UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

JANUARY - MARCH 1995

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

95-600-A

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.

1995

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

MARCH 1995

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	51	01.1	13.982	N	124.297	E	33	N	4.4		0.7	23	LUZON, PHILIPPINE ISLANDS
	01	01	28	26.5*	43.400	N	14.440	E	10	G	3.9		0.7	7	ADRIATIC SEA
	01	01	57	55.2	7.081	S	129.250	E	200	G	4.4		0.7	14	BANDA SEA
a	01	02	04	23.2	55.669	N	161.222	E	90	D	5.4		0.8	304	NEAR EAST COAST OF KAMCHATKA. Mw 5.3 (HRV). mb 5.5 (BRK).
	01	02	17	53.4&	62.352	N	151.132	W	85					32	CENTRAL ALASKA. <AEIC>.
	01	05	45	55.3*	37.230	N	71.966	E	200	G	4.2		1.1	27	AFGHANISTAN-TAJIKISTAN BORD REG.
	01	06	08	37.7	48.620	N	107.497	E	33	N	4.2		0.8	5	MONGOLIA
	01	06	20	21.9	42.518	N	111.089	W	5	G	3.8		0.8	29	EASTERN IDAHO. ML 4.0 (GS). Felt (V) at Afton and (IV) at Geneva and Smoot, Wyoming. Felt (III) at Georgetown and Montpelier, Idaho.
	01	07	41	45.1?	7.95	N	76.62	W	33	N	3.9		0.5	5	NORTHERN COLOMBIA
	1	07	55	42.4&	61.666	N	151.906	W	94					55	SOUTHERN ALASKA. <AEIC>.
	1	08	16	27.3?	39.16	N	22.40	E	5	G			0.8	4	GREECE. MD 3.0 (ATH).
	1	08	32	38.2&	61.027	N	150.820	W	6					54	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	1	09	21	16.5*	29.097	N	130.161	E	33	N	4.2		0.7	15	RYUKYU ISLANDS
	1	10	18	27.2?	35.00	S	71.17	W	90	G			0.3	7	CENTRAL CHILE
	1	10	49	53.1&	49.973	N	130.135	W	10	G	3.8			24	VANCOUVER ISLAND REGION. <PGC-P>.
	1	10	54	09.7	1.506	S	127.480	E	60	*	4.4		1.0	23	HALMAHERA, INDONESIA
	1	10	55	37.6&	40.669	N	125.708	W	19		4.5			163	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 4.2 (GM). ML 4.3 (BRK). Mo=9.2*10**15 Nm (BRK).
	01	11	27	43.5?	34.61	S	70.72	W	5	G			0.6	10	CHILE-ARGENTINA BORDER REGION
	01	12	11	06.4&	61.321	N	149.845	W	36					41	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	01	12	52	20.1*	15.563	N	93.923	W	33	N	4.3		1.1	34	NEAR COAST OF CHIAPAS, MEXICO
	01	13	11	40.9	12.116	N	125.129	E	33	N	4.8		0.8	38	SAMAR, PHILIPPINE ISLANDS
	01	13	19	47.3&	59.425	N	153.107	W	88					13	SOUTHERN ALASKA. <AEIC>.
	01	13	40	56.1*	43.209	N	138.839	E	100	G	3.9		0.6	7	EASTERN SEA OF JAPAN
	01	13	53	50.5&	40.443	N	124.740	W	13					25	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.0 (GS).
	01	14	54	15.6*	51.961	N	179.694	E	170		4.0		0.8	24	RAT ISLANDS, ALEUTIAN ISLANDS
	01	14	56	49.6?	38.27	N	20.54	E	5	G			0.7	4	GREECE. MD 2.9 (ATH).
	01	15	05	11.2&	40.425	N	124.760	W	13					31	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.4 (GM). ML 3.5 (GS), 3.2 (BRK).
	01	15	36	33.3?	39.70	N	19.69	E	10	G			0.5	4	GREECE-ALBANIA BORDER REGION. MD 2.9 (ATH).
	01	15	56	35.7&	33.745	N	118.614	W	14					44	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS). Felt in western Los Angeles and south along Santa Monica Bay. First of two events about 20 seconds apart.
	01	16	07	01.4&	65.838	N	135.050	W	10	G	4.5			101	NORTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 5.0 (PGC).
	01	16	36	12.8?	11.50	N	86.22	W	33	N	4.0		1.5	15	NEAR COAST OF NICARAGUA
	01	16	50	17.5	43.168	N	0.616	W	10	G			0.8	11	PYRENEES. ML 1.7 (STR).
	01	17	05	34.1	56.164	N	162.305	W	172		4.1		0.9	49	BRISTOL BAY
	01	18	26	20.1*	31.482	S	68.024	W	100	G			0.7	17	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
a	01	20	09	32.2	52.668	N	34.854	W	10	G	4.9	4.8	1.1	140	NORTH ATLANTIC OCEAN. Mw 5.3 (HRV). Ms 4.8 (BRK).
	01	20	11	52.6	1.352	S	127.630	E	33	N	5.0	4.4	0.9	48	HALMAHERA, INDONESIA
	01	21	16	06.7?	34.60	S	71.16	W	60	G			0.9	11	NEAR COAST OF CENTRAL CHILE. MD 2.3 (SAN).
	01	21	20	20.0*	34.701	N	25.108	E	100	G	4.1		1.2	10	CRETE
	01	22	42	47.6	43.444	N	5.433	E	1	G			0.4	9	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR). Mining induced event in the Gardanne area.
	01	23	30	05.7&	61.891	N	150.070	W	44					87	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).
	01	23	46	34.6*	13.076	N	120.461	E	33	N	4.7		0.9	15	MINDORO, PHILIPPINE ISLANDS
	01	23	47	24.3*	4.034	N	76.587	W	121	*	4.1		1.5	13	COLOMBIA
	01	23	54	50.9&	59.325	N	151.777	W	58					60	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC).
	01	23	59	40.3&	60.645	N	143.063	W	10	G				21	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	02	00	07	33.7	39.661	N	19.437	E	10	G			1.1	9	GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH). ML 3.2 (TIR).
	02	01	03	06.5	48.162	N	10.243	E	10	G			1.3	9	GERMANY. ML 2.2 (LDG), 2.2 (VIE), 2.0 (FUR).
	02	01	04	32.7	47.341	N	9.924	E	10	G			0.9	14	GERMANY. ML 2.5 (LDG), 2.4 (VIE), 2.2 (FUR).

Subscriptions: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. (202) 512-1800.
Back issues: Books and Open-File Reports Section, U.S. Geological Survey, Box 25425, Denver, CO 80225.

	02	01	14	40.2%	33.918	S	70.057	W	10	G			0.6	8	CHILE-ARGENTINA BORDER REGION
	02	01	37	04.6?	11.10	N	62.06	W	90	G			0.5	6	WINDWARD ISLANDS. MD 2.9 (TRN).
	02	02	25	25.9	51.752	N	16.081	E	10	G			1.0	20	POLAND. ML 3.6 (GRF), 3.3 (VIE), 3.0 (MOX).
	02	03	02	45.2*	4.253	N	124.739	E	33	N	4.5		0.2	12	CELEBES SEA
	02	03	49	52.9	38.612	N	20.544	E	5	G			1.2	9	GREECE. MD 3.2 (ATH).
	02	04	44	10.4*	27.560	S	71.028	W	33	N			1.1	17	NEAR COAST OF NORTHERN CHILE. Felt (III) at Tierra Amarilla and (II) at Copiapo.
	02	04	53	31.8?	46.88	N	152.62	E	33	N	4.2		1.1	16	KURIL ISLANDS
	02	05	13	58.9&	33.743	N	117.498	W	11					27	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS), 2.5 (GS). Felt.
	02	05	14	53.7	17.668	N	119.493	E	31	D	4.8		0.8	61	PHILIPPINE ISLANDS REGION
	02	05	33	51.4&	44.233	N	74.426	W	4					20	NEW YORK. <PAL-P>. MD 3.0 (PAL). mbLg 3.0 (OTT), 2.9 (GS). Felt (IV) at Altramont, Lake Clear and Tupper Lake; (III) at Gabriels, Paul Smiths, Ray Brook, Saranac Lake and Star Lake.
	02	05	34	23.5	43.435	N	5.463	E	1	G			0.4	13	NEAR SOUTH COAST OF FRANCE. ML 2.9 (STR). Mining induced event in the Gardanne area.
	02	05	57	48.0	24.838	N	141.840	E	33	N	4.5		1.1	33	VOLCANO ISLANDS REGION
	02	07	01	55.9&	47.305	N	113.152	W	20					9	MONTANA. <BUT-P>. ML 3.3 (BUT).
	02	08	56	28.3*	52.707	N	34.673	W	10	G	4.4		1.0	28	NORTH ATLANTIC OCEAN
	02	10	15	47.9?	60.53	N	29.84	E	10	G			0.9	5	BALTICS-BELARUS-NW RUSSIA REG.
	02	11	10	05.6&	38.923	N	122.647	W	1					18	NORTHERN CALIFORNIA. <GM-P>. MD 2.5 (GM). ML 2.5 (GS). Felt at Clearlake.
	02	11	14	03.4*	39.881	N	143.477	E	33	N	4.2	3.7	1.0	20	OFF EAST COAST OF HONSHU, JAPAN
	02	13	18	45.7&	60.080	N	153.329	W	130		3.3			95	SOUTHERN ALASKA. <AEIC>.
	02	14	01	10.7&	38.940	N	122.642	W	5					23	NORTHERN CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 2.5 (GS). Felt at Clearlake.
	02	16	01	08.7	0.144	N	121.985	E	214		4.5		0.7	21	MINAHASSA PENINSULA, SULAWESI
	02	16	03	02.7	26.104	S	179.619	E	500	G	4.7		0.9	75	SOUTH OF FIJI ISLANDS. mb 4.5 (BRK).
	02	16	05	03.8*	39.395	N	20.437	E	10	G			0.8	6	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	02	16	18	13.8?	53.11	N	169.94	W	33	N	4.0		1.2	15	FOX ISLANDS, ALEUTIAN ISLANDS
	02	16	45	17.2	32.144	N	141.706	E	33	N	4.0		1.0	25	SOUTH OF HONSHU, JAPAN
	02	17	52	49.4	5.129	S	151.890	E	96	*	4.8		1.0	61	NEW BRITAIN REGION, P.N.G.
	02	18	15	48.6?	40.63	N	22.70	E	5	G			1.7	6	GREECE. MD 3.0 (ATH).
	02	20	09	25.4	5.471	S	133.893	E	33	N	4.8		1.0	32	ARU ISLANDS REGION, INDONESIA
	02	20	16	01.2*	20.947	S	178.949	W	500	G	4.4		1.3	41	FIJI ISLANDS REGION
	02	20	18	51.9&	61.920	N	148.690	W	39					50	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PMR).
	02	20	50	04.4&	32.866	N	118.413	W	6	G				8	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	02	21	08	21.8*	21.589	S	175.693	E	33	N	4.7		1.1	12	SOUTH OF FIJI ISLANDS
	02	22	03	20.7?	40.60	N	73.90	E	33	N	4.0		1.2	14	KYRGYZSTAN
	02	23	19	32.0	39.894	N	143.630	E	33	N	4.3		1.0	44	OFF EAST COAST OF HONSHU, JAPAN
	03	00	00	11.2*	27.115	S	176.443	W	33	N	4.8	4.4	1.0	19	KERMADEC ISLANDS REGION
	03	00	36	46.0%	38.516	N	23.731	E	5	G			0.7	5	GREECE. ML 2.9 (ATH).
	03	00	43	22.8*	27.130	S	176.441	W	33	N	4.8		1.1	14	KERMADEC ISLANDS REGION
	03	00	43	28.8?	20.64	N	147.13	E	33	N	4.0		1.3	11	MARIANA ISLANDS REGION
	03	01	07	51.2	42.569	N	111.180	W	5	G			0.9	12	EASTERN IDAHO. ML 3.0 (GS).
	03	01	20	14.8	42.576	N	111.140	W	5	G			0.7	11	EASTERN IDAHO. ML 2.4 (GS).
	03	03	08	00.4	36.191	N	140.764	E	98	D	4.2		0.8	39	NEAR EAST COAST OF HONSHU, JAPAN
	03	03	37	10.8	42.542	N	111.167	W	5	G			0.8	12	EASTERN IDAHO. ML 2.5 (GS).
a	03	04	40	26.9*	26.992	S	112.869	W	10	G	4.8	5.2	0.8	35	EASTER ISLAND REGION. Mw 5.4 (HRV). Ms 5.2 (BRK). Mo=4.7*10**17 Nm (PPT).
	03	05	30	34.9?	36.29	N	21.92	E	71	*	4.0		0.9	9	SOUTHERN GREECE. MD 3.5 (ATH).
	03	05	52	41.2&	60.347	N	152.505	W	92		3.0			93	SOUTHERN ALASKA. <AEIC>.
	03	06	54	39.4&	62.084	N	151.344	W	74					56	CENTRAL ALASKA. <AEIC>.
	03	07	46	41.7	43.939	N	147.991	E	33	N	4.2	3.8	0.8	43	KURIL ISLANDS
a	03	11	46	00.6	6.551	S	155.004	E	33	N	5.5	5.3	0.9	192	SOLOMON ISLANDS. Mw 5.6 (HRV). Ms 5.2 (BRK).
a	03	12	02	10.4	6.496	S	155.008	E	37	G	5.9	5.5	0.9	315	SOLOMON ISLANDS. Mw 5.7 (GS), 5.7 (HRV). Ms 5.5 (BRK). Depth from broadband displacement seismograms.
	03	13	27	10.1	84.877	N	96.450	E	10	G	4.9	4.6	1.0	54	NORTH OF SEVERNAYA ZEMLYA
	03	13	30	47.4	84.987	N	96.746	E	10	G	4.9	4.8	1.2	56	NORTH OF SEVERNAYA ZEMLYA
	03	13	51	22.3	34.599	N	45.203	E	33	N	4.5		1.0	45	IRAN-IRAQ BORDER REGION. Felt at Qasr-e-Shirin, Iran.
	03	13	57	38.2*	0.129	N	121.888	E	150	G	4.9		0.7	18	MINAHASSA PENINSULA, SULAWESI
	03	16	05	51.9&	63.443	N	148.598	W	13					49	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
	03	16	16	38.5	44.386	N	10.097	E	10	G	3.8		1.0	102	NORTHERN ITALY. ML 4.4 (GRF), 4.3 (VIE), 4.1 (LDG), 3.8 (FUR). MD 4.0 (TRI).
	03	16	20	51.2	44.353	N	10.046	E	10	G			1.1	23	NORTHERN ITALY. ML 3.0 (LDG), 2.8 (STR).
	03	17	02	37.6&	61.900	N	150.893	W	60					51	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	03	17	43	41.3?	10.34	S	161.18	E	96	?	4.7		0.7	12	SOLOMON ISLANDS
	03	18	04	15.1*	57.290	N	150.778	W	10	G			0.7	36	GULF OF ALASKA. ML 3.3 (AEIC).
	03	18	30	10.6	43.447	N	5.478	E	1	G			0.5	15	NEAR SOUTH COAST OF FRANCE. ML 2.9 (STR). Mining induced event in the Gardanne area.
	03	19	42	32.1%	33.152	S	70.311	W	5	G			0.3	7	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
a	03	21	12	37.6	14.688	S	175.486	W	22	D	5.7	5.7	0.9	189	SAMOA ISLANDS REGION. Mw 5.9 (GS), 5.9 (HRV). Ms 5.5 (BRK). Mo=1.7*10**18 Nm (PPT).
	03	21	44	46.5	42.087	N	19.579	E	10	G			0.6	9	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
	03	22	26	51.1	4.762	S	151.805	E	111	D	5.1		1.0	105	NEW BRITAIN REGION, P.N.G. mb 5.2 (BRK).
	04	00	02	40.8*	25.970	N	96.720	E	33	N	3.8		1.0	15	MYANMAR
	04	01	02	16.4?	47.26	N	10.95	E	10	G			0.8	6	AUSTRIA. ML 2.1 (FUR), 1.9 (VIE).
	04	01	04	25.6	47.152	N	10.772	E	10	G			0.7	12	AUSTRIA. ML 2.4 (FUR), 2.2 (VIE).
	04	01	09	21.1*	31.775	S	70.876	W	100	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	04	01	40	11.8	50.423	N	18.982	E	10	G			0.9	10	POLAND. ML 2.9 (CLL).
	04	01	58	11.6	44.734	N	7.723	E	10	G			0.7	44	NORTHERN ITALY. ML 3.1 (LDG), 2.8 (STR).
	04	02	05	15.4&	40.643	N	125.731	W	24					39	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.6 (GM). ML 3.2 (GS).
	04	02	07	16.5&	40.662	N	125.691	W	22					13	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM).
	04	03	20	17.8*	37.004	N	5.503	W	10	G			1.0	5	SPAIN. mbLg 2.4 (MDD).
	04	03	21	51.6?	34.85	N	24.57	E	33	N	3.7		0.7	9	CRETE
	04	03	42	55.8	40.174	N	142.430	E	33	N	4.3	3.7	1.1	33	NEAR EAST COAST OF HONSHU, JAPAN
	04	04	28	59.6%	41.970	N	23.141	E	10	G			0.5	7	GREECE-BULGARIA BORDER REGION
	04	04	31	55.5*	31.895	S	179.883	E	358	?	4.1		0.8	14	KERMADEC ISLANDS REGION
	04	04	55	16.6	3.729	N	126.369	E	58	*	4.8	4.3	1.0	51	TALAUD ISLANDS, INDONESIA
	04	05	18	22.3	48.088	N	27.771	W	10	G	4.2	3.6	0.9	25	NORTHERN MID-ATLANTIC RIDGE
	04	06	12	50.7?	7.46	S	106.65	E	50	G	4.7		1.5	14	JAWA, INDONESIA

	04	06	34	33.4	44.441	N	10.183	E	10	G		0.9	17	NORTHERN ITALY. ML 2.8 (LDG), 2.5 (STR).
	04	07	02	53.2	44.431	N	9.871	E	10	G		0.8	11	NORTHERN ITALY. ML 2.9 (LDG).
	04	07	32	37.0?	32.63	S	71.61	W	10	G		0.8	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	04	08	41	42.4	0.186	S	97.406	E	24	D	4.8	0.7	35	SOUTHWEST OF SUMATERA, INDONESIA
	04	08	50	18.0	33.635	S	68.375	W	5	G		0.9	16	MENDOZA PROVINCE, ARGENTINA. MD 4.6 (SAN).
	04	08	53	07.0?	15.27	N	60.95	W	130	G		0.8	6	LEEWARD ISLANDS. MD 3.5 (TRN). Felt (II) in the epicentral area.
	04	10	11	21.0&	40.320	N	125.133	W	22				2	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
	04	10	25	10.8*	36.974	N	5.528	W	10	G		0.8	5	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD). MD 2.0 (SFS).
	04	10	30	30.9?	48.13	N	146.26	E	400	G	3.6	0.4	8	SEA OF OKHOTSK
	04	10	51	46.2*	51.697	N	15.930	E	10	G		1.4	12	POLAND. ML 2.7 (MOX).
	04	11	18	38.8*	5.424	S	151.617	E	71	D	5.1	1.3	30	NEW BRITAIN REGION, P.N.G.
	04	11	45	35.1	45.501	N	14.307	E	10	G		0.5	6	NORTHWESTERN BALKAN REGION. MD 2.2 (LJU).
	04	12	54	49.8	36.984	N	5.543	W	10	G		0.9	7	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD). MD 2.5 (SFS).
	04	13	24	40.2?	54.39	N	157.00	E	33	N	3.9	0.8	10	KAMCHATKA
	04	14	03	56.8?	36.83	N	71.24	E	200	G	3.9	1.2	15	AFGHANISTAN-TAJIKISTAN BORD REG.
	04	14	11	47.6	39.930	N	143.063	E	28	D	5.1	0.9	99	OFF EAST COAST OF HONSHU, JAPAN
	04	14	36	32.1?	42.92	N	4.76	E	5	G		0.9	7	WESTERN MEDITERRANEAN SEA. ML 2.6 (LDG).
	04	14	51	08.3*	6.619	S	155.175	E	88	*	4.3	0.5	13	SOLOMON ISLANDS
	04	15	34	07.5&	33.941	S	70.507	W	100	G		0.1	7	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
	04	15	55	10.7&	35.271	N	105.755	E	10	G		1.2	6	GANSU, CHINA. ML 3.3 (BJI).
	04	16	19	56.2&	36.781	N	121.485	W	6				35	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.9 (GS).
	04	16	22	10.0&	40.726	N	125.675	W	16				2	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
	04	17	15	54.7	39.548	N	118.108	W	5	G		0.8	20	NEVADA. ML 3.5 (GS). MD 3.3 (GM).
	04	17	18	40.8?	12.09	N	87.42	W	150	G	3.8	0.7	11	NEAR COAST OF NICARAGUA
	04	17	52	57.0	38.623	N	20.470	E	10	G	4.2	1.3	14	GREECE. ML 3.6 (ATH).
	04	17	56	26.2?	25.27	S	179.42	E	600	G	4.3	1.0	9	SOUTH OF FIJI ISLANDS
a	04	17	56	38.0*	13.972	S	14.495	W	10	G	5.4 5.0	1.4	99	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.4 (HRV).
	04	18	28	53.7?	82.45	N	29.18	E	10	G	3.7	1.1	10	NORTH OF SVALBARD
	04	19	11	37.6	40.491	N	20.425	E	5	G		1.3	11	GREECE-ALBANIA BORDER REGION. ML 3.0 (TIR). MD 3.0 (ATH).
	04	19	40	40.4	35.001	N	32.373	E	33	N	3.7	0.8	11	CYPRUS REGION. ML 3.9 (ISK), 3.2 (CSS), 3.1 (BHL). Felt (IV) at Polis and (III) at Paphos.
	04	19	50	47.2&	62.988	N	150.494	W	101		2.7		58	CENTRAL ALASKA. <AEIC>.
	04	20	32	21.3*	47.341	N	152.719	E	115	?	4.1	0.9	18	KURIL ISLANDS
	04	21	08	33.1&	40.381	N	125.374	W	23				22	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM).
	04	21	28	41.8	42.065	N	19.624	E	10	G	3.4	1.2	39	NORTHWESTERN BALKAN REGION. ML 3.5 (TTG), 3.2 (TIR). MD 3.3 (ATH).
	04	21	36	14.9*	36.236	N	69.031	E	33	N	4.1	1.3	16	HINDU KUSH REGION, AFGHANISTAN
	04	21	43	29.5*	13.540	N	120.485	E	33	N	4.8 4.1	1.3	23	MINDORO, PHILIPPINE ISLANDS. Felt at Puerto Galera and Tagaytay, Luzon.
	04	21	51	40.9&	40.683	N	125.592	W	6		3.5		40	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.4 (GS). Small precursor about 33 seconds before this event.
	04	22	06	55.0*	42.043	N	19.701	E	5	G		0.4	8	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
	04	23	23	40.6	1.282	N	77.307	W	5	G	4.4	1.2	49	COLOMBIA. At least eight people killed, ten injured and eight houses damaged in the Pasto area.
	05	00	07	03.0&	37.597	N	118.836	W	11				137	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 4.3 (GM). ML 4.5 (BRK), 4.5 (GS). Mo=2.0*10**15 Nm (BRK). Felt (IV) at Big Creek, Bishop, June Lake and North Fork; (III) at Lakeshore, California. Also felt at Inyo City and Mammoth Lakes, California.
	05	00	49	32.6*	17.191	S	172.743	W	33	N	5.1	1.3	28	TONGA ISLANDS REGION
	05	01	29	22.0?	79.21	N	2.34	E	10	G		0.0	4	GREENLAND SEA
	05	01	42	44.3	34.996	N	32.441	E	33	N		0.9	13	CYPRUS REGION. ML 4.1 (ISK), 3.6 (BHL), 3.5 (CSS). Felt (IV) at Polis and (III) at Paphos.
	05	01	43	06.1	31.250	N	141.533	E	33	N	4.3	0.9	26	SOUTH OF HONSHU, JAPAN
	05	01	48	31.2	11.491	S	116.272	E	33	N	4.5	0.7	21	SOUTH OF SUMBAWA, INDONESIA
	05	02	33	29.4&	62.247	N	150.052	W	0				46	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2.7 (PMR).
	05	02	40	04.9	42.602	N	1.039	E	5	G		0.7	14	PYRENEES. mbLg 3.0 (MDD). ML 2.9 (LDG).
	05	02	48	47.3&	37.591	N	118.836	W	11				111	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 4.1 (GM). ML 4.4 (BRK), 4.3 (GS). Mo=1.0*10**15 Nm (BRK). Felt (IV) at Bishop and June Lake; (III) at Lakeshore and North Fork, California.
	05	02	53	08.2&	37.593	N	118.844	W	14				80	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.6 (BRK), 3.5 (GS). This event was preceded by a small foreshock about 3.5 seconds earlier.
	05	03	37	34.0&	41.994	N	19.682	E	15	G		0.6	8	ALBANIA. ML 2.2 (TTG).
	05	03	45	44.3	45.997	N	14.092	E	10	G		1.2	17	NORTHWESTERN BALKAN REGION. MD 3.4 (LJU), 3.0 (TRI). ML 2.9 (VIE). Felt (V) in the Idrija area, Slovenia.
	05	04	36	43.7*	23.685	S	179.719	E	600	G	4.5	0.5	18	SOUTH OF FIJI ISLANDS
	05	05	17	26.0&	40.305	N	124.498	W	8				31	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.3 (GM). ML 3.5 (GS), 3.3 (BRK).
	05	06	05	03.3	39.481	N	20.286	E	10	G		1.3	11	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
	05	06	49	57.6&	38.933	N	122.616	W	5				35	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.1 (GS).
	05	07	00	00.4	24.670	N	99.965	E	33	N	4.4	1.2	37	YUNNAN, CHINA. ML 3.8 (BJI).
	05	07	59	08.7	38.394	N	21.936	E	10	G	3.6	0.7	14	GREECE. MD 3.3 (ATH).
	05	08	14	52.7*	35.837	N	69.871	E	200	G	3.9	1.2	12	HINDU KUSH REGION, AFGHANISTAN
	05	08	59	34.8*	33.683	N	136.615	E	378		3.8	0.7	18	NEAR S. COAST OF WESTERN HONSHU
	05	09	29	00.0	70.446	N	9.022	E	10	G	4.0	0.9	30	NORWEGIAN SEA. MD 3.7 (BER).
	05	10	03	31.8&	61.732	N	151.571	W	111				53	SOUTHERN ALASKA. <AEIC>.
	05	10	14	14.1&	34.360	S	71.109	W	70	G		0.2	11	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	05	11	10	55.9*	50.009	N	157.051	E	33	N	3.8	1.2	15	KURIL ISLANDS
	05	11	11	02.7	18.663	S	169.146	E	247	*	5.0	0.8	102	VANUATU ISLANDS. mb 5.1 (BRK).
	05	11	11	16.1*	50.448	N	157.066	E	33	N	4.3	0.9	33	KURIL ISLANDS
	05	12	17	11.5&	48.650	N	112.350	W	10	G			8	MONTANA. <BUT-P>. ML 3.3 (BUT). Felt at Cut Bank.
	05	12	37	34.3&	63.233	N	150.629	W	129				47	CENTRAL ALASKA. <AEIC>.
	05	12	55	04.2*	7.315	S	156.003	E	100	G	3.9	1.0	8	SOLOMON ISLANDS
	05	13	12	29.0?	37.59	N	139.83	E	33	N	4.3	1.4	8	EASTERN HONSHU, JAPAN
	05	13	14	58.7?	44.88	N	10.71	E	10	G		0.8	7	NORTHERN ITALY. ML 2.7 (LDG).
	05	14	30	22.7	37.046	N	5.523	W	5	G		0.8	17	SPAIN. mbLg 3.3 (MDD). MD 3.1 (SFS).
	05	14	32	16.9	37.003	N	5.553	W	5	G		0.6	10	SPAIN. mbLg 3.2 (MDD). MD 3.0 (SFS).
	05	15	01	27.9	35.276	N	4.040	W	10	G		0.5	10	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD). MD 3.2 (RBA).

	05	15	09	43.6&	59.156	N	152.732	W	69				37	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	05	15	23	39.3*	70.436	N	8.881	E	10	G		1.0	11	NORWEGIAN SEA. MD 2.6 (BER).
	05	15	37	01.9*	20.479	S	178.794	W	602		4.2	0.9	36	FIJI ISLANDS REGION
	05	15	47	46.5&	60.031	N	151.753	W	50				43	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	05	18	07	43.1	44.133	N	147.299	E	33	N	3.9	0.5	20	KURIL ISLANDS
	05	18	11	18.2&	61.699	N	152.042	W	103		3.7		87	SOUTHERN ALASKA. <AEIC>.
	05	18	47	19.8*	9.966	N	122.062	E	10	G	4.5	0.9	15	NEGROS, PHILIPPINE ISLANDS
	05	20	06	42.5*	43.936	N	147.044	E	33	N	4.2	0.9	23	KURIL ISLANDS
	05	20	34	45.5	36.977	N	5.521	W	10	G		1.3	11	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD). MD 2.8 (SFS).
	05	22	07	52.6?	32.25	S	69.46	W	140	G		1.1	9	MENDOZA PROVINCE, ARGENTINA
	05	22	08	36.3*	31.676	S	71.917	W	68	?	4.8	0.8	13	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
	05	22	46	11.8?	35.32	S	71.34	W	120	G		0.4	9	CENTRAL CHILE
	05	23	23	00.5	78.453	N	7.303	E	10	G	3.6 4.0	1.2	22	SVALBARD REGION
	05	23	46	19.4	35.860	N	7.675	W	33	N	3.4	0.8	42	STRAIT OF GIBRALTAR. mbLg 3.7 (MDD). MD 3.7 (RBA), 3.5 (SFS).
	06	01	29	55.9*	59.547	S	26.322	W	33	N	4.6	0.6	25	SOUTH SANDWICH ISLANDS REGION
	06	02	02	23.1	45.437	N	142.533	E	33	N	4.5	0.9	31	HOKKAIDO, JAPAN REGION
	06	03	02	03.1	14.148	N	61.039	W	33	N		0.6	16	WINDWARD ISLANDS. MD 3.7 (TRN). Felt (II) on Martinique.
	06	03	34	13.9?	0.40	N	130.08	E	33	N	4.0	0.8	7	IRIAN JAYA REGION, INDONESIA
	06	03	39	14.4?	11.17	N	61.87	W	33	N		1.0	6	WINDWARD ISLANDS. MD 3.5 (TRN).
	06	04	18	10.5&	60.058	N	152.768	W	108				60	SOUTHERN ALASKA. <AEIC>.
	06	05	55	26.7%	44.285	N	7.252	E	10	G		0.3	7	NORTHERN ITALY. ML 1.9 (GEN).
	06	06	11	39.0*	57.356	S	24.691	W	33	N	4.6	1.1	23	SOUTH SANDWICH ISLANDS REGION
	06	06	23	42.0	39.720	N	143.566	E	36	D	4.7 4.3	0.8	60	OFF EAST COAST OF HONSHU, JAPAN
	06	06	24	31.4?	51.05	N	145.84	E	26	D	4.8 4.9	1.3	31	SEA OF OKHOTSK
	06	06	33	59.1?	30.05	N	142.72	E	33	N	3.6	1.6	5	SOUTH OF HONSHU, JAPAN
	06	07	38	54.1?	32.67	S	70.13	W	120	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.6 (SAN).
	06	08	27	52.8*	43.369	N	146.132	E	33	N	4.5	1.0	22	KURIL ISLANDS
	06	08	56	23.1&	60.029	N	151.598	W	67				46	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	06	09	01	03.6%	45.039	N	7.349	E	10	G		0.7	7	NORTHERN ITALY. ML 2.1 (GEN).
	06	09	01	05.8	53.315	N	159.625	E	72	*	4.4	1.0	56	NEAR EAST COAST OF KAMCHATKA
	06	09	18	37.8?	17.54	S	166.70	E	33	N	4.2	0.9	9	VANUATU ISLANDS
	06	10	02	14.1%	32.620	S	71.558	W	10	G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	06	10	17	32.0?	6.31	N	72.75	W	200	G	3.7	0.9	10	NORTHERN COLOMBIA
	06	10	48	57.6*	51.442	N	176.631	E	33	N	4.2	0.9	24	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
	06	11	32	34.3*	37.536	S	178.858	E	33	N	4.4 4.4	1.0	13	OFF E. COAST OF N. ISLAND, N.Z.
	06	12	22	16.9	41.489	N	19.533	E	5	G		0.8	12	ALBANIA. ML 2.5 (TIR), 2.2 (TTG).
	06	12	23	53.7?	40.24	N	140.74	E	179	?	4.3	1.0	10	EASTERN HONSHU, JAPAN
	06	12	59	52.3?	37.01	N	3.74	W	10	G		0.3	4	SPAIN. mbLg 2.6 (MDD).
	06	13	48	09.8?	61.01	N	5.16	E	10	G		0.6	4	SOUTHERN NORWAY. MD 1.0 (BER).
	06	14	04	36.0*	4.963	S	144.298	E	109	*	3.8	0.8	9	NEAR N COAST OF NEW GUINEA, PNG.
	06	14	56	40.4	0.676	S	127.628	E	63	*	5.2	1.1	41	HALMAHERA, INDONESIA
	06	15	11	36.4*	11.562	N	85.466	W	200	G	3.7	1.2	15	NICARAGUA
	06	18	06	28.3?	5.72	S	105.79	E	167	*	3.7	0.6	14	SUNDA STRAIT
	06	18	27	19.3%	37.033	N	4.239	W	5	G		0.3	9	SPAIN. mbLg 2.7 (MDD).
a	06	18	43	40.1	2.690	N	118.226	E	17	G	5.5 5.8	1.1	202	CELEBES SEA. Mw 6.1 (GS), 6.1 (HRV). Two events about 2 seconds apart. Depth from broadband displacement seismograms, based on second event.
	06	18	44	01.2	15.571	N	91.995	W	174	D	4.8	1.1	107	MEXICO-GUATEMALA BORDER REGION
	06	20	02	04.5?	29.45	N	105.21	E	10	G	3.7	0.8	4	SICHUAN, CHINA. ML 3.3 (BJI).
	06	20	32	21.6*	31.927	S	70.091	W	88	?		0.8	14	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
	06	21	36	33.3*	8.476	N	126.713	E	33	N	4.5	0.6	21	MINDANAO, PHILIPPINE ISLANDS
	06	22	09	17.1*	33.446	S	69.136	W	5	G		1.0	11	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	06	22	14	55.2?	18.83	S	169.20	E	221	?	4.4	1.2	29	VANUATU ISLANDS
	06	23	43	27.4	20.586	N	93.602	E	40	D	4.4	0.9	31	MYANMAR
	07	00	22	35.0%	42.696	N	18.893	E	10	G		0.4	8	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	07	02	23	10.8?	44.46	N	146.86	E	33	N	3.9	1.1	7	KURIL ISLANDS
	07	03	08	53.6?	36.19	N	1.75	W	10	G		0.6	8	WESTERN MEDITERRANEAN SEA. mbLg 3.0 (MDD).
	07	03	26	51.1?	34.08	S	70.32	W	10	G		0.4	4	CHILE-ARGENTINA BORDER REGION
	07	03	35	25.5*	51.676	N	7.754	E	5	G		0.8	6	GERMANY. ML 2.6 (BNS), 2.6 (UCC), 2.5 (DBN). Probably mining induced.
	07	03	58	10.4	36.787	N	27.806	E	10	G	4.7 4.7	1.1	211	DODECANESE ISLANDS. MD 4.7 (ATH). ML 4.5 (THE), 4.3 (CSS). Felt on Kalimnos, Kos and Rodhos. Also felt in the Mugla area, Turkey.
	07	05	08	13.7	13.625	N	124.296	E	33	N	4.8	0.9	51	LUZON, PHILIPPINE ISLANDS
	07	05	38	55.1*	43.257	N	146.886	E	33	N	4.0	0.8	14	KURIL ISLANDS
	07	06	47	41.4&	62.736	N	149.671	W	83		3.1		99	CENTRAL ALASKA. <AEIC>. Felt (III) at Sheep Creek.
	07	06	52	33.1	45.826	N	150.859	E	32	D	4.6	0.9	51	KURIL ISLANDS
	07	06	53	55.3*	31.825	S	70.158	W	120	G		0.7	11	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
	07	08	46	52.4%	28.908	N	34.815	E	10	G		0.7	6	EGYPT
	07	10	00	36.9*	44.817	N	149.382	E	33	N	3.9	1.1	23	KURIL ISLANDS
	07	11	10	54.6	25.690	S	179.419	E	562	*	4.4	0.8	74	SOUTH OF FIJI ISLANDS. mb 4.7 (BRK).
	07	13	35	19.2*	26.695	S	176.563	W	33	N	4.5	1.1	30	SOUTH OF FIJI ISLANDS
	07	14	50	33.0*	43.115	N	149.319	E	33	N	4.2	0.8	8	EAST OF KURIL ISLANDS
	07	15	32	37.8	51.034	N	179.542	E	33	N	4.5	1.2	41	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.2 (PMR).
	07	18	11	23.9?	44.36	N	3.12	E	10	G		0.8	6	FRANCE. ML 2.5 (LDG), 2.0 (STR).
	07	18	15	33.9&	37.258	N	121.639	W	7				62	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.2 (GS), 3.1 (BRK).
	07	18	23	16.5	43.957	N	8.102	E	10	G		0.7	16	CORSICA. ML 2.2 (GEN), 2.0 (LDG), 1.7 (STR).
	07	18	38	13.0	43.280	N	140.671	E	167		4.7	0.9	103	HOKKAIDO, JAPAN REGION
	07	18	43	49.1%	44.363	N	7.315	E	10	G		0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
	07	19	38	31.3?	51.69	N	16.33	E	10	G		1.0	7	POLAND. ML 2.7 (MOX), 2.1 (CLL).
	07	20	45	12.4?	60.71	N	4.91	E	10	G		0.6	4	SOUTHERN NORWAY. MD 1.4 (BER).
	07	22	00	48.6%	34.030	S	70.134	W	10	G		0.5	10	CHILE-ARGENTINA BORDER REGION
	07	22	33	19.3	36.602	N	113.418	W	5	G		0.8	11	WESTERN ARIZONA. ML 3.1 (GS).
	07	23	06	21.7*	20.840	S	179.070	W	650	G	4.1	0.8	25	FIJI ISLANDS REGION
	08	00	16	33.4&	40.689	N	123.973	W	21				4	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
	08	00	48	03.6	6.691	S	127.031	E	450	G	4.9	0.9	37	BANDA SEA
	08	01	33	59.7*	35.124	N	24.100	E	10	G	3.7	1.6	11	CRETE. MD 3.6 (ATH).
	08	01	52	14.3	51.089	N	179.553	E	33	N	4.7 4.0	1.0	104	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.9 (PMR).
	08	01	59	12.4*	50.958	N	179.579	E	33	N	4.6	1.3	47	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
	08	02	02	44.2%	44.457	N	7.039	E	10	G		0.1	7	NORTHERN ITALY. ML 2.2 (GEN).

