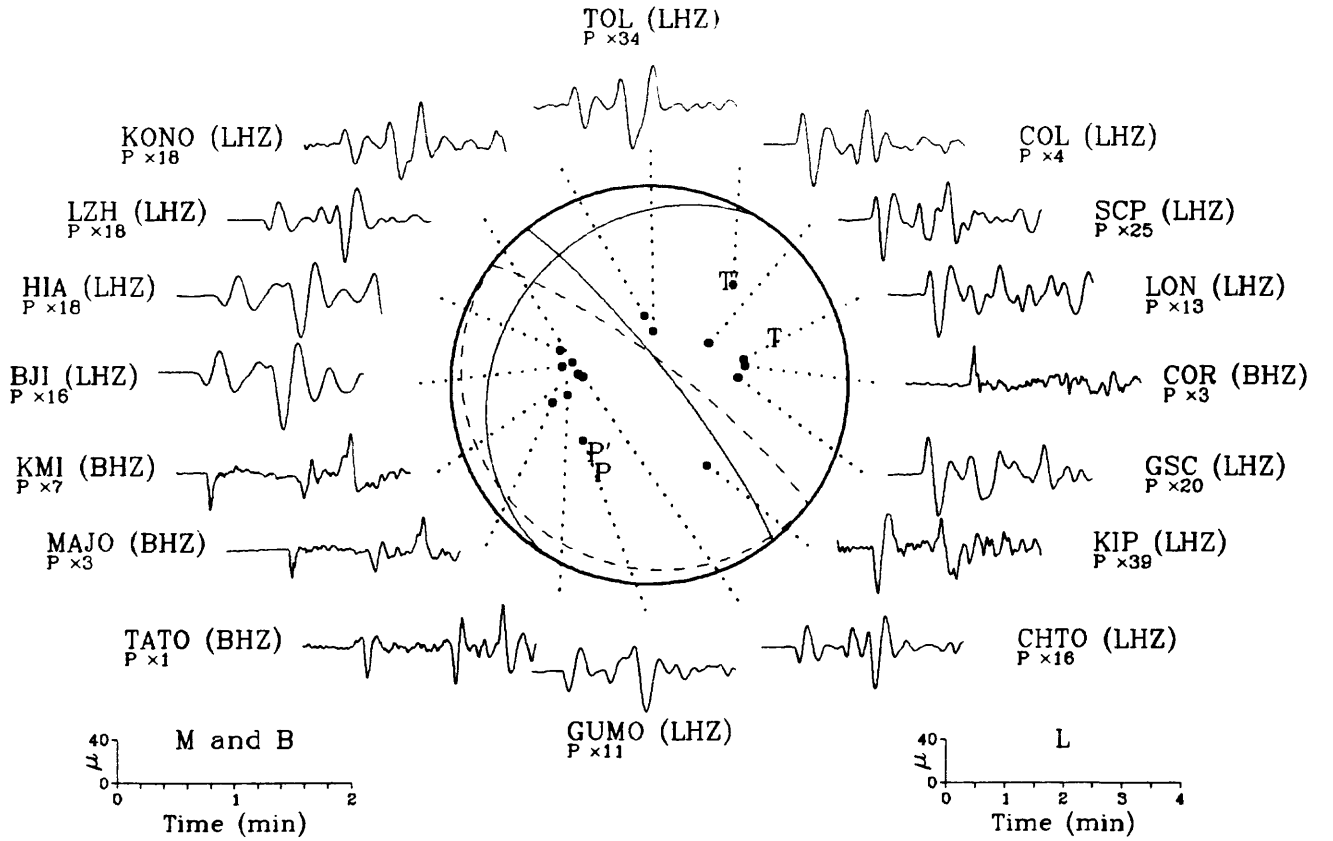
05 March 1992 14:39:10.25
Off East Coast of Kamchatka