	08	02	25	13.2	13.187	N	120.964	E	33	N	4.9	0.7	23	MINDORO, PHILIPPINE ISLANDS
a	08	03	45	58.6	16.562	N	59.559	W	8	G	6.3 6.2	0.8	637	LEEWARD ISLANDS. Mw 6.1 (GS), 6.2 (HRV). Ms 6.3 (BRK). MD 6.1 (TRN). Mo=7.3*10**18 Nm (PPT). Felt (IV) on Guadeloupe and (III) on Dominica, Martinique and St. Lucia. Depth from broadband displacement seismograms.
	08	04	49	48.1	8.783	N	82.427	W	10	G		0.8	10	PANAMA-COSTA RICA BORDER REGION. MD 4.2 (UPA).
	08	05	10	58.1	9.277	N	93.749	E	113	*	4.5	0.8	53	NICOBAR ISLANDS, INDIA
	08	05	25	36.5	47.266	N	0.785	W	10	G		0.6	14	FRANCE. ML 3.2 (LDG), 2.8 (STR).
	08	05	26	46.0*	34.515	S	70.457	W	120	G		0.7	13	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	08	05	39	07.3*	44.941	N	100.625	E	33	N	4.4	1.2	15	MONGOLIA
	08	06	27	26.1	35.832	N	69.747	E	150	G	4.1	1.2	30	HINDU KUSH REGION, AFGHANISTAN
	08	07	10	35.8	22.087	S	68.331	W	115	D	4.8	1.0	55	NORTHERN CHILE
	08	07	21	17.0*	19.894	S	178.561	W	600	G	4.4	1.1	21	FIJI ISLANDS REGION
	08	07	26	13.5	29.631	N	129.376	E	188	*	4.3	0.8	41	RYUKYU ISLANDS
	08	07	38	08.5	34.223	N	46.563	E	21	D	4.2	0.7	18	WESTERN IRAN. Felt in the Eslamabad area.
	08	07	58	01.9	31.614	N	50.493	E	33	N	4.3	1.1	24	NORTHERN IRAN
	08	08	29	44.0*	34.860	N	142.804	E	33	N	4.2	1.1	13	OFF EAST COAST OF HONSHU, JAPAN
	08	08	48	49.3*	19.697	S	177.393	W	400	G	4.1	0.6	19	FIJI ISLANDS REGION
	08	08	55	08.4	37.774	N	15.732	E	30		3.9	1.2	31	SICILY. ML 4.1 (TTG). MD 3.4 (ROM).
	08	09	22	40.7	43.856	N	7.703	E	10	G		1.1	18	NEAR SOUTH COAST OF FRANCE. ML 2.9 (LDG), 2.7 (GEN).
	08	11	11	47.5	51.640	N	16.091	E	10	G		0.9	14	POLAND. ML 3.9 (GRF), 3.9 (VIE), 3.2 (MOX).
	08	12	12	41.0&	50.091	N	114.868	W	5	G			2	ALBERTA, CANADA. <PGC-P>. ML 2.2 (PGC). Felt at Elkford, British Columbia.
	08	14	07	03.6	82.370	N	71.771	W	10	G	4.7 4.3	1.0	97	QUEEN ELIZABETH ISLANDS, CANADA
	08	14	49	11.5&	34.402	N	118.635	W	17				38	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.0 (GS). Felt in the northern part of the San Fernando Valley.
	08	14	56	48.7?	37.50	N	72.36	E	197	?	4.0	0.9	22	TAJIKISTAN
	08	15	39	20.6	46.195	N	142.945	E	309	*	4.2	0.7	29	SAKHALIN ISLAND
	08	15	44	07.1?	39.74	N	19.38	E	5	G		0.7	4	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	08	16	07	06.1	35.498	N	3.787	W	10	G		0.4	8	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD).
	08	16	19	36.8?	4.42	S	134.85	E	33	N	4.5	1.3	9	IRIAN JAYA REGION, INDONESIA
	08	16	29	58.7&	50.485	N	130.230	W	10	G	4.3		142	VANCOUVER ISLAND REGION. <PGC-P>.
	08	16	31	07.1	66.946	N	21.206	E	10	G		0.7	7	SWEDEN. MD 2.8 (BER).
	08	16	59	06.5*	23.454	S	70.547	W	61	*	3.9	1.3	17	NEAR COAST OF NORTHERN CHILE
	08	17	09	31.0*	43.683	N	145.019	E	33	N	4.7	0.6	14	HOKKAIDO, JAPAN REGION
	08	17	22	24.6	51.791	N	176.670	E	33	N	4.5	1.2	46	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
	08	18	04	57.8?	51.21	N	15.78	E	10	G		0.9	4	POLAND
	08	18	34	29.5?	2.48	S	126.21	E	156	?	3.7	0.7	14	CERAM SEA
	08	18	49	54.4*	8.148	S	118.457	E	89	*	3.6	1.5	13	SUMBAWA REGION, INDONESIA
	08	19	16	30.5&	37.390	N	121.745	W	7				9	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
	08	21	09	20.5?	34.08	S	70.28	W	10	G		1.0	5	CHILE-ARGENTINA BORDER REGION
	08	22	47	10.6*	7.462	N	126.756	E	72	?	4.3	1.2	22	MINDANAO, PHILIPPINE ISLANDS
	09	00	36	16.6*	7.083	S	155.331	E	152	?	4.1	0.8	27	SOLOMON ISLANDS
	09	00	50	59.2*	22.815	S	12.737	W	10	G	4.7 4.1	0.9	33	SOUTHERN MID-ATLANTIC RIDGE
	09	00	58	28.3&	58.130	N	154.848	W	59				34	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
	09	02	42	26.2*	12.040	S	72.489	W	47	D	4.5	1.0	29	CENTRAL PERU
	09	03	35	26.2?	46.85	N	4.75	W	10	G		0.5	19	BAY OF BISCAY. ML 3.2 (LDG).
	09	03	38	32.2?	11.48	N	87.04	W	150	G	4.1	1.1	17	NEAR COAST OF NICARAGUA
	09	03	57	11.9*	46.880	N	150.997	E	150	G	3.9	1.0	20	KURIL ISLANDS
	09	04	20	11.7*	52.947	N	170.888	W	33	N	3.8	1.2	11	FOX ISLANDS, ALEUTIAN ISLANDS
	09	06	38	41.8	43.473	N	146.847	E	33	N	4.4 4.3	0.8	35	KURIL ISLANDS
a	09	07	04	22.1	78.302	N	2.302	E	10	G	5.1 4.4	1.0	189	GREENLAND SEA. Mw 5.1 (HRV).
	09	07	20	32.9?	75.84	N	10.50	E	10	G		1.4	5	SVALBARD REGION
	09	07	22	36.5&	47.192	N	120.946	W	1				65	WASHINGTON. <SEA-P>. MD 3.0 (SEA).
	09	08	00	31.8&	62.923	N	148.349	W	69				58	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
	09	08	12	16.2&	19.340	N	155.126	W	5		3.9		36	HAWAII. <HVO-P>. MD 4.0 (HVO). Felt (III) at Papaaloa. Also felt at Glenwood and Paauilo.
	09	08	50	52.8*	76.262	N	5.879	E	10	G		0.8	8	SVALBARD REGION
	09	09	58	29.2&	17.896	N	66.375	W	5	G		0.5	7	PUERTO RICO REGION. MD 2.7 (MPR).
	09	10	14	14.4	31.119	S	68.223	W	100	G		1.2	22	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
	09	11	01	22.9?	30.82	S	117.05	E	10	G		0.3	4	WESTERN AUSTRALIA
	09	11	15	55.2?	48.82	N	10.39	E	5	G		0.3	6	GERMANY. ML 2.5 (VIE), 2.0 (FUR).
	09	11	49	32.0&	33.650	S	70.684	W	20	G		0.3	5	CHILE-ARGENTINA BORDER REGION
	09	11	56	51.9	6.962	S	68.162	E	10	G	4.7	0.8	30	CHAGOS ARCHIPELAGO REGION
	09	12	02	38.9	33.140	S	70.258	W	10	G		0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	09	12	05	07.9*	10.473	N	62.356	W	10	G	4.1	1.1	5	NEAR COAST OF VENEZUELA
	09	12	07	26.7?	31.19	S	68.84	W	100	G		1.0	11	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
	09	12	30	41.3?	34.53	S	71.49	W	50	G		0.1	5	NEAR COAST OF CENTRAL CHILE
	09	13	26	55.1?	0.47	N	129.01	E	218	?	4.3	1.5	11	HALMAHERA, INDONESIA
	09	13	45	28.5&	32.455	N	115.220	W	15				28	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.5 (ECX). ML 3.3 (GS), 3.1 (PAS).
	09	13	48	15.8&	32.438	N	115.197	W	16				24	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.2 (ECX). ML 2.9 (GS), 2.7 (PAS).
	09	14	09	17.5	36.779	N	5.726	W	10	G		0.8	8	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD). MD 2.7 (SFS).
	09	16	11	51.1?	34.16	S	71.23	W	50	G		0.1	6	NEAR COAST OF CENTRAL CHILE
	09	17	18	46.4	1.461	S	127.546	E	33	N	4.7	0.9	22	HALMAHERA, INDONESIA
	09	17	25	49.7	35.657	N	140.242	E	69		4.3	1.0	40	NEAR EAST COAST OF HONSHU, JAPAN
a	09	18	36	56.1	20.939	N	121.967	E	33	N	5.0 5.3	1.3	133	PHILIPPINE ISLANDS REGION. Mw 5.4 (HRV).
	09	18	37	27.0*	20.688	N	122.019	E	33	N	4.9	1.1	22	PHILIPPINE ISLANDS REGION
	09	18	47	44.4	20.930	N	122.130	E	33	N	4.3	0.9	19	PHILIPPINE ISLANDS REGION
	09	18	50	00.8*	20.812	N	121.999	E	33	N	4.2	1.0	17	PHILIPPINE ISLANDS REGION
	09	18	52	38.7&	45.274	N	7.486	E	10	G		0.5	8	NORTHERN ITALY. ML 2.3 (GEN).
	09	20	01	42.4*	20.826	N	121.956	E	33	N	4.1	1.2	16	PHILIPPINE ISLANDS REGION
	09	20	07	37.8*	20.805	N	121.909	E	33	N	4.0	1.1	12	PHILIPPINE ISLANDS REGION
	09	20	25	46.5	85.569	N	6.421	W	10	G	4.5	0.9	41	NORTH OF SVALBARD
	09	20	44	45.9	45.714	N	26.487	E	148		3.7	1.0	28	ROMANIA
	09	21	28	16.1*	18.931	N	145.561	E	298	D	4.1	0.9	17	MARIANA ISLANDS
	09	21	33	28.5	37.717	N	72.485	E	100	G	4.3	1.0	22	TAJIKISTAN
	09	22	38	55.9&	42.882	N	19.038	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	09	22	47	38.1?	37.05	N	21.51	E	5	G		0.9	4	SOUTHERN GREECE. MD 2.8 (ATH).
	09	23	48	22.1	44.334	N	149.719	E	48	D	5.0 4.5	0.9	112	KURIL ISLANDS
	09	23	58	25.5?	8.85	S	128.35	E	150	G	4.5	1.3	5	TIMOR SEA
	10	00	36	57.1*	82.383	N	72.749	W	10	G	4.3	1.4	33	QUEEN ELIZABETH ISLANDS, CANADA

	10	01	08	56.0%	34.052	S	70.698	W	100	G		0.2	8	CHILE-ARGENTINA BORDER REGION
	10	01	45	45.8	38.722	N	31.064	E	28	*	3.9	1.1	31	TURKEY. ML 4.3 (ISK). Felt in the Afyon area.
	10	02	27	01.2*	5.823	S	146.449	E	60	*	3.6	0.9	11	EASTERN NEW GUINEA REG., P.N.G.
	10	02	27	11.6*	38.008	S	72.961	W	33	N		0.6	11	CENTRAL CHILE
	10	02	58	17.6*	33.212	S	71.720	W	10	G		1.3	12	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	10	03	04	01.9&	37.486	N	118.808	W	11				23	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM). ML 3.1 (BRK).
	10	03	11	32.9*	6.300	S	149.624	E	33	N	4.2	1.4	10	NEW BRITAIN REGION, P.N.G. ML 4.5 (PMG).
	10	03	25	42.3*	8.948	S	105.816	E	33	N	4.4	0.7	12	SOUTH OF JAWA, INDONESIA
	10	04	37	54.3	20.944	N	122.098	E	33	N	4.2	0.7	19	PHILIPPINE ISLANDS REGION
	10	04	48	56.6*	23.168	S	66.491	W	224		4.2	0.6	11	JUJUY PROVINCE, ARGENTINA
	10	04	48	58.5	38.617	N	20.399	E	10	G	4.0	1.5	17	GREECE. ML 3.6 (ROM). MD 3.5 (ATH).
a	10	05	22	22.4	46.121	N	143.484	E	350	D	5.4	0.9	425	SAKHALIN ISLAND. Mw 5.7 (HRV).
	10	06	06	44.2	39.686	N	20.539	E	5	G		1.1	12	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH). ML 3.2 (TIR).
	10	06	20	14.1	4.431	S	151.278	E	33	N	4.8	0.8	40	NEW BRITAIN REGION, P.N.G.
	10	06	29	30.9?	23.84	S	179.63	W	600	G	4.2	0.9	11	SOUTH OF FIJI ISLANDS
	10	07	06	53.9	15.035	N	92.770	W	69	D	4.5	1.0	68	MEXICO-GUATEMALA BORDER REGION
	10	07	21	30.2	18.465	S	69.043	W	134	D	4.7	1.1	79	NORTHERN CHILE
	10	07	24	01.7	38.778	N	30.367	E	10	G		0.5	9	TURKEY
	10	07	28	53.4	38.320	N	21.705	E	5	G		1.1	9	GREECE. MD 3.2 (ATH).
	10	07	31	43.4*	36.039	N	136.673	E	33	N	3.9	0.9	18	NEAR WEST COAST OF HONSHU, JAPAN
	10	08	08	26.6?	48.44	S	100.38	E	10	G	4.5 4.8	1.1	11	SOUTHEAST INDIAN RIDGE
a	10	08	22	37.9	11.524	S	130.822	W	10	G	5.4 4.9	0.9	136	SOUTH PACIFIC OCEAN. Mw 5.4 (HRV). Mo=4.3*10**17 Nm (PPT).
	10	08	48	06.2%	32.692	S	70.610	W	50	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	10	08	49	02.2*	8.068	S	124.041	E	171	?	4.6	1.3	14	TIMOR REGION, INDONESIA
	10	09	05	31.6*	36.180	S	73.293	W	10	G	4.3	0.8	21	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Concepcion and Talcahuano; (II) at Bulnes and Coronel.
	10	09	10	58.6*	44.695	N	147.654	E	33	N	4.3 4.0	1.1	21	KURIL ISLANDS
	10	09	16	49.7&	63.178	N	149.277	W	84				58	CENTRAL ALASKA. <AEIC>.
	10	09	33	36.4&	61.243	N	140.136	W	10	G			24	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 3.1 (PGC), 2.9 (AEIC).
	10	11	13	23.0*	20.894	N	122.111	E	33	N	4.0	1.0	20	PHILIPPINE ISLANDS REGION
	10	12	02	24.0	36.327	N	70.846	E	132	*	4.2	0.8	34	HINDU KUSH REGION, AFGHANISTAN
	10	12	44	23.5?	43.12	N	0.56	W	5	G		0.1	5	PYRENEES. ML 1.0 (STR).
	10	15	20	17.9	40.187	N	142.355	E	51	D	4.3	1.1	49	NEAR EAST COAST OF HONSHU, JAPAN
	10	15	53	58.8	32.609	S	70.256	W	100	G		0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	10	16	42	42.9%	34.208	S	70.693	W	100	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
	10	16	50	10.7*	50.918	N	179.686	E	33	N	3.9	1.0	22	RAT ISLANDS, ALEUTIAN ISLANDS
	10	17	15	35.9%	37.792	N	22.047	E	10	G		0.7	5	SOUTHERN GREECE. ML 3.0 (ATH).
	10	17	56	27.8?	44.58	N	7.24	E	5	G		0.2	4	NORTHERN ITALY. ML 1.8 (GEN).
	10	19	07	32.1	5.076	S	150.662	E	234	*	4.8	0.6	26	NEW BRITAIN REGION, P.N.G.
	10	19	47	01.2?	11.66	N	86.98	W	150	G	3.9	0.9	10	NEAR COAST OF NICARAGUA
	10	20	40	39.0?	20.29	S	178.76	W	600	G	4.5	1.0	15	FIJI ISLANDS REGION
	10	21	14	12.2	7.093	N	72.986	W	166		4.2	0.9	40	NORTHERN COLOMBIA
	10	21	38	09.4%	44.773	N	6.629	E	10	G		0.2	6	FRANCE. ML 1.9 (GEN).
	10	22	01	51.5	43.030	N	0.680	W	5	G		1.1	10	PYRENEES. ML 2.4 (LDG).
	10	22	35	35.8?	51.36	N	16.02	E	10	G		0.1	4	POLAND
	10	22	58	59.8	50.832	N	6.055	E	26			0.8	24	GERMANY. ML 3.0 (LDG), 2.6 (UCC), 2.3 (BNS).
	11	00	00	51.3?	34.59	S	70.37	W	10	G		0.1	6	CHILE-ARGENTINA BORDER REGION
	11	00	09	41.4?	45.69	S	167.92	E	33	N	4.4	1.1	12	SOUTH ISLAND, NEW ZEALAND
	11	01	14	50.0&	59.404	N	152.602	W	90				49	SOUTHERN ALASKA. <AEIC>.
	11	01	32	18.7%	44.555	N	7.482	E	10	G		0.6	5	NORTHERN ITALY. ML 1.9 (GEN).
	11	01	38	08.8*	30.089	N	88.285	E	10	G	4.2	1.0	25	XIZANG
	11	02	09	46.9?	15.28	S	174.56	W	33	N	4.4	0.2	9	TONGA ISLANDS
	11	02	11	36.4?	43.34	N	5.19	E	5	G		0.6	9	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR). Mining induced event in the Gardanne area.
	11	02	25	48.7&	63.614	N	149.742	W	129				31	CENTRAL ALASKA. <AEIC>.
	11	02	31	40.6&	34.285	N	118.512	W	7				17	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS). Felt.
	11	03	25	39.5*	32.242	S	71.553	W	10	G		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
a	11	04	49	56.4	39.445	N	142.016	E	46	D	4.8 4.2	0.8	109	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.1 (HRV). Felt (III JMA) at Ofunato. Also felt in other parts of northern Honshu.
	11	05	39	13.5	31.080	S	67.762	W	10	G	4.7	1.2	51	SAN JUAN PROVINCE, ARGENTINA. Felt (III) in the epicentral area.
	11	05	53	19.5*	56.199	N	161.752	E	33	N	4.0	1.0	12	NEAR EAST COAST OF KAMCHATKA
	11	06	47	21.8*	45.156	N	147.775	E	33	N	4.2	0.5	9	KURIL ISLANDS
	11	06	53	46.6&	61.323	N	151.684	W	85				77	SOUTHERN ALASKA. <AEIC>.
	11	07	25	42.1*	39.459	N	20.240	E	10	G	3.9	1.2	11	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH).
	11	07	26	23.0*	21.137	S	68.536	W	136	*	4.5	1.2	27	CHILE-BOLIVIA BORDER REGION
	11	07	30	03.9?	6.60	S	148.96	E	47	D	4.1	1.4	9	NEW BRITAIN REGION, P.N.G.
	11	08	02	49.0%	43.194	N	5.796	W	10	G		1.3	7	SPAIN. mbLg 3.2 (MDD).
	11	08	15	52.3	36.959	N	83.133	W	1	G	3.7	0.8	27	TENNESSEE. mbLg 3.8 (GS). Probable mine collapse.
	11	08	24	51.4*	20.816	N	121.981	E	33	N	4.6 4.6	1.2	50	PHILIPPINE ISLANDS REGION
	11	08	59	39.1*	14.316	N	92.350	W	33	N	4.1	1.3	21	NEAR COAST OF CHIAPAS, MEXICO
	11	09	04	35.7*	34.621	N	44.996	E	33	N	4.3	1.1	14	IRAQ
	11	09	36	43.8	38.829	N	114.980	W	5	G		0.9	11	NEVADA. ML 3.3 (GS).
	11	09	50	04.4	36.990	N	83.180	W	1	G		0.5	11	TENNESSEE. mbLg 3.3 (GS). Probable mine collapse.
	11	10	20	10.5?	44.14	N	7.41	E	5	G		0.3	7	NORTHERN ITALY. ML 2.2 (LDG), 1.7 (STR).
	11	12	21	47.4?	51.26	N	15.66	E	10	G		1.4	5	POLAND
	11	12	23	17.4*	23.829	N	94.246	E	136	*	4.4	0.6	14	MYANMAR-INDIA BORDER REGION
	11	12	25	07.8*	20.330	S	177.625	W	471	?	4.1	1.0	16	FIJI ISLANDS REGION
	11	12	45	43.5&	65.862	N	149.861	W	28				14	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	11	13	50	20.5%	33.702	S	71.395	W	33	N		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	11	14	07	10.5*	4.467	S	143.940	E	138	*	4.3	1.3	13	NEW GUINEA, PAPUA NEW GUINEA
	11	14	19	02.0?	37.18	N	19.59	E	10	G	3.8	1.5	13	IONIAN SEA
	11	14	44	13.1*	54.251	N	4.115	W	10	G		0.1	6	UNITED KINGDOM. ML 2.3 (BGS).
	11	14	50	37.8*	17.042	S	174.470	W	166	*	4.3	1.2	37	TONGA ISLANDS
a	11	15	21	10.8	44.070	N	148.079	E	33	N	5.9 5.7	0.9	493	KURIL ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Ms 5.3 (BRK). Mo=9.8*10**17 Nm (PPT). Felt (IV) at Yuzhno-Kurilsk.
	11	15	51	04.5*	56.774	N	142.822	W	10	G		0.7	15	GULF OF ALASKA. ML 2.9 (AEIC).
	11	15	59	16.5	32.518	S	70.013	W	121	?		0.3	13	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).

	11	16	57	56.5*	9.139	N	126.222	E	93	?	4.6	1.2	33	MINDANAO, PHILIPPINE ISLANDS
	11	17	09	57.1?	14.46	N	92.63	W	33	N	4.4	1.1	18	NEAR COAST OF CHIAPAS, MEXICO
	11	18	44	17.5%	42.525	N	19.144	E	10	G		0.7	9	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	11	18	53	35.7?	17.55	S	168.49	E	33	N	4.5	1.7	30	VANUATU ISLANDS
	11	19	13	56.7	3.282	S	101.723	E	95	*	4.7	0.6	38	SOUTHERN SUMATERA, INDONESIA
	11	20	44	17.9	44.057	N	147.913	E	33	N	4.7	0.9	86	KURIL ISLANDS
	11	21	09	33.2?	30.90	S	70.26	W	130	G		0.6	13	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	11	21	10	16.0&	40.100	N	76.400	W	5	G			6	PENNSYLVANIA. <MACRO>. MD 2.7 (NED), 2.7 (PAL). Felt (IV) at Adamstown, East Petersburg and Neffsville; (III) at Lancaster, Lititz and Manheim.
	11	21	18	06.2*	1.429	S	14.549	W	10	G	4.5 4.2	0.9	25	NORTH OF ASCENSION ISLAND
	11	21	20	33.2*	7.046	S	128.908	E	33	N	4.1	0.4	15	BANDA SEA
	11	21	42	39.9*	43.793	N	146.712	E	33	N	4.6	1.2	26	KURIL ISLANDS
	11	21	56	07.0%	44.747	N	6.906	E	10	G		0.6	5	FRANCE. ML 1.9 (GEN).
	11	21	56	36.9%	44.742	N	6.881	E	10	G		0.3	5	FRANCE. ML 1.8 (GEN).
	11	22	12	07.1?	6.88	S	12.03	W	10	G	4.1	1.2	11	ASCENSION ISLAND REGION
	11	22	26	07.6?	30.47	N	40.54	W	10	G	4.7 4.1	0.8	34	NORTHERN MID-ATLANTIC RIDGE
	11	22	56	04.2?	29.12	N	34.90	E	10	G		1.1	4	EGYPT. MD 2.1 (RYD).
	11	22	57	22.9*	9.237	N	126.308	E	33	N	4.6	0.8	18	MINDANAO, PHILIPPINE ISLANDS
	11	23	11	30.9%	33.747	S	70.211	W	10	G		0.4	10	CHILE-ARGENTINA BORDER REGION
	12	01	14	12.5%	17.433	N	61.909	W	33	N		0.6	8	LEEWARD ISLANDS. MD 2.7 (TRN).
	12	03	09	01.3?	5.44	S	123.02	E	33	N	3.8	1.6	9	BANDA SEA
a	12	04	40	45.7	40.325	N	143.322	E	29	D	5.0 5.1	0.9	126	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV).
	12	05	30	15.5	30.325	N	140.493	E	139		4.6	0.9	83	SOUTH OF HONSHU, JAPAN
	12	06	14	35.3	2.325	S	138.857	E	33	N	4.5 4.3	0.8	28	IRIAN JAYA, INDONESIA
	12	08	22	54.6	17.644	N	73.772	E	10	G	4.7	0.9	31	SOUTHERN INDIA
	12	08	43	56.9%	33.724	S	70.577	W	90	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
	12	09	21	52.1?	29.74	N	36.17	E	10	G		0.3	6	WESTERN ARABIAN PENINSULA. MD 2.8 (RYD).
	12	09	31	20.0?	7.36	S	127.69	E	33	N	4.2	1.4	9	BANDA SEA
a	12	09	41	55.6	10.774	S	165.979	E	33	N	4.6 4.8	1.0	65	SANTA CRUZ ISLANDS. Mw 5.4 (HRV).
	12	10	02	58.5?	43.34	N	146.47	E	33	N	4.1	1.4	9	KURIL ISLANDS
	12	10	42	53.1?	31.88	S	71.36	W	10	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	12	11	17	15.5*	19.031	N	145.899	E	144	*	4.5	1.1	34	MARIANA ISLANDS
	12	11	44	27.0%	34.117	S	70.307	W	5	G		0.6	7	CHILE-ARGENTINA BORDER REGION
	12	12	03	02.4&	61.061	N	150.313	W	42				48	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
a	12	12	09	41.7	5.346	S	146.731	E	217	G	5.5	1.0	283	EASTERN NEW GUINEA REG., P.N.G. Mw 5.9 (GS), 6.0 (HRV). Depth from broadband displacement seismograms.
	12	12	20	45.5%	34.046	S	70.026	W	5	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	12	12	38	45.5*	47.578	S	100.282	E	10	G	4.4	1.4	12	SOUTHEAST INDIAN RIDGE
	12	14	21	49.1*	47.476	S	100.060	E	10	G	4.5	1.0	18	SOUTHEAST INDIAN RIDGE
	12	14	39	25.7	35.471	N	140.654	E	67		4.8	0.9	112	NEAR EAST COAST OF HONSHU, JAPAN
	12	16	30	01.2?	8.25	S	117.89	E	120	G	3.9	1.3	7	SUMBAWA REGION, INDONESIA
	12	16	31	47.7%	34.864	S	70.226	W	5	G		0.9	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	12	16	44	28.7&	34.190	N	116.431	W	1				20	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS). Felt at Yucca Valley.
	12	16	55	10.9%	34.076	S	69.965	W	5	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	12	17	05	38.6?	34.94	S	70.22	W	5	G		1.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
a	12	17	19	06.2	22.328	N	143.985	E	115	*	4.7	1.1	86	VOLCANO ISLANDS REGION. Mw 5.1 (HRV).
	12	18	12	37.6*	15.416	S	174.041	W	33	N	4.6	1.1	33	TONGA ISLANDS
	12	18	22	07.9?	37.92	N	29.07	E	10	G		0.5	4	TURKEY. MD 3.7 (ATH). Felt in the Denizli area.
	12	18	36	04.3%	43.027	N	1.052	W	10	G		0.3	7	PYRENEES. ML 1.0 (STR).
	12	18	49	36.9?	37.85	N	28.95	E	10	G		0.5	4	TURKEY. MD 3.8 (ATH).
	12	19	39	19.0	43.829	N	8.347	E	5	G		0.5	16	CORSICA. ML 2.4 (GEN), 2.1 (LDG), 2.1 (STR).
	12	20	01	08.0*	24.058	S	179.804	E	582	*	4.3	1.0	27	SOUTH OF FIJI ISLANDS
	12	22	09	30.6	39.920	N	23.320	E	10	G		1.4	14	AEGEAN SEA. MD 3.4 (ATH).
	12	22	26	05.4*	33.544	S	70.193	W	5	G		0.9	12	CHILE-ARGENTINA BORDER REGION
	12	22	42	09.2?	34.81	S	72.32	W	10	G		0.8	8	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	12	22	54	58.2%	34.071	S	69.977	W	5	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	12	23	27	05.8*	42.942	N	140.538	E	33	N	4.4	0.5	11	HOKKAIDO, JAPAN REGION
	12	23	37	25.4?	34.08	S	69.95	W	5	G		0.2	7	CHILE-ARGENTINA BORDER REGION
	12	23	39	12.0?	34.09	S	69.90	W	5	G		0.2	7	CHILE-ARGENTINA BORDER REGION
	13	01	17	51.6?	28.76	N	34.83	E	10	G		0.7	4	EGYPT. MD 2.0 (RYD).
	13	01	58	24.6*	40.668	N	106.834	E	33	N		1.4	7	WESTERN NEI MONGOL, CHINA. ML 4.4 (BJI).
	13	01	58	46.0%	37.847	N	22.316	E	33	N		1.0	5	SOUTHERN GREECE. MD 2.7 (ATH).
	13	02	04	25.2&	34.936	N	116.921	W	0				30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.3 (GS). Felt in the Barstow area.
	13	02	41	40.0*	39.230	N	20.555	E	10	G	4.1	1.6	8	GREECE-ALBANIA BORDER REGION. ML 3.7 (ATH).
	13	02	57	19.1	40.738	N	107.239	E	33	N		1.0	11	WESTERN NEI MONGOL, CHINA. ML 4.1 (BJI).
	13	03	09	42.5*	17.524	N	74.123	E	55	*	4.5	1.2	25	SOUTHERN INDIA
	13	03	54	30.7	3.604	S	80.857	W	35	D	4.6	1.1	56	PERU-ECUADOR BORDER REGION
	13	03	58	46.6?	35.96	N	29.74	E	5	G		0.1	4	EASTERN MEDITERRANEAN SEA. MD 3.8 (ATH).
	13	04	19	18.1	45.408	N	3.101	E	5	G		1.0	17	FRANCE. ML 2.8 (LDG).
	13	04	42	55.5?	15.20	N	92.55	W	130	G	4.2	1.2	16	MEXICO-GUATEMALA BORDER REGION
	13	04	51	34.9&	44.635	N	122.774	W	22				59	OREGON. <SEA-P>. MD 2.7 (SEA). Felt (III) at Lebanon and Sweet Home.
	13	07	08	30.1?	32.52	S	71.84	W	33	N		0.5	8	NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	13	07	12	22.7?	3.11	S	135.92	E	33	N	4.7	1.3	20	IRIAN JAYA REGION, INDONESIA
	13	07	27	12.8*	6.765	S	103.794	E	33	N	4.0	0.7	11	SOUTHWEST OF SUMATERA, INDONESIA
	13	07	46	04.8*	78.411	N	6.824	E	10	G	3.8	1.4	16	SVALBARD REGION
	13	07	54	47.3*	3.436	N	83.184	W	10	G	4.0	0.6	7	OFF COAST OF CENTRAL AMERICA. MD 3.9 (UPA).
	13	08	03	58.3%	34.055	S	69.967	W	5	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
	13	08	19	58.0%	33.988	S	70.149	W	5	G		0.5	8	CHILE-ARGENTINA BORDER REGION
	13	08	23	17.8%	34.037	S	70.021	W	5	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
	13	08	25	04.9*	37.466	N	72.040	E	33	N	4.7	0.8	19	TAJIKISTAN
	13	09	03	55.9?	7.47	N	72.74	W	197	?	4.1	1.2	9	NORTHERN COLOMBIA
	13	09	05	16.7*	22.035	N	94.531	E	138	*	4.3	1.0	17	MYANMAR
	13	09	07	32.0%	41.986	N	19.742	E	5	G		0.5	8	ALBANIA. ML 1.8 (TTG).
	13	09	10	47.3%	33.984	S	70.144	W	5	G		0.6	9	CHILE-ARGENTINA BORDER REGION
	13	09	12	48.8?	34.12	S	69.90	W	5	G		0.4	8	CHILE-ARGENTINA BORDER REGION
	13	09	16	27.2%	34.051	S	69.989	W	5	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
	13	09	54	21.8&	63.117	N	151.466	W	14				47	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.3 (PMR).
	13	10	03	39.8*	28.649	N	51.578	E	33	N	4.2	1.5	17	SOUTHERN IRAN
	13	10	24	49.0?	34.08	S	69.88	W	5	G		0.4	7	CHILE-ARGENTINA BORDER REGION

a	13	10	31	46.4	2.788	S	134.377	E	8	G	5.6	5.6	1.1	197	IRIAN JAYA REGION, INDONESIA. Mw 5.8 (GS), 5.8 (HRV). Ms 5.6 (BRK). Mo=3.2*10**18 Nm (PPT). Felt in the Nabire area. Depth from broadband displacement seismograms.
	13	12	20	17.2?	2.64	N	129.27	E	33	N	4.0		0.7	11	HALMAHERA, INDONESIA
	13	12	50	25.1?	34.51	S	70.56	W	110	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.0 (SAN).
a	13	13	50	31.7*	16.305	S	173.619	W	94	D	4.9		1.2	81	TONGA ISLANDS. Mw 5.2 (HRV).
	13	14	07	16.9&	60.140	N	152.001	W	62					47	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	13	14	08	34.3?	6.14	N	72.72	W	199	?	3.9		1.2	14	NORTHERN COLOMBIA
	13	15	45	48.0&	59.669	N	153.346	W	116					44	SOUTHERN ALASKA. <AEIC>.
	13	17	54	10.7?	34.04	S	69.92	W	5	G			0.4	5	CHILE-ARGENTINA BORDER REGION
	13	17	57	08.3?	11.14	N	62.13	W	100	G			0.6	8	WINDWARD ISLANDS. MD 3.9 (TRN).
	13	18	13	45.3*	7.897	N	75.473	W	33	N	4.3		1.6	14	NORTHERN COLOMBIA. MD 4.4 (UPA).
	13	18	41	34.0&	58.705	N	151.803	W	48					33	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
	13	19	55	28.3	17.602	N	145.521	E	320		4.3		0.7	58	MARIANA ISLANDS
	13	20	53	30.0	40.226	N	142.682	E	35	D	4.8	4.5	1.0	72	NEAR EAST COAST OF HONSHU, JAPAN
	13	22	10	51.8%	47.156	N	0.664	W	10	G			0.3	6	FRANCE. ML 1.9 (LDG).
	13	22	45	07.8	51.430	N	2.954	W	10	G			1.1	30	UNITED KINGDOM. ML 2.6 (LDG), 2.2 (BGS).
	13	22	56	23.0	37.042	N	71.924	E	133	D	4.5		1.2	82	AFGHANISTAN-TAJIKISTAN BORD REG.
	13	23	12	47.3?	34.47	S	70.22	W	5	G			0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	13	23	29	45.9&	60.144	N	146.964	W	0					31	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	14	00	02	46.7%	36.642	N	3.047	W	10	G			0.4	5	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
	14	00	04	28.7?	8.02	S	130.38	E	33	N			1.1	7	TANIMBAR ISLANDS REG., INDONESIA
	14	00	22	44.9?	34.10	S	71.92	W	33	N			0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	14	00	43	22.9	6.796	N	73.041	W	158	D	4.4		1.2	79	NORTHERN COLOMBIA
	14	00	48	48.1&	62.024	N	149.808	W	43					69	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
	14	01	56	21.4?	21.15	S	174.21	W	33	N	4.2		1.0	13	TONGA ISLANDS
	14	02	16	08.5%	45.969	N	2.958	E	10	G			0.3	8	FRANCE. ML 2.0 (LDG).
	14	02	26	22.8	28.199	N	57.145	E	24	D	4.4		0.8	36	SOUTHERN IRAN
	14	02	54	10.1&	63.586	N	150.848	W	13					38	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	14	03	32	32.3*	37.913	S	73.368	W	25	D	5.1		0.9	91	NEAR COAST OF CENTRAL CHILE. Felt (IV) in Arauco Province. Also felt (III) at Concepcion and (II) at Tome.
	14	03	45	14.0*	55.018	N	159.812	W	50		3.1		0.8	19	ALASKA PENINSULA
	14	03	45	24.1%	18.210	N	66.917	W	10	G			1.1	8	PUERTO RICO REGION. MD 3.1 (MPR).
	14	03	51	29.5?	1.01	N	128.42	E	33	N	4.5		0.6	16	HALMAHERA, INDONESIA
	14	04	18	37.9?	51.21	N	179.40	E	33	N	4.4		1.3	13	RAT ISLANDS, ALEUTIAN ISLANDS
	14	05	13	43.5	44.104	N	147.318	E	33	N	4.5		0.8	47	KURIL ISLANDS
	14	05	25	25.2*	6.991	S	147.712	E	68	*			1.4	10	EASTERN NEW GUINEA REG., P.N.G.
	14	05	47	28.5%	44.934	N	7.042	E	10	G			0.7	7	NORTHERN ITALY. ML 2.0 (GEN).
a	14	06	27	17.5	19.029	N	121.377	E	33	N	4.9	4.2	1.1	74	PHILIPPINE ISLANDS REGION. Mw 5.2 (HRV).
a	14	08	13	24.2	4.837	S	144.684	E	100		5.0		0.9	75	NEAR N COAST OF NEW GUINEA, PNG. Mw 5.2 (HRV).
	14	08	28	15.5?	30.50	S	177.87	W	33	N	4.5		1.1	9	KERMADEC ISLANDS, NEW ZEALAND
	14	09	05	30.5&	60.745	N	146.443	W	13		3.6			66	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.8 (PMR).
a	14	10	27	30.7	3.050	N	95.845	E	30	D	5.1	5.2	1.0	84	OFF W COAST OF NORTHERN SUMATERA. Mw 5.5 (HRV).
	14	10	29	36.2*	35.422	N	3.912	W	10	G			0.9	15	STRAIT OF GIBRALTAR. mbLg 3.5 (MDD). MD 3.5 (SFS).
	14	10	48	12.7*	8.020	S	124.378	E	200	*	4.8		1.1	18	TIMOR REGION, INDONESIA
	14	11	23	50.2*	14.860	S	177.547	W	132	?	4.9		1.2	73	FIJI ISLANDS REGION
a	14	12	56	30.6	15.148	S	64.817	W	587	D	5.0		1.1	186	CENTRAL BOLIVIA. Mw 5.6 (HRV).
	14	13	41	30.1*	26.052	N	99.370	E	33	N			0.9	12	YUNNAN, CHINA
	14	15	40	13.9	49.380	N	155.869	E	33	N	4.5		0.8	28	KURIL ISLANDS
	14	16	25	59.0?	33.72	S	71.63	W	10	G			0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	14	17	28	09.5?	44.90	N	6.34	E	5	G			0.4	7	FRANCE. ML 2.1 (GEN).
a	14	17	33	50.7	54.776	N	161.339	W	35	G	6.1	5.9	1.0	563	ALASKA PENINSULA. Mw 6.2 (GS), 6.2 (HRV). Ms 5.9 (BRK). ML 5.5 (PMR). Mo=2.4*10**18 Nm (PPT). Felt (V) at Cold Bay and Sand Point; (IV) at Akutan. King Cove and Perryville; (III) at Chignik, Chignik Lagoon and False Pass. Depth from broadband displacement seismograms.
	14	17	46	03.5*	54.655	N	161.112	W	33	N	4.0		1.7	25	ALASKA PENINSULA
	14	18	31	15.4	45.750	N	26.652	E	93		3.9		1.1	18	ROMANIA
	14	18	39	48.1%	36.164	N	21.489	E	5	G			1.2	7	SOUTHERN GREECE. MD 3.6 (ATH).
	14	19	23	04.2	42.675	N	111.172	W	5	G			0.7	12	EASTERN IDAHO. ML 2.9 (GS).
	14	20	13	20.3%	34.055	S	70.024	W	5	G			0.5	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	14	22	12	27.6	32.513	S	70.281	W	100	G			0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	14	22	13	47.7	38.884	N	107.482	W	1	G			0.8	14	COLORADO. ML 2.9 (GS). Coal bump.
	14	23	00	46.7	46.807	N	6.974	E	10	G			1.0	12	SWITZERLAND. ML 2.1 (LDG), 1.9 (STR).
	14	23	22	49.3	43.771	N	8.447	E	5	G			0.4	12	CORSICA. ML 2.1 (GEN), 2.0 (LDG), 1.8 (STR).
	14	23	26	22.3%	39.184	N	21.812	E	5	G			1.3	10	GREECE. MD 3.3 (ATH).
	14	23	46	22.1?	8.24	S	148.37	E	33	N	4.0		0.8	6	EASTERN NEW GUINEA REG., P.N.G. ML 4.0 (PMG).
	15	00	48	54.4?	34.05	S	69.98	W	5	G			0.4	5	CHILE-ARGENTINA BORDER REGION
a	15	02	31	31.9	15.057	N	118.652	E	27	D	5.1	5.1	1.1	93	PHILIPPINE ISLANDS REGION. Mw 5.4 (HRV).
	15	03	04	07.9*	50.426	N	18.884	E	10	G			1.4	6	POLAND
	15	03	33	15.5%	37.196	N	3.760	W	5	G			0.4	8	SPAIN. mbLg 2.3 (MDD).
	15	04	03	32.8&	36.551	N	120.554	W	2					11	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM). ML 2.5 (GS).
	15	04	49	12.0%	38.082	N	27.128	E	10	G			0.5	6	TURKEY. MD 3.1 (ISK).
	15	05	26	09.8*	8.103	N	82.759	W	33	N			1.0	8	PANAMA-COSTA RICA BORDER REGION. MD 4.1 (UPA).
	15	05	29	11.9*	8.001	S	147.316	E	33	N	4.9		1.0	19	EASTERN NEW GUINEA REG., P.N.G. ML 4.6 (PMG).
	15	05	58	57.7*	40.531	N	23.627	E	10	G			0.6	6	GREECE. MD 2.9 (ATH).
	15	06	48	26.6%	34.061	S	70.330	W	5	G			0.4	5	CHILE-ARGENTINA BORDER REGION
	15	06	51	56.0	6.876	S	126.601	E	474		4.8		0.9	47	BANDA SEA
	15	07	14	01.8*	40.451	N	20.807	E	10	G			0.4	13	GREECE-ALBANIA BORDER REGION. ML 3.4 (TTG).
	15	07	44	35.7&	58.815	N	152.357	W	57					43	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
	15	08	22	58.8&	37.924	N	122.295	W	5					32	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK), 3.0 (GS). Felt in the northeastern San Francisco Bay area from Pinole to Oakland.
	15	08	23	43.4*	49.666	N	13.965	E	5	G			1.0	5	CZECH AND SLOVAK REPUBLICS. ML 2.3 (VIE).
	15	09	20	31.1*	27.617	N	33.933	E	10	G	3.8		0.8	17	EGYPT. ML 4.5 (JER). MD 4.0 (HLW). Felt at Suez.
	15	09	53	49.1	34.215	S	71.635	W	41	D	4.7		1.0	37	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN). Felt (IV) at Rancagua, San Fernando and Santa Cruz; (III) at Santiago; (II) at Curico.
	15	11	35	15.9	75.929	N	7.472	E	10	G	4.6		1.1	68	GREENLAND SEA
	15	11	44	33.0	11.493	N	141.647	E	33	N	4.2		0.9	30	WESTERN CAROLINE ISLANDS
	15	12	08	25.6?	34.77	S	70.35	W	5	G			0.4	5	CHILE-ARGENTINA BORDER REGION

	15	12 30 13.9?	75.89	N	11.45	E	10	G			1.0	7	SVALBARD REGION
	15	12 59 00.5%	44.361	N	6.367	E	5	G			0.4	8	FRANCE. ML 2.2 (GEN).
	15	13 16 40.0	43.845	N	148.059	E	33	N	4.6		0.9	71	EAST OF KURIL ISLANDS
	15	13 56 59.5*	23.369	S	179.992	W	550	G	4.4		0.9	15	SOUTH OF FIJI ISLANDS
	15	15 46 22.3?	34.13	S	71.68	W	50	G			0.2	7	NEAR COAST OF CENTRAL CHILE
	15	16 16 55.3&	59.988	N	153.100	W	114		4.0			100	SOUTHERN ALASKA. <AEIC>.
	15	16 51 49.7	43.929	N	148.044	E	33	N	4.3		0.8	33	EAST OF KURIL ISLANDS
	15	17 25 54.1%	40.815	N	27.879	E	10	G			0.6	8	TURKEY. MD 2.9 (ISK).
	15	17 37 38.8%	44.371	N	6.316	E	5	G			0.3	7	FRANCE. ML 2.2 (GEN).
	15	18 30 12.9%	37.857	N	29.134	E	10	G			1.0	7	TURKEY. MD 3.2 (ISK).
	15	19 42 44.1	43.999	N	7.653	W	10	G	4.4		1.2	160	SPAIN. mbLg 4.2 (MDD). MD 4.2 (SFS). Felt (V) in the Punta de la Estaca de Bares area.
	15	19 55 08.4	73.205	N	8.425	E	10	G			0.8	12	GREENLAND SEA
	15	21 19 44.3*	10.115	N	126.077	E	33	N	3.9		0.7	7	PHILIPPINE ISLANDS REGION
	15	21 35 47.0&	60.938	N	149.368	W	30					62	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC), 2.9 (PMR).
	15	22 15 47.5%	37.843	N	29.163	E	10	G			1.0	7	TURKEY. MD 3.3 (ISK).
	15	22 23 07.9%	34.071	S	69.958	W	5	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	15	22 39 14.4*	8.044	S	147.303	E	33	N	4.6		1.0	35	EASTERN NEW GUINEA REG., P.N.G. ML 4.7 (PMG).
	15	22 57 40.1	2.815	N	128.260	E	147	*	4.8		1.0	45	HALMAHERA, INDONESIA
	16	00 22 08.4%	45.177	N	7.539	E	10	G			0.8	8	NORTHERN ITALY. ML 2.3 (GEN).
	16	01 02 33.0*	4.483	N	62.445	E	10	G	4.4		0.6	9	CARLSBERG RIDGE
	16	01 19 38.1?	25.97	N	140.85	E	401	*	4.0		0.6	15	VOLCANO ISLANDS REGION
	16	02 19 55.1*	2.609	N	96.227	E	33	N			1.4	7	NORTHERN SUMATERA, INDONESIA
	16	03 08 02.1%	34.038	S	69.964	W	5	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	16	03 12 27.8	40.816	N	20.803	E	10	G	4.3		1.6	33	GREECE-ALBANIA BORDER REGION. ML 4.0 (ATH), 3.8 (TTG). Felt (IV) at Resen, former Yugoslav Republic of Macedonia.
	16	03 27 02.3*	30.127	N	67.569	E	29	D	4.8	4.2	1.1	76	PAKISTAN
	16	03 37 52.0%	34.038	S	69.952	W	5	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	16	03 38 20.3	34.043	S	69.938	W	5	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	16	03 56 39.1*	16.545	S	167.794	E	33	N	4.5		1.0	14	VANUATU ISLANDS
a	16	04 34 44.8	21.605	S	176.477	W	182	D	5.5		1.0	357	FIJI ISLANDS REGION. Mw 5.7 (HRV). mb 5.4 (BRK).
	16	05 28 31.4*	11.516	N	87.011	W	33	N	4.3		0.9	27	NEAR COAST OF NICARAGUA
	16	05 56 44.7%	37.895	N	29.185	E	10	G			0.6	8	TURKEY. MD 3.5 (ISK).
	16	06 07 01.9	35.266	N	3.915	W	10	G			1.0	21	STRAIT OF GIBRALTAR. MD 3.7 (SFS), 3.6 (RBA). mbLg 3.5 (MDD).
	16	06 25 10.8	38.656	N	20.345	E	33	N	4.5		1.4	113	GREECE. ML 4.6 (TTG), 4.3 (THE).
	16	06 46 47.4%	44.513	N	7.015	E	5	G			0.7	6	NORTHERN ITALY. ML 2.0 (GEN).
	16	06 47 51.7	38.601	N	20.309	E	33	N	4.0		1.2	51	GREECE. ML 4.0 (ATH), 3.9 (TTG), 3.7 (THE), 3.6 (ROM).
	16	07 22 06.3	44.672	N	149.292	E	33	N	4.3		0.9	41	KURIL ISLANDS
	16	07 29 56.5%	37.340	N	2.145	W	5	G			0.2	6	SPAIN. mbLg 3.0 (MDD).
	16	07 39 17.6	37.052	N	29.050	E	10	G			0.5	6	TURKEY. MD 3.5 (ISK).
	16	07 52 14.9*	21.602	N	143.072	E	275	?	4.1		0.5	18	MARIANA ISLANDS REGION
	16	08 11 16.0	42.217	N	142.473	E	21	D	5.1	4.1	0.9	155	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Urakawa.
	16	08 35 43.0%	43.964	N	7.238	E	5	G			0.9	9	NEAR SOUTH COAST OF FRANCE. ML 2.2 (GEN).
	16	08 49 35.8	21.978	N	142.976	E	253		4.9		0.8	137	MARIANA ISLANDS REGION
	16	09 36 33.5?	31.42	S	69.17	W	150	G			0.7	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.3 (SAN).
	16	09 43 40.7?	39.73	N	27.76	E	10	G			0.4	6	TURKEY. MD 2.8 (ISK).
	16	09 49 08.6*	75.762	N	9.231	E	10	G			0.1	6	GREENLAND SEA. ML 2.5 (NAO).
	16	09 57 45.5%	44.471	N	9.894	E	5	G			0.5	7	NORTHERN ITALY. ML 2.2 (GEN).
	16	10 22 54.8%	44.447	N	9.885	E	5	G			0.8	6	NORTHERN ITALY. ML 2.1 (GEN).
	16	11 01 51.2?	39.16	N	27.52	E	10	G			1.0	4	TURKEY. MD 2.6 (ISK).
	16	11 07 28.4*	26.517	N	44.592	W	10	G	4.5		0.9	15	NORTHERN MID-ATLANTIC RIDGE
	16	11 10 59.1	38.261	N	142.750	E	29	D	5.0	4.7	0.8	122	NEAR EAST COAST OF HONSHU, JAPAN
	16	11 25 17.2	43.412	N	5.459	E	5	G			0.9	26	NEAR SOUTH COAST OF FRANCE. Mining induced event in the Gardanne area.
	16	11 30 38.6?	60.57	N	5.07	E	5	G			0.4	4	SOUTHERN NORWAY. MD 1.1 (BER).
	16	12 04 49.3&	58.464	N	154.546	W	0					47	ALASKA PENINSULA. <AEIC>. ML 3.2 (AEIC), 3.6 (PMR).
	16	12 08 30.7&	63.958	N	150.204	W	11					39	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
	16	12 09 19.3&	58.469	N	154.716	W	1					21	ALASKA PENINSULA. <AEIC>. ML 2.9 (AEIC).
	16	12 16 57.3&	59.796	N	152.030	W	86					40	SOUTHERN ALASKA. <AEIC>.
	16	12 17 20.6?	3.24	N	128.23	E	164	?	4.0		0.4	13	NORTH OF HALMAHERA, INDONESIA
	16	12 48 41.8%	44.601	N	7.207	E	10	G			0.6	5	NORTHERN ITALY. ML 1.8 (GEN).
	16	13 11 06.4?	39.13	N	27.57	E	10	G			0.1	4	TURKEY. MD 2.7 (ISK).
	16	13 18 08.8*	53.826	N	160.577	E	33	N	4.1		0.9	18	NEAR EAST COAST OF KAMCHATKA
	16	13 32 06.6%	11.302	N	61.794	W	10	G			0.9	5	WINDWARD ISLANDS. MD 3.0 (TRN).
	16	14 10 52.2&	60.427	N	150.339	W	40					50	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
	16	14 16 29.1*	51.060	N	178.849	W	33	N	4.1		1.1	18	ANDREANOF ISLANDS, ALEUTIAN IS.
	16	14 33 49.0	29.193	S	68.411	W	112	D	5.1		1.0	111	SAN JUAN PROVINCE, ARGENTINA
	16	15 08 33.2	35.672	N	137.412	E	10	G	4.3	3.9	1.3	53	EASTERN HONSHU, JAPAN
	16	16 01 59.5*	51.588	N	16.152	E	10	G			1.4	10	POLAND. ML 2.6 (MOX).
	16	16 20 00.5?	26.77	N	54.60	E	33	N	4.0		1.4	14	SOUTHERN IRAN
	16	16 38 20.5%	44.547	N	7.299	E	5	G			0.3	6	NORTHERN ITALY. ML 1.7 (GEN).
	16	17 19 49.9%	40.573	N	28.131	E	10	G			0.1	5	TURKEY. MD 2.7 (ISK).
	16	20 08 07.0*	46.019	N	10.948	E	10	G			0.8	10	NORTHERN ITALY. ML 2.8 (VIE).
	16	21 20 33.0?	39.48	N	28.89	E	5	G			0.6	5	TURKEY. MD 2.6 (ISK).
	16	21 26 20.3*	51.247	N	15.975	E	10	G			0.8	6	POLAND. ML 2.3 (MOX).
	16	21 43 00.5*	75.889	N	7.926	E	10	G	4.0		1.6	21	GREENLAND SEA
	16	22 00 14.8*	11.008	N	93.639	E	138	D	4.5		0.9	51	ANDAMAN ISLANDS, INDIA
	16	22 17 24.3*	62.269	N	6.450	E	10	G			0.9	6	SOUTHERN NORWAY. MD 2.5 (BER). ML 2.3 (NAO).
	16	22 43 08.9?	32.94	S	72.00	W	10	G			0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	16	22 45 36.5%	33.556	S	70.244	W	110	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 2.2 (SAN).
	16	23 03 48.0?	30.20	N	88.05	E	33	N	4.2		1.1	12	XIZANG
	16	23 25 55.9*	29.940	N	87.954	E	17		4.4		0.8	21	XIZANG
	16	23 28 48.1	44.392	N	10.057	E	10	G			1.0	47	NORTHERN ITALY. ML 3.1 (LDG). MD 2.9 (STR).
	16	23 47 13.2*	52.645	S	27.539	E	10	G	4.4		0.9	15	SOUTH OF AFRICA
	17	00 31 48.7&	40.430	N	125.175	W	0					31	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.6 (GM). ML 3.5 (BRK), 3.4 (GS).
	17	00 46 29.9*	49.654	N	14.089	E	10	G			1.7	7	CZECH AND SLOVAK REPUBLICS
	17	01 05 07.0%	33.080	S	70.111	W	120	G			0.4	11	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
a	17	02 18 39.3	13.175	S	166.821	E	33	N	5.8	5.2	1.2	207	VANUATU ISLANDS. Mw 5.5 (HRV). Ms 5.2 (BRK).
	17	02 36 43.4%	33.397	S	70.490	W	100	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).

	17	02	43	19.8*	49.649	N	13.990	E	10	G		1.6	5	CZECH AND SLOVAK REPUBLICS
	17	04	46	57.7?	32.37	S	71.72	W	33	N		0.5	13	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	17	05	14	38.3?	39.49	N	28.22	E	10	G		0.6	5	TURKEY. MD 2.7 (ISK).
	17	05	32	58.7?	15.02	S	174.62	W	33	N	4.3	1.2	9	TONGA ISLANDS
	17	05	57	10.8&	34.575	N	116.589	W	6				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS).
	17	07	03	07.4%	44.479	N	7.293	E	5	G		0.4	6	NORTHERN ITALY. ML 1.7 (GEN).
	17	08	11	57.0?	34.09	S	70.40	W	5	G		0.8	4	CHILE-ARGENTINA BORDER REGION
	17	08	54	13.6*	61.120	N	3.167	E	10	G		1.2	14	NORWEGIAN SEA. MD 2.2 (BER). ML 2.2 (NAO).
	17	09	57	38.6*	44.620	N	148.994	E	33	N	3.8	0.8	10	KURIL ISLANDS
	17	10	09	30.9?	39.52	N	29.51	E	10	G		0.8	5	TURKEY. MD 2.7 (ISK).
	17	10	20	18.2?	44.13	N	8.13	E	5	G		0.6	7	NORTHERN ITALY. ML 2.7 (LDG).
	17	10	25	39.3%	41.080	N	28.686	E	10	G		0.7	9	TURKEY. MD 2.7 (ISK).
	17	11	32	28.6%	37.938	N	28.099	E	10	G		0.7	7	TURKEY. MD 3.3 (ISK).
	17	11	36	50.5%	37.775	N	28.005	E	10	G		1.1	7	TURKEY. MD 3.2 (ISK).
	17	11	58	56.3&	33.620	N	116.718	W	12				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS).
	17	12	18	26.4%	16.129	N	60.915	W	33	N		0.3	10	LEEWARD ISLANDS. MD 3.7 (TRN).
	17	12	31	18.9&	59.817	N	145.639	W	10	G			31	GULF OF ALASKA. <AEIC>. ML 2.8 (AEIC).
	17	12	42	11.7?	40.75	N	27.89	E	10	G		0.2	4	TURKEY. MD 2.6 (ISK).
	17	12	42	52.8*	37.724	N	6.589	W	10	G		0.8	5	SPAIN. MD 2.5 (SFS).
	17	13	00	56.0%	36.480	N	4.415	W	10	G		1.2	8	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
	17	13	35	28.6	44.467	N	116.053	W	5	G		0.8	13	WESTERN IDAHO. ML 3.5 (GS), 3.5 (BUT).
	17	13	36	55.3	36.919	N	4.303	W	60	G		1.1	66	STRAIT OF GIBRALTAR. MD 4.0 (SFS), 3.7 (RBA), 3.6 (MDD). Felt (V) in the Malaga area, Spain.
	17	14	04	13.5	37.233	N	3.757	W	10	G		1.0	50	SPAIN. mbLg 3.9 (MDD). MD 3.7 (SFS), 3.4 (RBA). Felt (IV) in the Chimeneas area.
	17	14	06	45.1&	59.849	N	145.676	W	14				38	GULF OF ALASKA. <AEIC>. ML 3.2 (AEIC).
	17	14	19	06.1*	2.955	N	127.661	E	33	N	4.9	1.0	27	NORTHERN MOLUCCA SEA
	17	15	23	30.6&	60.005	N	152.541	W	101				41	SOUTHERN ALASKA. <AEIC>.
	17	16	21	45.0?	9.45	S	127.90	E	33	N	3.8	0.8	7	TIMOR SEA
	17	17	16	47.2?	50.16	N	19.03	E	10	G		0.7	5	POLAND
	17	18	46	44.1&	61.315	N	149.824	W	44				40	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	17	18	50	39.4	44.573	N	6.839	E	5	G		0.3	22	FRANCE. ML 2.9 (GEN), 2.5 (LDG).
	17	20	34	06.5?	28.88	S	69.79	W	33	N		1.2	18	CHILE-ARGENTINA BORDER REGION
	17	20	55	27.6?	32.83	S	70.20	W	110	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	17	20	59	19.7?	26.67	N	126.08	E	33	N	4.0	0.5	11	RYUKYU ISLANDS
	17	21	34	23.5%	39.584	N	28.016	E	10	G		0.9	8	TURKEY. MD 2.8 (ISK).
	17	21	38	01.9	33.341	S	70.558	W	80	G		0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN). Felt (III) at Santiago, Chile.
	17	22	19	50.2	39.911	N	19.979	E	10	G		1.4	18	GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH). ML 3.1 (TTG).
	17	22	36	20.3*	34.293	N	25.110	E	33	N	3.8	1.3	20	CRETE
	17	23	17	08.9*	31.968	S	71.660	W	33	N		0.3	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	17	23	43	55.5*	61.918	N	4.392	E	10	G		1.2	15	SOUTHERN NORWAY. ML 2.8 (NAO). MD 2.7 (BER).
	18	01	01	33.2%	33.745	S	70.546	W	90	G		0.3	8	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
	18	01	05	22.8&	61.623	N	150.853	W	62				42	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	18	01	08	53.3?	5.81	S	147.65	E	151	*	4.2	1.2	8	EASTERN NEW GUINEA REG., P.N.G.
	18	01	17	56.9	8.887	S	157.232	E	25	D	5.1	0.9	75	SOLOMON ISLANDS
	18	01	51	42.5%	39.553	N	28.794	E	10	G		0.8	9	TURKEY. MD 2.8 (ISK).
	18	02	06	12.4&	59.911	N	152.216	W	82				52	SOUTHERN ALASKA. <AEIC>.
	18	02	41	40.2?	36.98	N	2.84	W	10	G		0.1	4	STRAIT OF GIBRALTAR. mbLg 2.0 (MDD).
	18	03	24	44.3%	41.974	N	19.762	E	10	G		0.4	9	ALBANIA. ML 1.9 (TTG).
	18	03	36	14.3*	1.989	N	128.807	E	33	N	4.7 4.3	1.0	47	HALMAHERA, INDONESIA
	18	03	40	14.5*	30.532	N	42.280	W	10	G	4.0	1.2	11	NORTHERN MID-ATLANTIC RIDGE
	18	05	03	13.3	20.409	N	145.713	E	33	N	4.6	0.7	27	MARIANA ISLANDS
	18	06	15	47.2%	37.845	N	4.052	W	10	G		0.5	5	SPAIN. mbLg 2.2 (MDD).
	18	07	03	28.2?	31.00	S	178.76	W	33	N	4.6	0.9	12	KERMADEC ISLANDS REGION
	18	07	09	32.7*	43.132	N	13.334	E	10	G		1.3	19	CENTRAL ITALY. ML 3.3 (LDG), 3.0 (VIE).
	18	07	24	53.5*	28.192	S	176.496	W	37	D	4.8 4.8	1.1	41	KERMADEC ISLANDS REGION
	18	08	30	14.8&	34.030	N	116.955	W	12				36	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.1 (GS).
	18	08	45	17.1%	44.855	N	6.573	E	5	G		0.5	10	FRANCE. ML 2.7 (GEN).
a	18	09	27	19.3	29.267	N	140.684	E	104	D	5.4	0.8	237	SOUTH OF HONSHU, JAPAN. Mw 5.3 (HRV).
	18	09	59	10.1?	40.54	N	28.08	E	10	G		0.1	4	TURKEY. MD 2.5 (ISK).
	18	10	45	23.5%	39.174	N	27.481	E	10	G		0.4	5	TURKEY. MD 2.7 (ISK).
	18	10	47	40.0?	39.56	N	29.49	E	10	G		0.9	6	TURKEY. MD 2.9 (ISK).
	18	10	55	39.4*	44.179	N	149.731	E	33	N	4.2	1.0	13	KURIL ISLANDS
	18	13	08	26.8?	40.09	N	27.93	E	10	G		0.2	4	TURKEY. MD 2.4 (ISK).
	18	13	40	33.4	37.110	N	2.142	W	10	G		0.9	34	SPAIN. mbLg 3.9 (MDD). Felt (III) in the Lucainena de las Torres area.
	18	13	54	35.9?	20.21	S	177.37	W	500	G	4.2	0.7	9	FIJI ISLANDS REGION
	18	14	08	34.0?	39.55	N	29.64	E	5	G		1.2	5	TURKEY. MD 2.7 (ISK).
	18	14	10	47.7*	37.289	N	71.781	E	64	*	4.5	1.0	40	AFGHANISTAN-TAJIKISTAN BORD REG.
	18	14	27	40.6&	60.138	N	152.728	W	108				45	SOUTHERN ALASKA. <AEIC>.
	18	15	16	56.5?	32.67	S	71.79	W	10	G		0.8	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	18	15	24	19.0	24.015	S	66.771	W	192		4.4	1.1	39	SALTA PROVINCE, ARGENTINA
	18	16	14	51.2?	39.93	N	29.09	E	10	G		0.2	4	TURKEY. MD 2.6 (ISK).
	18	16	28	19.1*	38.499	N	20.467	E	33	N		1.4	7	GREECE. MD 3.3 (ATH).
	18	17	00	52.0*	17.923	S	178.444	W	560	*	4.6	1.3	106	FIJI ISLANDS REGION
	18	17	31	40.3?	36.92	N	3.70	W	10	G		0.0	4	STRAIT OF GIBRALTAR. mbLg 2.3 (MDD).
	18	18	02	36.6	42.422	N	87.199	E	22	D	5.2	1.0	196	NORTHERN XINJIANG, CHINA. ML 5.4 (BJI).
	18	19	15	46.4*	32.036	S	72.809	W	33	N		0.5	11	OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	18	19	23	04.4	2.271	N	124.824	E	280	*	4.8	0.5	20	CELEBES SEA
	18	19	47	13.7%	37.160	N	27.971	E	10	G		1.0	7	TURKEY. MD 3.5 (ISK).
	18	20	26	33.9	8.150	S	117.851	E	33	N	4.6	0.9	15	SUMBAWA REGION, INDONESIA
	18	21	08	23.5	40.753	N	25.559	E	10	G		0.8	15	AEGEAN SEA. MD 3.6 (ISK), 3.3 (ATH).
	18	21	22	11.0?	20.40	N	146.33	E	33	N	4.3	0.6	16	MARIANA ISLANDS REGION
	18	22	06	21.0&	35.425	N	84.922	W	17				13	TENNESSEE. <TVA-P>. MD 3.3 (TVA).
	18	22	15	05.4	47.512	N	5.818	E	10	G		1.3	12	FRANCE. ML 2.6 (LDG).
	18	22	32	39.3?	34.10	S	69.93	W	5	G		0.4	7	CHILE-ARGENTINA BORDER REGION
	19	00	28	26.7?	36.88	N	29.04	E	10	G		0.6	4	TURKEY. MD 3.1 (ISK).
	19	00	34	52.9	8.019	S	122.511	E	186	*	4.9	0.6	22	FLORES REGION, INDONESIA
	19	00	52	27.5?	40.53	N	22.53	E	10	G		1.0	5	GREECE
	19	01	52	39.3*	41.103	N	15.054	E	10	G	4.2	1.3	13	SOUTHERN ITALY
	19	02	31	48.3%	40.803	N	27.761	E	10	G		0.3	6	TURKEY. MD 2.8 (ISK).

	19	03	09	13.3%	37.066	N	2.311	W	5	G			1.2	5	SPAIN. mbLg 2.2 (MDD).
	19	03	13	53.2?	36.35	N	10.08	W	33	N			1.1	12	NORTH ATLANTIC OCEAN. mbLg 3.7 (MDD). MD 3.0 (RBA).
	19	03	41	20.0	35.336	N	4.031	W	10	G			1.3	24	STRAIT OF GIBRALTAR. mbLg 3.5 (MDD). MD 3.3 (RBA), 3.0 (SFS).
	19	04	00	34.1%	36.849	N	4.319	W	33	N			0.8	8	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
	19	04	20	56.3	8.083	N	93.819	E	35	*	4.9	4.7	1.3	100	NICOBAR ISLANDS, INDIA
	19	04	25	54.3?	37.30	N	28.57	E	10	G			0.1	4	TURKEY. MD 3.1 (ISK).
	19	04	34	13.8*	8.230	N	94.013	E	43	?	4.5		1.3	30	NICOBAR ISLANDS, INDIA
	19	05	44	18.9?	35.94	N	21.45	E	30	*	4.2		1.5	13	CENTRAL MEDITERRANEAN SEA. ML 3.6 (ATH).
	19	06	07	08.1*	43.555	N	146.932	E	33	N	4.4		1.3	20	KURIL ISLANDS
	19	06	12	09.6	24.536	N	127.643	E	33	N	4.7		0.9	24	SOUTHEAST OF RYUKYU ISLANDS
	19	07	09	15.7%	43.473	N	17.650	E	10	G			1.1	10	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
	19	08	03	29.2?	2.72	N	128.65	E	33	N	4.3		1.5	4	HALMAHERA, INDONESIA
	19	08	20	18.2%	36.424	N	4.008	W	5	G			0.8	6	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
	19	08	51	04.7%	39.107	N	27.598	E	10	G			0.5	5	TURKEY. MD 2.7 (ISK).
	19	08	58	44.8%	44.442	N	7.324	E	5	G			0.2	8	NORTHERN ITALY. ML 2.2 (GEN).
	19	09	33	04.8%	39.092	N	27.603	E	10	G			1.5	5	TURKEY. MD 2.6 (ISK).
	19	09	35	26.2%	38.034	N	30.103	E	10	G			0.5	5	TURKEY. MD 2.9 (ISK).
	19	09	52	34.0	6.247	S	131.378	E	33	N	5.1		1.0	57	TANIMBAR ISLANDS REG., INDONESIA
	19	10	07	03.3?	39.42	N	29.73	E	10	G			0.6	6	TURKEY. MD 2.7 (ISK).
	19	10	24	18.3	40.214	N	142.611	E	33	N	4.2		1.0	28	NEAR EAST COAST OF HONSHU, JAPAN
	19	11	08	51.5?	34.91	N	25.68	E	5	G			0.9	5	CRETE. MD 3.6 (ATH).
	19	11	43	30.2	43.902	N	147.891	E	47	D	5.3		0.8	255	KURIL ISLANDS. Felt (III) at Kurilsk and Yuzhno-Kurilsk.
	19	11	44	02.2%	39.390	N	0.045	W	10	G			1.2	5	SPAIN. mbLg 2.9 (MDD).
	19	12	27	00.7	44.891	N	6.744	E	5	G			1.0	16	FRANCE. ML 2.5 (GEN), 2.3 (LDG), 2.3 (STR).
	19	12	36	28.9?	39.06	N	27.48	E	10	G			1.3	4	TURKEY. MD 2.8 (ISK).
	19	12	40	00.8%	39.175	N	27.537	E	10	G			0.2	5	TURKEY. MD 2.7 (ISK).
	19	13	28	50.0?	37.44	N	30.02	E	10	G			0.9	4	TURKEY. MD 3.1 (ISK).
	19	14	13	07.5*	36.482	N	27.191	E	117	?			0.2	6	DODECANESE ISLANDS
	19	14	43	03.0*	4.185	N	95.722	E	61	D	4.2		1.1	24	NORTHERN SUMATERA, INDONESIA
	19	14	52	46.6&	37.621	N	118.860	W	7					43	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.5 (GM). ML 3.3 (GS), 3.2 (BRK). Multiple event.
	19	15	06	15.0%	41.134	N	28.481	E	10	G			0.7	7	TURKEY. MD 2.7 (ISK).
	19	15	43	45.0&	37.519	N	118.429	W	2					36	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.3 (GS), 3.2 (BRK). Felt at Bishop, California.
a	19	15	59	19.8*	8.661	S	108.946	W	10	G	4.9	5.1	1.3	67	CENTRAL EAST PACIFIC RISE. Mw 5.5 (HRV).
	19	16	32	10.2&	37.531	N	118.432	W	9					45	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.4 (GM). ML 3.4 (BRK).
	19	16	44	48.8*	9.876	N	92.902	E	33	N	4.3		1.5	13	NICOBAR ISLANDS, INDIA
	19	16	58	14.1	36.419	N	70.813	E	192	*	4.5		0.9	43	HINDU KUSH REGION, AFGHANISTAN
a	19	17	04	07.7	7.478	N	76.725	W	35		4.8	4.9	1.2	106	NORTHERN COLOMBIA. Mw 5.3 (HRV). MD 5.3 (UPA). Felt in Antioquia Department.
	19	17	07	41.5*	39.127	N	20.557	E	33	N			0.3	5	GREECE-ALBANIA BORDER REGION. MD 2.8 (ATH).
	19	17	19	07.2*	7.656	N	76.610	W	33	N	4.5		0.9	15	NORTHERN COLOMBIA
	19	17	41	41.0	44.057	N	147.101	E	33	N	4.6	4.0	1.0	59	KURIL ISLANDS
	19	17	42	54.8	7.495	N	76.664	W	33	N	4.1		1.0	21	NORTHERN COLOMBIA
	19	18	05	38.2	11.724	N	126.603	E	33	N	4.4		0.6	28	PHILIPPINE ISLANDS REGION
a	19	18	34	04.4	4.231	S	135.013	E	19	G	5.6	6.1	1.2	196	IRIAN JAYA REGION, INDONESIA. Mw 6.0 (GS), 6.1 (HRV). Ms 6.1 (BRK). Mo=6.1*10**18 Nm (PPT). Felt in much of Irian Jaya. Depth from broadband displacement seismograms.
	19	18	36	43.9	35.000	N	104.212	W	5	G			0.8	15	NEW MEXICO. mbLg 3.3 (GS).
	19	18	59	30.5	66.327	N	64.818	W	10	G	4.4		0.6	35	BAFFIN ISLAND REGION, CANADA
	19	19	32	20.4*	36.758	N	21.236	E	33	N	4.1		1.5	19	SOUTHERN GREECE. MD 3.4 (ATH).
	19	19	51	22.8?	4.97	S	133.77	E	33	N	4.1		1.5	6	IRIAN JAYA REGION, INDONESIA
	19	20	13	23.0	7.329	S	126.620	E	331	*	4.7		0.7	28	BANDA SEA
	19	22	08	08.8	8.383	N	127.429	E	33	N	4.5		0.8	38	PHILIPPINE ISLANDS REGION
	19	22	08	12.0	44.341	N	7.361	E	10	G			0.9	16	NORTHERN ITALY. ML 2.3 (LDG), 2.2 (GEN), 1.8 (STR).
	19	22	13	40.7&	37.622	N	118.866	W	8					37	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
	19	22	25	59.1	6.786	N	73.043	W	169	D	4.3		1.0	40	NORTHERN COLOMBIA
	19	22	48	35.0	22.523	N	143.103	E	155	*	4.2		0.9	30	VOLCANO ISLANDS REGION
	19	23	44	43.0&	63.051	N	150.960	W	119		3.2			79	CENTRAL ALASKA. <AEIC>.
a	19	23	53	14.9	4.183	S	135.109	E	33	N	6.2	7.1	1.4	334	IRIAN JAYA REGION, INDONESIA. Mw 6.8 (GS), 6.9 (HRV). Ms 7.1 (BRK). Mo=7.8*10**19 Nm (PPT). Some minor damage to buildings in the Ayam, Fakfak and Nabire areas. Felt in much of Irian Jaya. Two events about 2.5 seconds apart observed on broadband displacement seismograms.
	20	00	22	19.0	4.096	S	135.035	E	33	N	5.1		1.2	39	IRIAN JAYA REGION, INDONESIA
	20	00	35	50.3*	4.173	S	134.969	E	33	N	5.2		1.4	54	IRIAN JAYA REGION, INDONESIA
	20	01	01	48.1&	62.905	N	150.407	W	92					72	CENTRAL ALASKA. <AEIC>.
	20	01	07	42.8	9.517	S	118.997	E	75	*	4.8		1.2	29	SUMBAWA REGION, INDONESIA
	20	01	30	03.5?	35.60	N	4.61	W	20	G			1.5	12	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
	20	02	24	53.3	3.953	S	135.321	E	33	N	5.1		1.0	83	IRIAN JAYA REGION, INDONESIA
	20	02	45	28.4%	33.655	S	69.985	W	5	G			0.4	12	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	20	03	12	37.7?	22.39	N	94.12	E	107	*	4.1		0.7	22	MYANMAR
	20	03	31	25.0&	37.626	N	118.868	W	8					30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
	20	03	45	05.9%	34.111	S	69.931	W	5	G			0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	20	03	52	47.3	12.486	S	166.475	E	53	D	5.0		1.4	85	SANTA CRUZ ISLANDS
	20	04	10	30.8*	4.201	S	134.887	E	84	?	4.3		1.1	19	IRIAN JAYA REGION, INDONESIA
	20	04	43	15.2%	34.079	S	70.002	W	5	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	20	04	53	12.3%	34.100	S	69.947	W	5	G			0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	20	05	06	20.9?	34.11	S	69.93	W	5	G			0.2	7	CHILE-ARGENTINA BORDER REGION
	20	05	07	08.5	33.124	S	70.430	W	90	G			0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	20	05	10	51.3%	34.095	S	69.955	W	5	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	20	06	11	46.9	4.243	S	134.906	E	30	D	5.2	4.7	1.0	69	IRIAN JAYA REGION, INDONESIA
	20	06	19	59.5	4.209	S	135.232	E	33	N	4.9	4.7	1.4	51	IRIAN JAYA REGION, INDONESIA
	20	07	13	17.7*	4.197	S	135.491	E	33	N	4.7		1.3	28	IRIAN JAYA REGION, INDONESIA
	20	07	39	04.9?	4.25	S	135.31	E	33	N	4.6		1.6	8	IRIAN JAYA REGION, INDONESIA
	20	07	43	24.2	4.130	S	134.852	E	33	N	5.0		0.9	45	IRIAN JAYA REGION, INDONESIA
a	20	08	14	51.9	8.012	S	116.494	E	232	D	5.3		1.1	163	SUMBAWA REGION, INDONESIA. Mw 5.8 (HRV).
	20	08	29	51.4&	20.018	N	156.591	W	51		4.6			53	HAWAII. <HVO-P>. MD 4.5 (HVO). Felt (IV) at Kapaau,

														Ookala, Paauilo and Papaaloa; (III) at Hawi, Holualoa, Kohala and Ninole. Also felt (IV) at Kahului and (III) at Haiku, Hana and Makawao, Maui.
	20	09	09	37.1?	4.33	S	134.79	E	33	N	4.3		1.4	8 IRIAN JAYA REGION, INDONESIA
	20	09	51	40.5	1.187	N	100.349	E	220		4.8		0.7	100 NORTHERN SUMATERA, INDONESIA
	20	09	59	12.0*	38.835	N	21.787	E	33	N			1.6	6 GREECE. MD 3.2 (ATH).
	20	10	05	28.6&	58.866	N	152.419	W	54		4.6			194 KODIAK ISLAND REGION. <AEIC>. ML 4.6 (AEIC), 4.7 (PMR). Felt (II) at Kenai.
	20	10	07	07.6	4.276	S	134.855	E	33	N	4.8		1.0	40 IRIAN JAYA REGION, INDONESIA
	20	10	10	42.4&	58.872	N	152.461	W	48					40 KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
a	20	10	48	53.8	4.212	S	134.709	E	33	N	5.5	4.8	1.2	98 IRIAN JAYA REGION, INDONESIA. Mw 5.4 (HRV). Felt at Tembagapura.
	20	11	09	06.0?	39.46	N	29.63	E	10	G			0.6	5 TURKEY. MD 2.7 (ISK).
	20	11	39	54.3%	33.122	S	70.342	W	100	G			0.4	10 CHILE-ARGENTINA BORDER REGION. MD 2.3 (SAN).
	20	12	36	28.2?	4.25	S	135.06	E	33	N	4.7		1.4	14 IRIAN JAYA REGION, INDONESIA
	20	12	46	16.3	40.179	N	108.925	W	5	G	4.2		1.0	37 COLORADO. ML 4.1 (GS). Felt (V) at Dinosaur and Rangely. Felt (III) at Jensen, Utah.
	20	13	07	27.4&	58.860	N	152.457	W	54					38 KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
	20	13	16	12.5	40.175	N	108.919	W	5	G			0.8	13 COLORADO. ML 2.7 (GS).
	20	13	32	43.8?	4.18	S	135.07	E	33	N	3.7		1.5	6 IRIAN JAYA REGION, INDONESIA
	20	14	33	59.5	40.146	N	109.033	W	5	G			0.7	9 UTAH. ML 2.5 (GS).
	20	14	34	37.3?	4.30	S	135.05	E	33	N	4.1		1.7	5 IRIAN JAYA REGION, INDONESIA
	20	14	49	18.1	13.321	N	89.227	W	83		4.8		1.1	92 EL SALVADOR. Felt (III) at San Salvador.
	20	15	13	49.3%	34.394	S	71.190	W	60	G			0.1	10 NEAR COAST OF CENTRAL CHILE. MD 3.0 (SAN).
	20	15	35	49.8*	16.397	S	73.506	W	34	D	4.4		1.1	20 NEAR COAST OF PERU
	20	16	45	52.6?	4.26	S	135.76	E	33	N	4.1		0.5	5 IRIAN JAYA REGION, INDONESIA
	20	17	00	50.7?	18.88	N	104.64	W	33	N	4.3		1.5	24 NEAR COAST OF JALISCO, MEXICO
	20	17	02	02.5%	42.824	N	19.179	E	10	G			0.1	9 NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	20	17	22	05.6?	6.35	S	144.41	E	33	N	3.9		1.3	9 NEW GUINEA, PAPUA NEW GUINEA
a	20	17	34	50.8*	54.792	S	118.778	W	10	G	5.2	5.4	1.4	85 SOUTHERN EAST PACIFIC RISE. Mw 5.6 (HRV).
	20	18	22	57.3?	4.20	S	135.31	E	33	N	4.1		1.7	11 IRIAN JAYA REGION, INDONESIA
	20	18	28	36.4%	47.385	N	11.958	E	10	G			0.6	6 AUSTRIA. ML 2.0 (VIE).
	20	19	16	22.0%	44.558	N	7.223	E	10	G			0.2	9 NORTHERN ITALY. ML 2.1 (GEN).
	20	20	15	21.2	43.448	N	5.423	E	5	G			0.5	12 NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR). Mining induced event in the Gardanne area.
	20	20	19	09.5?	4.22	S	134.98	E	33	N	4.4		1.3	13 IRIAN JAYA REGION, INDONESIA
	20	20	19	47.5?	13.47	N	88.29	W	10	G			0.4	4 EL SALVADOR. MD 2.9 (SSS). Felt (III) at Usulutan.
	20	20	39	08.4	41.346	N	22.651	E	5	G			1.0	8 NORTHWESTERN BALKAN REGION. ML 2.2 (SKO). Felt (III) at Valandovo.
	20	20	56	48.9?	4.33	S	134.84	E	33	N	4.4		1.6	12 IRIAN JAYA REGION, INDONESIA
	20	22	26	54.2?	36.21	N	1.83	W	10	G			1.2	13 WESTERN MEDITERRANEAN SEA. mbLg 3.5 (MDD).
	20	22	32	57.4*	10.261	N	93.428	E	33	N	4.7		1.3	17 ANDAMAN ISLANDS, INDIA
	20	22	54	07.8?	36.85	N	29.01	E	10	G			0.6	4 TURKEY. MD 3.2 (ISK).
	20	23	16	10.8*	12.913	N	57.430	E	10	G	4.6		1.3	23 ARABIAN SEA
	20	23	33	21.1*	4.494	S	134.561	E	33	N	4.3		0.8	19 IRIAN JAYA REGION, INDONESIA
	21	00	12	56.2*	2.383	N	126.784	E	33	N	4.1		0.7	19 NORTHERN MOLUCCA SEA
	21	00	25	07.1	4.770	N	125.631	E	212	*	4.6		0.8	50 TALAUD ISLANDS, INDONESIA
	21	01	19	21.0%	44.860	N	7.152	E	10	G			0.4	8 NORTHERN ITALY. ML 2.0 (GEN).
	21	01	22	45.2*	51.819	N	173.307	W	33	N	4.2		0.5	20 ANDREANOF ISLANDS, ALEUTIAN IS.
	21	02	01	12.4	29.356	N	34.970	E	16	*			0.7	12 EGYPT
	21	02	22	06.1?	34.68	S	70.64	W	110	G			0.5	10 CHILE-ARGENTINA BORDER REGION
	21	02	22	22.4&	58.963	N	154.298	W	112					25 ALASKA PENINSULA. <AEIC>.
	21	03	02	37.5%	46.843	N	6.808	E	10	G			1.2	6 SWITZERLAND. ML 1.9 (LDG).
	21	03	18	40.9?	36.18	S	100.88	W	10	G	4.3		1.4	14 SOUTHERN PACIFIC OCEAN
	21	03	35	04.8*	37.756	N	25.384	W	10	G			0.3	6 AZORES ISLANDS
	21	03	35	36.9	46.949	N	0.624	W	5	G			0.6	24 FRANCE. ML 3.3 (LDG), 3.0 (STR).
	21	03	35	44.6&	62.020	N	150.583	W	5					71 CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.4 (PMR). Felt at Talkeetna.
	21	03	35	49.2?	34.41	S	72.21	W	33	N			0.5	10 NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	21	03	59	39.2%	33.925	S	71.266	W	50	G			0.2	10 NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	21	04	28	24.1%	40.321	N	29.063	E	10	G			0.5	7 TURKEY. MD 2.9 (ISK).
	21	07	09	35.5%	37.580	N	27.693	E	5	G			0.8	5 TURKEY. MD 3.6 (ISK).
	21	07	42	10.6%	32.742	S	71.347	W	50	G			0.4	9 NEAR COAST OF CENTRAL CHILE. MD 3.1 (SAN).
	21	07	43	57.3	36.392	N	71.267	E	231	D	4.3		0.7	50 AFGHANISTAN-TAJIKISTAN BORD REG.
	21	08	10	55.6*	4.640	S	134.569	E	33	N	4.6		1.3	9 IRIAN JAYA REGION, INDONESIA
	21	08	20	32.7%	33.532	S	70.777	W	80	G			0.3	10 CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
	21	09	10	36.1	22.760	S	68.512	W	103	D	4.9		1.1	77 NORTHERN CHILE
	21	09	43	17.3*	29.944	N	113.947	W	10	G	3.8		1.2	12 GULF OF CALIFORNIA. ML 4.0 (GS). MD 4.4 (ECX).
	21	10	03	25.0	30.680	N	90.249	E	33	N	4.7		0.7	46 XIZANG
	21	11	05	58.0?	64.50	N	6.20	E	10	G			1.0	6 NORWEGIAN SEA. MD 2.7 (BER).
	21	11	06	53.6	33.505	S	71.071	W	63	?			0.2	10 NEAR COAST OF CENTRAL CHILE
	21	11	10	28.1&	60.034	N	152.843	W	114		2.9			63 SOUTHERN ALASKA. <AEIC>.
	21	11	40	54.2&	60.705	N	147.220	W	10					36 SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	21	11	42	43.9	43.160	N	146.560	E	33	N	4.3		1.0	47 KURIL ISLANDS
	21	12	00	15.5	44.004	N	147.925	E	33	N	4.2		1.0	22 KURIL ISLANDS
	21	12	06	14.1?	37.69	N	26.89	E	10	G			0.1	4 DODECANESE ISLANDS. MD 2.9 (ISK).
	21	12	25	58.5?	18.43	N	66.65	W	85	?			0.3	9 PUERTO RICO REGION. MD 3.5 (MPR).
	21	12	54	04.7*	33.197	S	70.342	W	5	G			0.4	6 CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	21	13	09	46.6	43.336	N	147.374	E	33	N	4.5		0.7	51 KURIL ISLANDS
	21	14	37	03.2*	33.369	S	68.940	W	20	G			0.7	13 MENDOZA PROVINCE, ARGENTINA. MD 4.5 (SAN).
	21	15	35	35.7?	15.27	N	93.49	W	33	N	4.4		1.2	14 NEAR COAST OF CHIAPAS, MEXICO
	21	16	30	40.3&	32.750	N	115.436	W	18					2 CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.7 (PAS). MD 2.9 (ECX).
	21	16	32	50.1?	9.11	N	82.53	W	33	N			0.1	4 PANAMA-COSTA RICA BORDER REGION. MD 3.9 (UPA).
	21	17	09	39.2%	45.748	N	26.394	E	10	G			0.5	6 ROMANIA
	21	18	38	50.8?	34.10	S	71.91	W	33	N			0.6	10 NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	21	19	05	24.0&	63.455	N	148.960	W	95					32 CENTRAL ALASKA. <AEIC>.
	21	19	37	41.2*	12.370	S	167.008	E	279	?	4.3		1.1	74 SANTA CRUZ ISLANDS
	21	19	39	32.4?	31.88	S	66.63	W	240	G			0.5	11 LA RIOJA PROVINCE, ARGENTINA. MD 3.8 (SAN).
	21	20	28	37.4?	45.76	N	15.27	E	10	G			1.2	5 NORTHWESTERN BALKAN REGION. ML 2.6 (VIE). MD 2.6 (TRI).
	21	21	02	35.2?	43.41	N	147.28	E	33	N	4.7		1.0	17 KURIL ISLANDS
	21	21	07	13.9%	34.387	S	70.538	W	110	G			0.1	10 CHILE-ARGENTINA BORDER REGION. MD 2.7 (SAN).
	21	21	27	26.5?	36.97	N	2.27	W	5	G			1.0	4 STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).