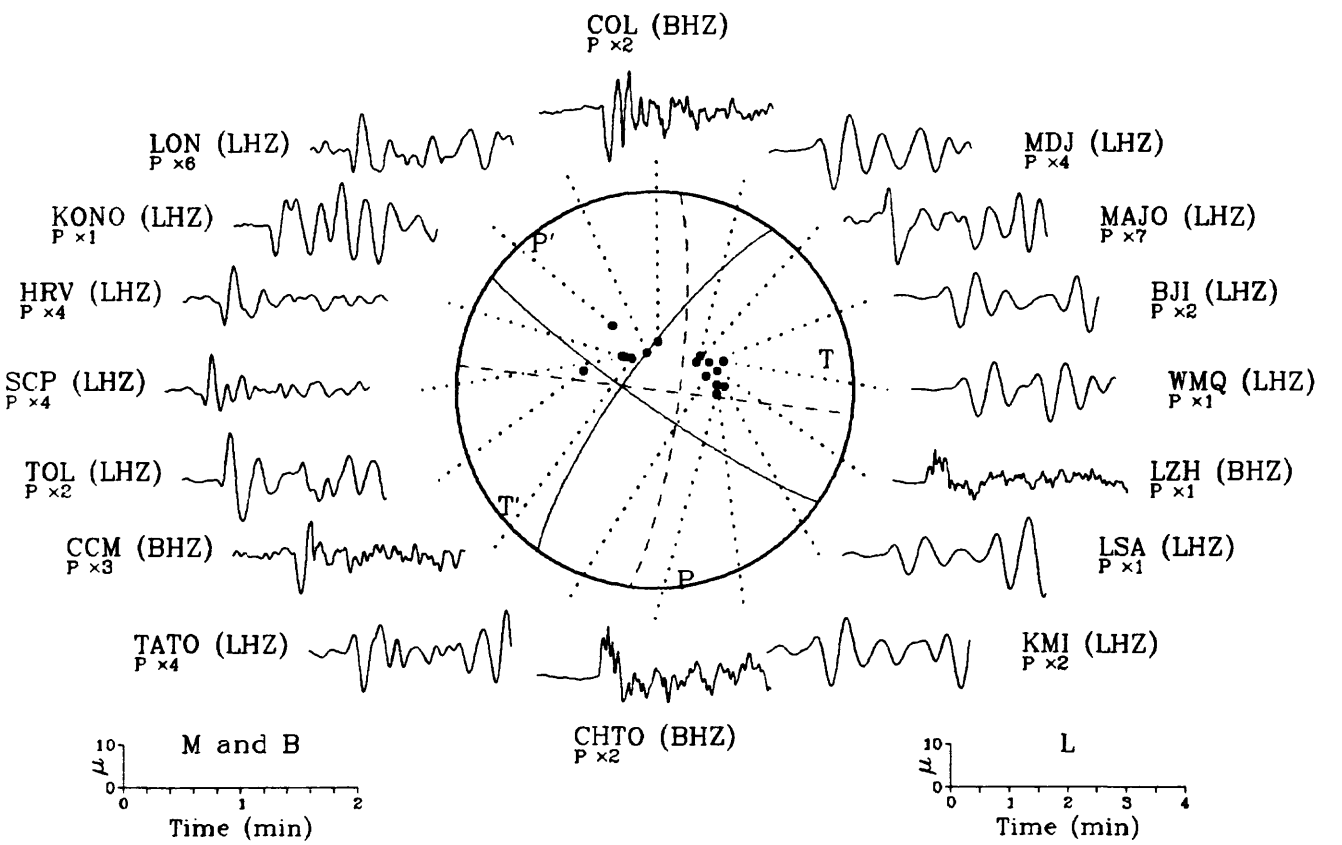
07 March 1992 01:53:37.76
Costa Rica