	21	21	30	19.5	1.944	S	139.074	E	33	N	4.7	0.9	31	NEAR NORTH COAST OF IRIAN JAYA
	21	23	01	38.7	0.204	S	124.377	E	63	*	5.0	1.1	52	SOUTHERN MOLUCCA SEA
	22	00	37	23.9?	7.45	S	131.86	E	91	*	4.5	1.7	12	TANIMBAR ISLANDS REG., INDONESIA
	22	00	38	11.3	34.888	N	4.089	W	33	N		1.1	15	MOROCCO. mbLg 3.4 (MDD). MD 3.5 (RBA).
	22	00	44	46.9	36.433	N	70.223	E	230	*	4.3	0.8	41	HINDU KUSH REGION, AFGHANISTAN
	22	00	45	54.2	1.916	S	139.079	E	33	N	4.7	0.6	29	NEAR NORTH COAST OF IRIAN JAYA
	22	00	47	17.9?	51.05	N	178.04	W	33	N	4.4	1.1	12	ANDREANOF ISLANDS, ALEUTIAN IS.
	22	00	47	20.1*	56.765	N	154.135	W	33	N	4.0	1.4	13	KODIAK ISLAND REGION
	22	01	16	54.2&	59.190	N	153.800	W	101				27	SOUTHERN ALASKA. <AEIC>.
	22	01	42	22.3*	17.776	N	119.614	E	33	N	4.1	1.0	9	PHILIPPINE ISLANDS REGION
	22	01	54	24.3*	51.415	N	15.771	E	10	G		0.8	9	POLAND. ML 3.2 (VIE), 3.0 (MOX).
	22	01	57	08.6	44.271	N	115.529	W	5	G		0.7	15	WESTERN IDAHO. ML 3.3 (BUT).
	22	02	40	59.5	41.170	N	142.253	E	73	*	4.4	0.7	47	HOKKAIDO, JAPAN REGION
	22	02	48	36.7&	40.811	N	28.011	E	10	G		0.3	5	TURKEY. MD 2.8 (ISK).
	22	02	54	40.8*	31.924	S	70.265	W	110	G		0.6	13	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	22	03	29	38.1	4.152	S	135.027	E	25	*	4.7	1.0	25	IRIAN JAYA REGION, INDONESIA
	22	03	30	21.3	23.646	N	121.745	E	33	N	4.2	0.9	30	TAIWAN
	22	03	44	33.4?	11.21	N	62.22	W	122	?		0.3	7	WINDWARD ISLANDS. MD 3.5 (TRN).
	22	03	46	17.7*	4.384	S	134.947	E	33	N	4.4	1.2	9	IRIAN JAYA REGION, INDONESIA
	22	04	00	33.5?	0.91	S	128.52	E	33	N	3.2	0.2	8	HALMAHERA, INDONESIA
	22	04	41	14.5*	6.912	S	144.489	E	33	N	3.7	1.1	6	NEW GUINEA, PAPUA NEW GUINEA
	22	05	04	46.8	41.436	N	144.098	E	33	N	4.4	0.8	32	HOKKAIDO, JAPAN REGION
	22	06	28	36.8	30.209	N	51.040	E	33	N	4.8	0.9	77	NORTHERN IRAN. MD 4.8 (RYD). Felt at Gach Saran and Yasuj.
	22	06	45	20.2&	37.047	N	5.495	W	5	G		1.2	6	SPAIN. mbLg 2.6 (MDD).
a	22	07	24	08.0	8.872	S	156.322	E	33	N	5.2 4.9	1.0	74	SOLOMON ISLANDS. Mw 5.4 (HRV).
	22	08	55	20.8*	20.846	S	178.744	W	573	?	4.5	1.0	54	FIJI ISLANDS REGION
	22	09	12	29.7?	6.50	S	132.19	E	85	?	4.6	1.4	9	TANIMBAR ISLANDS REG., INDONESIA
	22	09	48	58.5	20.800	N	122.070	E	33	N	4.1 3.9	0.6	15	PHILIPPINE ISLANDS REGION
	22	10	30	12.5	42.706	N	18.295	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 2.9 (TTG).
	22	11	18	17.0?	52.36	N	31.07	W	10	G	3.9	1.1	7	NORTHERN MID-ATLANTIC RIDGE
	22	11	28	18.4?	29.66	N	36.06	E	5	G		0.5	4	WESTERN ARABIAN PENINSULA. MD 2.5 (RYD).
	22	11	38	44.6*	51.515	N	16.004	E	10	G		0.6	14	POLAND. ML 3.9 (GRF), 3.8 (VIE), 3.5 (MOX), 3.3 (CLL).
	22	13	07	23.4	51.844	N	178.921	W	33	N	4.3	1.4	43	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
a	22	13	37	48.1	4.054	S	135.255	E	33	N	5.2 5.1	0.9	81	IRIAN JAYA REGION, INDONESIA. Mw 5.6 (HRV). Felt (IV) at Tembagapura.
a	22	14	00	13.7	18.741	S	177.794	W	640	D	4.9	0.9	71	FIJI ISLANDS REGION. Mw 5.5 (HRV).
	22	14	16	59.2&	34.065	S	71.469	W	40	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	22	14	17	29.5*	4.195	S	135.250	E	33	N	4.4	1.5	10	IRIAN JAYA REGION, INDONESIA
	22	14	52	07.9&	44.413	N	10.119	E	5	G		0.9	12	NORTHERN ITALY. ML 2.7 (GEN).
	22	15	13	05.9&	39.579	N	28.836	E	10	G		1.2	5	TURKEY. MD 2.8 (ISK).
	22	15	33	25.6&	39.057	N	27.952	E	10	G		1.0	6	TURKEY. MD 3.1 (ISK).
	22	16	59	57.5*	6.694	S	147.503	E	87	*	4.9	1.0	12	EASTERN NEW GUINEA REG., P.N.G.
	22	17	06	01.1*	2.202	S	139.134	E	10	G	4.5	0.3	6	NEAR NORTH COAST OF IRIAN JAYA
	22	17	45	42.3&	37.015	N	5.513	W	10	G		0.3	5	SPAIN. mbLg 2.5 (MDD).
	22	18	09	32.4&	31.806	N	116.178	W	1				3	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.0 (ECX).
	22	18	25	25.2?	49.89	N	18.07	E	10	G		1.5	5	CZECH AND SLOVAK REPUBLICS. ML 3.1 (CLL).
	22	18	29	51.3*	50.493	N	18.868	E	10	G		0.6	6	POLAND
	22	18	35	54.2&	44.648	N	6.864	E	10	G		0.4	5	FRANCE
	22	19	34	52.8	41.272	N	73.240	E	33	N	4.4	0.7	23	KYRGYZSTAN
a	22	19	43	30.0	41.042	S	174.019	E	87		5.5	1.0	95	COOK STRAIT, NEW ZEALAND. Mw 5.8 (HRV). Mo=1.0*10**18 Nm (PPT). Felt strongly at Wellington, on the North Island. Felt as far as Auckland, on the North Island and Dunedin, on the South Island.
	22	20	05	55.0	36.267	S	72.956	W	39		5.2 5.5	1.0	60	NEAR COAST OF CENTRAL CHILE. Felt (V) at Concepcion.
	22	20	07	00.6&	62.679	N	143.476	W	0				69	CENTRAL ALASKA. <AEIC>. ML 3.6 (AEIC).
	22	21	32	55.7?	28.60	N	34.35	E	10	G		0.2	4	EGYPT. MD 2.4 (RYD).
	22	22	15	06.4?	37.16	N	27.84	E	10	G		1.0	5	TURKEY. MD 3.3 (ISK).
	22	22	24	32.1	35.998	N	139.894	E	63		5.1	0.9	127	NEAR S. COAST OF HONSHU, JAPAN. Felt (IV JMA) at Tokyo. Felt (III) at Yamato.
a	22	22	39	20.8*	21.280	S	169.077	E	33	N	5.2 5.6	1.1	58	LOYALTY ISLANDS REGION. Mw 5.8 (HRV). Mo=6.9*10**17 Nm (PPT).
	22	22	51	11.5*	6.662	S	130.637	E	33	N		0.8	14	BANDA SEA
	23	00	37	59.5*	4.416	S	134.521	E	33	N	5.1	0.8	11	IRIAN JAYA REGION, INDONESIA
	23	01	28	38.3?	34.26	N	25.93	E	10	G	4.5	1.4	9	CRETE
	23	01	33	27.7	1.892	S	138.580	E	10	G	4.3	0.7	15	NEAR NORTH COAST OF IRIAN JAYA
	23	01	44	18.9&	39.485	N	29.285	E	5	G		0.7	5	TURKEY. MD 2.8 (ISK).
a	23	02	08	34.5	7.418	N	76.635	W	10	G	5.1 4.8	1.0	150	NORTHERN COLOMBIA. Mw 5.4 (HRV). MD 5.2 (UPA). Felt at Antioquia and Chigorodo.
	23	03	10	07.7	7.476	N	76.658	W	10	G	4.3	1.0	30	NORTHERN COLOMBIA. MD 4.8 (UPA).
	23	03	16	26.1&	37.740	N	122.144	W	3				9	CENTRAL CALIFORNIA. <GM-P>. MD 2.5 (GM). ML 2.6 (GS), 2.2 (BRK). Felt (II) at San Leandro. Also felt at Oakland.
	23	03	31	05.4	40.185	N	108.950	W	5	G		0.5	7	COLORADO. ML 3.0 (GS). Felt (IV) in the Dinosaur area.
	23	03	39	24.3?	34.56	S	71.26	W	60	G		0.4	9	NEAR COAST OF CENTRAL CHILE
	23	04	07	57.8?	36.52	S	73.86	W	10	G		0.5	14	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
	23	04	18	18.9&	31.301	N	114.367	W	12				6	GULF OF CALIFORNIA. <ECX-P>. MD 3.9 (ECX).
	23	04	22	25.7&	44.322	N	6.319	E	10	G		0.3	6	FRANCE. ML 1.9 (LDG).
	23	05	20	38.3	53.569	N	158.587	E	129	D	4.4	0.7	37	NEAR EAST COAST OF KAMCHATKA
	23	06	14	47.4	20.403	N	109.448	E	33	N	4.4	0.6	23	SOUTHEASTERN CHINA. Felt at Beihai, Haikang, Haikou and Hepu.
	23	06	21	57.4?	10.35	N	60.45	W	80	G		0.5	4	TRINIDAD. MD 3.3 (TRN).
	23	06	29	34.6*	4.288	S	134.699	E	33	N	4.2	1.1	7	IRIAN JAYA REGION, INDONESIA
	23	07	29	54.0*	5.259	S	151.289	E	39	*	4.5	1.4	27	NEW BRITAIN REGION, P.N.G.
	23	07	51	35.3*	48.094	N	156.803	E	33	N	4.1	0.9	9	EAST OF KURIL ISLANDS
	23	08	07	51.5*	32.889	N	68.143	E	33	N	3.8 4.2	0.6	5	AFGHANISTAN
	23	08	17	14.3*	13.406	N	120.476	E	33	N	4.5	0.6	13	MINDORO, PHILIPPINE ISLANDS
	23	08	29	11.0*	38.680	N	20.723	E	5	G		0.2	5	GREECE. MD 2.9 (ATH).
	23	08	51	12.2&	40.288	N	124.441	W	21				28	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
a	23	09	18	21.0	36.272	S	72.964	W	42	*	5.2 5.5	0.9	63	NEAR COAST OF CENTRAL CHILE. Mw 5.5 (HRV). Felt (V) at Concepcion. Also felt at Angol, Arauco, Nuble and Talcahuano.

a	23	10	14	21.2*	62.588	S	155.503	E	10	G	4.9 5.3	1.1	36	BALLENY ISLANDS REGION. Mw 5.6 (HRV).
	23	10	27	10.3*	55.190	N	13.073	E	10	G		0.9	5	SWEDEN. ML 2.1 (NAO).
	23	11	10	12.3&	36.900	N	99.600	W	5	G			3	OKLAHOMA. <MACRO>. mbLg 2.8 (GS). Felt (II) at Buffalo.
	23	11	30	15.4*	51.126	N	15.846	E	10	G		0.5	7	POLAND. ML 2.7 (MOX), 2.6 (CLL).
	23	11	37	38.2	40.109	N	142.522	E	45	D	4.8	0.8	52	NEAR EAST COAST OF HONSHU, JAPAN
	23	12	19	13.1	38.047	N	20.217	E	10	G	3.6	1.1	27	GREECE. ML 4.1 (ATH), 4.0 (TTG), 3.8 (ROM), 3.7 (TIR).
	23	14	43	35.9*	15.392	N	46.557	W	10	G	4.7 4.4	1.4	13	NORTHERN MID-ATLANTIC RIDGE
	23	15	02	46.1?	0.73	N	125.57	E	33	N	4.6	1.5	7	NORTHERN MOLUCCA SEA
	23	17	03	28.6&	44.092	N	6.922	E	10	G		0.1	7	FRANCE. ML 2.2 (GEN).
	23	17	51	04.8	15.546	N	46.725	W	10	G	5.1	0.7	68	NORTHERN MID-ATLANTIC RIDGE
	23	18	12	26.9&	46.145	N	1.351	E	10	G		0.5	6	FRANCE. ML 2.2 (LDG).
	23	18	44	35.5	44.137	N	6.979	E	10	G		0.4	17	FRANCE. ML 2.4 (GEN), 2.3 (LDG).
	23	18	47	01.4	44.125	N	6.984	E	10	G		0.3	23	FRANCE. ML 2.6 (GEN), 2.6 (LDG).
	23	19	04	34.4&	44.104	N	6.918	E	10	G		0.2	6	FRANCE. ML 2.1 (LDG).
	23	19	41	17.6?	13.21	N	89.54	W	77	?	4.3	0.8	9	EL SALVADOR. MD 3.8 (SSS). Felt (II) at San Salvador.
a	23	20	21	28.5	4.021	S	135.342	E	33	N	4.9 4.8	1.1	61	IRIAN JAYA REGION, INDONESIA. Mw 5.4 (HRV). Felt (IV) at Tembagapura.
	23	20	51	05.1&	59.015	N	153.128	W	72				38	SOUTHERN ALASKA. <AEIC>.
	23	21	43	28.8	44.625	N	6.754	E	5	G		0.4	17	FRANCE. ML 2.7 (GEN), 2.4 (LDG).
	23	22	06	03.7&	44.271	N	6.532	E	10	G		0.4	6	FRANCE. ML 2.3 (LDG).
	23	22	08	00.7	72.079	N	0.996	E	10	G	4.5 3.9	1.2	64	NORWEGIAN SEA
	23	22	13	04.8*	38.739	N	21.904	E	10	G		1.4	8	GREECE. MD 3.1 (ATH).
	23	22	24	38.1?	39.97	N	28.91	E	10	G		1.8	4	TURKEY. MD 2.6 (ISK).
	23	22	54	30.2?	38.68	N	22.19	E	10	G	3.7	1.0	8	GREECE
	23	23	22	36.2	40.105	N	143.504	E	33	N	4.9	0.9	49	OFF EAST COAST OF HONSHU, JAPAN
	23	23	40	31.8?	77.68	N	18.43	E	10	G		0.9	4	SVALBARD REGION
	24	00	43	24.9*	25.155	N	142.609	E	33	N	4.4	0.7	13	VOLCANO ISLANDS REGION
	24	00	50	04.7*	43.267	N	147.419	E	33	N	4.6	0.9	15	KURIL ISLANDS
	24	00	50	55.5*	36.470	N	71.221	E	231	?	4.1	0.7	19	AFGHANISTAN-TAJIKISTAN BORD REG.
	24	01	04	23.5	6.910	N	73.073	W	157		4.5	0.9	23	NORTHERN COLOMBIA. MD 4.9 (UPA).
	24	01	35	02.9?	7.89	N	76.66	W	80	G	3.8	1.0	4	NORTHERN COLOMBIA. MD 4.3 (UPA).
	24	01	53	12.7	42.253	N	138.029	E	266	*	4.2	0.8	50	EASTERN SEA OF JAPAN
	24	02	22	10.4?	43.90	N	9.71	E	10	G		1.2	6	CORSICA
	24	02	39	17.0?	33.10	N	70.46	E	41	?	4.1	1.1	18	PAKISTAN
	24	03	03	09.9&	33.652	S	71.131	W	60	G		0.2	8	NEAR COAST OF CENTRAL CHILE
	24	03	13	57.6&	43.522	N	2.676	E	10	G		1.1	5	FRANCE. ML 2.4 (LDG).
	24	04	09	19.7&	42.202	N	19.246	E	10	G		0.5	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
a	24	04	13	46.4	24.582	N	121.968	E	45	D	5.0	1.0	138	TAIWAN. Mw 5.1 (HRV). Felt in northern Taiwan.
	24	04	24	27.2&	46.277	N	2.513	E	10	G		0.4	6	FRANCE
	24	04	32	30.3	42.812	N	7.022	W	10	G		0.7	9	SPAIN. mbLg 2.8 (MDD).
	24	06	44	12.3&	33.992	S	71.198	W	60	G		0.6	9	NEAR COAST OF CENTRAL CHILE
a	24	07	11	40.3	24.359	S	176.930	W	108	D	5.4	1.0	93	SOUTH OF FIJI ISLANDS. Mw 5.6 (HRV).
	24	07	49	53.3	23.938	S	66.619	W	203		4.2	1.0	35	JUJUY PROVINCE, ARGENTINA
	24	08	12	39.9*	28.859	N	87.767	E	33	N	4.5	1.3	11	XIZANG
	24	08	22	56.4	5.040	S	144.006	E	126		4.6	0.6	26	NEW GUINEA, PAPUA NEW GUINEA
	24	08	36	55.5	52.291	N	179.759	E	182		4.4	1.0	45	RAT ISLANDS, ALEUTIAN ISLANDS
	24	08	56	01.4?	53.59	N	164.83	W	33	N	4.3	1.5	9	UNIMAK ISLAND REGION. ML 3.9 (PMR).
	24	11	14	17.8?	30.77	S	72.09	W	10	G		1.1	12	OFF COAST OF CENTRAL CHILE
	24	11	45	34.7&	44.696	N	6.693	E	5	G		0.7	10	FRANCE. ML 2.6 (GEN).
	24	11	47	54.2&	44.677	N	6.587	E	10	G		0.6	5	FRANCE. ML 2.0 (GEN).
	24	11	50	24.4&	44.702	N	6.674	E	5	G		0.4	6	FRANCE. ML 2.3 (GEN).
	24	11	52	32.9	32.564	N	75.998	E	33	N	4.9	0.8	64	KASHMIR-INDIA BORDER REGION. Felt in the Chamba area, India.
	24	12	11	47.9?	44.74	N	6.71	E	10	G		0.3	4	FRANCE. ML 1.7 (GEN).
	24	12	27	22.3&	44.691	N	6.585	E	5	G		0.4	7	FRANCE. ML 2.2 (GEN).
	24	12	39	46.9?	40.40	N	28.80	E	5	G		1.0	4	TURKEY. MD 2.8 (ISK).
	24	13	00	35.0*	20.804	N	147.083	E	33	N	4.0	1.1	13	MARIANA ISLANDS REGION
	24	13	13	02.9?	36.90	N	27.71	E	10	G		0.6	4	DODECANESE ISLANDS. MD 3.1 (ISK).
	24	13	17	06.9	43.316	N	147.369	E	33	N	4.6	0.9	56	KURIL ISLANDS
	24	13	25	41.1	20.766	N	146.940	E	33	N	4.6 4.4	1.0	54	MARIANA ISLANDS REGION
	24	13	33	47.2*	36.639	N	6.259	W	10	G		1.0	7	STRAIT OF GIBRALTAR. MD 2.2 (SFS).
	24	13	37	18.5?	46.15	N	16.25	E	10	G		1.5	4	NORTHWESTERN BALKAN REGION. ML 2.4 (VIE).
	24	14	14	21.3?	57.85	N	6.32	E	10	G		0.7	6	NORTH SEA. MD 1.8 (BER).
	24	14	56	40.1&	59.425	N	152.855	W	86				67	SOUTHERN ALASKA. <AEIC>.
	24	15	14	32.5&	59.837	N	147.652	W	15				35	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).
	24	15	19	20.2*	4.516	S	134.921	E	33	N	3.6	0.7	6	IRIAN JAYA REGION, INDONESIA
	24	15	21	17.4?	41.78	N	19.99	E	10	G		0.7	9	ALBANIA. ML 2.5 (TTG).
	24	15	50	38.3?	27.90	N	34.64	E	10	G		0.3	4	RED SEA. MD 2.4 (RYD).
	24	16	38	44.4	47.751	N	8.735	E	9			1.2	40	SWITZERLAND. ML 3.6 (VIE), 3.5 (LDG), 3.3 (FUR).
	24	17	30	51.9	47.766	N	8.655	E	10	G		0.8	11	SWITZERLAND. ML 2.0 (STR).
	24	17	46	29.0	20.744	N	146.956	E	33	N	4.6 4.3	1.1	50	MARIANA ISLANDS REGION
	24	18	05	58.1&	44.702	N	6.615	E	5	G		0.5	7	FRANCE. ML 2.2 (GEN).
	24	18	22	04.3&	62.099	N	149.632	W	47				45	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
	24	18	44	16.1?	43.64	N	18.91	E	10	G		0.3	7	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	24	18	47	34.4&	59.761	N	153.475	W	135		3.1		84	SOUTHERN ALASKA. <AEIC>.
	24	19	18	02.4*	20.631	N	146.959	E	174	?	3.5	0.6	14	MARIANA ISLANDS REGION
	24	19	38	25.8?	6.55	S	153.74	E	85	?	4.0	1.1	9	NEW BRITAIN REGION, P.N.G.
	24	20	14	05.3?	20.82	S	178.96	W	570	G	4.3	1.0	12	FIJI ISLANDS REGION
	24	21	01	57.4	37.308	N	71.635	E	33	N	4.5	0.7	16	AFGHANISTAN-TAJIKISTAN BORD REG.
	24	21	48	59.9?	50.23	N	152.26	E	353	?	4.1	1.1	11	NORTHWEST OF KURIL ISLANDS
	24	21	49	15.3*	17.437	S	69.145	W	172	*	4.3	1.2	15	PERU-BOLIVIA BORDER REGION
	24	21	53	10.8	31.792	S	70.169	W	128	?		0.3	12	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	24	22	04	19.9	1.375	S	127.674	E	33	N	5.0	1.2	41	HALMAHERA, INDONESIA
	24	22	32	26.5&	41.895	N	19.247	E	10	G		0.6	9	ALBANIA. ML 1.8 (TTG).
	24	22	37	50.7?	34.94	S	71.35	W	60	G		0.7	8	NEAR COAST OF CENTRAL CHILE
	24	22	39	32.8?	18.67	N	66.97	W	33	N		0.2	5	PUERTO RICO REGION. MD 3.1 (MPR).
	24	23	08	27.9&	42.559	N	19.041	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	24	23	11	03.3&	42.558	N	19.038	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
	25	00	16	18.1?	5.78	S	151.94	E	49	?	4.1	0.8	9	NEW BRITAIN REGION, P.N.G.
	25	00	20	15.6?	8.48	N	82.89	W	10	G		0.2	4	PANAMA-COSTA RICA BORDER REGION. MD 4.0 (UPA).
a	25	01	13	01.3	15.966	S	74.889	W	33	N	4.9 4.8	1.0	58	NEAR COAST OF PERU. Mw 5.2 (HRV).
	25	01	50	43.8?	37.06	N	28.96	E	10	G		0.3	4	TURKEY. MD 3.0 (ISK).
	25	02	20	32.6*	39.619	N	20.168	E	24	*		1.3	7	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH).

	25	02	58	05.1&	34.307	N	116.446	W	8			7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.9 (GS).
	25	03	31	22.0%	39.053	N	30.234	E	5 G		0.6	9	TURKEY. MD 3.2 (ISK).
	25	03	39	18.3*	8.635	S	119.680	E	161 *	4.5	1.1	22	FLORES REGION, INDONESIA
	25	03	41	46.3%	44.445	N	8.495	E	10 G		0.3	7	NORTHERN ITALY. ML 2.1 (GEN).
	25	04	08	51.5&	34.300	N	118.454	W	6			43	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 3.0 (GS). Felt in the San Fernando area.
	25	04	37	53.7&	60.089	N	153.361	W	138			53	SOUTHERN ALASKA. <AEIC>.
	25	05	07	44.8?	28.30	N	34.62	E	10 G		0.2	5	EGYPT. MD 2.3 (RYD).
	25	05	18	45.2?	16.14	S	173.51	W	10 G	4.5	1.5	16	TONGA ISLANDS
	25	06	31	38.3	20.712	N	146.979	E	33 N	4.4	0.9	31	MARIANA ISLANDS REGION
	25	06	53	59.8?	9.23	N	80.50	W	10 G		0.3	4	PANAMA. MD 3.8 (UPA).
	25	07	13	40.4*	4.642	S	102.727	E	33 N	4.6	0.9	23	SOUTHERN SUMATERA, INDONESIA
	25	08	00	53.0	21.015	N	146.962	E	33 N	4.2 4.1	0.8	27	MARIANA ISLANDS REGION
	25	09	11	09.2%	40.800	N	27.818	E	10 G		0.4	5	TURKEY. MD 2.8 (ISK).
	25	09	12	22.1*	14.114	N	60.819	W	33 N		1.0	7	WINDWARD ISLANDS. MD 2.5 (TRN).
	25	09	15	42.4%	44.469	N	7.344	E	10 G		0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
	25	09	44	28.9%	40.810	N	28.145	E	10 G		0.4	6	TURKEY. MD 3.0 (ISK).
	25	09	50	57.8	32.590	S	70.024	W	120 G		0.5	13	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	25	09	51	15.3%	45.230	N	6.569	E	5 G		0.4	5	FRANCE. ML 2.1 (GEN).
a	25	10	42	19.3	43.125	N	147.438	E	53 D	5.2	1.0	167	KURIL ISLANDS. Mw 5.1 (HRV). Felt (IV) on Shikotan and at Yuzhno-Kurilsk, Kunashir.
	25	10	57	41.9%	33.679	S	70.244	W	110 G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	25	11	08	32.6&	59.224	N	152.118	W	63			68	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC).
	25	11	17	30.4&	63.824	N	148.451	W	102			38	CENTRAL ALASKA. <AEIC>.
	25	11	20	14.4	2.269	N	126.609	E	33 N	4.6	0.9	30	NORTHERN MOLUCCA SEA
	25	11	23	27.9*	33.834	N	47.905	E	33 N	4.6	1.1	16	WESTERN IRAN. Felt in the Hamadan region.
	25	12	18	30.5%	40.803	N	28.134	E	5 G		0.6	7	TURKEY. MD 2.9 (ISK).
	25	12	38	34.3*	40.532	N	24.259	E	10 G		1.1	7	AEGEAN SEA. MD 3.0 (ATH).
	25	13	01	41.6?	19.07	N	66.53	W	33 N		0.2	8	PUERTO RICO REGION. MD 3.3 (MPR).
	25	13	05	22.7%	44.749	N	7.125	E	10 G		0.4	11	NORTHERN ITALY. ML 2.3 (GEN).
	25	13	13	27.0?	20.92	S	178.36	W	588 ?	4.1	1.1	21	FIJI ISLANDS REGION
	25	13	36	59.7%	44.761	N	7.112	E	10 G		0.5	6	NORTHERN ITALY. ML 2.4 (GEN).
	25	13	41	31.0%	44.765	N	7.113	E	10 G		0.6	6	NORTHERN ITALY. ML 2.0 (GEN).
	25	13	43	21.6*	17.959	S	178.031	W	430 ?	4.3	1.0	35	FIJI ISLANDS REGION
	25	13	58	52.0&	62.851	N	149.925	W	93	2.4		73	CENTRAL ALASKA. <AEIC>.
	25	15	19	09.9?	46.78	N	12.80	E	10 G		0.4	5	NORTHERN ITALY. ML 2.3 (VIE). MD 2.3 (TRI).
	25	15	50	30.3?	9.06	N	82.83	W	10 G		0.4	4	PANAMA-COSTA RICA BORDER REGION. MD 3.8 (UPA).
	25	16	20	44.1*	41.660	N	7.431	W	10 G		0.4	5	PORTUGAL. mbLg 2.8 (MDD).
	25	16	46	19.6?	40.81	N	27.65	E	10 G		0.3	4	TURKEY. MD 2.8 (ISK).
	25	17	21	47.6?	56.87	S	147.53	W	10 G	4.2	1.1	10	PACIFIC-ANTARCTIC RIDGE
	25	19	01	54.7%	42.952	N	18.792	E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	25	19	15	41.2&	59.188	N	152.492	W	74			37	SOUTHERN ALASKA. <AEIC>.
	25	19	41	37.5	3.692	S	137.861	E	67 *	4.8	1.1	24	IRIAN JAYA, INDONESIA
	25	20	02	26.4*	48.007	N	153.070	E	33 N	4.0	1.2	25	KURIL ISLANDS
	25	20	29	34.3?	32.58	S	71.76	W	10 G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	25	20	51	08.0?	39.12	N	27.08	E	10 G		0.6	4	TURKEY. MD 2.8 (ISK).
	25	21	40	14.2&	34.270	N	118.455	W	10			9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS), 2.7 (GS). Felt in the San Fernando area.
	25	21	56	39.7&	64.239	N	147.074	W	12			50	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
a	25	22	44	28.9	10.998	S	166.123	E	79 G	5.9	0.9	356	SANTA CRUZ ISLANDS. Mw 6.2 (GS), 6.2 (HRV). mb 5.9 (BRK). Mo=1.6*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	25	23	16	05.1&	37.114	N	122.415	W	10			26	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 2.7 (GS).
	25	23	36	40.1*	51.222	N	15.878	E	10 G		0.5	6	POLAND
	25	23	42	47.1%	33.668	S	70.467	W	10 G		0.7	7	CHILE-ARGENTINA BORDER REGION. MD 2.9 (SAN).
	26	00	19	24.5%	39.608	N	27.791	E	10 G		0.2	7	TURKEY. MD 3.0 (ISK).
	26	02	05	51.2?	37.50	N	25.26	W	10 G		0.1	4	AZORES ISLANDS
a	26	02	16	12.5	55.950	S	28.214	W	48 G	5.9 5.9	1.1	173	SOUTH SANDWICH ISLANDS REGION. Mw 6.3 (GS), 6.3 (HRV). Ms 5.6 (BRK). Depth from broadband displacement seismograms.
	26	02	53	10.9*	16.622	N	59.348	W	5 G	3.5	0.5	9	LEEWARD ISLANDS. MD 3.9 (TRN).
	26	02	53	57.0?	70.04	N	17.73	E	10 G		1.0	4	NORWEGIAN SEA. MD 2.4 (BER). ML 2.1 (NAO).
	26	03	23	49.5*	20.973	N	112.425	E	10 G	4.2	1.2	14	SOUTH CHINA SEA
	26	03	28	55.3&	40.393	N	124.399	W	9			22	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM). ML 3.1 (GS).
	26	03	43	56.6*	18.324	N	146.818	E	84 *	4.3	0.6	19	MARIANA ISLANDS
	26	05	17	57.4?	44.64	N	25.49	E	10 G		0.3	4	ROMANIA
a	26	05	21	19.5	54.821	N	161.393	W	38 G	5.9 4.8	0.9	459	ALASKA PENINSULA. Mw 5.5 (HRV). ML 5.6 (PMR). Some items were knocked from shelves at Cold Bay. Felt (V) at Cold Bay, King Cove and Sand Point; (IV) at False Pass and Perryville; (III) at Chignik and Chignik Lagoon. Depth from broadband displacement seismograms.
a	26	05	57	11.5	54.851	N	161.352	W	33 N	5.3 4.6	0.8	322	ALASKA PENINSULA. Mw 5.3 (HRV). ML 5.2 (PMR). Felt (IV) at Cold Bay, King Cove and Sand Point. Felt from False Pass to Perryville.
	26	06	45	44.5%	38.778	N	27.768	E	10 G		0.3	5	TURKEY. MD 3.0 (ISK).
	26	08	11	26.3?	34.28	S	71.33	W	60 G		0.1	7	NEAR COAST OF CENTRAL CHILE
	26	08	28	46.3?	17.46	N	62.02	W	10 G		0.7	5	LEEWARD ISLANDS. MD 2.5 (TRN).
	26	08	29	48.6	5.100	S	144.765	E	55 *	4.1	0.9	15	NEW GUINEA, PAPUA NEW GUINEA
	26	09	24	25.2	44.521	N	7.273	E	10 G		0.5	20	NORTHERN ITALY. ML 2.4 (GEN), 2.3 (LDG).
	26	09	28	01.2?	31.25	S	71.17	W	33 N		0.8	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	26	11	06	29.0?	38.85	N	26.73	E	5 G		0.5	6	AEGEAN SEA. MD 3.3 (ISK).
	26	11	29	26.0*	52.067	N	159.811	E	33 N	4.0	0.8	12	OFF EAST COAST OF KAMCHATKA
	26	11	33	27.3?	39.14	N	27.54	E	10 G		0.8	4	TURKEY. MD 2.7 (ISK).
	26	11	37	04.5	33.120	S	70.274	W	112 ?		0.3	13	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	26	11	45	21.7?	39.56	N	29.41	E	10 G		0.9	5	TURKEY. MD 2.6 (ISK).
	26	11	58	49.5?	39.12	N	27.51	E	10 G		0.7	4	TURKEY. MD 2.7 (ISK).
	26	12	04	15.0*	30.964	N	90.614	E	33 N	4.3	1.2	15	XIZANG
	26	12	46	10.8*	4.309	S	135.037	E	33 N	4.6	1.1	12	IRIAN JAYA REGION, INDONESIA
	26	13	39	14.4?	5.37	S	135.01	E	33 N	3.9	0.4	6	IRIAN JAYA REGION, INDONESIA
	26	14	07	44.9	46.273	N	2.849	E	12		0.4	10	FRANCE. ML 1.9 (LDG).
	26	14	18	02.9?	40.02	N	28.81	E	10 G		0.6	5	TURKEY. MD 2.6 (ISK).
	26	14	23	52.3*	34.906	N	2.444	W	33 N		1.2	17	MOROCCO. mbLg 3.5 (MDD). MD 3.7 (RBA).

	26	14	32	06.4&	31.265	N	114.351	W	35			11	GULF OF CALIFORNIA. <ECX-P>. MD 4.2 (ECX). ML 4.2 (GS).
a	26	15	12	31.7	2.050	S	79.492	W	91 D	5.1	0.9	196	NEAR COAST OF ECUADOR. Mw 5.6 (HRV). Some damage in the Guaranda area.
	26	15	49	35.7%	40.835	N	28.401	E	10 G		0.5	8	TURKEY. MD 2.8 (ISK).
	26	15	52	56.0*	35.619	N	4.613	W	33 N		0.9	15	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD). MD 3.2 (SFS).
	26	15	55	12.0%	44.345	N	7.401	E	10 G		0.6	9	NORTHERN ITALY. ML 2.2 (GEN).
	26	16	47	32.6%	40.869	N	28.377	E	10 G		0.7	11	TURKEY. MD 3.3 (ISK).
	26	17	05	22.2?	39.54	N	143.78	E	33 N	4.0	1.3	8	OFF EAST COAST OF HONSHU, JAPAN
	26	17	13	15.8*	23.248	N	142.700	E	33 N	4.1	0.8	16	VOLCANO ISLANDS REGION
	26	17	16	19.1*	36.238	N	138.835	E	10 G		1.4	5	EASTERN HONSHU, JAPAN
	26	17	19	31.9&	31.303	N	114.371	W	27			18	GULF OF CALIFORNIA. <ECX-P>. MD 4.2 (ECX). ML 3.9 (GS).
	26	17	30	12.5%	39.148	N	28.004	E	5 G		0.3	10	TURKEY. MD 3.2 (ISK).
	26	17	37	40.3	44.350	N	8.125	E	5 G		0.5	12	NORTHERN ITALY. ML 2.8 (LDG).
	26	17	42	34.6	46.644	N	152.726	E	33 N	4.7	0.8	65	KURIL ISLANDS
	26	18	08	20.9%	40.102	N	29.284	E	10 G		0.6	8	TURKEY. MD 2.9 (ISK).
	26	18	22	35.1	27.642	N	92.399	E	33 N	4.7	0.8	49	EASTERN XIZANG-INDIA BORDER REG. Felt in the Gauhati area, India.
	26	18	56	31.7?	28.84	N	34.80	E	10 G		0.2	4	EGYPT. MD 2.0 (RYD).
	26	19	14	35.0*	5.496	S	128.066	E	274 *	4.7	1.4	27	BANDA SEA
	26	19	14	45.3&	59.876	N	153.222	W	128			31	SOUTHERN ALASKA. <AEIC>.
	26	19	31	13.3*	37.144	N	3.610	E	10 G		0.4	7	WESTERN MEDITERRANEAN SEA. MG 2.8 (ALG).
	26	20	04	29.4?	45.32	N	6.37	E	5 G		0.3	5	FRANCE. ML 2.1 (GEN).
	26	20	40	13.1?	40.87	N	28.37	E	10 G		0.0	4	TURKEY. MD 2.6 (ISK).
	26	20	49	05.4&	35.035	N	119.017	W	11			34	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.2 (GS).
	26	22	01	29.4&	34.319	N	116.760	W	1			7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.5 (GS). Felt in the Big Bear City area.
	26	22	07	13.1%	40.620	N	29.044	E	5 G		0.4	7	TURKEY. MD 2.8 (ISK).
	26	22	30	35.2	46.578	N	3.868	E	10 G		0.7	11	FRANCE. ML 1.6 (LDG).
	26	23	10	14.2%	44.431	N	7.345	E	10 G		0.3	6	NORTHERN ITALY. ML 2.0 (GEN).
	26	23	18	03.5%	33.975	S	70.349	W	110 G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 2.1 (SAN).
	27	00	19	02.1%	37.860	N	29.077	E	5 G		0.5	7	TURKEY. MD 3.3 (ISK).
	27	03	18	26.3?	16.58	N	59.43	W	33 N		0.4	8	LEEWARD ISLANDS. MD 3.4 (TRN).
	27	03	45	05.9*	51.252	N	15.842	E	10 G		0.1	6	POLAND. ML 2.2 (CLL).
	27	04	03	47.2*	12.231	N	143.573	E	33 N	5.0	0.7	11	SOUTH OF MARIANA ISLANDS
	27	04	42	20.5	40.788	N	142.736	E	33 N	4.6	0.9	31	NEAR EAST COAST OF HONSHU, JAPAN
	27	05	37	07.7%	44.467	N	6.916	E	14 *		0.1	6	FRANCE. ML 2.0 (GEN).
	27	05	38	18.7%	44.457	N	6.832	E	5 G		0.5	9	FRANCE. ML 2.1 (GEN).
	27	07	11	27.1&	34.628	N	116.646	W	6			11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.0 (GS).
	27	07	26	47.7?	40.99	N	24.23	E	10 G		0.5	4	AEGEAN SEA. MD 3.0 (ATH).
	27	07	38	55.2?	7.03	S	146.91	E	10 G	4.0	0.1	4	EASTERN NEW GUINEA REG., P.N.G.
	27	07	52	10.6	21.671	N	84.565	E	10 G	4.6	0.9	25	SOUTHERN INDIA. Felt in the Sundargarh area.
	27	08	26	46.2?	42.51	N	13.82	W	10 G		1.2	10	NORTH ATLANTIC OCEAN. mbLg 3.4 (MDD).
	27	09	04	23.7*	38.010	N	23.062	E	133 ?		0.7	7	GREECE
	27	09	11	13.2	43.431	N	5.458	E	5 G		0.6	15	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR). Mining induced event in the Gardanne area.
	27	09	19	23.3?	5.91	S	147.43	E	124 ?	3.4	0.3	5	EASTERN NEW GUINEA REG., P.N.G.
	27	10	41	22.5?	31.30	S	71.87	W	40 G		0.8	13	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	27	11	00	53.4*	32.525	S	69.799	W	130 G		0.4	13	MENDOZA PROVINCE, ARGENTINA. MD 3.8 (SAN).
	27	11	43	55.0	44.091	N	9.023	E	19 *		0.2	9	NORTHERN ITALY. ML 2.2 (GEN).
	27	11	53	31.2%	44.372	N	7.281	E	10 G		0.3	7	NORTHERN ITALY. ML 1.7 (GEN).
	27	12	08	11.5?	12.16	N	88.73	W	33 N	4.2	1.2	12	OFF COAST OF CENTRAL AMERICA. MD 3.9 (SSS). Felt (III) at San Salvador, El Salvador.
	27	12	24	28.8?	45.07	N	151.20	E	33 N	4.1	1.2	8	KURIL ISLANDS
	27	12	48	52.2%	44.385	N	7.391	E	13 *		0.3	9	NORTHERN ITALY. ML 1.9 (GEN).
	27	13	48	36.8?	43.19	N	18.06	E	10 G		0.5	7	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
	27	14	16	42.5&	37.084	N	121.809	W	5			30	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (GS).
	27	14	20	05.5	31.283	N	130.546	E	213 *	4.1	0.8	28	KYUSHU, JAPAN
	27	15	17	59.4&	37.509	N	118.756	W	7			38	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (GS), 3.0 (BRK).
	27	16	04	42.9&	19.351	N	155.229	W	25	4.1		54	HAWAII. <HVO-P>. MD 4.1 (HVO). Felt on the island of Hawaii.
	27	16	26	29.9&	33.988	N	116.441	W	8			8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.2 (GS). Felt in the Desert Hot Springs area.
	27	17	24	40.5?	37.22	N	28.27	E	5 G		0.5	4	TURKEY. MD 3.2 (ISK).
	27	17	50	14.8?	51.96	N	178.20	E	33 N	3.9	1.6	10	RAT ISLANDS, ALEUTIAN ISLANDS
	27	18	26	20.0%	38.787	N	30.357	E	5 G		0.4	5	TURKEY. MD 3.2 (ISK)
	27	18	39	55.5?	28.77	N	34.46	E	10 G		0.1	4	EGYPT
	27	19	25	50.2*	32.985	N	29.956	E	10 G		0.5	14	EASTERN MEDITERRANEAN SEA
	27	19	32	09.5%	46.374	N	6.879	E	10 G		1.5	8	SWITZERLAND. ML 2.3 (LDG).
	27	20	27	50.2*	18.385	N	120.418	E	33 N	4.1	0.6	9	LUZON, PHILIPPINE ISLANDS
	27	20	52	21.3*	43.540	N	146.534	E	139 ?	4.5	1.0	28	KURIL ISLANDS
	27	21	55	16.5&	60.230	N	152.317	W	85			51	SOUTHERN ALASKA. <AEIC>.
	27	22	35	50.7*	4.420	N	82.660	W	33 N	4.4	1.0	14	SOUTH OF PANAMA. MD 4.5 (UPA).
	27	22	36	57.4	43.273	N	127.245	W	10 G	2.7	0.5	59	OFF COAST OF OREGON
	27	23	55	39.9&	63.472	N	151.055	W	7			43	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
	28	00	03	59.4*	54.572	N	161.269	W	33 N	3.6	0.9	18	ALASKA PENINSULA
	28	00	30	28.0	34.205	N	139.163	E	33 N	4.2	0.8	37	NEAR S. COAST OF HONSHU, JAPAN
	28	02	13	37.5?	35.32	N	25.77	E	10 G	3.0	0.2	4	CRETE. MD 3.4 (ATH).
	28	02	46	07.3%	42.099	N	19.120	E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	28	02	51	52.0%	42.102	N	19.145	E	10 G		0.2	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	28	03	27	59.2&	36.602	N	121.202	W	7			54	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.0 (GS).
	28	03	32	02.6?	39.22	N	20.96	E	5 G		0.4	4	GREECE-ALBANIA BORDER REGION. MD 2.9 (ATH).
	28	03	43	35.2*	43.193	N	127.299	W	10 G	3.0	0.7	68	OFF COAST OF OREGON
	28	03	55	27.1	23.521	N	44.819	W	10 G	4.8	0.9	54	NORTHERN MID-ATLANTIC RIDGE
	28	03	59	41.2%	40.848	N	28.434	E	10 G		0.3	6	TURKEY. MD 3.3 (ISK).
	28	04	38	08.6*	34.555	N	32.283	E	10 G		1.3	7	CYPRUS REGION. ML 3.8 (ISK), 3.5 (BHL), 3.4 (CSS). Felt.
	28	05	36	41.8&	35.331	N	119.400	W	6 G			24	CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.9 (GS).
	28	06	20	42.3%	34.222	S	70.379	W	10 G		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	28	06	31	54.3%	34.140	S	70.436	W	10 G		0.5	7	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	28	06	46	49.3&	32.328	N	115.116	W	5			5	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.0 (ECX). ML 2.4 (PAS).
	28	08	00	52.0	40.777	N	27.789	E	10 G	3.5	1.3	28	TURKEY. MD 4.0 (ATH), 3.8 (ISK).

	28	08	02	32.0*	54.736	N	19.245	E	10	G		1.3	5	POLAND
	28	08	53	06.0	44.370	N	10.036	E	21			0.8	48	NORTHERN ITALY. ML 3.6 (LDG), 3.2 (GEN).
	28	09	11	51.3?	5.75	S	148.05	E	89	*	4.9	0.2	7	NEW BRITAIN REGION, P.N.G.
	28	09	12	01.0?	29.89	N	36.30	E	10	G		0.5	5	WESTERN ARABIAN PENINSULA. MD 3.0 (RYD).
	28	09	14	07.7?	32.38	S	71.65	W	33	N		0.7	10	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	28	11	13	02.4	52.546	N	168.168	W	33	N	4.6	0.9	44	FOX ISLANDS, ALEUTIAN ISLANDS
	28	11	30	06.8*	12.383	S	167.452	E	306	?	4.4	1.1	29	SANTA CRUZ ISLANDS
	28	11	50	22.6*	36.570	N	31.684	E	10	G		0.4	6	TURKEY
	28	12	25	22.8?	33.28	S	73.16	W	33	N		0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	28	12	34	11.1&	31.986	N	115.718	W	8				2	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 2.9 (ECX).
	28	13	56	18.0	51.722	N	16.263	E	10	G		1.1	11	POLAND. ML 3.4 (VIE), 3.0 (MOX), 2.8 (CLL).
	28	14	30	03.5%	34.449	S	70.489	W	10	G		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	28	14	44	09.6*	39.416	N	22.050	E	5	G		1.3	7	GREECE. MD 3.4 (ATH).
	28	15	04	54.1*	44.297	N	7.989	E	5	G		0.3	10	NORTHERN ITALY. ML 2.7 (LDG), 2.2 (STR).
	28	15	08	59.8	40.202	N	143.463	E	33	N	4.4	0.8	36	OFF EAST COAST OF HONSHU, JAPAN
	28	15	50	11.7&	60.337	N	152.964	W	121				46	SOUTHERN ALASKA. <AEIC>.
	28	15	50	58.3%	42.124	N	19.096	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	28	16	23	40.9&	61.522	N	151.969	W	5				40	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	28	16	31	45.8%	34.432	S	70.519	W	10	G		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	28	16	51	40.0&	62.237	N	150.934	W	69				85	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC), 3.6 (PMR). Felt (II) at Wasilla.
	28	18	07	48.8*	42.940	N	126.609	W	10	G	3.0	0.7	45	OFF COAST OF OREGON
	28	18	08	39.0?	34.98	S	70.73	W	120	G		0.1	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	28	18	23	22.3	47.977	N	146.372	E	420	*	4.4	0.7	80	NORTHWEST OF KURIL ISLANDS
	28	18	26	42.7?	44.69	N	26.91	E	10	G		0.6	5	ROMANIA
	28	19	13	32.7&	32.517	N	115.398	W	3				6	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.6 (ECX). ML 3.2 (PAS), 3.0 (GS). Felt in the area south of Mexicali, Mexico.
	28	19	22	10.8&	63.031	N	150.797	W	124		3.9		81	CENTRAL ALASKA. <AEIC>.
	28	20	03	44.8?	51.04	N	176.21	W	100	G	4.4	1.3	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	28	20	43	14.8	44.314	N	6.338	E	5	G		0.6	11	FRANCE. ML 2.5 (LDG), 2.3 (STR).
	28	21	32	56.2?	39.48	N	19.30	E	5	G		1.5	6	GREECE-ALBANIA BORDER REGION. MD 3.5 (ATH).
	28	21	38	06.5?	6.49	S	129.00	E	33	N	3.7	1.2	9	BANDA SEA
	28	21	46	02.8%	37.216	N	4.631	W	10	G		0.7	6	SPAIN. mbLg 1.9 (MDD).
	28	21	50	46.4?	58.99	S	26.39	W	33	N	4.4	1.9	10	SOUTH SANDWICH ISLANDS REGION
	28	22	32	27.4?	24.70	S	175.01	W	33	N	4.0	1.5	13	SOUTH OF TONGA ISLANDS
	29	00	03	46.1*	2.091	S	138.740	E	33	N	4.4	1.1	14	IRIAN JAYA, INDONESIA
a	29	00	10	22.3*	20.858	S	169.170	E	33	N	4.6 4.8	1.2	53	VANUATU ISLANDS. Mw 5.2 (HRV). Ms 4.6 (BRK).
	29	01	51	21.1?	6.72	S	155.17	E	73	?	4.1	0.8	8	SOLOMON ISLANDS
	29	01	52	30.8	20.965	S	68.546	W	152	*	4.0	0.9	14	CHILE-BOLIVIA BORDER REGION
	29	02	46	23.7	24.655	N	94.273	E	33	N	4.6	1.1	33	MYANMAR-INDIA BORDER REGION
	29	03	28	46.9%	32.718	S	71.635	W	10	G		0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	29	04	27	28.8	24.670	S	179.834	E	534	?	3.9	1.2	15	SOUTH OF FIJI ISLANDS
	29	05	47	03.1?	27.08	S	66.85	W	33	N		1.0	4	CATAMARCA PROVINCE, ARGENTINA
	29	06	37	56.3%	18.039	N	66.752	W	10	G		0.4	5	PUERTO RICO REGION
	29	07	17	06.1*	24.009	S	66.889	W	189	*	4.0	1.2	16	SALTA PROVINCE, ARGENTINA
	29	07	17	34.0%	38.251	N	23.688	E	5	G		1.5	5	GREECE. ML 2.5 (ATH).
	29	08	04	58.7*	0.309	N	125.964	E	33	N	4.5	1.1	16	NORTHERN MOLUCCA SEA
	29	08	26	03.5*	1.626	N	99.788	E	181	*	4.6	0.8	24	NORTHERN SUMATERA, INDONESIA
	29	08	35	32.0&	60.565	N	149.191	W	33				55	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	29	08	40	06.5*	11.639	S	166.660	E	252	?	4.5	1.3	24	SANTA CRUZ ISLANDS
	29	08	58	09.8&	57.802	N	156.326	W	112		4.7		66	ALASKA PENINSULA. <AEIC>.
	29	09	14	14.1*	2.043	S	138.782	E	33	N	4.2	0.8	11	IRIAN JAYA, INDONESIA
	29	09	20	48.7?	41.74	N	19.81	E	10	G		0.3	9	ALBANIA. ML 3.2 (TTG).
	29	09	50	50.1?	36.65	S	73.56	W	33	N		0.3	12	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
	29	10	22	55.9	51.291	N	178.091	W	33	N	4.6	0.9	45	ANDREANOF ISLANDS, ALEUTIAN IS.
	29	10	26	38.7&	60.871	N	149.151	W	35				46	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	29	10	27	54.7*	5.044	S	102.696	E	33	N	4.6	0.8	26	SOUTHERN SUMATERA, INDONESIA
	29	11	14	26.6?	41.70	N	19.81	E	10	G		0.7	8	ALBANIA. ML 2.4 (TTG).
	29	13	29	03.7	43.254	N	147.366	E	33	N	4.8	0.8	54	KURIL ISLANDS
	29	13	32	56.8	40.766	N	142.451	E	52	D	4.8	0.9	60	NEAR EAST COAST OF HONSHU, JAPAN
	29	13	55	04.0?	1.76	S	139.39	E	33	N	4.0	1.1	10	NEAR NORTH COAST OF IRIAN JAYA
a	29	14	39	48.7	42.493	S	100.755	W	10	G	5.3 4.8	0.9	100	SOUTHERN PACIFIC OCEAN. Mw 5.5 (HRV). Ms 4.6 (BRK).
	29	15	41	40.9	43.822	N	147.043	E	33	N	4.1	0.8	22	KURIL ISLANDS
	29	15	52	36.7*	41.827	N	79.455	E	33	N	4.2	0.8	17	KYRGYZSTAN-XINJIANG BORDER REG.
	29	15	58	51.2	1.262	S	127.927	E	33	N	4.6	1.2	8	HALMAHERA, INDONESIA
	29	16	10	06.4%	39.614	N	2.788	W	5	G		0.3	5	SPAIN. mbLg 3.1 (MDD).
	29	16	10	52.1	7.077	N	76.743	W	36		4.8	0.9	56	NORTHERN COLOMBIA. MD 4.9 (UPA).
	29	16	13	16.7?	17.51	N	61.15	W	33	N		0.3	9	LEEWARD ISLANDS. ML 3.9 (FDF). MD 3.7 (TRN).
	29	16	32	20.3?	49.85	N	18.84	E	10	G		0.7	4	CZECH AND SLOVAK REPUBLICS
	29	17	47	14.3*	60.471	N	5.292	E	10	G		0.3	5	SOUTHERN NORWAY. MD 0.6 (BER).
	29	18	06	43.9?	32.14	S	71.16	W	80	G		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 2.9 (SAN).
	29	18	28	46.1*	4.077	S	134.964	E	33	N	4.8	1.1	11	IRIAN JAYA REGION, INDONESIA
	29	19	11	20.5*	28.772	N	84.203	E	33	N	4.7	0.9	8	NEPAL
	29	19	38	48.4%	17.802	N	66.707	W	10	G		0.6	7	PUERTO RICO REGION. MD 2.8 (MPR).
	29	20	10	18.6&	63.440	N	151.034	W	13				67	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.6 (PMR).
	29	21	50	04.3?	34.76	S	71.10	W	70	G		0.3	5	NEAR COAST OF CENTRAL CHILE
	29	22	26	01.9	66.394	N	13.427	E	10	G		1.4	12	NORTHERN NORWAY. MD 3.0 (BER).
	29	23	36	28.5%	43.083	N	0.452	W	5	G		0.1	5	PYRENEES. ML 1.1 (STR).
	30	00	13	05.6?	37.07	N	2.28	W	5	G		1.4	4	SPAIN. mbLg 2.3 (MDD).
	30	00	19	07.3&	61.591	N	147.373	W	28				63	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	30	01	56	56.0&	61.475	N	150.603	W	59		2.9		71	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC). Felt (III) at Anchorage and Willow.
	30	02	15	35.2	12.969	N	93.188	E	53	*	4.6	0.8	41	ANDAMAN ISLANDS, INDIA
	30	02	20	42.5?	42.66	N	148.10	E	33	N	4.5	1.4	9	OFF COAST OF HOKKAIDO, JAPAN
	30	02	30	03.2	38.364	N	22.005	E	10	G	3.7	1.1	10	GREECE. ML 3.3 (ATH).
	30	02	35	52.7*	33.667	S	70.227	W	41	?		1.2	8	CHILE-ARGENTINA BORDER REGION
	30	03	45	03.6%	17.863	N	66.717	W	10	G		0.7	8	PUERTO RICO REGION. MD 3.0 (MPR).
	30	04	15	06.6?	40.33	N	20.98	E	33	N		0.3	4	GREECE-ALBANIA BORDER REGION
	30	04	19	50.8?	10.93	N	62.34	W	33	N		0.5	5	NEAR COAST OF VENEZUELA. MD 3.0 (TRN).
	30	04	45	29.9%	40.840	N	28.046	E	5	G		0.7	7	TURKEY. MD 2.7 (ISK).
	30	05	55	26.4&	59.172	N	152.254	W	54				42	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	30	06	01	49.4*	5.326	S	151.742	E	69	?	4.5	1.1	19	NEW BRITAIN REGION, P.N.G.

	30	06	50	01.7	12.050	N	143.736	E	33	?	4.4	3.7	0.8	25	SOUTH OF MARIANA ISLANDS
	30	07	41	08.8*	43.790	N	7.400	E	5	G			0.6	6	NEAR SOUTH COAST OF FRANCE. ML 1.4 (STR).
	30	08	11	02.0*	29.175	S	71.036	W	10	G			1.3	20	NEAR COAST OF CENTRAL CHILE
	30	08	52	34.3?	27.91	N	34.79	E	10	G			0.7	5	RED SEA. MD 2.8 (RYD).
	30	09	03	36.9	39.092	N	27.519	E	10	G			1.1	4	TURKEY. MD 2.7 (ISK).
	30	09	30	34.0*	59.654	N	18.653	E	10	G			0.6	8	SWEDEN. ML 2.7 (NAO).
	30	09	36	10.8*	59.689	N	18.579	E	10	G			0.6	7	SWEDEN. ML 2.2 (NAO).
	30	09	46	26.5*	59.623	N	18.327	E	10	G			0.6	8	SWEDEN. ML 2.3 (NAO).
	30	09	52	20.9?	31.13	S	68.93	W	210	G			0.4	11	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
	30	10	03	37.8*	59.587	N	18.290	E	10	G			0.4	7	SWEDEN. ML 2.4 (NAO).
	30	10	10	17.7?	18.15	N	67.58	W	60	G			0.2	9	MONA PASSAGE. MD 3.4 (MPR).
a	30	10	14	41.0	5.462	S	151.809	E	70		5.2		0.9	86	NEW BRITAIN REGION, P.N.G. Mw 5.3 (HRV).
	30	10	56	40.4	24.551	N	122.431	E	10	G	4.3		0.7	14	TAIWAN REGION
	30	12	06	11.4?	39.25	N	27.70	E	10	G			0.5	4	TURKEY. MD 2.6 (ISK).
	30	13	07	53.0&	39.108	N	27.620	E	10	G			0.2	5	TURKEY. MD 2.8 (ISK).
	30	15	13	02.2	51.736	N	10.218	E	10	G			0.1	4	GERMANY. ML 3.0 (GRF).
	30	15	13	53.2*	35.839	N	74.190	E	33	N	4.3		1.1	15	NORTHWESTERN KASHMIR
	30	15	54	41.0	38.130	N	6.426	W	10	G			0.8	26	SPAIN. mbLg 3.8 (MDD). MD 3.7 (SFS). Felt (III) in the Cabeza la Vaca area.
	30	16	01	49.5&	40.382	N	28.334	E	5	G			0.3	6	TURKEY. MD 2.7 (ISK).
	30	16	55	46.2?	33.13	S	71.79	W	10	G			0.4	7	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	30	18	17	15.1	34.402	N	24.792	E	7		4.9		1.1	264	CRETE. ML 4.6 (ATH).
	30	19	04	49.4?	12.06	N	59.91	W	33	N			0.4	5	WINDWARD ISLANDS. MD 3.4 (TRN).
	30	20	00	10.4*	24.675	N	140.761	E	370	D	4.0		1.0	13	VOLCANO ISLANDS REGION
	30	20	29	07.0	50.651	N	5.593	E	10	G			0.8	13	BELGIUM. ML 3.0 (LDG), 2.6 (BNS), 2.5 (UCC).
	30	21	14	50.8	43.050	N	18.170	E	10	G			0.6	10	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).
	30	21	21	53.9	45.551	N	26.404	E	129		4.2		0.7	20	ROMANIA
	30	21	39	32.7*	17.656	S	167.213	E	33	N	4.0		1.2	23	VANUATU ISLANDS
a	30	22	15	52.1	44.842	N	137.536	E	319	D	5.4		0.9	388	EASTERN SEA OF JAPAN. Mw 5.8 (HRV). mb 5.1 (BRK).
	30	23	32	40.1&	63.333	N	151.226	W	10					45	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
	31	00	57	48.4	51.548	N	16.437	E	13		3.4		1.0	26	POLAND. ML 3.8 (GRF), 3.5 (VIE).
	31	03	32	43.7*	70.749	S	167.932	E	10	G	4.1		1.0	11	VICTORIA LAND, ANTARCTICA
	31	03	34	37.1	44.054	N	7.157	E	5	G			0.7	40	NORTHERN ITALY. ML 3.3 (LDG), 3.2 (GEN).
	31	04	15	08.7	40.725	N	20.198	E	10	G			0.7	12	GREECE-ALBANIA BORDER REGION. ML 3.3 (TTG), 3.0 (SKO), 3.0 (TIR).
	31	06	35	44.2	38.958	N	71.046	E	33	N	4.4		0.8	25	AFGHANISTAN-TAJIKISTAN BORD REG.
	31	07	12	35.5&	33.977	S	70.115	W	10	G			0.2	7	CHILE-ARGENTINA BORDER REGION
	31	07	58	24.8?	17.50	N	96.39	W	146	?	3.9		1.2	8	OAXACA, MEXICO
	31	07	58	38.6&	44.332	N	7.504	E	10	G			0.4	9	NORTHERN ITALY. ML 1.7 (GEN).
	31	08	57	53.3	35.923	N	3.460	W	10	G			0.9	33	STRAIT OF GIBRALTAR. mbLg 3.7 (MDD). MD 3.6 (RBA).
	31	09	00	02.0*	64.772	N	30.057	E	10	G			0.6	8	FINLAND-RUSSIA BORDER REGION. ML 2.3 (NAO).
	31	09	10	27.1?	37.03	N	3.82	W	5	G			0.1	4	SPAIN. mbLg 2.3 (MDD).
	31	09	15	02.7	42.252	N	1.550	E	10	G			0.5	21	PYRENEES. ML 3.2 (LDG), 3.0 (STR). mbLg 3.0 (MDD).
	31	09	20	39.3	32.109	S	72.057	W	33	N	4.2		1.2	18	OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN).
a	31	09	27	13.0	4.383	S	134.822	E	33	N	5.1	5.0	0.9	49	IRIAN JAYA REGION, INDONESIA. Mw 5.3 (HRV).
	31	09	33	50.0?	32.32	S	71.61	W	10	G			0.9	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	31	09	38	43.8*	42.980	N	126.320	W	10	G	3.1		0.6	27	OFF COAST OF OREGON
	31	09	57	56.1?	44.04	N	8.39	E	10	G			0.1	4	NORTHERN ITALY. ML 1.7 (GEN).
	31	11	11	17.9*	51.603	N	175.708	W	33	N	3.5		1.1	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	31	11	22	07.2	15.061	N	60.525	W	67		4.2		0.8	47	LEEWARD ISLANDS. MD 4.0 (TRN). Felt (III) on Martinique and St. Lucia.
	31	13	08	38.2&	63.335	N	151.240	W	10					59	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.4 (PMR).
	31	13	20	31.2&	63.329	N	151.219	W	7					50	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.2 (PMR).
a	31	14	01	40.0	38.212	N	135.012	E	354	G	6.0		0.7	631	SEA OF JAPAN. Mw 6.2 (GS), 6.2 (HRV). mb 6.2 (BRK). Mo=1.8*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	31	14	48	02.0*	43.087	N	0.466	W	10	G			0.3	6	PYRENEES. ML 2.6 (LDG).
	31	15	19	15.9?	41.75	N	19.78	E	10	G			0.8	9	ALBANIA. ML 2.7 (TTG).
	31	15	50	06.9*	25.160	S	179.913	W	481	*	4.9		1.3	34	SOUTH OF FIJI ISLANDS
a	31	16	39	57.3	22.427	S	175.162	W	67	D	5.4	5.2	1.0	137	TONGA ISLANDS REGION. Mw 5.7 (HRV). Ms 5.2 (BRK).
	31	17	31	40.9&	40.186	N	29.224	E	5	G			0.2	6	TURKEY. MD 2.8 (ISK).
	31	19	11	29.0	12.581	N	142.088	E	172		5.0		1.0	49	SOUTH OF MARIANA ISLANDS
	31	19	36	02.0*	2.692	N	127.264	E	33	N	4.3		0.9	11	NORTHERN MOLUCCA SEA
	31	19	46	42.7	44.170	N	7.871	E	5	G			1.0	12	NORTHERN ITALY. ML 1.9 (GEN), 1.8 (LDG).
	31	19	56	54.0&	44.121	N	7.834	E	5	G			0.5	8	NORTHERN ITALY. ML 1.9 (GEN).
	31	20	31	49.2&	60.941	N	147.207	W	22					52	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
	31	21	03	46.6?	34.07	S	70.06	W	10	G			0.1	7	CHILE-ARGENTINA BORDER REGION
	31	21	09	14.3&	33.102	S	70.216	W	100	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 2.5 (SAN).
	31	21	26	52.8&	39.368	N	111.952	W	5	G				12	UTAH. <SLC-P>. MD 3.2 (SLC).
	31	21	39	34.5&	33.145	S	70.289	W	5	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	31	21	47	39.1&	35.548	N	121.286	W	1					28	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).
	31	22	23	21.7&	36.705	N	121.332	W	4					45	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (GS).
	31	23	49	23.6*	16.288	S	174.457	W	117	*	4.3		1.1	23	TONGA ISLANDS

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

01 02 04 23.26 55.669N 161.222E 90km
5.4mb (131 obs.)
NEAR EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 34S, 43C
Centroid Location:
Origin Time 02:04:27.8 0.4
Lat 55.49N 0.03 Lon 161.79E 0.06
Dep 100.3 2.4 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.96	59	42
N	0.53	29	242
P	-10.48	8	147

Best Double Couple:Mo=1.0*10**17
NP1:Strike=207 Dip=45 Slip= 46
NP2: 81 60 124

01 20 09 32.23 52.668N 34.854W 10km
4.9mb (83 obs.) 4.8Msz (41 obs.)
NORTH ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 44S, 61C
Centroid Location:
Origin Time 20:09:35.4 0.2
Lat 52.79N 0.04 Lon 34.83W 0.05
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.61	7	258
N	0.76	16	350
P	-9.37	73	146

Best Double Couple:Mo=9.0*10**16
NP1:Strike=331 Dip=41 Slip=-115
NP2: 182 54 -70

03 04 40 26.91 26.992S 112.869W 10km
4.8mb (19 obs.) 5.2Msz (4 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 36S, 49C
Centroid Location:
Origin Time 04:40:34.0 0.4
Lat 27.56S 0.05 Lon 112.85W 0.05
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.54	24	84
N	-0.23	58	220
P	-1.32	20	345

Best Double Couple:Mo=1.4*10**17
NP1:Strike=124 Dip=58 Slip= 177
NP2: 215 87 32

03 11 46 00.65 6.551S 155.004E 33km
5.5mb (63 obs.) 5.3Msz (41 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 59S,102C
Centroid Location:
Origin Time 11:46: 5.8 0.2
Lat 6.79S 0.02 Lon 154.97E 0.02
Dep 53.8 1.2 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.55	79	7
N	0.19	7	133
P	-2.74	9	224

Best Double Couple:Mo=2.6*10**17
NP1:Strike=322 Dip=37 Slip= 101
NP2: 128 54 82

03 12 02 10.42 6.496S 155.008E 37km
5.9mb (89 obs.) 5.5Msz (49 obs.)
SOLOMON ISLANDS
RADIATED ENERGY
No. of sta: 10 Focal mech. M
Energy 1.7±0.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 56 No. of sta: 12
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.22	76	129
N	0.11	14	309
P	-4.34	0	219

Best Double Couple:Mo=4.3*10**17
NP1:Strike=295 Dip=47 Slip= 71
NP2: 143 47 109
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 65S,119C
Centroid Location:
Origin Time 12:02:16.0 0.2
Lat 6.70S 0.02 Lon 155.02E 0.02
Dep 57.9 1.4 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.47	85	43
N	0.02	0	133
P	-4.48	5	223

Best Double Couple:Mo=4.5*10**17
NP1:Strike=313 Dip=40 Slip= 90
NP2: 133 50 90

03 21 12 37.69 14.688S 175.486W 22km
5.7mb (64 obs.) 5.7Msz (58 obs.)
SAMOA ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=187 Dip=89 Slip=-165
NP2: 97 75 -1
Principal Axes:

	Plg=	Azm=
T	10	321
P	11	53

Comment: The focal mechanism is 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: 6 Focal mech. F
Energy 7.2±2.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 9 No. of sta: 22
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	10.30	19	324
N	-2.31	62	194
P	-7.98	20	61

Best Double Couple:Mo=9.1*10**17
NP1:Strike=102 Dip=62 Slip= -1
NP2: 193 89 -152
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 71S,164C
Centroid Location:
Origin Time 21:12:43.7 0.1
Lat 14.58S 0.01 Lon 175.30W 0.01
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	8.59	4	316
N	-0.16	72	213
P	-8.43	17	47

Best Double Couple:Mo=8.5*10**17
NP1:Strike= 90 Dip=75 Slip= -9
NP2: 183 81 -165

04 17 56 38.08 13.972S 14.495W 10km
5.4mb (53 obs.) 5.0Msz (37 obs.)
SOUTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 37S, 66C
Centroid Location:
Origin Time 17:56:46.6 0.2
Lat 13.81S 0.03 Lon 14.67W 0.03
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.29	0	236
N	-0.18	0	146
P	-1.12	90	180

Best Double Couple:Mo=1.2*10**17
NP1:Strike=326 Dip=45 Slip= -90
NP2: 146 45 -90

06 18 43 40.15 2.690N 118.226E 17km
5.5mb (59 obs.) 5.8Msz (43 obs.)
CELEBES SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=337 Dip=75 Slip= 90
NP2: 157 15 90
Principal Axes:

	Plg=	Azm=
T	60	247
P	30	67

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 1.0±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 9 No. of sta: 28
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.46	49	215
N	-0.01	27	341
P	-1.44	28	88

Best Double Couple:Mo=1.4*10**18
NP1:Strike=225 Dip=30 Slip= 157
NP2: 335 79 62
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 70S,150C
Centroid Location:
Origin Time 18:43:47.8 0.1
Lat 2.90N 0.02 Lon 118.27E 0.02
Dep 15.0 BDY Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	14.20	65	229
N	0.70	1	321
P	-14.90	25	52

Best Double Couple:Mo=1.5*10**18
NP1:Strike=145 Dip=20 Slip= 94
NP2: 321 70 89

08 03 45 58.69 16.562N 59.559W 8km
6.3mb (161 obs.) 6.2Msz (70 obs.)
LEEWARD ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=185 Dip=78 Slip= -90
NP2: 5 12 -90
Principal Axes:

	Plg=	Azm=
T	33	275
P	57	95

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 18 Focal mech. F
Energy 6.2±1.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 6 No. of sta: 31
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.57	32	302
N	0.03	2	211
P	-1.60	58	118

Best Double Couple:Mo=1.6*10**18
NP1:Strike= 39 Dip=13 Slip= -82
NP2: 210 77 -92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 70S,166C M.W.: 56S, 92C
Centroid Location:
Origin Time 03:46: 5.2 0.1
Lat 16.59N 0.01 Lon 59.56W 0.01
Dep 15.0 BDY Half-duration 3.0
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.23	19	253
N	-0.44	23	352
P	-1.79	59	127

Best Double Couple:Mo=2.0*10**18
NP1:Strike=311 Dip=32 Slip=-136
NP2: 182 68 -65

09 07 04 22.12 78.302N 2.302E 10km
5.1mb (86 obs.) 4.4Msz (7 obs.)
GREENLAND SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 20S, 28C
Centroid Location:
Origin Time 07:04:26.0 0.6
Lat 78.78N 0.10 Lon 1.46E 0.37
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

T Val= 4.11 Plg=76 Azm=330
N 2.02 14 150
P -6.13 0 60
Best Double Couple:Mo=5.1*10**16
NP1:Strike=137 Dip=47 Slip= 71
NP2: 343 47 109

09 18 36 56.11 20.939N 121.967E 33km
5.0mb (68 obs.) 5.3Msz (34 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 29S, 37C
Centroid Location:
Origin Time 18:36:54.7 0.5
Lat 21.05N 0.08 Lon 121.64E 0.07
Dep 42.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.12 Plg=21 Azm= 65
N 0.48 34 321
P -1.60 49 181
Best Double Couple:Mo=1.4*10**17
NP1:Strike=197 Dip=39 Slip= -27
NP2: 309 73 -125

10 05 22 22.49 46.121N 143.484E 350km
5.4mb (169 obs.)
SAKHALIN ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 51S, 87C
Centroid Location:
Origin Time 05:22:25.9 0.2
Lat 46.10N 0.02 Lon 143.31E 0.03
Dep 354.8 1.4 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.33 Plg=16 Azm= 24
N 0.57 64 150
P -3.89 20 288
Best Double Couple:Mo=3.6*10**17
NP1:Strike= 66 Dip=64 Slip=-177
NP2: 335 88 -26

10 08 22 37.90 11.524S 130.822W 10km
5.4mb (50 obs.) 4.9Msz (24 obs.)
SOUTH PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 29S, 38C
Centroid Location:
Origin Time 08:22:43.0 0.3
Lat 11.80S 0.06 Lon 131.31W 0.06
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 1.48 Plg=66 Azm=238
N -0.12 4 337
P -1.35 23 68
Best Double Couple:Mo=1.4*10**17
NP1:Strike=167 Dip=22 Slip= 101
NP2: 335 69 86

11 04 49 56.44 39.445N 142.016E 46km
4.8mb (66 obs.) 4.2Msz (4 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 9S, 11C
Centroid Location:
Origin Time 04:50: 0.6 0.9
Lat 39.44N FIX;Lon 142.09E FIX
Dep 46.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.09 Plg=62 Azm=283
N -1.09 4 185
P -5.01 28 93
Best Double Couple:Mo=5.6*10**16
NP1:Strike=172 Dip=17 Slip= 76
NP2: 7 73 94

11 15 21 10.89 44.070N 148.079E 33km
5.9mb (183 obs.) 5.7Msz (67 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 26 Dip=80 Slip= 90
NP2: 206 10 90
Principal Axes:
T Plg=55 Azm=296
P 35 116
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 8.2±2.3*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 32 No. of sta: 35
Principal Axes:
Scale 10**17 Nm
T Val= 8.64 Plg=59 Azm=284
N -2.41 13 37
P -6.23 27 133
Best Double Couple:Mo=7.4*10**17
NP1:Strike=252 Dip=21 Slip= 127
NP2: 33 73 77
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 65S,155C M.W.: 32S, 48C
Centroid Location:
Origin Time 15:21:16.1 0.1
Lat 44.08N 0.01 Lon 148.44E 0.01
Dep 43.6 0.7 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 8.38 Plg=73 Azm=281
N 1.45 8 37
P -9.84 15 129
Best Double Couple:Mo=9.1*10**17
NP1:Strike=230 Dip=31 Slip= 105
NP2: 33 61 81

12 04 40 45.74 40.325N 143.322E 29km
5.0mb (64 obs.) 5.1Msz (6 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 21S, 27C
Centroid Location:
Origin Time 04:40:49.0 0.5
Lat 40.04N 0.08 Lon 143.62E 0.07
Dep 33.8 4.5 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 6.85 Plg=70 Azm=330
N -0.71 10 211
P -6.14 17 118
Best Double Couple:Mo=6.5*10**16
NP1:Strike=193 Dip=29 Slip= 70
NP2: 36 63 101

12 09 41 55.60 10.774S 165.979E 33km
4.6mb (21 obs.) 4.8Msz (2 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 51S, 71C
Centroid Location:
Origin Time 09:42: 0.2 0.2
Lat 10.98S 0.03 Lon 165.72E 0.03
Dep 34.2 2.0 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.24 Plg=84 Azm=203
N -0.11 4 336
P -1.13 4 66
Best Double Couple:Mo=1.2*10**17
NP1:Strike=160 Dip=41 Slip= 96
NP2: 333 49 85

12 12 09 41.76 5.346S 146.731E 217km
5.5mb (71 obs.)
EASTERN NEW GUINEA REG., P.N.G.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=159 Dip=62 Slip= 143
NP2: 268 58 34
Principal Axes:
T Plg=45 Azm=122
P 3 215
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 5.9±1.9*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 223 No. of sta: 11
Principal Axes:
Scale 10**17 Nm
T Val= 9.36 Plg=47 Azm=125
N 0.12 43 295
P -9.48 5 29
Best Double Couple:Mo=9.4*10**17
NP1:Strike=156 Dip=55 Slip= 146
NP2: 267 63 40
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 70S,158C
Centroid Location:
Origin Time 12:09:50.3 0.1
Lat 5.44S 0.01 Lon 146.86E 0.01
Dep 245.6 0.6 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 12.89 Plg=50 Azm=115
N -1.46 39 281
P -11.43 7 16
Best Double Couple:Mo=1.2*10**18
NP1:Strike=141 Dip=51 Slip= 144
NP2: 256 63 45

12 17 19 06.22 22.328N 143.985E 115km
4.7mb (35 obs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 6S, 8C
Centroid Location:
Origin Time 17:19: 4.6 1.2
Lat 22.35N FIX;Lon 143.90E FIX
Dep 121.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.51 Plg=57 Azm=199
N -1.25 20 323
P -4.26 25 63
Best Double Couple:Mo=4.9*10**16
NP1:Strike=189 Dip=26 Slip= 140
NP2: 317 73 69

13 10 31 46.43 2.788S 134.377E 8km
5.6mb (71 obs.) 5.6Msz (48 obs.)
IRIAN JAYA REGION, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=163 Dip=70 Slip=-142
NP2: 58 55 -25
Principal Axes:
T Plg=10 Azm=287
P 41 26
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 4.4±1.3*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 4 No. of sta: 17
Principal Axes:
Scale 10**17 Nm
T Val= 5.55 Plg=27 Azm=289
N -0.58 1 20
P -4.97 62 112
Best Double Couple:Mo=5.3*10**17
NP1:Strike= 16 Dip=18 Slip= -94
NP2: 200 72 -89
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 61S,120C
Centroid Location:
Origin Time 10:31:53.9 0.1
Lat 2.90S 0.02 Lon 134.28E 0.02
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.41 Plg=13 Azm=291
N -0.62 7 199
P -5.79 75 83
Best Double Couple:Mo=6.1*10**17
NP1:Strike= 30 Dip=33 Slip= -77
NP2: 195 58 -98

13 13 50 31.77 16.305S 173.619W 94km
4.9mb (27 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 12S, 15C

Centroid Location:
Origin Time 13:50:34.8 1.4
Lat 16.07S 0.14 Lon 173.31W 0.11
Dep 121.1 5.5 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.94 Plg=12 Azm=287
N 0.71 15 21
P -6.65 70 160
Best Double Couple:Mo=6.3*10**16
NP1:Strike=358 Dip=35 Slip=-117
NP2: 210 59 -72

14 06 27 17.50 19.029N 121.377E 33km
4.9mb (40 obs.) 4.2Msz (1 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 20S, 25C
Centroid Location:
Origin Time 06:27:20.4 0.5
Lat 19.12N 0.08 Lon 121.08E 0.09
Dep 45.1 6.5 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.96 Plg=69 Azm=122
N 0.07 4 21
P -6.03 21 290
Best Double Couple:Mo=6.0*10**16
NP1:Strike= 12 Dip=25 Slip= 80
NP2: 203 66 95

14 08 13 24.23 4.837S 144.684E 100km
5.0mb (29 obs.)
NEAR N COAST OF NEW GUINEA, PNG.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 12S, 17C
Centroid Location:
Origin Time 08:13:24.1 0.9
Lat 4.83S 0.07 Lon 144.66E 0.12
Dep 99.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.45 Plg=60 Azm=347
N -0.52 21 120
P -5.93 20 218
Best Double Couple:Mo=6.2*10**16
NP1:Strike=340 Dip=32 Slip= 134
NP2: 111 68 67

14 10 27 30.79 3.050N 95.845E 30km
5.1mb (31 obs.) 5.2Msz (8 obs.)
OFF W COAST OF NORTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 44S, 77C
Centroid Location:
Origin Time 10:27:34.1 0.3
Lat 2.78N 0.03 Lon 95.63E 0.03
Dep 29.4 2.0 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 1.58 Plg=71 Azm= 53
N 0.24 5 308
P -1.82 18 217
Best Double Couple:Mo=1.7*10**17
NP1:Strike=299 Dip=27 Slip= 79
NP2: 131 64 95

14 12 56 30.61 15.148S 64.817W 587km
5.0mb (61 obs.)
CENTRAL BOLIVIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 49S, 80C
Centroid Location:
Origin Time 12:56:36.9 0.2
Lat 15.09S 0.03 Lon 64.68W 0.02
Dep 597.1 1.5 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.48 Plg=52 Azm=213
N -0.49 35 4
P -2.99 14 104
Best Double Couple:Mo=3.2*10**17
NP1:Strike=232 Dip=44 Slip= 146
NP2: 348 67 52

14 17 33 50.75 54.776N 161.339W 35km
6.1mb (166 obs.) 5.9Msz (70 obs.)
ALASKA PENINSULA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 60 Dip=65 Slip= 90
NP2: 240 25 90
Principal Axes:
T Plg=70 Azm=330
P 20 150
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 20 Focal mech. F
Energy 1.3±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 44 No. of sta: 40
Principal Axes:
Scale 10**18 Nm
T Val= 2.31 Plg=69 Azm=288
N 0.05 14 60
P -2.36 15 154
Best Double Couple:Mo=2.3*10**18
NP1:Strike=263 Dip=33 Slip= 117
NP2: 52 61 74
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 68S,168C M.W.: 45S, 78C
Centroid Location:
Origin Time 17:33:56.0 0.1
Lat 54.43N 0.01 Lon 160.86W 0.01
Dep 44.0 BDY Half-duration 3.0
Principal Axes:
Scale 10**18 Nm
T Val= 2.02 Plg=70 Azm=312
N 0.28 7 60
P -2.30 19 153
Best Double Couple:Mo=2.2*10**18
NP1:Strike=254 Dip=26 Slip= 105
NP2: 57 65 83

15 02 31 31.92 15.057N 118.652E 27km
5.1mb (51 obs.) 5.1Msz (4 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 28S, 44C
Centroid Location:
Origin Time 02:31:33.4 0.3
Lat 15.36N 0.04 Lon 118.88E 0.04
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.42 Plg=23 Azm=293
N 0.16 56 61
P -1.58 24 192
Best Double Couple:Mo=1.5*10**17
NP1:Strike=333 Dip=56 Slip=-179
NP2: 242 89 -34

16 04 34 44.86 21.605S 176.477W 182km
5.5mb (88 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 55S,101C
Centroid Location:
Origin Time 04:34:49.2 0.2
Lat 21.69S 0.02 Lon 176.16W 0.02
Dep 184.9 0.9 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.31 Plg=29 Azm= 98
N 0.30 15 197
P -3.61 56 310
Best Double Couple:Mo=3.5*10**17
NP1:Strike=151 Dip=21 Slip=-137
NP2: 20 76 -75

17 02 18 39.35 13.175S 166.821E 33km
5.8mb (60 obs.) 5.2Msz (45 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 55S, 95C
Centroid Location:
Origin Time 02:18:45.5 0.2
Lat 13.21S 0.02 Lon 166.37E 0.02
Dep 50.7 1.4 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.12 Plg=82 Azm=301
N 0.00 4 176
P -2.12 6 86
Best Double Couple:Mo=2.1*10**17
NP1:Strike=171 Dip=39 Slip= 83
NP2: 0 52 96

18 09 27 19.33 29.267N 140.684E 104km
5.4mb (117 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 31S, 49C
Centroid Location:
Origin Time 09:27:21.5 0.3
Lat 29.47N 0.05 Lon 140.83E 0.03
Dep 87.6 2.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.15 Plg=69 Azm=222
N 2.21 7 331
P -10.36 20 64
Best Double Couple:Mo=9.2*10**16
NP1:Strike=166 Dip=26 Slip= 106
NP2: 328 65 82

19 15 59 19.89 8.661S 108.946W 10km
4.9mb (30 obs.) 5.1Msz (34 obs.)
CENTRAL EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 44S, 87C
Centroid Location:
Origin Time 15:59:23.2 0.2
Lat 8.94S 0.03 Lon 109.69W 0.03
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.01 Plg= 2 Azm=319
N -0.07 84 75
P -1.95 5 228
Best Double Couple:Mo=2.0*10**17
NP1:Strike= 4 Dip=85 Slip=-178
NP2: 273 88 -5

19 17 04 07.71 7.478N 76.725W 35km
4.8mb (39 obs.) 4.9Msz (3 obs.)
NORTHERN COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 33S, 46C
Centroid Location:
Origin Time 17:04:11.4 0.4
Lat 7.63N 0.04 Lon 76.84W 0.04
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 9.79 Plg= 0 Azm=236
N -0.98 90 180
P -8.81 0 146
Best Double Couple:Mo=9.3*10**16
NP1:Strike=281 Dip=90 Slip=-180
NP2: 11 90 0

19 18 34 04.48 4.231S 135.013E 19km
5.6mb (61 obs.) 6.1Msz (61 obs.)
IRIAN JAYA REGION, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=355 Dip=84 Slip= 175
NP2: 86 85 6
Principal Axes:
T Plg= 8 Azm=310
P 1 220
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 8.0±3.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 25 No. of sta: 16
Principal Axes:
Scale 10**18 Nm
T Val= 1.12 Plg=10 Azm=305
N 0.02 80 131
P -1.14 1 35
Best Double Couple:Mo=1.1*10**18
NP1:Strike= 81 Dip=82 Slip= 6
NP2: 350 84 172
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 64S,155C M.W.: 49S, 82C
Centroid Location:

Origin Time 18:34: 8.7 0.1
Lat 4.23S 0.01 Lon 135.13E 0.01
Dep 24.8 1.0 Half-duration 2.8
Principal Axes:
Scale 10**18 Nm
T Val= 1.68 Plg= 7 Azm=307
N 0.11 77 70
P -1.80 11 216
Best Double Couple:Mo=1.7*10**18
NP1:Strike=352 Dip=77 Slip=-177
NP2: 261 87 -13

19 23 53 14.92 4.183S 135.109E 33km
6.2mb (95 obs.) 7.1Msz (70 obs.)
IRIAN JAYA REGION, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=178 Dip=89 Slip= 150
NP2: 269 60 1
Principal Axes:
T Plg=21 Azm=129
P 20 227
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 10 Focal mech. F
Energy 3.2±0.8*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 13 No. of sta: 14
Principal Axes:
Scale 10**19 Nm
T Val= 2.11 Plg=23 Azm=130
N -0.01 61 351
P -2.10 17 227
Best Double Couple:Mo=2.1*10**19
NP1:Strike=269 Dip=61 Slip= 4
NP2: 177 86 151
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 67S,174C M.W.: 66S,172C
Centroid Location:
Origin Time 23:53:21.8 0.1
Lat 4.18S 0.01 Lon 135.10E 0.01
Dep 19.0 0.6 Half-duration 6.6
Principal Axes:
Scale 10**19 Nm
T Val= 2.06 Plg= 5 Azm=122
N 0.38 79 6
P -2.44 10 212
Best Double Couple:Mo=2.2*10**19
NP1:Strike=257 Dip=80 Slip= -4
NP2: 347 86 -169

20 08 14 51.97 8.012S 116.494E 232km
5.3mb (51 obs.)
SUMBAWA REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 59S,108C
Centroid Location:
Origin Time 08:14:54.0 0.2
Lat 8.14S 0.02 Lon 116.45E 0.01
Dep 222.0 1.1 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.91 Plg= 3 Azm= 81
N 0.27 56 346
P -5.18 34 174
Best Double Couple:Mo=5.1*10**17
NP1:Strike=212 Dip=64 Slip= -23
NP2: 312 69 -152

20 10 48 53.83 4.212S 134.709E 33km
5.5mb (39 obs.) 4.8Msz (8 obs.)
IRIAN JAYA REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 48S, 81C
Centroid Location:
Origin Time 10:48:54.7 0.3
Lat 4.23S 0.03 Lon 134.85E 0.04
Dep 15.0 BDY Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.46 Plg=80 Azm=288
N 0.35 10 102
P -1.81 1 192
Best Double Couple:Mo=1.6*10**17
NP1:Strike=292 Dip=45 Slip= 104
NP2: 92 47 76

20 17 34 50.88 54.792S 118.778W 10km
5.2mb (18 obs.) 5.4Msz (28 obs.)
SOUTHERN EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 57S, 95C
Centroid Location:
Origin Time 17:34:57.4 0.2
Lat 54.78S 0.02 Lon 118.85W 0.04
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 2.87 Plg= 7 Azm=147
N -0.34 82 295
P -2.53 4 56
Best Double Couple:Mo=2.7*10**17
NP1:Strike=191 Dip=82 Slip= 178
NP2: 281 88 8

22 07 24 08.00 8.872S 156.322E 33km
5.2mb (22 obs.) 4.9Msz (2 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 23S, 41C
Centroid Location:
Origin Time 07:24:10.9 0.5
Lat 8.91S 0.06 Lon 156.61E 0.05
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.49 Plg=15 Azm=265
N 0.02 65 141
P -1.51 20 1
Best Double Couple:Mo=1.5*10**17
NP1:Strike= 42 Dip=65 Slip= -4
NP2: 134 87 -155

22 13 37 48.12 4.054S 135.255E 33km
5.2mb (27 obs.) 5.1Msz (3 obs.)
IRIAN JAYA REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 51S, 95C
Centroid Location:
Origin Time 13:37:51.0 0.2
Lat 3.95S 0.02 Lon 135.22E 0.02
Dep 16.7 2.8 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.68 Plg=18 Azm=267
N -0.72 71 95
P -2.97 2 358
Best Double Couple:Mo=3.3*10**17
NP1:Strike= 44 Dip=75 Slip= 12
NP2: 311 79 165

22 14 00 13.78 18.741S 177.794W 640km
4.9mb (37 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 22S, 39C
Centroid Location:
Origin Time 14:00:19.5 1.0
Lat 18.73S 0.08 Lon 177.75W 0.08
Dep 643.4 4.0 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.19 Plg=16 Azm=342
N -0.13 33 83
P -2.07 52 231
Best Double Couple:Mo=2.1*10**17
NP1:Strike= 34 Dip=41 Slip=-146
NP2: 278 68 -54

22 19 43 30.01 41.042S 174.019E 87km
5.5mb (17 obs.)
COOK STRAIT, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 62S,131C
Centroid Location:
Origin Time 19:43:34.5 0.1
Lat 40.89S 0.01 Lon 174.17E 0.02
Dep 90.2 0.8 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 7.38 Plg=39 Azm=245
N -2.48 51 64
P -4.90 0 154

Best Double Couple:Mo=6.1*10**17
NP1:Strike=282 Dip=63 Slip= 150
NP2: 27 64 30

22 22 39 20.84 21.280S 169.077E 33km
5.2mb (15 obs.) 5.6Msz (46 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 59S,116C
Centroid Location:
Origin Time 22:39:26.9 0.2
Lat 21.07S 0.02 Lon 168.88E 0.02
Dep 16.0 BDY Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 4.84 Plg=65 Azm= 10
N -0.15 21 152
P -4.69 14 247
Best Double Couple:Mo=4.8*10**17
NP1:Strike= 4 Dip=36 Slip= 127
NP2: 141 62 67

23 02 08 34.52 7.418N 76.635W 10km
5.1mb (75 obs.) 4.8Msz (7 obs.)
NORTHERN COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 35S, 51C
Centroid Location:
Origin Time 02:08:40.9 0.3
Lat 7.56N 0.04 Lon 76.46W 0.04
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.25 Plg= 3 Azm= 45
N 0.24 69 142
P -1.49 21 314
Best Double Couple:Mo=1.4*10**17
NP1:Strike= 92 Dip=74 Slip=-167
NP2: 358 78 -17

23 09 18 21.07 36.272S 72.964W 42km
5.2mb (19 obs.) 5.5Msz (1 obs.)
NEAR COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 18S, 23C
Centroid Location:
Origin Time 09:18:25.1 0.3
Lat 36.33S 0.06 Lon 72.81W 0.09
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.91 Plg=50 Azm= 77
N 0.28 3 171
P -2.19 40 263
Best Double Couple:Mo=2.0*10**17
NP1:Strike= 21 Dip= 6 Slip= 120
NP2: 170 85 87

23 10 14 21.27 62.588S 155.503E 10km
4.9mb (8 obs.) 5.3Msz (2 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 44S, 82C
Centroid Location:
Origin Time 10:14:26.2 0.2
Lat 62.59S 0.02 Lon 154.92E 0.05
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.21 Plg= 7 Azm= 19
N -0.23 83 183
P -2.98 2 288
Best Double Couple:Mo=3.1*10**17
NP1:Strike= 63 Dip=84 Slip= 176
NP2: 154 86 6

23 20 21 28.56 4.021S 135.342E 33km
4.9mb (18 obs.) 4.8Msz (5 obs.)
IRIAN JAYA REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 29S, 44C
Centroid Location:
Origin Time 20:21:33.2 0.5
Lat 3.81S 0.04 Lon 135.50E 0.04
Dep 30.3 4.1 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.61 Plg=21 Azm=264

N -0.32 64 124
P -1.29 15 0
Best Double Couple:Mo=1.5*10**17
NP1:Strike= 43 Dip=64 Slip= 4
NP2: 311 86 154

24 04 13 46.40 24.582N 121.968E 45km
5.0mb (71 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 10S, 12C
Centroid Location:
Origin Time 04:13:52.5 0.8
Lat 24.63N 0.09 Lon 121.86E 0.08
Dep 65.6 7.5 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 3.82 Plg=72 Azm=125
N 1.84 11 1
P -5.66 15 268
Best Double Couple:Mo=4.7*10**16
NP1:Strike=344 Dip=32 Slip= 70
NP2: 187 61 102

24 07 11 40.36 24.359S 176.930W 108km
5.4mb (40 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 56S, 96C
Centroid Location:
Origin Time 07:11:46.0 0.2
Lat 24.37S 0.02 Lon 176.66W 0.02
Dep 130.1 0.8 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 2.93 Plg=63 Azm=260
N -0.48 21 122
P -2.45 17 26
Best Double Couple:Mo=2.7*10**17
NP1:Strike= 87 Dip=34 Slip= 50
NP2: 313 65 113

25 01 13 01.39 15.966S 74.889W 33km
4.9mb (19 obs.) 4.8Msz (1 obs.)
NEAR COAST OF PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 21S, 30C
Centroid Location:
Origin Time 01:13: 4.0 0.4
Lat 16.11S 0.07 Lon 75.17W 0.07
Dep 33.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 7.19 Plg=58 Azm=111
N 1.26 26 328
P -8.46 17 229
Best Double Couple:Mo=7.8*10**16
NP1:Strike=286 Dip=37 Slip= 42
NP2: 160 66 119

25 10 42 19.36 43.125N 147.438E 53km
5.2mb (72 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 12S, 16C
Centroid Location:
Origin Time 10:42:21.9 0.8
Lat 42.99N FIX;Lon 147.54E FIX
Dep 47.6 7.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 4.03 Plg=66 Azm=255
N 1.16 15 24
P -5.19 17 119
Best Double Couple:Mo=4.6*10**16
NP1:Strike=232 Dip=31 Slip= 121
NP2: 17 64 73

25 22 44 28.91 10.998S 166.123E 79km
5.9mb (88 obs.)
SANTA CRUZ ISLANDS
RADIATED ENERGY
No. of sta: 11 Focal mech. M
Energy 1.2±0.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 84 No. of sta: 34
Principal Axes:
Scale 10**18 Nm
T Val= 2.07 Plg=76 Azm= 38
N -0.33 13 195
P -1.74 5 286
Best Double Couple:Mo=1.9*10**18
NP1:Strike= 30 Dip=41 Slip= 110
NP2: 185 52 74
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 68S,167C
Centroid Location:
Origin Time 22:44:34.8 0.1
Lat 11.05S 0.01 Lon 165.91E 0.01
Dep 81.5 0.7 Half-duration 3.0
Principal Axes:
Scale 10**18 Nm
T Val= 2.24 Plg=65 Azm= 37
N -0.39 24 197
P -1.85 8 291
Best Double Couple:Mo=2.0*10**18
NP1:Strike= 46 Dip=43 Slip= 127
NP2: 180 57 61

26 02 16 12.56 55.950S 28.214W 48km
5.9mb (28 obs.) 5.9Msz (49 obs.)
SOUTH SANDWICH ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=160 Dip=63 Slip= 160
NP2: 259 72 28
Principal Axes:
T Plg=32 Azm=122
P 6 28
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 2.8±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 51 No. of sta: 16
Principal Axes:
Scale 10**18 Nm
T Val= 2.79 Plg=48 Azm=134
N -0.12 19 247
P -2.68 36 352
Best Double Couple:Mo=2.7*10**18
NP1:Strike=138 Dip=20 Slip= 162
NP2: 245 84 71
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 67S,167C M.W.: 59S, 95C
Centroid Location:
Origin Time 02:16:20.5 0.1
Lat 55.71S 0.01 Lon 28.34W 0.01
Dep 57.3 0.9 Half-duration 3.4
Principal Axes:
Scale 10**18 Nm
T Val= 3.05 Plg=39 Azm=125
N -0.74 36 251
P -2.31 31 6
Best Double Couple:Mo=2.7*10**18
NP1:Strike=151 Dip=36 Slip= 172
NP2: 247 85 54

26 05 21 19.58 54.821N 161.393W 38km
5.9mb (137 obs.) 4.8Msz (41 obs.)
ALASKA PENINSULA
RADIATED ENERGY
No. of sta: 8 Focal mech. C
Energy 1.1±0.2*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 39S, 62C
Centroid Location:
Origin Time 05:21:24.3 0.3
Lat 54.59N 0.03 Lon 161.06W 0.05
Dep 52.9 3.2 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.61 Plg=70 Azm=299
N 0.13 9 53
P -1.74 18 146
Best Double Couple:Mo=1.7*10**17
NP1:Strike=249 Dip=28 Slip= 109
NP2: 48 64 80

26 05 57 11.54 54.851N 161.352W 33km
5.3mb (104 obs.) 4.6Msz (34 obs.)
ALASKA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 35S, 54C
Centroid Location:
Origin Time 05:57:16.1 0.4
Lat 54.60N 0.05 Lon 161.04W 0.07
Dep 46.2 4.9 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 11.35 Plg=67 Azm=303
N 0.00 6 47
P -11.36 22 140
Best Double Couple:Mo=1.1*10**17
NP1:Strike=241 Dip=24 Slip= 105
NP2: 45 67 84

26 15 12 31.76 2.050S 79.492W 91km
5.1mb (77 obs.)
NEAR COAST OF ECUADOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 40S, 69C
Centroid Location:
Origin Time 15:12:35.3 0.2
Lat 2.30S 0.02 Lon 79.48W 0.02
Dep 102.5 1.3 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.06 Plg=10 Azm=289
N -0.43 76 65
P -2.63 10 198
Best Double Couple:Mo=2.8*10**17
NP1:Strike=333 Dip=76 Slip= 180
NP2: 64 90 14

29 00 10 22.32 20.858S 169.170E 33km
4.6mb (13 obs.) 4.8Msz (28 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 26S, 31C
Centroid Location:
Origin Time 00:10:27.0 0.4
Lat 20.69S 0.08 Lon 168.73E 0.06
Dep 32.9 4.2 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.72 Plg=61 Azm=347
N -0.65 27 148
P -6.08 8 242
Best Double Couple:Mo=6.4*10**16
NP1:Strike= 1 Dip=44 Slip= 131
NP2: 130 59 57

29 14 39 48.75 42.493S 100.755W 10km
5.3mb (44 obs.) 4.8Msz (34 obs.)
SOUTHERN PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 51S, 90C
Centroid Location:
Origin Time 14:39:57.1 0.2
Lat 42.33S 0.02 Lon 100.92W 0.02
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.82 Plg=10 Azm=221
N 0.72 80 29
P -2.54 2 130
Best Double Couple:Mo=2.2*10**17
NP1:Strike=265 Dip=81 Slip= 174
NP2: 356 84 9

30 10 14 41.01 5.462S 151.809E 70km
5.2mb (31 obs.)
NEW BRITAIN REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 36S, 56C
Centroid Location:
Origin Time 10:14:42.9 0.3
Lat 5.42S 0.05 Lon 152.34E 0.06
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 10.34 Plg=58 Azm= 11
N 0.94 14 258
P -11.28 29 161
Best Double Couple:Mo=1.1*10**17
NP1:Strike=218 Dip=21 Slip= 47
NP2: 82 75 104

30 22 15 52.12 44.842N 137.536E 319km
5.4mb (149 obs.)
EASTERN SEA OF JAPAN

CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 51S,100C
Centroid Location:
Origin Time 22:15:54.9 0.1
Lat 44.79N 0.01 Lon 137.32E 0.02
Dep 329.8 0.9 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.21	17	29
N	-1.22	51	278
P	-4.99	34	131

Best Double Couple:Mo=5.6*10**17
NP1:Strike=165 Dip=53 Slip= -14
NP2: 264 79 -142

31 09 27 13.02 4.383S 134.822E 33km
5.1mb (24 obs.) 5.0Msz (3 obs.)
IRIAN JAYA REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 25S, 36C
Centroid Location:
Origin Time 09:27:13.8 0.4
Lat 4.50S 0.05 Lon 134.74E 0.05
Dep 18.4 5.2 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.99	20	297
N	-1.02	69	96
P	-8.97	7	204

Best Double Couple:Mo=9.5*10**16
NP1:Strike=339 Dip=71 Slip= 171
NP2: 72 81 19

31 14 01 40.08 38.212N 135.012E 354km
6.0mb (192 obs.)
SEA OF JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=193 Dip=84 Slip= 87
NP2: 40 7 116
Principal Axes:

	Plg=	Azm=
T	51	100
P	39	286

Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 22 Focal mech. F
Energy 2.1±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 364 No. of sta: 34
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.81	35	69
N	0.12	22	176
P	-1.93	46	292

Best Double Couple:Mo=1.9*10**18
NP1:Strike=103 Dip=23 Slip=-165
NP2: 359 84 -68
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 52S,131C M.W.: 48S, 69C
Centroid Location:
Origin Time 14:01:44.1 0.1
Lat 38.16N 0.01 Lon 135.11E 0.01
Dep 366.5 0.4 Half-duration 2.8
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.86	45	86
N	0.47	9	186
P	-2.33	43	285

Best Double Couple:Mo=2.1*10**18
NP1:Strike= 91 Dip= 9 Slip= 175
NP2: 185 89 81

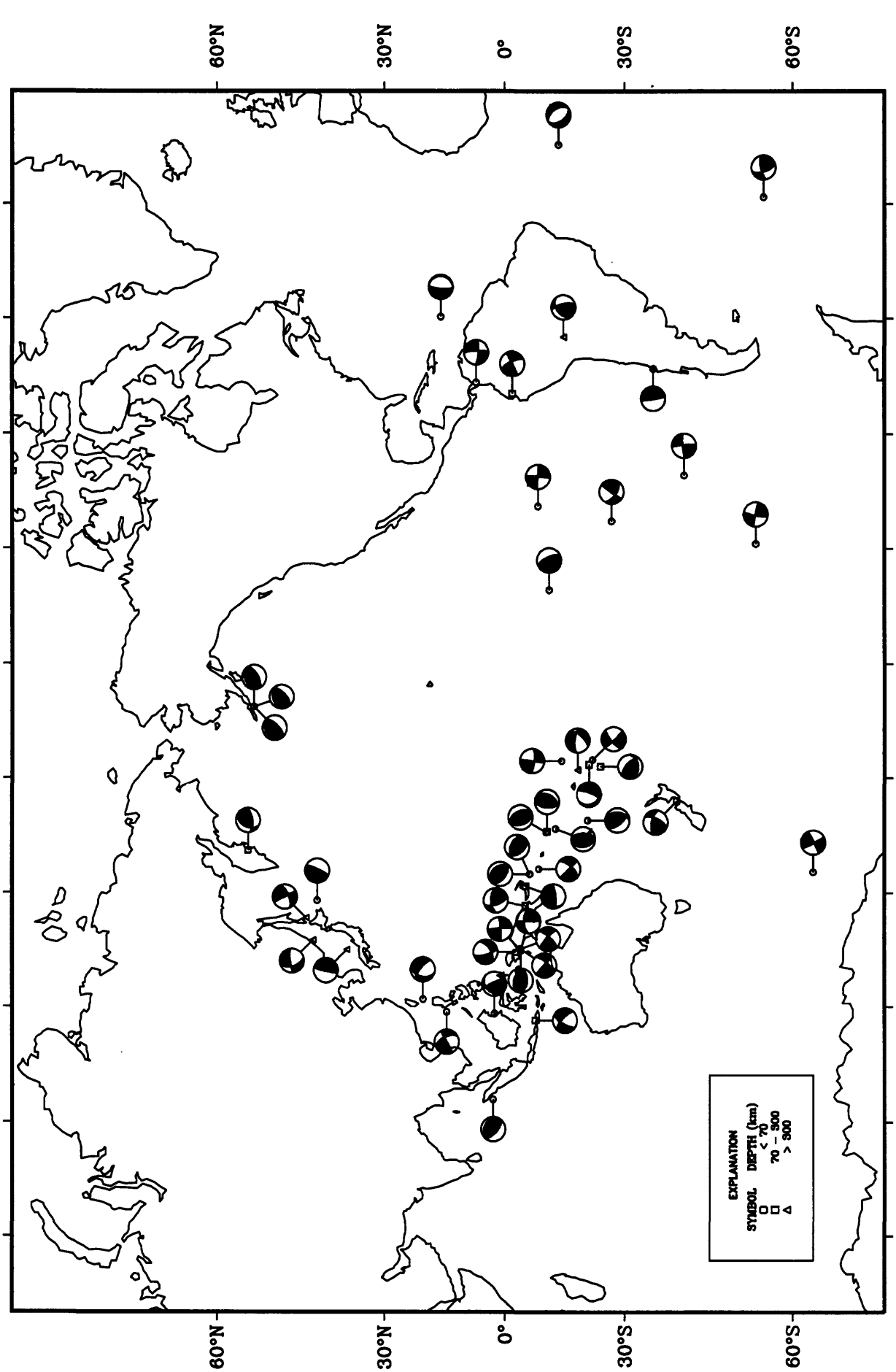
31 16 39 57.32 22.427S 175.162W 67km
5.4mb (48 obs.) 5.2Msz (40 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 49S, 89C
Centroid Location:
Origin Time 16:40: 0.5 0.2
Lat 22.29S 0.03 Lon 174.74W 0.02
Dep 47.9 2.2 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

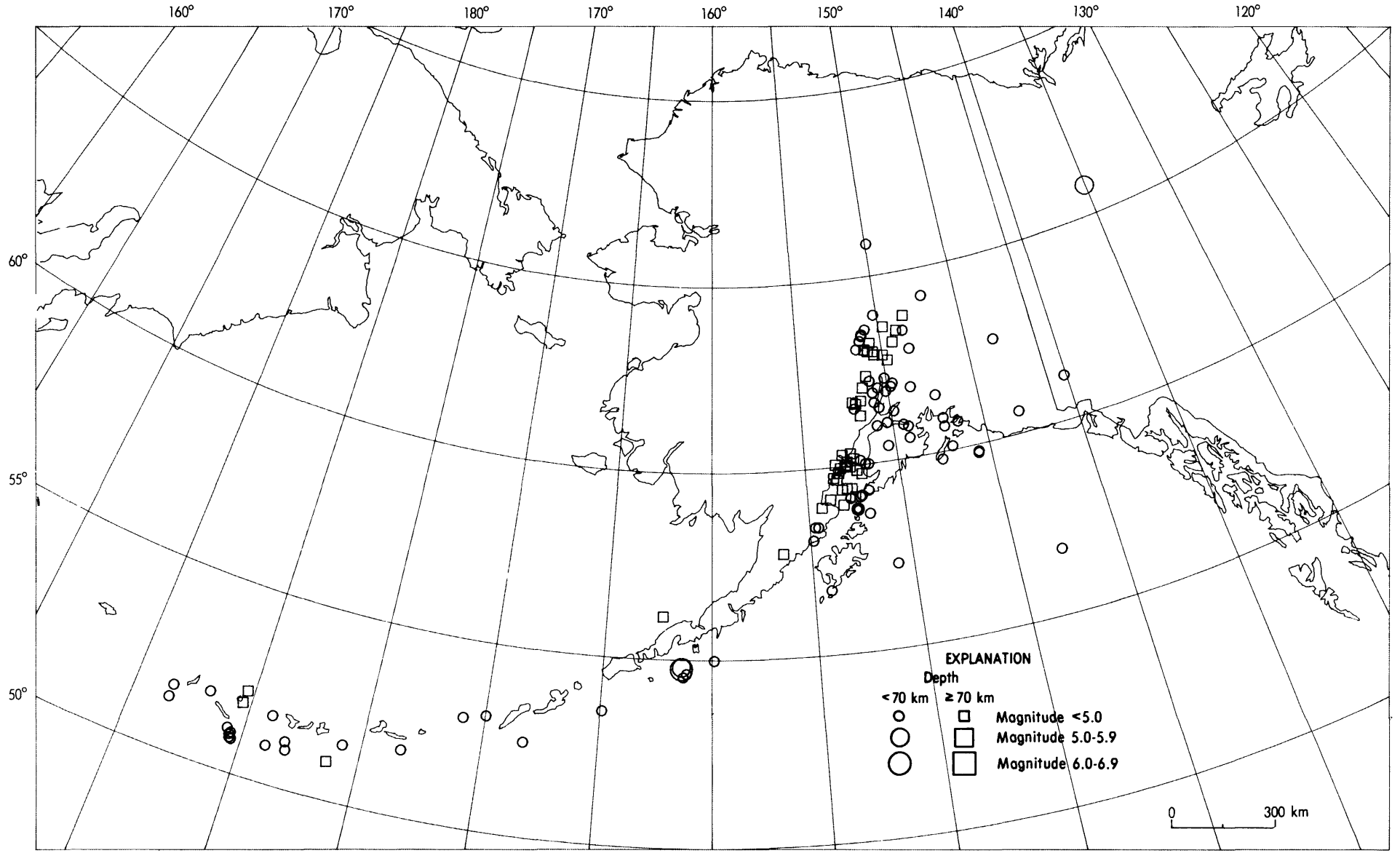
	Val=	Plg=	Azm=
T	3.77	8	184
N	0.90	71	296
P	-4.67	18	91

Best Double Couple:Mo=4.2*10**17
NP1:Strike=229 Dip=72 Slip=-173
NP2: 136 83 -18

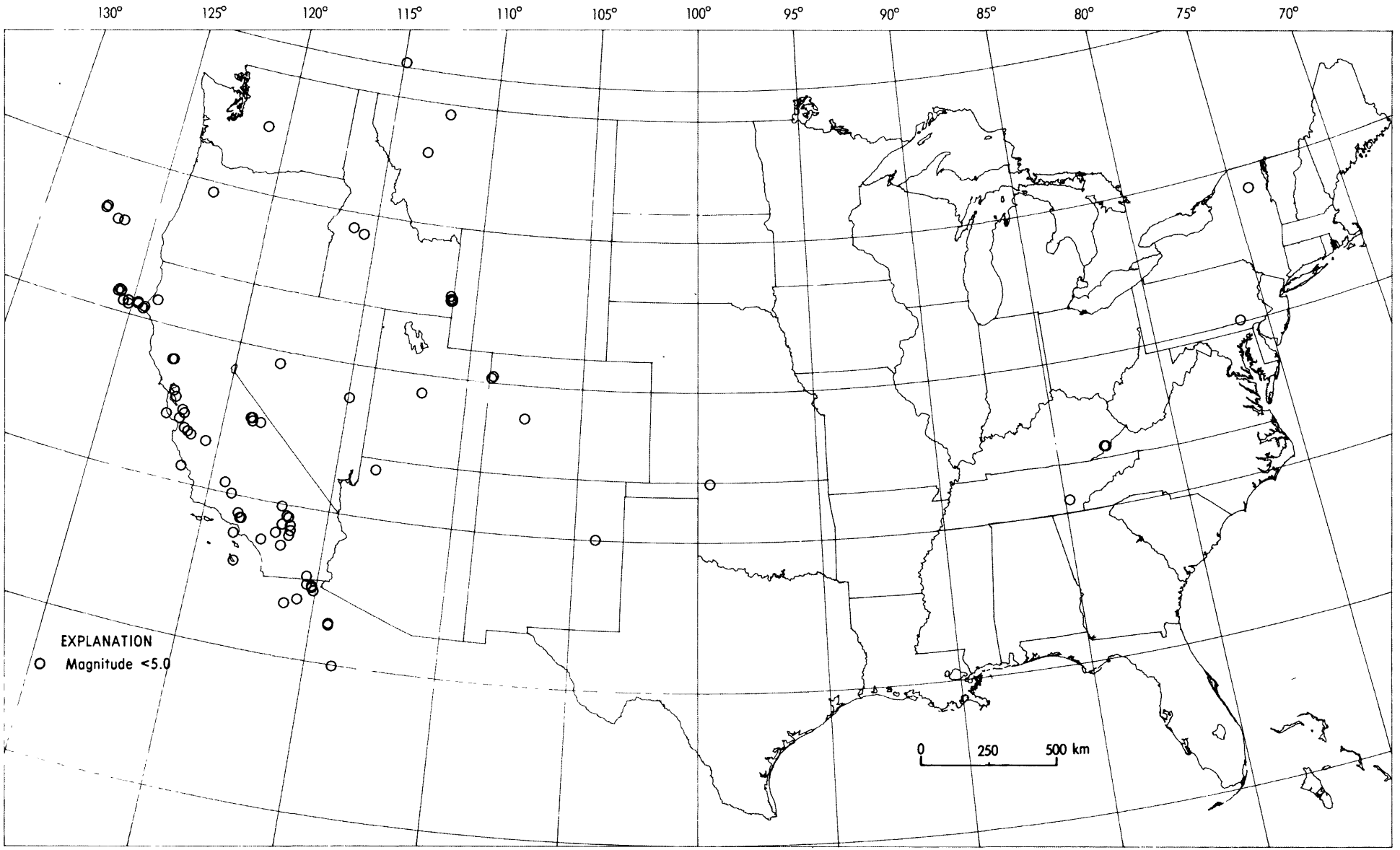
Compiled by Francis W. Baldwin, Pamela J. Benfield, Pingsheng Chang, George L. Choy, Willis S. Jacobs, Stuart K. Koyanagi, Christina K. LaVonne, John H. Minsch, Waverly J. Person, Bruce W. Presgrave, William H. Schmieder, Stuart A. Sipkin and Madeleine D. Zirbes.

Earthquake Focal Mechanisms for March 1995

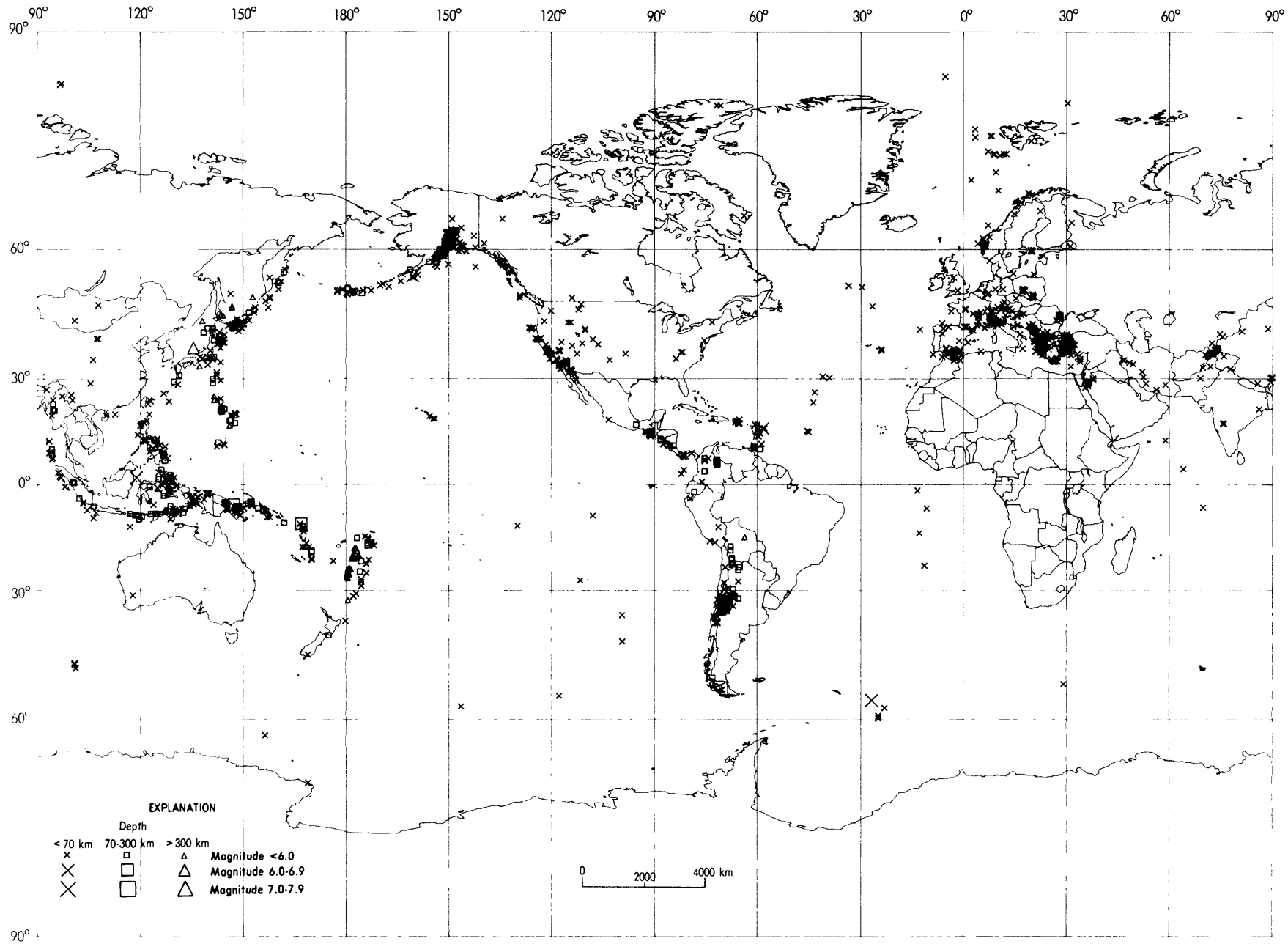




Earthquake epicenters in Alaska and adjacent regions for March, 1995



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



Earthquakes located in March, 1995

Printed on Recycled Paper

☆U.S. GOVERNMENT PRINTING OFFICE:1995—842-215

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

FEBRUARY 1995

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	01	41	54.6*	6.026	S	132.316	E	53	?	4.6		1.4	14	TANIMBAR ISLANDS REG., INDONESIA
	01	01	45	56.6&	59.606	N	153.057	W	101					32	SOUTHERN ALASKA. <AEIC>.
	01	04	30	08.7?	11.94	S	119.44	E	33	N	3.4		1.4	8	SOUTH OF SUMBA, INDONESIA
	01	04	40	14.8&	62.616	N	149.133	W	63					52	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
	01	09	08	36.1%	34.043	S	69.995	W	5	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	01	09	12	37.4*	30.014	N	139.962	E	72	*	4.2		1.0	24	SOUTH OF HONSHU, JAPAN
	01	09	55	40.0?	33.67	S	118.71	E	10	G			1.1	5	WESTERN AUSTRALIA
	01	10	43	57.5	18.188	N	68.365	W	180		4.6		0.8	106	MONA PASSAGE. MD 4.4 (MPR).
	01	11	07	56.0%	39.487	N	21.207	E	10	G			0.7	7	GREECE. ML 2.3 (THE).
	01	11	14	38.1	44.500	N	148.082	E	33	N	4.4		0.9	26	KURIL ISLANDS
	01	11	21	16.0?	15.77	S	167.74	E	150	?	4.4		0.5	10	VANUATU ISLANDS
	01	11	28	53.1*	8.505	S	127.547	E	33	N	4.5		1.2	6	TIMOR REGION, INDONESIA
	01	12	04	16.8	40.480	N	21.866	E	5	G			0.9	12	GREECE. ML 1.9 (THE).
	01	12	38	53.4*	5.536	S	147.361	E	33	N	4.0		1.4	7	EASTERN NEW GUINEA REG., P.N.G.
	01	12	45	34.4	40.858	N	15.411	E	5	G	4.1		1.3	31	SOUTHERN ITALY. ML 3.4 (ROM).
	01	13	23	15.5%	26.886	S	26.775	E	5	G			0.3	8	REPUBLIC OF SOUTH AFRICA. ML 3.5 (PRE).
	01	13	41	32.9	40.713	N	21.533	E	5	G			0.9	11	GREECE. ML 2.3 (THE).
a	01	14	26	44.6	42.423	S	18.458	W	10	G	5.4	5.1	0.9	75	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.5 (HRV).
	01	14	58	18.5%	33.239	S	70.020	W	10	G			0.2	7	CHILE-ARGENTINA BORDER REGION
	01	15	55	48.6*	43.742	N	7.274	E	10	G			0.1	6	NEAR SOUTH COAST OF FRANCE. MD 1.7 (STR).
	01	16	03	13.3*	37.154	N	27.905	E	10	G			1.0	7	TURKEY. MD 3.9 (ATH), 3.3 (ISK).
	01	16	50	20.7%	39.169	N	23.186	E	10	G			0.5	8	AEGEAN SEA. ML 2.0 (THE).
	01	17	19	15.3&	38.840	N	122.837	W	0	G				7	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
	01	17	40	07.6	40.765	N	22.746	E	5	G			0.3	10	GREECE. ML 2.1 (THE).
	01	17	41	13.0&	59.924	N	140.578	W	6					16	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	01	18	24	46.6	40.578	N	23.389	E	5	G			0.7	8	GREECE. ML 2.1 (THE).
	01	19	30	14.0?	51.56	N	6.71	E	10	G			0.3	4	GERMANY. ML 3.0 (UCC), 2.3 (DBN).
	01	19	57	35.0	38.405	N	27.361	E	5	G			0.8	37	TURKEY. ML 3.7 (THE). MD 4.0 (ATH), 3.7 (ISK). Felt in the Izmir area.
	01	19	59	30.5?	14.77	N	93.76	W	33	N	4.4		1.3	14	NEAR COAST OF CHIAPAS, MEXICO
	01	19	59	49.9	51.634	N	16.204	E	15				0.9	25	POLAND. ML 3.6 (VIE), 3.6 (MOX).
	01	20	01	05.8%	33.147	S	70.307	W	5	G			0.5	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	01	20	06	15.9	33.151	S	71.345	W	60	G			0.6	15	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	01	20	15	11.1?	31.85	S	67.97	W	100	G			0.5	5	SAN JUAN PROVINCE, ARGENTINA
	01	20	17	51.4?	13.37	S	167.15	E	200	G	3.9		0.9	16	VANUATU ISLANDS
	01	21	33	02.1*	58.624	N	14.020	E	10	G			1.4	6	SWEDEN. MG 3.4 (UPP). Felt.
	01	22	04	09.3&	40.870	N	121.161	W	17					42	NORTHERN CALIFORNIA. <GM-P>. MD 3.7 (GM). ML 3.9 (BRK), 3.6 (GS). Felt (III) at McArthur.
	01	22	08	22.9	47.755	N	147.662	E	382		4.3		0.8	68	NORTHWEST OF KURIL ISLANDS
	01	22	10	16.0?	31.77	S	69.18	W	100	G			0.8	6	SAN JUAN PROVINCE, ARGENTINA
	01	22	30	27.6	43.755	N	15.845	E	10	G			0.8	22	ADRIATIC SEA. ML 3.5 (ZAG), 3.3 (TTG). MD 3.4 (TRI). Felt at Sibenik, Croatia.
	01	23	01	15.0	30.723	S	71.437	W	70	*	4.5		1.0	35	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
	01	23	13	08.2*	10.362	N	103.485	W	33	N	4.2		1.1	18	OFF COAST OF MEXICO
	02	00	01	54.4	53.011	N	172.315	E	33	N	4.3	4.0	0.8	43	NEAR ISLANDS, ALEUTIAN ISLANDS
	02	00	38	54.4?	8.16	S	148.24	E	67	?	4.1		1.3	7	EASTERN NEW GUINEA REG., P.N.G.
	02	01	37	48.3	38.348	N	22.085	E	5	G			0.8	15	GREECE. ML 2.8 (THE). MD 3.0 (ATH).
	02	02	00	24.9*	28.838	S	69.072	W	33	N			0.8	6	CHILE-ARGENTINA BORDER REGION
	02	02	06	52.6?	39.28	N	30.73	E	10	G			1.2	7	TURKEY. MD 3.0 (ISK).
	02	02	07	11.3?	15.19	S	175.04	W	250	G	4.0		0.8	7	TONGA ISLANDS
	02	02	20	10.8?	34.84	N	26.38	E	10	G			0.7	5	CRETE. MD 3.7 (ATH).
	02	02	52	26.1	26.994	S	26.709	E	5	G			1.4	10	REPUBLIC OF SOUTH AFRICA. ML 3.8 (PRE).
	02	03	29	49.7	43.864	N	144.926	E	124		4.4		0.7	41	HOKKAIDO, JAPAN REGION
	02	04	51	29.2	36.983	N	28.898	E	10	G			1.1	7	DODECANESE ISLANDS. MD 3.8 (ATH), 3.3 (ISK).
	02	05	04	16.6&	34.791	N	116.293	W	4					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	02	06	58	28.7	48.454	N	154.388	E	66	D	5.3		0.8	251	KURIL ISLANDS
	02	07	04	21.6?	34.58	N	135.07	E	33	N	4.2		1.0	6	NEAR S. COAST OF WESTERN HONSHU
	02	07	51	16.7&	33.472	N	116.457	W	10					4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS).

Subscriptions: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. (202) 512-1800.
Back issues: Books and Open-File Reports Section, U.S. Geological Survey, Box 25425, Denver, CO 80225.