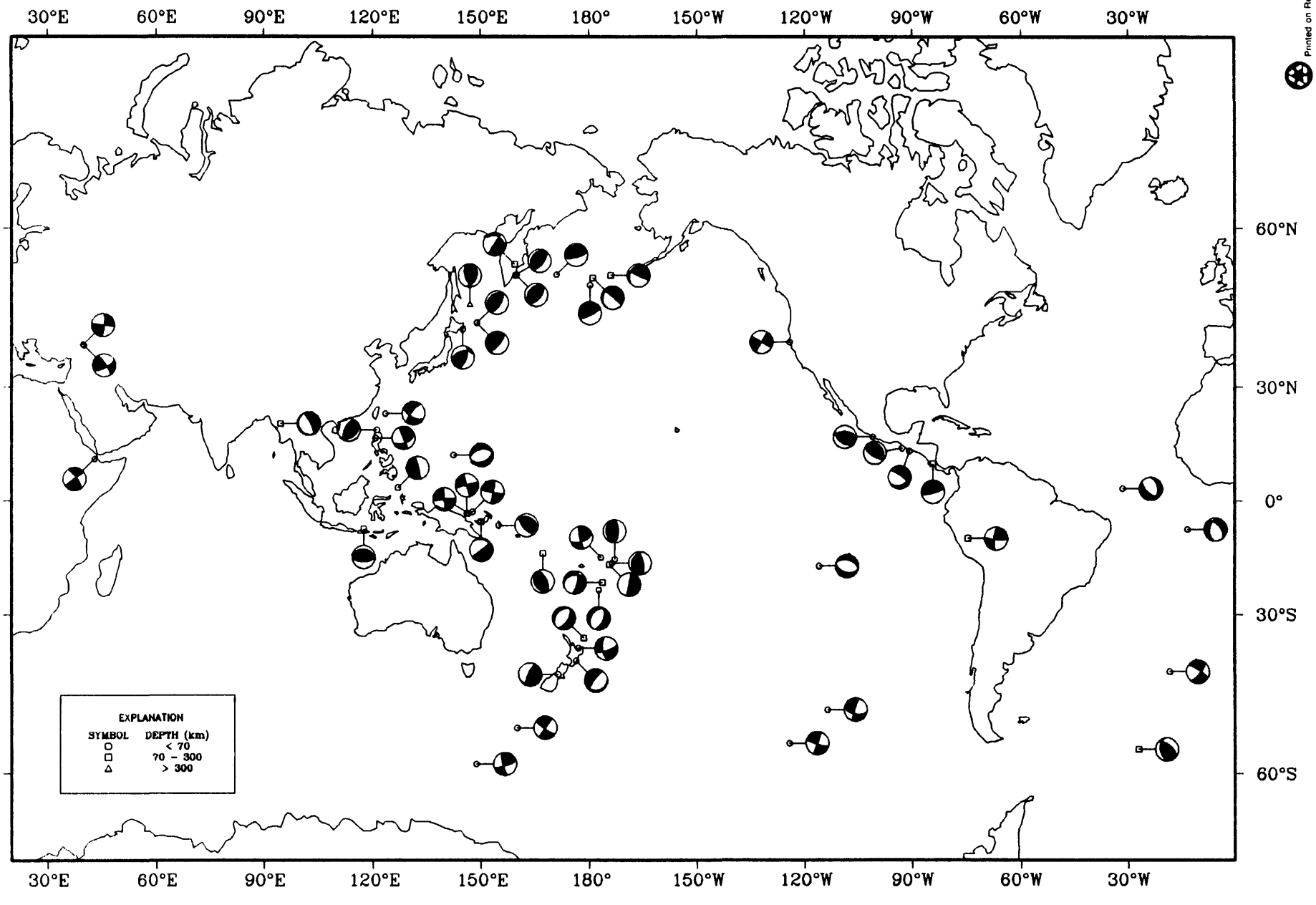
13 March 1992 16:01:04.48
Andreanof Islands, Aleutian Is.



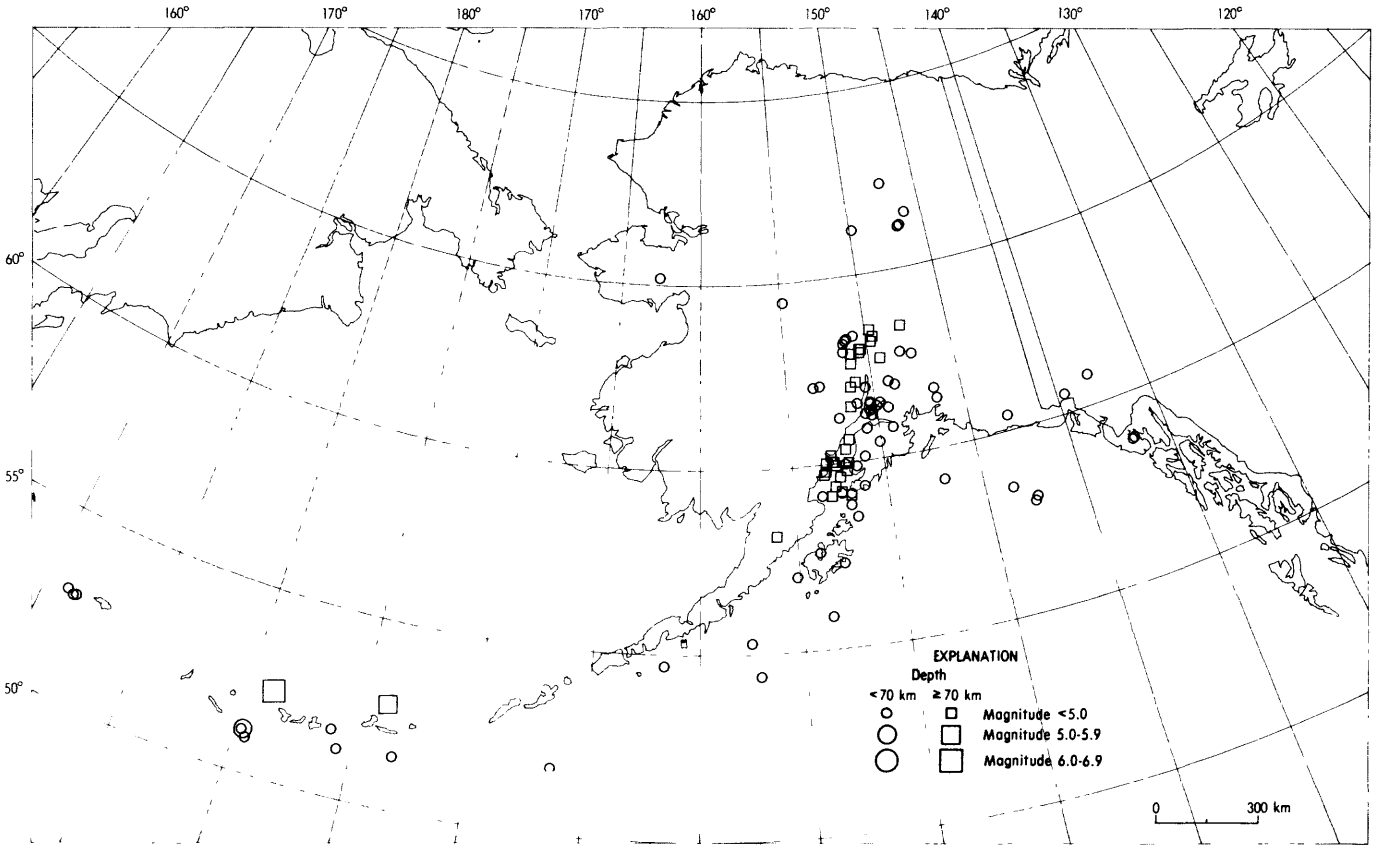
13 March 1992 17:18:39.98
Turkey



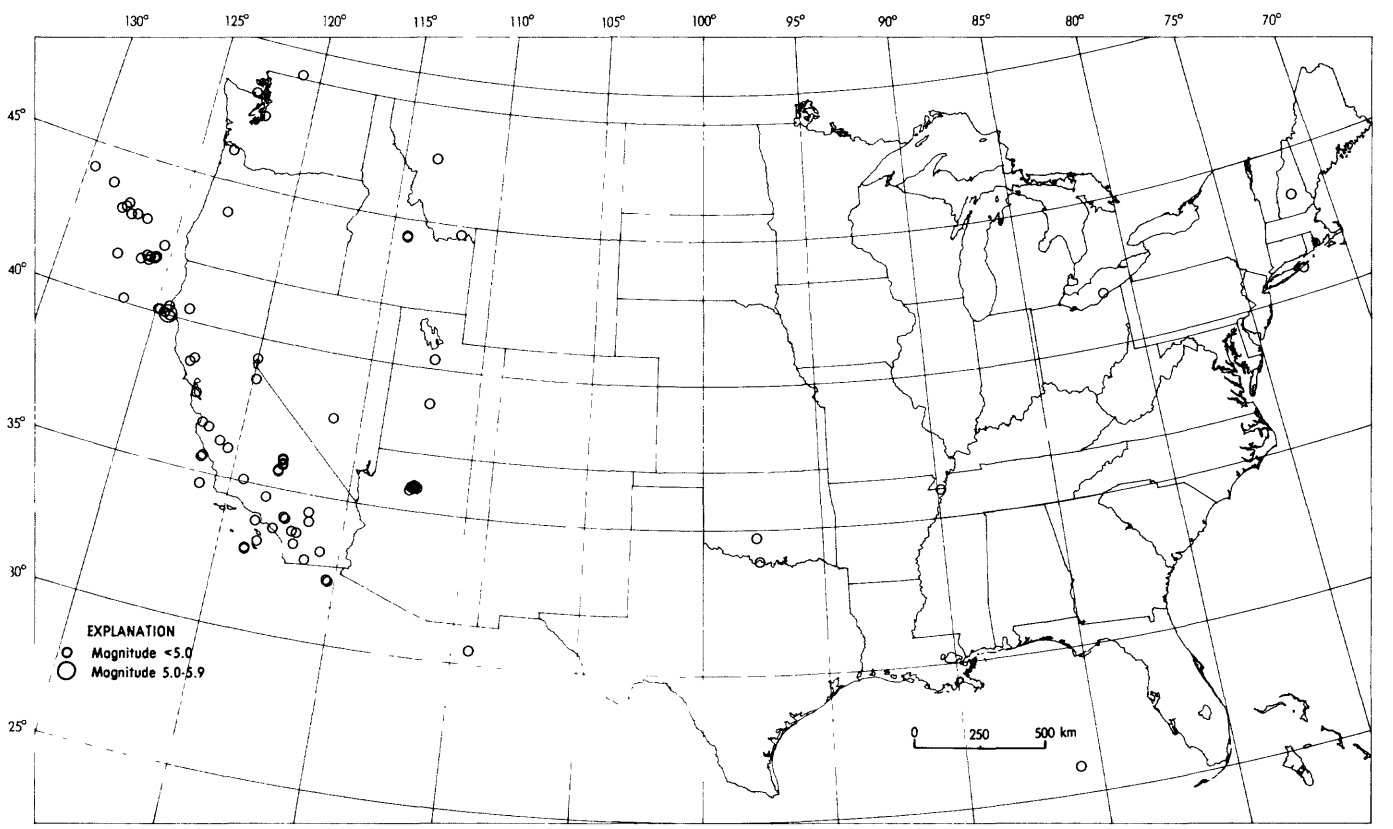
Earthquake Focal Mechanisms for March 1992