	02	08	25	40.1*	46.079	N	12.204	E	10	G		0.6	7	NORTHERN ITALY. ML 2.2 (VIE). MD 2.2 (TRI).
	02	09	13	52.0&	49.080	N	122.710	W	3				3	BRITISH COLUMBIA, CANADA. <PGC-P>. ML 1.8 (PGC). Felt at Delta, Langely and South Surrey.
	02	09	39	55.5*	1.354	N	99.151	E	123	?	4.4	0.4	14	NORTHERN SUMATERA, INDONESIA
	02	09	56	52.4%	40.651	N	22.999	E	10	G		0.5	5	GREECE. ML 1.6 (THE).
	02	09	58	41.7?	32.72	S	71.69	W	10	G		0.9	9	NEAR COAST OF CENTRAL CHILE
	02	10	06	24.5	40.862	N	19.774	E	10	G		0.8	23	ALBANIA. ML 3.0 (THE), 2.8 (TTG).
	02	10	32	31.5?	18.29	S	177.70	W	686	*	5.0	0.7	20	FIJI ISLANDS REGION
	02	10	40	31.2*	30.045	N	87.841	E	10	G	4.4	1.3	16	XIZANG
	02	11	06	52.8*	16.384	N	61.701	W	110	G		0.2	7	LEEWARD ISLANDS
	02	11	56	43.4*	21.850	S	68.263	W	134	D	4.2	1.3	22	CHILE-BOLIVIA BORDER REGION
	02	11	57	38.6%	40.520	N	23.038	E	5	G		0.7	8	GREECE. ML 1.8 (THE).
a	02	12	33	54.1	1.269	S	127.530	E	7		5.6	1.1	112	HALMAHERA, INDONESIA. Mw 5.4 (HRV).
a	02	12	53	53.1	10.739	N	42.559	W	10	G	5.6 5.4	1.2	353	NORTHERN MID-ATLANTIC RIDGE. Mw 5.8 (HRV). Ms 5.4 (BRK).
	02	13	38	39.6*	5.706	N	32.705	W	10	G	4.4	0.9	19	CENTRAL MID-ATLANTIC RIDGE
	02	14	07	14.1?	35.32	N	29.02	E	50	G		1.5	9	EASTERN MEDITERRANEAN SEA. MD 4.0 (ATH).
	02	14	39	23.0	2.506	N	126.910	E	60		5.3	1.2	94	NORTHERN MOLUCCA SEA
	02	14	40	18.9	45.941	N	7.443	E	10	G		0.7	20	NORTHERN ITALY. ML 2.5 (LDG).
	02	14	43	11.1	43.145	N	0.738	W	10	G		0.3	9	PYRENEES. MD 2.3 (BTH).
	02	14	54	50.4%	44.266	N	7.481	E	10	G		0.4	7	NORTHERN ITALY. ML 2.2 (GEN).
	02	15	04	51.9*	32.954	S	68.063	W	33	N		0.9	7	MENDOZA PROVINCE, ARGENTINA
	02	15	22	25.0*	26.678	N	141.492	E	100	G	4.2	0.9	17	BONIN ISLANDS REGION
	02	15	38	19.0	40.773	N	20.852	E	5	G		1.2	18	GREECE-ALBANIA BORDER REGION. ML 2.9 (TTG), 2.9 (THE), 2.5 (TIR), 2.3 (SKO).
	02	15	39	24.8*	40.864	N	20.790	E	10	G		0.9	6	GREECE-ALBANIA BORDER REGION. ML 1.8 (SKO).
	02	15	40	26.8*	40.907	N	20.882	E	10	G		0.8	6	GREECE-ALBANIA BORDER REGION. ML 1.9 (SKO).
	02	15	47	18.5	62.415	N	25.581	W	10	G	4.6 4.1	1.0	75	ICELAND REGION
	02	16	03	45.5*	40.954	N	20.941	E	10	G		1.0	5	GREECE-ALBANIA BORDER REGION. ML 1.6 (SKO).
	02	19	03	53.2?	34.63	S	70.92	W	100	G		0.2	7	CHILE-ARGENTINA BORDER REGION
	02	19	06	13.6	7.298	S	147.197	E	51		4.6	0.8	23	EASTERN NEW GUINEA REG., P.N.G.
	02	19	34	49.4	39.322	N	67.493	E	33	N	4.6	0.8	41	SOUTHEASTERN UZBEKISTAN
	02	19	39	58.8	21.624	N	143.031	E	320		4.4	1.0	51	MARIANA ISLANDS REGION
	02	19	45	43.1%	41.442	N	23.907	E	5	G		0.7	8	GREECE-BULGARIA BORDER REGION. ML 2.6 (THE).
	02	19	47	22.3%	39.455	N	27.918	E	10	G		0.8	7	TURKEY. MD 2.8 (ISK).
a	02	19	50	47.9	6.234	S	148.795	E	58		5.3 5.9	1.0	183	NEW BRITAIN REGION, P.N.G. Mw 6.0 (HRV). Ms 5.9 (BRK).
	02	20	28	17.3	37.999	N	30.875	W	10	G	4.7 5.2	1.1	93	AZORES ISLANDS
	02	20	30	19.9?	6.49	S	148.99	E	80	*	3.9	1.0	8	NEW BRITAIN REGION, P.N.G.
	02	20	40	55.7*	34.372	S	71.548	W	59	*		0.8	17	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
	02	20	46	04.2*	15.840	S	173.496	W	5	G	4.9	1.1	73	TONGA ISLANDS
	02	21	04	17.7	36.968	N	28.874	E	10	G		0.2	6	DODECANESE ISLANDS. MD 4.0 (ATH).
	02	21	24	07.5*	6.396	S	148.874	E	69	*	4.4	0.7	11	NEW BRITAIN REGION, P.N.G.
	02	21	26	05.9	57.919	N	0.651	E	10	G		0.6	21	NORTH SEA. ML 3.3 (BGS).
a	02	21	30	50.8*	11.925	S	165.974	E	33	N	4.7	0.9	20	SANTA CRUZ ISLANDS. Mw 5.3 (HRV).
	02	21	59	25.9	16.664	N	122.267	E	18		4.8	0.4	17	LUZON, PHILIPPINE ISLANDS
	02	22	10	07.2?	2.72	S	77.82	W	100	G	4.4	1.1	8	PERU-ECUADOR BORDER REGION
	02	22	33	55.5%	39.725	N	29.027	E	10	G		0.7	10	TURKEY. MD 3.0 (ISK).
	02	23	21	15.5	6.409	S	148.829	E	65		4.6	0.8	37	NEW BRITAIN REGION, P.N.G.
	02	23	34	45.2	6.404	S	148.840	E	66		4.3	0.8	16	NEW BRITAIN REGION, P.N.G.
	02	23	51	31.9?	6.37	S	148.84	E	76	*	4.5	1.0	10	NEW BRITAIN REGION, P.N.G.
	03	00	33	23.9*	40.968	N	30.592	E	10	G		0.6	10	TURKEY. MD 3.3 (ISK).
	03	00	55	57.9	45.486	N	21.090	E	33	N		0.9	15	ROMANIA
	03	01	23	20.6	13.550	N	90.664	W	48	*	4.3 4.0	1.1	60	NEAR COAST OF GUATEMALA
	03	02	09	32.2?	6.16	S	130.48	E	91	?	4.2	1.4	14	BANDA SEA
	03	02	14	30.3	30.139	S	71.324	W	70	D	4.5	0.9	31	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
a	03	02	31	35.2	62.711	S	155.666	E	10	G	5.6 6.3	1.1	127	BALLENY ISLANDS REGION. Mw 6.4 (GS), 6.4 (HRV). Ms 6.3 (BRK). Mo=4.1*10**18 Nm (PPT).
	03	03	09	49.3	44.664	N	8.385	E	10	G		0.7	27	NORTHERN ITALY. ML 3.0 (LDG), 2.9 (GEN).
	03	03	17	44.4	27.255	S	175.415	W	35	D	5.3	1.0	99	KERMADEC ISLANDS REGION
	03	03	45	01.4?	34.63	S	71.13	W	70	G		0.2	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	03	04	01	04.8%	40.470	N	23.606	E	10	G		0.4	8	GREECE. ML 2.2 (THE).
	03	04	54	39.2	32.749	S	67.993	W	5	G		0.6	13	MENDOZA PROVINCE, ARGENTINA. MD 4.2 (SAN).
	03	04	58	55.0*	15.135	S	173.607	W	10	G	4.6	0.8	43	TONGA ISLANDS
	03	05	27	54.5	43.697	N	147.250	E	49	D	4.5	1.1	50	KURIL ISLANDS
	03	05	56	51.4*	11.221	S	166.380	E	100	?	4.7	1.1	23	SANTA CRUZ ISLANDS
	03	06	17	26.3%	43.059	N	0.722	W	5	G		0.3	9	PYRENEES. ML 1.0 (STR).
	03	06	38	13.7*	6.384	S	148.782	E	79	*	4.7	1.1	34	NEW BRITAIN REGION, P.N.G.
	03	07	59	01.9?	32.71	S	71.83	W	10	G		0.5	10	NEAR COAST OF CENTRAL CHILE
	03	07	59	49.5?	32.70	S	71.70	W	10	G		0.6	10	NEAR COAST OF CENTRAL CHILE
	03	08	24	33.6*	5.600	S	150.183	E	106	?	4.3	0.7	13	NEW BRITAIN REGION, P.N.G.
	03	08	39	24.8?	6.74	S	148.11	E	74	*	3.9	1.3	9	NEW BRITAIN REGION, P.N.G.
	03	08	45	50.8*	6.631	S	148.693	E	74	*	4.7	1.4	15	NEW BRITAIN REGION, P.N.G.
	03	09	03	53.9	39.219	N	27.834	E	10	G		0.2	6	TURKEY. MD 2.8 (ISK).
	03	09	33	13.8?	34.92	S	71.11	W	90	G		0.2	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	03	09	43	26.7	33.270	S	70.634	W	80	G		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
	03	09	54	22.1%	39.129	N	27.628	E	10	G		0.6	5	TURKEY. MD 2.7 (ISK).
	03	10	33	15.8&	63.324	N	151.386	W	4				45	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	03	11	06	50.5&	59.952	N	152.482	W	74				47	SOUTHERN ALASKA. <AEIC>.
	03	11	10	39.8&	61.241	N	146.855	W	15				51	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	03	11	28	03.6*	6.955	S	148.797	E	33	N	4.4	0.9	9	NEW BRITAIN REGION, P.N.G.
	03	11	33	17.6&	36.598	N	121.048	W	10				54	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.9 (GS).
	03	11	51	01.1?	39.61	N	29.57	E	10	G		0.3	4	TURKEY. MD 2.6 (ISK).
	03	12	31	52.3?	15.23	N	97.88	W	10	G		0.9	6	NEAR COAST OF OAXACA, MEXICO
	03	14	25	48.0&	63.063	N	150.464	W	106				53	CENTRAL ALASKA. <AEIC>.
	03	14	54	18.2&	40.397	N	125.235	W	8				21	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
	03	15	20	19.1?	1.45	N	127.15	E	110	?	4.9	0.4	16	HALMAHERA, INDONESIA
	03	15	26	10.6	41.529	N	109.640	W	1	G	5.3 4.6	1.0	322	WYOMING. Probable implosion in a trona mine west of Green River. One miner killed and ten injured. Slight damage at Green River and Little America. Felt (V) at Rock Springs; (III) at Eden and Reliance. Also felt at Ogden and Salt Lake City, Utah. Up to one meter of surface subsidence occurred in about a 1 by 2 km area above the mine.

	03	15 32 36.2&	60.272	N	152.658	W	99					53	SOUTHERN ALASKA. <AEIC>.
a	03	15 40 53.9	3.405	S	135.607	E	33	D	5.6	4.9	0.9	147	IRIAN JAYA REGION, INDONESIA. Mw 5.2 (HRV).
	03	16 11 24.4?	37.46	N	20.73	E	5	G			1.5	4	IONIAN SEA. MD 3.1 (ATH).
	03	16 40 34.8*	32.021	S	71.109	W	80	G			1.0	14	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	03	16 54 53.3*	48.855	N	10.564	E	10	G			0.8	6	GERMANY. ML 2.4 (VIE), 2.2 (MOX).
	03	17 27 24.0?	33.84	N	46.93	E	33	N			1.4	5	IRAN-IRAQ BORDER REGION
	03	18 08 05.2	36.257	N	27.452	E	10	G			0.9	8	DODECANESE ISLANDS. MD 3.9 (ATH).
	03	18 15 29.1*	32.353	S	70.502	W	90	G			0.9	15	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	03	18 52 24.9	39.480	N	27.594	E	10	G			0.9	5	TURKEY. MD 2.9 (ISK).
	03	19 02 49.5?	35.01	S	71.27	W	100	G			0.3	10	CENTRAL CHILE. MD 3.8 (SAN).
	03	19 30 14.1*	41.859	N	126.087	W	10	G			0.4	20	OFF COAST OF NORTHERN CALIFORNIA
	03	19 36 06.7%	39.424	N	27.708	E	10	G			0.5	5	TURKEY. MD 2.7 (ISK).
	03	20 09 13.8?	10.19	N	62.62	W	10	G			1.3	5	NEAR COAST OF VENEZUELA. MD 3.4 (TRN).
	03	20 18 45.0*	50.614	N	170.890	W	33	N	4.3		0.8	26	SOUTH OF ALEUTIAN ISLANDS
	03	20 39 12.9	31.954	S	57.307	E	10	G	4.7		0.9	33	SOUTHWEST INDIAN RIDGE
	03	20 55 30.7	38.747	N	26.423	E	10	G			0.7	35	AEGEAN SEA. ML 3.7 (THE). MD 3.6 (ATH), 3.5 (ISK).
	03	21 02 06.3*	7.373	S	127.819	E	33	N	4.6		1.5	25	BANDA SEA
	03	22 29 13.3	34.417	N	25.027	E	49		4.8	3.9	1.0	251	CRETE. MD 4.6 (HLW), 4.5 (ATH).
	03	22 34 51.5*	27.509	N	141.599	E	33	N	4.2		1.2	18	BONIN ISLANDS REGION
	03	23 13 41.3	51.562	N	6.330	E	10	G			1.3	19	GERMANY. ML 3.1 (DBN), 2.9 (LDG).
	04	00 03 26.4	57.454	N	149.585	W	10	G	3.2		0.9	37	GULF OF ALASKA. ML 2.8 (AEIC).
	04	01 42 47.0?	5.50	S	133.87	E	33	N	3.3		0.6	6	ARU ISLANDS REGION, INDONESIA
	04	01 49 16.8	42.155	N	19.003	E	10	G			0.4	10	NORTHWESTERN BALKAN REGION. ML 2.7 (TIR), 2.1 (TTG).
	04	02 24 29.6%	56.128	N	3.706	W	5	G			0.2	8	UNITED KINGDOM. ML 2.2 (BGS).
	04	02 37 32.4&	40.312	N	124.570	W	20					24	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM).
	04	03 10 28.1?	37.46	N	20.77	E	10	G			1.5	7	IONIAN SEA. MD 3.2 (ATH).
	04	04 48 48.6%	44.310	N	7.755	E	10	G			0.3	6	NORTHERN ITALY. ML 1.9 (GEN).
	04	06 11 50.6?	37.48	N	26.89	E	10	G			1.1	5	DODECANESE ISLANDS. MD 3.3 (ISK).
	04	06 18 01.2?	17.13	S	179.57	W	600	G	3.9		0.9	9	FIJI ISLANDS REGION
	04	06 32 43.7%	43.234	N	18.760	E	10	G			0.4	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	04	07 10 44.4	31.105	N	81.714	E	33	N	4.2		0.9	18	XIZANG. ML 4.3 (DMN).
	04	07 26 59.6%	42.052	N	19.001	E	10	G			0.3	9	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	04	08 10 39.9&	62.286	N	151.328	W	84					47	CENTRAL ALASKA. <AEIC>.
	04	09 41 06.5?	37.63	N	72.35	E	200	G	4.1		0.8	10	TAJIKISTAN
	04	11 35 37.5?	31.54	S	68.53	W	100	G			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	04	11 57 41.4*	30.758	N	36.090	E	10	G			0.7	10	DEAD SEA REGION. MD 2.7 (RYD).
	04	12 11 17.7%	39.040	N	29.107	E	10	G			0.4	5	TURKEY. MD 2.8 (ISK).
	04	13 07 31.2?	44.38	N	7.26	E	10	G			0.0	4	NORTHERN ITALY. ML 1.6 (GEN).
	04	14 30 59.3	30.533	N	50.076	E	33	N	4.3		1.0	17	NORTHERN IRAN
	04	14 32 40.7	1.310	N	123.286	E	46	*	5.0		1.0	49	MINAHASSA PENINSULA, SULAWESI
	04	14 42 36.3%	44.473	N	7.072	E	5	G			0.4	6	NORTHERN ITALY. ML 1.8 (GEN).
	04	14 46 16.7	18.049	S	178.491	W	600	G	4.3		0.9	44	FIJI ISLANDS REGION
	04	15 09 24.8*	65.837	N	154.307	W	10	G			0.4	5	NORTHERN ALASKA. ML 3.1 (PMR).
	04	15 19 22.6	38.410	N	27.345	E	10	G			1.2	15	TURKEY. MD 3.5 (ISK).
	04	15 41 13.7&	59.399	N	153.643	W	111					35	SOUTHERN ALASKA. <AEIC>.
	04	16 39 23.0*	10.803	S	41.260	E	10	G	4.6		1.3	28	NORTHWEST OF MADAGASCAR. mbLg 4.3 (BUL).
	04	17 06 01.7*	38.265	N	27.180	E	10	G			0.6	8	TURKEY. MD 3.2 (ISK).
	04	17 10 57.2	37.291	N	22.294	E	10	G			1.5	8	SOUTHERN GREECE. MD 3.0 (ATH).
	04	17 13 02.3*	31.380	S	67.841	W	113	?			1.2	18	SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN).
	04	17 13 19.6&	35.555	N	120.990	W	1					14	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 3.0 (GS), 2.5 (PAS).
	04	17 16 58.4?	19.67	S	173.64	W	33	N	4.4		1.0	12	TONGA ISLANDS
	04	17 18 46.2	37.319	N	22.296	E	5	G			1.3	16	SOUTHERN GREECE. ML 3.1 (THE), 3.0 (ATH).
a	04	17 25 01.6	13.908	S	66.082	E	10	G	5.0	4.8	1.4	83	MID-INDIAN RIDGE. Mw 5.5 (HRV).
	04	18 04 12.3?	18.00	S	174.07	W	33	N	5.3		0.9	10	TONGA ISLANDS
	04	18 42 58.4*	37.365	N	22.183	E	10	G			1.5	6	SOUTHERN GREECE. ML 3.0 (ATH).
	04	18 57 13.0%	33.103	S	70.164	W	110	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	04	19 03 45.0	35.818	N	29.502	E	43		4.1		1.1	52	EASTERN MEDITERRANEAN SEA. MD 4.2 (ATH), 4.1 (HLW), 3.8 (ISK), 3.5 (RYD).
	04	19 06 57.7	20.657	S	68.797	W	135		5.0		0.9	107	CHILE-BOLIVIA BORDER REGION
	04	19 07 42.1*	36.104	N	29.317	E	10	G			0.4	6	TURKEY. MD 3.9 (ATH), 3.5 (ISK).
	04	19 23 20.4*	38.676	N	27.177	E	10	G			0.5	5	TURKEY. MD 3.0 (ISK).
	04	20 20 33.2?	8.90	N	125.75	E	33	N	4.5		1.3	9	MINDANAO, PHILIPPINE ISLANDS
	04	20 24 52.5?	8.54	S	123.09	E	240	?	4.5		0.7	10	FLORES REGION, INDONESIA
	04	20 40 11.8?	4.67	S	144.74	E	111	?	3.9		1.1	5	NEAR N COAST OF NEW GUINEA, PNG.
	04	20 51 20.2	38.293	N	27.358	E	10	G			0.6	10	TURKEY. MD 3.4 (ISK).
	04	21 50 30.6&	63.513	N	150.718	W	5					17	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	04	21 50 56.0&	63.544	N	150.700	W	7					20	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).
	04	21 52 37.2	38.241	N	70.651	E	33	N	4.4		0.9	31	AFGHANISTAN-TAJIKISTAN BORD REG.
	04	21 55 31.4%	40.563	N	23.339	E	5	G			0.4	7	GREECE. ML 1.8 (THE).
	04	22 01 01.4	40.815	N	27.997	E	10	G			0.5	9	TURKEY. MD 2.8 (ISK).
	04	22 07 15.8%	40.799	N	28.016	E	10	G			0.5	7	TURKEY. MD 2.8 (ISK).
	04	22 13 51.4	5.523	S	147.323	E	205		4.6		0.8	19	EASTERN NEW GUINEA REG., P.N.G.
	04	22 42 45.8%	40.184	N	23.950	E	5	G			0.5	10	GREECE. ML 2.2 (THE).
	04	22 54 47.2*	45.362	N	13.905	E	10	G			0.4	6	NORTHERN ITALY. MD 2.5 (LJU), 2.3 (TRI).
	04	22 59 07.0?	37.34	N	69.84	E	33	N	4.1		0.7	10	AFGHANISTAN-TAJIKISTAN BORD REG.
	04	23 34 57.8&	59.063	N	148.676	W	25		3.2			60	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC), 3.5 (PMR).
	04	23 49 36.0&	50.470	N	130.260	W	10	G	4.1			21	VANCOUVER ISLAND REGION. <PGC-P>.
	05	01 15 47.0*	7.299	S	122.363	E	495	?	4.6		0.4	11	FLORES SEA
	05	02 21 38.5	62.768	N	151.546	W	33	N			1.0	9	CENTRAL ALASKA. ML 2.9 (PMR).
	05	02 53 08.6?	16.56	N	100.53	W	33	N	3.6		0.8	5	NEAR COAST OF GUERRERO, MEXICO
	05	03 29 18.6	38.756	N	26.479	E	10	G			1.0	16	AEGEAN SEA. MD 3.5 (ISK).
	05	03 47 05.4	43.062	N	0.487	W	5	G			0.4	8	PYRENEES. MD 2.3 (BTH). ML 2.2 (LDG).
	05	03 53 44.1*	36.478	N	70.462	E	208	*	4.3		1.2	12	HINDU KUSH REGION, AFGHANISTAN
	05	04 04 38.5*	45.254	N	6.896	E	10	G			1.4	6	FRANCE. ML 2.1 (LDG).
	05	04 26 26.9	48.149	N	8.683	E	10	G			0.6	15	GERMANY. ML 2.5 (LDG), 2.2 (FUR), 2.0 (STR).
	05	04 38 44.5	32.889	S	68.822	W	20				0.8	19	MENDOZA PROVINCE, ARGENTINA. MD 3.9 (SAN).
	05	05 04 55.9*	45.423	N	150.963	E	33	N	4.8		0.4	12	KURIL ISLANDS
	05	05 08 29.7?	45.45	N	150.89	E	33	N	5.0		0.6	12	KURIL ISLANDS
	05	05 22 32.3?	27.12	N	34.58	E	10	G			0.2	5	RED SEA. MD 3.2 (RYD).
	05	05 52 33.2	41.054	N	20.190	E	5	G			1.1	25	ALBANIA. ML 2.8 (TTG), 2.5 (TIR), 2.2 (SKO).
	05	06 45 18.2%	40.560	N	29.496	E	10	G			0.6	8	TURKEY. MD 2.9 (ISK).

	05	07	48	17.5?	31.44	S	68.62	W	100	G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
	05	08	05	43.3	37.347	N	71.807	E	33	N	4.8	0.3	11	AFGHANISTAN-TAJIKISTAN BORD REG.
	05	08	21	07.2*	44.101	N	6.769	E	10	G		0.3	9	FRANCE. ML 2.0 (LDG).
	05	10	03	15.9	53.370	N	167.272	W	33	N	4.5	1.1	36	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
	05	10	07	24.8%	39.451	N	26.314	E	10	G		0.6	6	TURKEY. MD 3.1 (ISK).
	05	10	09	31.8*	20.904	S	68.912	W	125	*	4.5	1.2	11	CHILE-BOLIVIA BORDER REGION
	05	10	49	43.6?	6.38	S	155.16	E	33	N		0.5	10	SOLOMON ISLANDS
	05	11	12	09.2&	66.108	N	149.552	W	31				12	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	05	11	34	11.9*	0.051	S	99.529	E	110	?	4.9	0.8	34	SOUTHERN SUMATERA, INDONESIA
	05	11	56	09.5%	40.223	N	29.489	E	10	G		0.5	9	TURKEY. MD 2.9 (ISK).
	05	13	07	56.9%	39.376	N	23.987	E	10	G		0.5	11	AEGEAN SEA
	05	13	13	40.8%	40.333	N	21.088	E	5	G		0.3	8	GREECE. ML 2.0 (THE).
	05	13	45	33.4	46.923	N	19.266	E	10	G		1.0	23	HUNGARY. MD 3.8 (TRI). ML 3.7 (VIE). Felt in the Kecskemet-Szabadszallas area.
	05	13	46	13.2	40.373	N	21.171	E	10	G		0.6	21	GREECE. MD 3.2 (ATH). ML 2.7 (THE), 2.6 (TIR).
	05	14	12	40.9	40.383	N	21.064	E	10	G		0.6	6	GREECE. ML 2.1 (THE).
	05	14	29	49.0%	33.199	S	70.351	W	100	G		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	05	14	58	37.1&	34.151	N	116.425	W	5				22	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.9 (GS).
	05	15	13	51.1	31.488	S	68.662	W	10	G		0.7	7	SAN JUAN PROVINCE, ARGENTINA
	05	16	14	48.5*	30.880	S	117.063	E	10	G		0.3	5	WESTERN AUSTRALIA
	05	16	46	52.4?	16.61	N	100.42	W	33	N	3.6	0.5	5	NEAR COAST OF GUERRERO, MEXICO
	05	16	50	10.9	41.207	N	20.228	E	5	G		0.9	26	ALBANIA. ML 3.0 (TTG), 2.6 (THE), 2.5 (SKO), 2.5 (TIR).
	05	17	14	41.8?	31.25	S	68.29	W	100	G		1.3	5	SAN JUAN PROVINCE, ARGENTINA
	05	17	18	31.4	43.705	N	147.519	E	43	D	4.8	0.8	79	KURIL ISLANDS
	05	17	24	17.4?	45.51	N	26.51	E	130	G		0.7	6	ROMANIA
	05	19	28	50.9	43.854	N	147.415	E	33	N	4.9	0.9	82	KURIL ISLANDS
	05	20	28	45.7?	24.58	S	179.01	E	582	?	4.8	1.1	15	SOUTH OF FIJI ISLANDS
a	05	20	37	10.9	6.809	N	82.666	W	12	G	5.8 5.4	1.1	313	SOUTH OF PANAMA. Mw 6.0 (GS), 6.0 (HRV). MD 5.3 (UPA). Ms 5.3 (BRK). Depth from broadband displacement seismograms.
	05	21	17	57.4?	40.24	N	26.01	E	10	G		0.6	7	TURKEY. ML 3.0 (THE). MD 3.2 (ISK).
	05	21	40	36.2*	7.210	S	67.469	E	10	G	4.7	1.0	38	MID-INDIAN RIDGE
	05	22	12	21.7	40.356	N	25.867	E	10	G		0.7	27	AEGEAN SEA. ML 3.5 (THE). MD 3.6 (ISK).
	05	22	32	05.4?	35.67	S	70.32	W	150	G		0.5	11	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
a	05	22	51	05.1	37.759	S	178.752	E	21	G	6.5 7.5	1.0	566	OFF E. COAST OF N. ISLAND, N.Z. Mw 7.0 (GS), 7.1 (HRV). Ms 7.5 (BRK). Mo=4.0*10**19 Nm (PPT). Felt over much of the North Island and as far south as Christchurch on the South Island. Also felt on the Chatham Islands. Depth from broadband displacement seismograms.
	05	22	59	16.7*	2.388	N	126.815	E	72	?		0.9	6	NORTHERN MOLUCCA SEA
	05	23	37	20.1*	2.395	N	126.783	E	78	*		0.8	16	NORTHERN MOLUCCA SEA
	05	23	53	32.1*	2.381	N	126.741	E	83	?	5.2	1.0	19	NORTHERN MOLUCCA SEA
	06	00	07	20.4?	43.76	N	8.14	E	10	G		0.4	8	CORSICA. ML 2.1 (GEN).
	06	00	07	32.5?	39.55	N	19.95	E	5	G		1.5	10	GREECE-ALBANIA BORDER REGION. ML 2.7 (THE).
	06	00	43	53.6&	62.747	N	150.818	W	101				40	CENTRAL ALASKA. <AEIC>.
	06	00	47	45.6?	38.99	S	179.10	E	33	N	4.5	1.0	7	OFF E. COAST OF N. ISLAND, N.Z.
	06	00	52	17.7	37.745	S	178.801	E	33	N	5.2	1.1	75	OFF E. COAST OF N. ISLAND, N.Z.
	06	01	10	27.6?	31.41	S	68.72	W	100	G		0.7	6	SAN JUAN PROVINCE, ARGENTINA
	06	01	28	36.9?	37.46	S	178.92	E	33	N	4.3	0.8	9	OFF E. COAST OF N. ISLAND, N.Z.
	06	01	41	31.4	40.123	N	20.444	E	10	G		0.5	9	GREECE-ALBANIA BORDER REGION. ML 2.5 (THE).
	06	01	57	05.1	39.338	N	28.235	E	10	G		0.3	9	TURKEY. MD 3.0 (ISK).
	06	02	19	15.5	5.485	S	151.657	E	85	*	4.7	0.6	25	NEW BRITAIN REGION, P.N.G.
	06	02	27	03.4?	31.93	S	71.96	W	33	N		1.0	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	06	02	35	41.0?	38.23	S	179.14	E	33	N	4.2	1.0	8	OFF E. COAST OF N. ISLAND, N.Z.
	06	02	43	51.9%	34.039	S	70.015	W	5	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	06	02	49	06.3*	45.900	N	15.250	E	10	G		0.3	5	NORTHWESTERN BALKAN REGION. MD 2.5 (LJU).
	06	02	57	12.3?	37.73	S	178.79	E	33	N	4.4	1.0	11	OFF E. COAST OF N. ISLAND, N.Z.
	06	03	18	35.4	34.029	S	70.082	W	5	G		0.9	14	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
	06	03	18	39.2*	37.574	S	178.985	E	33	N	4.6	0.8	15	OFF E. COAST OF N. ISLAND, N.Z.
	06	03	20	56.9%	34.018	S	70.070	W	5	G		0.3	8	CHILE-ARGENTINA BORDER REGION
	06	03	25	37.8*	37.614	S	178.763	E	33	N	4.7	1.1	17	OFF E. COAST OF N. ISLAND, N.Z.
	06	03	31	49.9?	15.21	N	61.19	W	161	?		0.4	11	LEEWARD ISLANDS
	06	03	57	14.5?	37.89	S	179.15	E	33	N	4.3	1.1	7	OFF E. COAST OF N. ISLAND, N.Z.
	06	04	08	07.6?	35.81	N	7.66	W	33	N		1.2	6	STRAIT OF GIBRALTAR. MD 3.5 (SFS).
	06	05	07	11.3?	37.53	S	179.16	E	33	N	4.2	0.5	8	OFF E. COAST OF N. ISLAND, N.Z.
	06	05	19	28.5*	37.574	S	178.829	E	33	N	5.0 5.0	1.2	31	OFF E. COAST OF N. ISLAND, N.Z.
	06	06	00	28.4*	37.913	S	178.727	E	33	N	4.6	1.0	17	OFF E. COAST OF N. ISLAND, N.Z.
	06	06	39	26.2?	39.21	S	177.61	W	33	N	4.5	0.4	8	EAST OF NORTH ISLAND, N.Z.
	06	06	56	03.2	3.465	S	145.656	E	29	*	5.1	1.0	23	NEAR N COAST OF NEW GUINEA, PNG.
	06	07	07	56.1?	38.48	S	179.11	E	33	N	3.9	1.1	8	OFF E. COAST OF N. ISLAND, N.Z.
	06	07	18	16.5?	18.77	N	67.31	W	33	N		0.4	7	MONA PASSAGE
	06	07	21	37.1*	37.814	S	178.185	E	33	N	4.6	1.3	15	OFF E. COAST OF N. ISLAND, N.Z.
	06	07	46	07.0?	34.06	S	69.94	W	5	G		0.3	6	CHILE-ARGENTINA BORDER REGION
	06	08	03	51.3*	31.346	S	69.490	W	160	G		0.7	15	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
	06	09	00	12.6*	31.332	S	68.527	W	100	G		1.1	9	SAN JUAN PROVINCE, ARGENTINA
	06	09	00	55.8	40.349	N	143.240	E	33	N	4.7	0.9	40	OFF EAST COAST OF HONSHU, JAPAN
	06	09	01	51.6	39.210	N	20.558	E	10	G		0.9	18	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH). ML 3.0 (THE).
	06	09	07	33.6	39.352	N	20.331	E	5	G		0.8	13	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH). ML 2.8 (THE).
	06	10	17	07.8*	37.876	S	178.867	E	33	N	4.5	0.7	12	OFF E. COAST OF N. ISLAND, N.Z.
a	06	10	19	52.6	37.852	S	178.814	E	33	N	5.6 5.5	1.1	71	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.6 (HRV). Ms 5.8 (BRK).
	06	10	31	13.9*	33.774	N	136.335	E	390		4.1	1.0	31	NEAR S. COAST OF WESTERN HONSHU
a	06	10	43	57.1	37.825	S	178.844	E	33	N	5.7 5.8	1.0	98	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.9 (HRV).
a	06	11	23	03.7	37.952	S	178.733	E	33		5.3 5.0	1.1	63	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.9 (HRV).
	06	11	24	54.8?	37.95	S	178.88	E	33	N	4.9	0.8	9	OFF E. COAST OF N. ISLAND, N.Z.
	06	12	07	52.4?	37.88	S	178.78	E	33	N	4.7	1.4	15	OFF E. COAST OF N. ISLAND, N.Z.
	06	12	09	28.4?	37.92	S	178.97	E	33	N	4.5	0.9	8	OFF E. COAST OF N. ISLAND, N.Z.
	06	12	10	30.4?	34.03	S	70.00	W	5	G		0.4	7	CHILE-ARGENTINA BORDER REGION
	06	13	02	19.8?	36.81	S	178.53	E	33	N	4.1	1.0	12	OFF E. COAST OF N. ISLAND, N.Z.
	06	13	35	02.8?	37.90	S	178.99	E	33	N	4.4	0.6	9	OFF E. COAST OF N. ISLAND, N.Z.
a	06	13	51	34.7	41.182	N	142.167	E	61		5.6	0.9	361	HOKKAIDO, JAPAN REGION. Mw 5.7 (HRV). mb 5.8 (BRK).

													Felt (IV) at Misawa, Honshu.
	06	14	52	00.1	36.906	N	5.803	W	10	G		0.5	7 STRAIT OF GIBRALTAR. MD 3.1 (SFS).
	06	14	53	52.5	41.171	N	142.198	E	63	D	4.5	1.0	46 HOKKAIDO, JAPAN REGION
	06	15	10	56.0?	37.96	S	178.85	E	33	N	4.2	0.8	9 OFF E. COAST OF N. ISLAND, N.Z.
a	06	15	19	28.4	37.811	S	178.816	E	33	N	5.5 5.3	1.0	89 OFF E. COAST OF N. ISLAND, N.Z. Mw 5.6 (HRV).
	06	15	51	18.2&	33.346	S	70.894	W	80	G		0.6	9 CHILE-ARGENTINA BORDER REGION
	06	16	28	03.5*	6.569	S	105.376	E	119	?	4.4	0.9	28 SUNDA STRAIT
	06	17	20	17.1*	10.344	S	124.656	E	33	N	3.2	0.9	5 TIMOR REGION, INDONESIA
	06	17	25	06.7*	28.448	N	57.119	E	31	D	4.3	1.3	19 SOUTHERN IRAN
	06	17	28	33.1	43.765	N	7.420	E	10	G		0.6	19 NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG), 2.6 (GEN).
	06	17	39	36.2*	2.794	S	129.282	E	33	N	4.1	0.7	8 SERAM, INDONESIA
	06	17	40	05.5?	31.48	S	68.61	W	100	G		0.5	6 SAN JUAN PROVINCE, ARGENTINA
	06	18	03	38.3*	37.786	S	178.890	E	33	N	4.7	1.0	15 OFF E. COAST OF N. ISLAND, N.Z.
	06	18	18	29.9	8.017	N	126.092	E	57	*	4.6	0.7	24 MINDANAO, PHILIPPINE ISLANDS
	06	19	06	23.3&	31.858	S	68.755	W	100	G		0.9	7 SAN JUAN PROVINCE, ARGENTINA
	06	19	19	12.0*	37.842	S	178.247	E	33	N	4.4 4.8	1.0	11 OFF E. COAST OF N. ISLAND, N.Z.
	06	19	23	33.3	35.941	N	139.959	E	70		4.3	0.8	18 NEAR S. COAST OF HONSHU, JAPAN
	06	19	55	07.2&	43.096	N	0.404	W	10	G		0.4	7 PYRENEES. ML 1.0 (STR).
	06	20	02	24.5	41.175	N	19.946	E	5	G		0.8	21 ALBANIA. ML 2.8 (THE), 2.8 (TTG).
	06	20	39	36.5&	33.984	S	71.055	W	70	G		0.3	9 NEAR COAST OF CENTRAL CHILE
	06	21	15	48.8	28.969	N	34.964	E	5	G		1.1	15 EGYPT. ML 3.6 (JER).
	06	22	41	47.4*	5.614	S	154.189	E	214	?	4.2	0.9	13 SOLOMON ISLANDS
	06	22	57	41.8*	41.089	N	19.887	E	10	G		0.8	14 ALBANIA. ML 2.6 (TIR), 2.3 (TTG).
	06	23	45	28.6&	44.524	N	6.829	E	10	G		0.6	7 FRANCE. ML 1.9 (GEN).
	07	00	14	43.3	41.047	N	19.848	E	13			0.9	39 ALBANIA. ML 3.5 (ROM), 3.3 (THE), 3.1 (TTG), 3.1 (TIR). MD 3.4 (ATH).
	07	00	19	22.6	3.568	S	144.930	E	10	G	4.7 4.6	1.0	17 NEAR N COAST OF NEW GUINEA, PNG.
	07	01	09	05.9?	15.05	N	60.55	W	33	N		0.3	8 LEEWARD ISLANDS
	07	01	21	29.8	5.168	S	133.830	E	107	*	5.1	1.1	37 ARU ISLANDS REGION, INDONESIA
	07	01	58	02.0&	37.002	N	5.796	W	10	G		1.3	7 SPAIN. MD 2.7 (SFS).
	07	02	54	50.1*	31.508	S	68.629	W	33	N		0.8	5 SAN JUAN PROVINCE, ARGENTINA
a	07	02	56	18.0*	37.956	S	178.736	E	33	N	4.7 4.8	1.0	22 OFF E. COAST OF N. ISLAND, N.Z. Mw 5.2 (HRV).
	07	03	07	44.3?	37.42	S	179.80	E	33	N	4.6	0.3	10 OFF E. COAST OF N. ISLAND, N.Z.
	07	03	34	50.4*	37.841	S	178.775	E	33	N	4.5	0.8	11 OFF E. COAST OF N. ISLAND, N.Z.
	07	04	04	13.9*	55.411	N	155.708	W	33	N	4.4	1.3	22 SOUTH OF ALASKA. ML 3.9 (PMR).
	07	04	06	52.1*	55.309	N	155.942	W	33	N	4.2	1.2	21 SOUTH OF ALASKA
	07	04	08	26.4&	38.470	N	118.341	W	0				14 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
	07	05	21	12.8	47.997	S	75.533	W	33	N	5.3	0.8	41 SOUTHERN CHILE
	07	05	38	20.8*	55.626	N	155.807	W	33	N	4.4	1.4	21 SOUTH OF ALASKA
	07	05	50	07.7&	34.039	S	70.020	W	5	G		0.3	8 CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	07	06	38	09.6&	60.173	N	153.774	W	190		3.7		83 SOUTHERN ALASKA. <AEIC>.
	07	06	43	00.3*	55.276	N	155.787	W	33	N	4.0	1.3	9 SOUTH OF ALASKA
	07	06	47	09.9&	31.370	S	68.565	W	100	G		0.7	7 SAN JUAN PROVINCE, ARGENTINA
	07	08	18	08.3*	44.701	N	6.774	E	10	G		0.4	7 FRANCE. ML 2.0 (GEN).
	07	08	18	38.5?	35.09	S	71.33	W	80	G		0.9	14 CENTRAL CHILE. MD 3.9 (SAN).
	07	09	25	49.0*	46.407	N	15.071	E	10	G		1.5	7 NORTHWESTERN BALKAN REGION
	07	10	30	36.3*	35.957	S	101.228	W	10	G	4.6	1.1	21 SOUTHERN PACIFIC OCEAN
	07	10	56	42.1&	33.148	S	71.316	W	50	G		0.4	9 NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	07	11	15	14.6&	35.780	N	120.331	W	9				35 CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (GS), 2.8 (PAS).
	07	12	58	12.0	39.701	N	20.569	E	10	G		1.3	12 GREECE-ALBANIA BORDER REGION. ML 2.7 (THE). MD 3.1 (ATH).
	07	13	00	46.7?	39.84	N	30.07	E	10	G		0.3	5 TURKEY. MD 2.5 (ISK).
	07	13	41	04.2&	60.179	N	141.015	W	8				13 SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.7 (PGC).
	07	13	46	46.3	39.876	N	21.757	E	10	G		0.2	6 GREECE. ML 2.5 (THE).
	07	13	48	01.3*	42.002	N	23.791	E	5	G		0.8	8 BULGARIA. ML 2.8 (THE).
	07	14	31	53.4&	61.462	N	150.713	W	63				55 SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
	07	14	49	37.9&	37.244	N	122.013	W	6				6 CENTRAL CALIFORNIA. <GM-P>. MD 2.5 (GM). ML 2.4 (GS). Felt at Los Gatos.
	07	15	07	04.0*	37.751	S	178.871	E	33	N	4.3	0.5	12 OFF E. COAST OF N. ISLAND, N.Z.
	07	15	13	30.4	44.084	N	7.798	E	10	G		0.2	7 NORTHERN ITALY. ML 2.0 (GEN).
	07	15	55	27.0*	4.463	S	143.958	E	89	*	3.7	1.4	11 NEW GUINEA, PAPUA NEW GUINEA
	07	17	10	47.7	31.784	S	67.899	W	10	G		0.6	7 SAN JUAN PROVINCE, ARGENTINA
	07	17	13	59.3&	36.400	N	29.002	E	31	?		0.5	5 TURKEY. MD 3.2 (ISK).
	07	18	24	08.2&	44.427	N	7.301	E	10	G		0.1	6 NORTHERN ITALY. ML 1.8 (GEN).
	07	20	36	00.9*	37.139	N	72.049	E	176	?	4.1	0.9	14 TAJIKISTAN
	07	20	42	36.7	38.781	N	20.956	E	5	G		1.4	13 GREECE. ML 2.7 (THE). MD 2.9 (ATH).
	07	21	18	48.0&	59.352	N	146.262	W	10	G	3.0		44 GULF OF ALASKA. <AEIC>. ML 2.9 (AEIC).
	07	22	18	26.9*	32.672	S	71.718	W	33	N		0.9	18 NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	07	22	38	45.2	63.184	N	151.073	W	33	N		0.8	7 CENTRAL ALASKA. ML 2.7 (PMR).
	07	22	51	08.6&	60.067	N	152.590	W	96				41 SOUTHERN ALASKA. <AEIC>.
	07	23	14	52.4*	32.448	S	72.129	W	33	N	4.4	1.3	19 OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	07	23	25	22.5?	32.40	S	71.88	W	10	G		0.5	10 NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	08	00	21	14.2*	37.768	S	179.012	E	33	N	4.3	1.1	16 OFF E. COAST OF N. ISLAND, N.Z.
	08	00	26	54.8?	32.44	S	71.84	W	10	G		0.7	10 NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	08	00	34	29.8	6.983	S	146.340	E	76		5.1	0.6	21 EASTERN NEW GUINEA REG., P.N.G.
	08	01	30	25.4?	32.02	S	69.25	W	100	G		0.5	7 MENDOZA PROVINCE, ARGENTINA
	08	02	13	39.9&	40.773	N	123.321	W	28		3.2		41 NORTHERN CALIFORNIA. <GM-P>. MD 3.9 (GM). ML 4.2 (BRK). Mo=6.5*10**15 Nm (BRK). Felt (IV) at Big Bar; (III) at Burnt Ranch, Junction City, Salyer, Weaverville and Willow Creek; (II) at Samoa. Felt from Redding to Eureka and Trinidad.
	08	02	19	13.2?	33.81	N	38.92	W	10	G	4.5 4.0	0.8	13 NORTHERN MID-ATLANTIC RIDGE
	08	02	54	56.6&	40.779	N	123.322	W	29				26 NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).
	08	03	21	12.2	43.047	N	0.338	W	10	G		0.6	8 PYRENEES. MD 2.6 (BTH). ML 2.5 (LDG). Felt at Arbeost, Castet and in the Ossau Valley, France.
	08	03	36	02.3	13.077	N	88.622	W	66	D	4.3	1.2	29 EL SALVADOR
	08	04	19	05.9&	62.381	N	149.556	W	59				81 CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC), 3.5 (PMR).
	08	04	22	17.0	43.141	N	0.228	W	10	G		1.0	17 PYRENEES. ML 3.3 (LDG). Felt in the Bearn and Bigorre regions, France.
	08	04	56	06.7*	16.120	S	173.494	W	33	N	4.4 4.3	1.1	32 TONGA ISLANDS
	08	05	18	28.8?	31.22	S	68.30	W	109	?		0.4	6 SAN JUAN PROVINCE, ARGENTINA
	08	06	02	01.9&	34.311	N	118.436	W	8				17 SOUTHERN CALIFORNIA. <PAS-P>. ML 2.2 (PAS). Felt in the