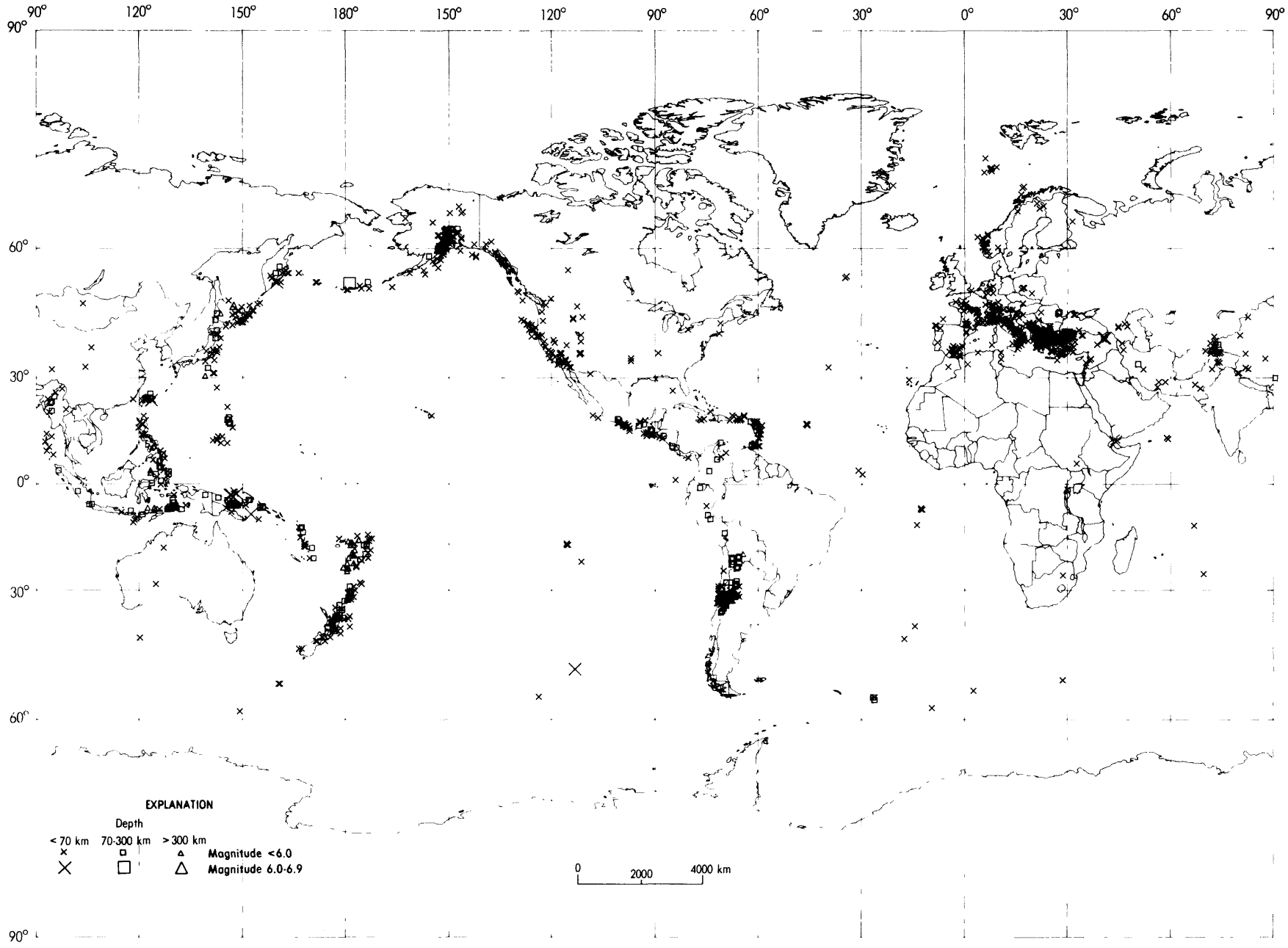
Printed on Recycled Paper



Earthquake epicenters in Alaska and adjacent regions for March, 1992 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for March, 1992 (C. Stover).



Earthquakes located in March, 1992 (C. Stover).