														northern part of the San Fernando Valley.
	08	07	55	11.7	30.232	S	71.536	W	68	*	4.1		1.1	33	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN).
	08	08	01	32.1%	15.644	N	60.958	W	33	N			0.7	8	LEEWARD ISLANDS. MG 2.6 (FDF).
	08	08	19	52.8*	37.639	S	178.747	E	33	N	4.3		1.0	12	OFF E. COAST OF N. ISLAND, N.Z.
	08	08	32	28.4*	20.297	S	177.595	W	480	G	4.4		1.0	43	FIJI ISLANDS REGION
	08	08	38	26.9?	28.42	S	176.16	W	155	*	4.4		1.2	11	KERMADEC ISLANDS REGION
	08	08	46	14.6&	34.277	N	118.381	W	6					67	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.3 (GS). Felt in the northern part of the San Fernando Valley.
	08	09	10	27.8&	45.128	N	122.705	W	32					64	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 3.6 (SEA). ML 3.7 (GS). Felt (V) at Molalla, Wilsonville and Woodburn; (III) at Clackamas, Colton, Hubbard, Mt. Angel and Salem; (II) at Beaverton, Canby and Sandy, Oregon. Also felt (III) at Vancouver, Washington.
	08	09	36	51.0&	40.742	N	124.296	W	22		4.1			115	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.9 (GM). ML 4.3 (BRK). Mo=2.6*10**15 Nm (BRK). Felt (V) at Eureka; (IV) at Blue Lake, Fortuna, Korbel, Loleta, McKinleyville and Samoa; (III) at Redway and (II) at Rio Dell. Felt throughout the Humboldt Bay area.
	08	09	41	59.9?	36.55	N	13.62	W	10	G			1.1	35	NORTH ATLANTIC OCEAN. MD 3.8 (MDD), 3.7 (RBA).
	08	10	11	06.6?	40.65	N	29.86	E	5	G			0.3	4	TURKEY. MD 2.6 (ISK).
	08	10	32	46.6	40.785	N	27.788	E	10	G			0.6	10	TURKEY. MD 2.8 (ISK).
	08	10	47	10.7%	39.133	N	27.524	E	10	G			0.4	5	TURKEY. MD 2.7 (ISK).
	08	11	00	59.8?	39.26	N	27.57	E	10	G			0.2	4	TURKEY. MD 2.8 (ISK).
	08	11	17	49.8?	40.78	N	22.96	E	5	G			0.8	4	GREECE. ML 1.5 (THE).
	08	11	46	36.4?	38.15	S	178.21	E	33	N	4.2		0.6	8	OFF E. COAST OF N. ISLAND, N.Z.
	08	11	52	12.1?	28.77	N	34.62	E	10	G			0.3	5	EGYPT. MD 2.7 (RYD).
	08	12	15	49.2	0.060	N	16.672	W	10	G	4.8	3.8	0.8	55	NORTH OF ASCENSION ISLAND
	08	12	58	56.8*	37.580	S	179.008	E	33	N	4.5	4.7	1.4	15	OFF E. COAST OF N. ISLAND, N.Z.
a	08	13	37	12.0	2.006	S	125.747	E	38		5.1	4.3	1.2	58	CERAM SEA. Mw 5.0 (HRV).
	08	14	09	28.0*	33.068	S	69.517	W	130	G			0.7	13	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	08	15	29	26.4*	43.270	N	128.088	W	10	G			0.4	37	OFF COAST OF OREGON
	08	16	31	08.4	25.065	N	95.109	E	70	*	4.4		0.9	30	MYANMAR-INDIA BORDER REGION
	08	16	33	24.4?	36.97	N	28.95	E	10	G			1.3	4	DODECANESE ISLANDS. MD 3.1 (ISK).
	08	16	48	08.7*	7.149	S	130.132	E	33	N	3.3		0.6	9	TANIMBAR ISLANDS REG., INDONESIA
	08	17	02	32.5*	0.783	S	122.686	E	113	?	4.0		1.2	15	MINAHASSA PENINSULA, SULAWESI
	08	17	08	06.6%	36.937	N	28.963	E	10	G			0.4	5	DODECANESE ISLANDS. MD 3.4 (ISK).
a	08	17	20	24.8*	37.702	S	178.407	E	33	N	4.6	5.0	1.4	22	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.2 (HRV).
	08	18	13	59.0*	39.544	N	20.153	E	33	N			1.4	9	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH). ML 2.8 (THE).
a	08	18	40	25.3	4.104	N	76.622	W	74	G	6.3		0.9	568	COLOMBIA. Mw 6.4 (GS), 6.4 (HRV). MD 6.0 (UPA). Mo=3.5*10**18 Nm (PPT). Forty-two people killed, nearly 400 injured and over 2,000 buildings damaged or destroyed in the Cali-Pereira area. Landslides blocked two roads in the epicentral area. Damage occurred at Armenia, Calarca, Cali, La Union, Manizales, Pereira, Trujillo and in many other areas of western Colombia. Felt throughout Colombia. Depth from broadband displacement seismograms.
	08	19	51	46.8%	36.983	N	28.962	E	33	N			1.2	5	DODECANESE ISLANDS. MD 3.2 (ISK).
	08	20	14	58.5?	44.13	N	10.61	E	10	G			0.4	7	NORTHERN ITALY. ML 2.8 (LDG).
	08	20	21	45.7%	38.305	N	27.844	E	10	G			0.4	6	TURKEY. MD 3.1 (ISK).
	08	20	43	42.0	31.535	S	68.125	W	98	*			1.3	20	SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN).
	08	21	04	02.7?	37.89	N	29.24	E	10	G			1.0	4	TURKEY. MD 3.1 (ISK).
	08	21	10	26.6	36.920	N	28.986	E	10	G			0.8	8	DODECANESE ISLANDS. MD 3.8 (ATH), 3.5 (ISK).
	08	21	18	49.9*	12.544	N	142.215	E	150	G	4.8		0.3	17	SOUTH OF MARIANA ISLANDS
	08	21	22	39.0?	34.11	S	70.21	W	120	G			0.0	7	CHILE-ARGENTINA BORDER REGION
	08	21	24	41.2&	58.856	N	154.447	W	115					50	ALASKA PENINSULA. <AEIC>.
	08	21	24	53.5	40.822	N	27.774	E	23		4.5		0.9	84	TURKEY. MD 4.5 (ATH), 4.2 (ISK). ML 4.3 (THE).
	08	21	27	07.7	44.768	N	10.664	E	10	G			1.0	45	NORTHERN ITALY. ML 3.5 (LDG), 3.3 (VIE), 2.9 (STR). MD 3.4 (FIR).
	08	21	29	40.1%	40.745	N	27.947	E	10	G			0.4	9	TURKEY. MD 3.3 (ISK).
	08	21	33	49.8%	40.805	N	27.853	E	5	G			0.7	9	TURKEY. MD 2.9 (ISK).
	08	21	38	47.6?	40.81	N	27.81	E	5	G			0.8	4	TURKEY. MD 2.6 (ISK).
	08	21	40	31.3?	37.22	N	29.02	E	5	G			0.7	4	TURKEY. MD 3.1 (ISK).
	08	21	48	33.2?	40.82	N	27.85	E	5	G			0.4	4	TURKEY. MD 2.6 (ISK).
	08	22	22	52.1	40.804	N	27.772	E	10	G			0.5	8	TURKEY. MD 2.8 (ISK).
	08	22	34	51.2	40.798	N	27.802	E	5	G			0.6	11	TURKEY. MD 2.8 (ISK).
	08	22	49	44.1*	33.069	S	69.968	W	110	G			0.5	12	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	08	22	53	56.5%	40.813	N	27.885	E	10	G			0.6	6	TURKEY. MD 2.6 (ISK).
	08	23	03	49.9%	40.801	N	27.824	E	10	G			0.9	7	TURKEY. MD 2.7 (ISK).
	08	23	09	17.3	40.817	N	27.796	E	10	G			0.4	10	TURKEY. MD 2.8 (ISK).
	08	23	26	16.1?	29.96	S	27.77	E	5	G			1.3	6	LESOTHO. ML 3.7 (PRE).
	08	23	29	18.8	39.173	N	29.477	E	10	G			0.5	12	TURKEY. MD 3.2 (ISK).
	09	00	02	12.7	48.552	N	153.372	E	162	D	4.5		0.9	104	KURIL ISLANDS
	09	00	13	15.4%	40.793	N	27.856	E	10	G			0.4	8	TURKEY. MD 2.8 (ISK).
	09	00	16	46.2	40.804	N	27.801	E	10	G			0.6	12	TURKEY. MD 3.2 (ATH), 3.1 (ISK).
	09	01	07	42.1%	40.775	N	27.784	E	10	G			0.6	5	TURKEY. MD 2.7 (ISK).
	09	01	08	52.1%	40.790	N	27.832	E	10	G			0.6	5	TURKEY. MD 2.7 (ISK).
	09	01	16	50.5&	31.282	N	115.457	W	13					3	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.0 (ECX).
	09	01	25	14.0	43.232	N	146.507	E	64	*	4.5		0.8	47	KURIL ISLANDS
	09	01	35	03.2	37.736	S	179.074	E	33	N	4.8	3.8	0.9	32	OFF E. COAST OF N. ISLAND, N.Z.
	09	02	21	37.1*	37.547	S	179.073	E	33	N	5.1	4.6	1.2	35	OFF E. COAST OF N. ISLAND, N.Z.
	09	02	46	45.2	14.799	S	176.283	W	323	D	4.7		0.9	84	FIJI ISLANDS REGION
	09	03	00	30.0	36.905	N	29.020	E	10	G			0.9	8	TURKEY. MD 3.9 (ATH), 3.5 (ISK).
	09	03	28	48.9	36.912	N	31.505	E	125	*	3.8		1.1	16	TURKEY. MD 3.7 (ISK).
	09	03	45	55.4*	37.686	S	178.620	E	33	N	4.6		0.8	13	OFF E. COAST OF N. ISLAND, N.Z.
	09	04	15	02.3	40.806	N	27.794	E	10	G			0.7	11	TURKEY. MD 2.9 (ISK).
	09	04	58	18.8*	15.431	S	167.520	E	163	*	3.9		1.2	27	VANUATU ISLANDS
	09	05	03	08.4	31.610	S	69.691	W	140	G			0.5	18	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
	09	05	03	53.9	40.794	N	27.811	E	5	G			0.2	4	TURKEY. MD 2.7 (ISK).
	09	05	42	03.9	38.889	N	21.205	E	10	G			1.2	15	GREECE. ML 3.2 (THE). MD 3.2 (ATH).
	09	05	47	33.7*	10.830	S	161.149	E	33	N	4.0	4.3	1.3	8	SOLOMON ISLANDS
	09	06	26	05.7?	19.19	N	67.33	W	33	N			0.2	10	MONA PASSAGE. MD 3.4 (MPR).

	09	08	25	42.3?	37.70	S	178.78	E	33	N	4.3		1.5	9	OFF E. COAST OF N. ISLAND, N.Z.
	09	08	26	24.6*	38.009	S	178.826	E	33	N	4.8		0.5	11	OFF E. COAST OF N. ISLAND, N.Z.
	09	08	40	30.6?	6.05	S	130.61	E	115	?	4.6		1.4	16	BANDA SEA
	09	09	10	01.0?	40.81	N	27.85	E	5	G			0.5	4	TURKEY. MD 2.8 (ISK).
	09	09	18	06.5	40.798	N	27.811	E	10	G			0.6	7	TURKEY. MD 3.0 (ISK).
a	09	09	43	50.3*	25.574	S	177.198	W	112	D	5.0		1.3	46	SOUTH OF FIJI ISLANDS. Mw 5.2 (HRV).
	09	09	48	25.2%	33.674	S	70.534	W	10	G			0.6	7	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	09	09	52	03.7%	44.559	N	6.952	E	14				0.3	7	FRANCE. ML 2.0 (GEN).
	09	10	30	48.8&	36.486	N	120.540	W	17					63	CENTRAL CALIFORNIA. <PAS-P>. MD 3.3 (GM). ML 3.1 (GS), 3.1 (BRK), 3.0 (PAS).
	09	10	34	56.1?	38.49	S	179.45	W	33	N	5.0	4.6	1.4	24	EAST OF NORTH ISLAND, N.Z. ML 5.3 (WEL).
	09	10	42	29.0?	40.40	N	23.41	E	10	G			0.2	4	GREECE
	09	10	42	40.3	44.445	N	146.486	E	33	N	4.9		1.0	91	KURIL ISLANDS
	09	10	46	01.7?	38.03	S	178.78	E	33	N	4.3		0.7	7	OFF E. COAST OF N. ISLAND, N.Z.
	09	10	52	23.8	7.575	N	126.756	E	60	*	4.1		0.9	22	MINDANAO, PHILIPPINE ISLANDS
a	09	10	56	42.8	37.969	S	178.591	E	33	N	5.2	5.3	1.1	38	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.7 (HRV). ML 5.6 (WEL).
	09	10	59	22.7	45.889	N	143.269	E	346	D	4.7		1.0	118	HOKKAIDO, JAPAN REGION
	09	11	03	04.4*	31.508	S	70.029	W	130	G			0.5	14	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	09	11	26	06.4?	37.86	S	178.84	E	33	N	4.4		1.3	8	OFF E. COAST OF N. ISLAND, N.Z.
	09	11	49	24.6?	40.79	N	27.99	E	10	G			0.1	4	TURKEY. MD 2.6 (ISK).
	09	12	10	25.9%	44.564	N	6.987	E	10	G			0.4	5	FRANCE. ML 1.9 (GEN).
	09	12	10	57.6	32.850	S	70.599	W	100	G			0.4	15	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
a	09	12	53	59.2	38.039	S	178.561	E	33	N	4.8	4.4	1.0	21	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.3 (HRV). ML 5.3 (WEL).
	09	12	58	25.8&	62.033	N	151.461	W	80					64	CENTRAL ALASKA. <AEIC>.
	09	12	58	44.8?	37.98	S	179.18	E	33	N	4.2		0.9	8	OFF E. COAST OF N. ISLAND, N.Z.
	09	12	59	25.2*	15.927	S	74.970	W	33	N	4.9		1.2	20	NEAR COAST OF PERU
	09	13	03	50.9*	20.212	S	174.410	W	33	N	4.3		1.0	17	TONGA ISLANDS
	09	13	28	56.4*	37.969	S	178.785	E	33	N	4.4		1.3	11	OFF E. COAST OF N. ISLAND, N.Z.
	09	13	32	09.6*	44.337	N	10.224	E	10	G			0.7	14	NORTHERN ITALY. ML 3.1 (LDG).
	09	13	48	28.4%	40.226	N	28.823	E	10	G			1.1	8	TURKEY. MD 2.7 (ISK).
	09	13	59	38.4%	34.362	S	70.419	W	120	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	09	14	15	38.5?	41.18	N	28.43	E	10	G			0.6	5	TURKEY. MD 2.8 (ISK).
	09	14	26	11.3?	37.86	S	178.78	E	33	N	4.3		1.1	12	OFF E. COAST OF N. ISLAND, N.Z.
	09	14	59	44.5?	39.04	N	23.27	E	33	N			0.5	5	AEGEAN SEA. ML 2.1 (THE).
	09	15	22	34.9?	2.14	S	77.45	W	33	N	4.3		0.6	7	PERU-ECUADOR BORDER REGION
	09	15	43	26.3?	7.02	N	82.60	W	10	G	4.2		1.2	23	SOUTH OF PANAMA. MD 4.5 (UPA).
	09	16	38	31.1*	37.913	S	178.799	E	33	N	4.4		0.9	15	OFF E. COAST OF N. ISLAND, N.Z.
	09	16	53	17.3	63.880	N	133.689	E	10	G	4.6		1.0	26	EASTERN SIBERIA, RUSSIA
	09	17	59	50.9	40.779	N	27.837	E	10	G			0.9	7	TURKEY. MD 2.9 (ISK).
	09	18	24	47.8	32.420	N	137.871	E	349		4.5		0.7	64	SOUTH OF HONSHU, JAPAN
	09	19	13	18.6?	4.96	S	144.85	E	33	N	3.9		0.2	5	NEAR N COAST OF NEW GUINEA, PNG.
	09	19	18	32.8?	38.08	S	178.77	E	33	N	4.5		0.3	9	OFF E. COAST OF N. ISLAND, N.Z.
	09	19	23	42.7	36.956	N	28.973	E	10	G			1.0	8	DODECANESE ISLANDS. MD 3.9 (ATH), 3.5 (ISK).
	09	19	28	26.5?	34.68	S	70.67	W	120	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	09	20	05	57.2%	44.556	N	6.961	E	10	G			0.2	8	FRANCE. ML 2.3 (GEN).
	09	20	07	31.9?	5.65	S	130.44	E	118	?	3.6		0.4	5	BANDA SEA
	09	20	31	27.0%	44.556	N	6.956	E	10	G			0.3	6	FRANCE. ML 2.0 (GEN).
	09	20	51	17.9?	37.88	S	178.59	E	33	N	4.4		1.0	10	OFF E. COAST OF N. ISLAND, N.Z.
	09	21	24	33.6*	4.943	S	133.947	E	33	N	4.4		1.3	11	IRIAN JAYA REGION, INDONESIA
	09	22	04	58.5*	8.640	S	123.486	E	33	N	4.7		1.1	11	FLORES REGION, INDONESIA
	09	22	15	40.1?	35.08	S	70.97	W	100	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	09	22	40	03.9	44.549	N	6.949	E	5	G			0.5	8	FRANCE. ML 2.1 (GEN).
	09	22	58	52.5*	3.492	S	146.657	E	33	N	4.1		0.8	10	BISMARCK SEA
	10	00	14	59.1	42.832	N	111.295	W	5	G			0.5	13	EASTERN IDAHO. ML 3.4 (GS), 3.5 (BUT).
a	10	00	31	33.4	29.639	S	112.002	W	10	G	5.0	5.4	0.9	77	EASTER ISLAND REGION. Mw 5.6 (HRV). Mo=7.7*10**17 Nm (PPT).
	10	01	06	49.4*	38.077	S	178.513	E	33	N	4.6		1.2	22	OFF E. COAST OF N. ISLAND, N.Z.
a	10	01	45	03.9	37.855	S	178.602	E	28	G	5.8	6.4	1.2	223	OFF E. COAST OF N. ISLAND, N.Z. Mw 6.3 (GS), 6.5 (HRV). ML 6.3 (WEL). Mo=1.1*10**19 Nm (PPT). Felt on much of the North Island including Auckland, Bay of Plenty, East Cape and Wellington. Depth from broadband displacement seismograms.
	10	01	56	23.4	26.844	S	26.668	E	5	G			1.1	18	REPUBLIC OF SOUTH AFRICA. ML 4.3 (PRE).
	10	02	20	18.5	38.978	N	31.353	E	10	G			0.6	11	TURKEY. MD 3.4 (ISK).
	10	03	21	51.6%	11.341	N	60.482	W	33	N			0.6	8	WINDWARD ISLANDS. MD 3.3 (TRN).
	10	03	31	07.2	40.815	N	27.766	E	10	G			0.7	16	TURKEY. MD 3.4 (ISK).
	10	03	47	32.0*	40.372	N	142.201	E	72	*	4.6		0.5	20	NEAR EAST COAST OF HONSHU, JAPAN
	10	05	43	45.8*	26.103	N	96.193	E	93	*	4.0		1.2	16	MYANMAR
	10	06	19	07.1*	44.553	N	6.970	E	10	G			0.3	5	FRANCE. ML 1.8 (GEN).
	10	06	30	14.0%	16.721	N	61.420	W	33	N			1.0	6	LEEWARD ISLANDS. ML 2.5 (FDF).
	10	07	46	31.2&	59.741	N	152.621	W	85					83	SOUTHERN ALASKA. <AEIC>.
	10	07	49	19.4	36.186	N	69.111	E	44	*	4.6		0.9	44	HINDU KUSH REGION, AFGHANISTAN
	10	08	10	11.1%	37.670	N	15.031	E	10	G			1.0	9	SICILY. ML 3.2 (ROM).
	10	08	15	48.3	37.671	N	15.074	E	31		4.2		1.5	58	SICILY. ML 4.5 (TTG), 3.8 (ROM).
	10	08	16	35.7?	4.09	N	125.99	E	140	?	4.1		1.4	8	TALAUD ISLANDS, INDONESIA
	10	08	17	48.5	36.082	N	69.122	E	33	N	4.6		0.8	26	HINDU KUSH REGION, AFGHANISTAN
	10	09	17	50.6%	39.632	N	29.443	E	10	G			0.8	7	TURKEY. MD 2.7 (ISK).
	10	11	17	36.9&	47.731	N	122.299	W	24					59	WASHINGTON. <SEA-P>. MD 2.9 (SEA).
	10	12	44	27.3&	61.997	N	149.517	W	42					47	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	10	12	58	02.7?	40.63	N	29.94	E	5	G			0.0	4	TURKEY. MD 2.5 (ISK).
	10	13	00	39.9?	31.45	S	68.52	W	99	?			0.3	5	SAN JUAN PROVINCE, ARGENTINA
	10	13	48	14.9	14.912	N	60.413	W	33	N			0.3	13	WINDWARD ISLANDS. MD 3.5 (TRN). ML 3.2 (FDF). Felt (II) on Martinique.
	10	13	54	07.9	28.602	N	139.501	E	441	*	4.4		0.6	21	BONIN ISLANDS REGION
	10	14	25	00.8&	61.691	N	146.697	W	27					73	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.5 (PMR).
	10	14	27	07.6?	30.76	S	68.50	W	33	N			1.4	6	SAN JUAN PROVINCE, ARGENTINA
	10	14	53	40.1	41.087	N	19.808	E	33	N	3.8		1.0	49	ALBANIA. ML 3.9 (SKO), 3.8 (TTG), 3.6 (TIR), 3.6 (THE). MD 3.6 (ATH).
	10	15	01	38.8?	34.72	S	70.82	W	110	G			0.1	9	CHILE-ARGENTINA BORDER REGION
	10	15	12	12.1%	28.970	N	34.871	E	10	G			0.5	9	EGYPT. MD 3.6 (RYD).
	10	15	18	38.0	38.340	N	22.118	E	10	G			1.5	15	GREECE. ML 3.0 (THE).

	10	15 40 04.6?	39.54	N	29.43	E	10	G			0.7	4	TURKEY. MD 2.6 (ISK).
	10	16 13 45.4?	5.29	S	152.60	E	33	N	3.7		1.0	5	NEW BRITAIN REGION, P.N.G.
	10	16 50 34.8	34.179	N	25.034	E	32	*	4.3		1.2	93	CRETE. MD 4.4 (HLW), 4.2 (ATH).
	10	17 19 39.6?	10.94	S	76.70	W	62	D	4.6		1.2	9	CENTRAL PERU. Felt (IV) at Lima and (II) at Canta and Chilca.
a	10	18 03 24.9	11.872	S	166.508	E	137	D	5.1		0.8	77	SANTA CRUZ ISLANDS. Mw 5.2 (HRV).
	10	19 03 49.6*	4.289	N	76.819	W	61	?	3.8		0.8	10	COLOMBIA. Felt very lightly at Cali.
	10	19 33 27.9?	46.99	N	149.08	E	200	G	4.2		1.0	27	KURIL ISLANDS
	10	19 44 40.5%	44.566	N	6.978	E	10	G			0.3	6	FRANCE. ML 1.9 (GEN).
	10	20 18 53.0?	4.77	S	130.65	E	33	N	5.4		0.8	14	BANDA SEA
a	10	20 26 58.1	19.942	S	68.761	W	118	D	5.5		1.1	223	CHILE-BOLIVIA BORDER REGION. Mw 5.6 (HRV). Minor damage (IV) in the Iquique area, Chile.
	10	21 08 28.8*	5.540	S	128.950	E	293	?	4.6		0.7	17	BANDA SEA
	10	21 13 17.1	38.428	N	21.905	E	10	G			1.2	7	GREECE. MD 3.0 (ATH).
	10	21 18 26.6&	62.085	N	151.177	W	73		3.8			104	CENTRAL ALASKA. <AEIC>.
	10	22 09 52.1*	37.490	S	178.981	E	33	N	4.6	4.1	1.1	32	OFF E. COAST OF N. ISLAND, N.Z.
	10	22 27 16.5*	36.279	N	141.858	E	45	*	4.1		0.9	28	NEAR EAST COAST OF HONSHU, JAPAN
a	10	22 34 32.0	15.658	N	119.624	E	54		5.1	5.2	1.0	101	LUZON, PHILIPPINE ISLANDS. Mw 5.2 (HRV).
a	10	22 35 33.9	10.662	S	165.153	E	36	D	5.5	5.5	0.9	139	SANTA CRUZ ISLANDS. Mw 5.6 (HRV).
	11	00 01 21.4?	40.76	N	27.98	E	10	G			0.4	4	TURKEY. MD 2.6 (ISK).
	11	00 21 18.2	44.307	N	11.436	E	10	G			1.2	50	NORTHERN ITALY. MD 3.5 (FIR), 3.4 (TRI). ML 3.4 (VIE), 3.2 (LDG), 2.9 (STR).
	11	00 36 31.8?	41.95	N	23.03	E	10	G			0.3	8	GREECE-BULGARIA BORDER REGION. ML 2.7 (THE).
	11	01 25 09.0&	61.772	N	151.236	W	71					32	SOUTHERN ALASKA. <AEIC>.
	11	02 01 55.0*	37.889	S	178.855	E	33	D	4.7		0.8	20	OFF E. COAST OF N. ISLAND, N.Z.
	11	02 58 23.3?	37.33	S	179.25	E	33	N	4.3		1.3	13	OFF E. COAST OF N. ISLAND, N.Z.
	11	03 02 54.3?	31.77	S	69.13	W	120	G			0.3	4	SAN JUAN PROVINCE, ARGENTINA
	11	03 43 33.7?	37.70	S	178.35	E	33	N	4.1		1.0	12	OFF E. COAST OF N. ISLAND, N.Z.
	11	03 55 49.8?	38.13	S	178.47	E	33	N	4.4		1.4	10	OFF E. COAST OF N. ISLAND, N.Z.
	11	04 22 25.8	44.993	N	9.977	E	10	G			1.2	57	NORTHERN ITALY. MD 3.4 (TRI), 3.1 (STR). ML 3.1 (LDG).
	11	04 32 32.1%	40.621	N	29.175	E	10	G			0.4	9	TURKEY. MD 2.8 (ISK).
	11	05 04 00.8%	32.625	S	71.311	W	50	G			0.4	11	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	11	05 13 48.8*	32.802	S	176.549	W	33	N	4.8	4.3	1.4	37	SOUTH OF KERMADEC ISLANDS
	11	05 54 10.1	40.505	N	94.952	W	5	G			0.9	7	IOWA-MISSOURI BORDER REGION. mbLg 3.1 (GS). Felt (V) at Burlington Junction, Clearmont and Elmo; (IV) at Hopkins and Pickering; (III) at Maryville, Missouri. Felt (V) at Clarinda and College Springs; (IV) at Blanchard; (III) at Braddyville and Shambaugh, Iowa. Also felt at Arkoe, Maitland, Skidmore and Wilcox, Missouri.
	11	06 01 11.1*	36.165	N	69.070	E	33	N	4.1		1.4	21	HINDU KUSH REGION, AFGHANISTAN
	11	06 03 21.9*	32.702	N	131.164	E	33	N	4.2		0.6	8	KYUSHU, JAPAN
	11	06 21 32.7?	38.21	S	178.75	E	33	N	4.0		0.9	8	OFF E. COAST OF N. ISLAND, N.Z.
	11	08 48 12.6*	21.075	S	67.412	W	205		4.3		0.8	15	CHILE-BOLIVIA BORDER REGION
	11	08 58 20.9*	53.583	N	163.711	W	33	N	3.8		0.8	12	UNIMAK ISLAND REGION
	11	09 12 43.5*	31.774	S	68.044	W	33	N			1.4	7	SAN JUAN PROVINCE, ARGENTINA
	11	09 22 18.3?	39.88	N	28.30	E	10	G			0.1	4	TURKEY. MD 2.7 (ISK).
	11	10 19 53.5?	4.68	S	130.82	E	33	N	4.0		0.9	13	BANDA SEA
	11	10 41 09.3?	44.57	N	10.29	E	10	G			0.8	10	NORTHERN ITALY. ML 2.7 (LDG), 2.4 (STR).
	11	11 10 53.9&	64.974	N	149.054	W	21					25	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
	11	11 56 54.7%	42.761	N	2.002	E	10	G			0.3	5	PYRENEES. ML 1.9 (STR).
	11	12 01 51.6?	39.17	N	27.55	E	10	G			0.8	4	TURKEY. MD 2.7 (ISK).
	11	12 16 29.0%	40.624	N	23.172	E	5	G			0.5	6	GREECE. ML 1.7 (THE).
	11	12 49 42.5%	33.900	S	70.748	W	78	?			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	11	12 51 44.7?	36.98	N	28.93	E	10	G			0.7	4	DODECANESE ISLANDS. MD 3.1 (ISK).
	11	13 35 25.8%	39.657	N	29.504	E	10	G			1.2	9	TURKEY. MD 2.8 (ISK).
	11	14 44 07.9*	37.823	S	178.873	E	31	D	4.9	4.4	1.2	24	OFF E. COAST OF N. ISLAND, N.Z.
	11	17 32 47.2*	21.152	S	67.656	W	175	*	4.4		1.4	9	CHILE-BOLIVIA BORDER REGION
	11	17 37 20.7?	37.88	S	178.52	E	28	D	4.4		1.6	8	OFF E. COAST OF N. ISLAND, N.Z.
	11	17 39 49.5	40.723	N	22.740	E	5	G			0.4	9	GREECE. ML 1.8 (THE).
	11	17 41 21.0?	14.82	N	61.13	W	10	G			0.4	4	WINDWARD ISLANDS. MG 1.9 (FDF).
	11	17 57 04.4?	37.99	S	178.36	E	33	N	4.3		1.4	7	OFF E. COAST OF N. ISLAND, N.Z.
	11	18 01 49.9?	14.86	N	61.12	W	10	G			0.3	4	WINDWARD ISLANDS. MG 1.9 (FDF).
	11	18 32 57.6	41.087	N	22.150	E	5	G			0.7	8	NORTHWESTERN BALKAN REGION. ML 2.2 (THE).
	11	19 11 02.9	43.821	N	7.473	E	5	G			1.2	13	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG).
	11	19 26 54.8	40.582	N	142.078	E	33	N	4.9		1.2	36	NEAR EAST COAST OF HONSHU, JAPAN
	11	19 36 04.7%	44.557	N	6.982	E	10	G			0.4	5	FRANCE. ML 1.9 (GEN).
	11	20 50 22.5*	45.405	N	13.914	E	10	G			0.4	5	NORTHERN ITALY. MD 2.5 (LJU), 2.2 (TRI).
	11	21 52 45.4*	30.969	S	67.234	W	33	N			1.3	6	SAN JUAN PROVINCE, ARGENTINA
	11	21 58 52.6?	37.03	N	29.08	E	10	G			0.8	4	TURKEY. MD 3.1 (ISK).
a	11	22 45 33.0	12.591	N	81.576	W	11	D	5.3	5.2	1.1	228	CARIBBEAN SEA. Mw 5.7 (HRV). MD 5.3 (UPA). Some damage to tall buildings and power outages on Isla de San Andres. Felt on Islas del Maiz.
	11	23 08 34.4	39.779	N	24.261	E	10	G			1.1	27	AEGEAN SEA. ML 3.3 (ATH), 3.2 (THE).
	11	23 22 34.1?	32.78	S	71.63	W	10	G			0.9	16	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	11	23 40 52.8	41.237	N	22.789	E	5	G			0.5	10	NORTHWESTERN BALKAN REGION. ML 2.2 (THE), 2.0 (SKO).
	11	23 41 26.5*	4.393	S	130.878	E	33	N	4.3		0.9	11	BANDA SEA
	11	23 53 02.4%	37.309	N	28.410	E	10	G			0.7	5	TURKEY. MD 3.1 (ISK).
	12	00 36 03.3&	58.006	N	153.714	W	55					40	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
	12	00 46 59.4*	17.750	S	178.481	W	541		4.4		1.0	50	FIJI ISLANDS REGION
	12	00 55 09.7%	40.297	N	29.207	E	10	G			0.5	9	TURKEY. MD 2.8 (ISK).
a	12	01 02 07.2	5.762	S	76.109	W	22	D	5.7	5.1	0.9	340	NORTHERN PERU. Mw 5.6 (HRV). Felt lightly by people in tall buildings in Colombia.
	12	01 03 31.5*	51.616	N	16.349	E	10	G			1.1	8	POLAND
	12	01 24 04.6?	37.93	S	178.72	E	33	N	4.2		1.4	10	OFF E. COAST OF N. ISLAND, N.Z.
	12	01 39 37.3*	37.962	S	178.861	E	29	D	4.5		1.6	22	OFF E. COAST OF N. ISLAND, N.Z.
	12	02 20 22.9	36.438	N	26.815	E	143	*	4.0		0.6	15	DODECANESE ISLANDS
a	12	02 44 27.8	37.848	S	178.937	E	22	D	5.1	5.0	1.1	41	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.4 (HRV).
	12	02 51 26.1*	37.942	S	178.232	E	33	N	4.8	4.9	1.4	25	OFF E. COAST OF N. ISLAND, N.Z.
	12	03 41 24.7?	36.94	N	28.87	E	10	G			0.5	4	DODECANESE ISLANDS. MD 3.1 (ISK).
	12	03 47 19.6?	31.48	S	68.81	W	100	G			1.2	5	SAN JUAN PROVINCE, ARGENTINA
	12	04 10 14.3	3.526	N	122.393	E	616		5.1		1.1	68	CELEBES SEA
	12	04 37 33.2?	18.29	N	146.27	E	117	?	4.0		1.2	16	MARIANA ISLANDS

	12	04	40	40.9?	0.39	S	16.53	W	10	G	4.5		1.7	15	NORTH OF ASCENSION ISLAND
	12	04	57	07.4?	29.34	S	67.37	W	110	G			0.8	8	LA RIOJA PROVINCE, ARGENTINA
	12	05	11	25.8?	38.85	N	26.80	E	10	G			0.3	4	AEGEAN SEA. MD 3.1 (ISK).
	12	06	05	54.8	45.521	N	21.007	E	10	G			0.9	21	ROMANIA. ML 3.5 (TTG).
	12	06	27	06.3&	63.216	N	150.476	W	123					56	CENTRAL ALASKA. <AEIC>.
a	12	07	11	01.1*	22.149	S	170.320	E	33	N	4.9	4.6	1.3	40	LOYALTY ISLANDS REGION. Mw 5.2 (HRV).
a	12	08	37	20.2*	49.190	S	127.349	E	10	G	5.4		1.1	37	SOUTH OF AUSTRALIA. Mw 5.4 (HRV).
	12	09	14	09.0?	48.23	N	5.71	E	10	G			0.2	4	FRANCE. ML 1.8 (LDG).
	12	09	18	25.0*	41.494	N	142.064	E	88	D	4.4		0.9	35	HOKKAIDO, JAPAN REGION
	12	09	20	06.9*	18.362	N	120.224	E	33	N	4.3		1.5	11	LUZON, PHILIPPINE ISLANDS
	12	09	37	26.1%	48.203	N	5.737	E	10	G			0.5	5	FRANCE. ML 1.9 (LDG).
	12	10	36	32.5&	36.411	N	120.419	W	13					13	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM). ML 2.6 (PAS).
	12	10	44	06.2*	8.123	S	121.028	E	163	*	5.0		1.0	45	FLORES REGION, INDONESIA
	12	10	56	58.8	33.280	N	93.386	E	27	D	4.8	4.6	1.1	76	QINGHAI, CHINA
	12	11	00	54.0%	46.909	N	0.207	E	10	G			1.3	12	FRANCE. ML 2.1 (LDG).
	12	11	39	57.4	43.565	N	147.053	E	54	*	4.6		0.9	61	KURIL ISLANDS
	12	11	47	53.4*	7.029	S	129.690	E	125	?	4.6		1.6	9	BANDA SEA
	12	11	52	29.4?	30.83	S	69.06	W	120	G			0.7	7	CHILE-ARGENTINA BORDER REGION
	12	12	16	01.9%	40.365	N	28.056	E	10	G			0.5	8	TURKEY. MD 2.7 (ISK).
	12	12	38	12.2%	15.074	N	61.115	W	10	G			0.8	8	LEEWARD ISLANDS. MG 2.4 (FDF).
	12	12	43	45.6%	15.083	N	61.143	W	10	G			1.1	5	LEEWARD ISLANDS. MG 2.3 (FDF).
	12	12	48	11.5*	6.325	S	129.424	E	199	*	4.0		1.4	12	BANDA SEA
	12	12	51	50.6&	59.884	N	153.214	W	129		2.8			69	SOUTHERN ALASKA. <AEIC>.
	12	13	20	10.1?	36.69	N	28.93	E	10	G			0.3	4	DODECANESE ISLANDS. MD 3.1 (ISK).
	12	13	34	37.6	43.895	N	147.247	E	33	N	4.5		0.7	40	KURIL ISLANDS
	12	13	35	21.1*	31.631	S	68.874	W	108	*			1.4	19	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN).
	12	14	51	34.2&	62.137	N	148.112	W	38		3.2			40	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.5 (PMR).
	12	14	56	03.6	40.809	N	27.831	E	10	G			0.7	9	TURKEY. MD 3.0 (ISK).
	12	15	31	05.5	43.284	N	0.193	W	5	G			1.2	48	PYRENEES. MD 4.1 (BTH). ML 4.1 (LDG). Felt in the Bearn and Bigorre regions, France.
	12	15	35	08.1?	46.79	N	152.77	E	33	N	4.3		0.8	18	KURIL ISLANDS
	12	16	27	51.0*	5.841	N	126.338	E	101	?	4.0		0.9	13	MINDANAO, PHILIPPINE ISLANDS
	12	16	37	37.1*	6.168	S	130.135	E	101	?	4.2		1.7	13	BANDA SEA
	12	16	44	31.1&	44.267	N	70.250	W	5	G				3	MAINE. <WES-P>. MD 2.8 (WES). Felt (IV) at Greene and (III) at Sabattus. Also felt at Lewiston and North Turner.
	12	17	00	02.4?	33.37	S	72.00	W	33	N			0.7	10	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	12	17	04	13.3	37.806	N	134.318	E	405		4.1		0.6	27	SEA OF JAPAN
	12	17	08	58.8%	39.318	N	27.878	E	10	G			0.8	8	TURKEY. MD 2.9 (ISK).
	12	17	53	50.9&	37.931	N	118.486	W	5					58	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.7 (GM). ML 3.8 (BRK), 3.7 (GS). Felt (III) at Benton, California.
	12	18	38	01.9%	39.125	N	27.768	E	10	G			0.7	7	TURKEY. MD 3.0 (ISK).
	12	19	26	41.0?	12.49	N	81.45	W	10	G			0.4	6	CARIBBEAN SEA. MD 4.4 (UPA).
a	12	20	13	37.2&	59.436	N	153.127	W	111		5.5			455	SOUTHERN ALASKA. <AEIC>. Mw 5.6 (HRV). Felt (IV) at Anchorage, Anchor Point, Eagle River, Homer, Kenai, Port Graham and Sterling; (III) at Moose Pass, Port Alsworth, Port Lions and Seward; (II) at Palmer and Talkeetna. Also felt at Fairbanks and Kodiak.
	12	20	59	46.9	49.198	N	6.922	E	10	G			0.5	19	GERMANY. ML 2.5 (STR), 2.5 (UCC), 2.4 (DBN). Mining induced in the Lorraine region, France.
	12	21	23	47.2?	38.04	S	178.78	E	33	N	4.5		1.3	14	OFF E. COAST OF N. ISLAND, N.Z.
	12	22	12	27.6?	37.84	S	178.71	E	33	N	4.4		1.1	10	OFF E. COAST OF N. ISLAND, N.Z.
	12	22	27	26.5*	38.647	N	20.515	E	5	G			1.4	12	GREECE. MD 3.0 (ATH). ML 3.0 (THE).
	12	23	19	53.7?	1.10	S	77.41	W	187	?	4.2		1.3	18	ECUADOR
	12	23	34	12.8?	14.85	N	61.13	W	10	G			0.3	4	WINDWARD ISLANDS. MG 2.1 (FDF).
	12	23	49	35.4?	14.87	N	61.12	W	10	G			0.2	4	WINDWARD ISLANDS. MG 2.1 (FDF).
	12	23	49	43.5*	37.720	S	179.190	E	33	N	4.0		0.6	9	OFF E. COAST OF N. ISLAND, N.Z.
	12	23	57	21.1	31.861	S	69.901	W	124		4.4		0.8	32	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN).
a	13	00	11	47.0	37.621	S	178.629	E	28	D	5.7	6.2	1.2	130	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.9 (GS), 6.0 (HRV). Mo=2.0*10**18 Nm (PPT). Felt at Gisborne.
	13	00	50	57.5*	44.479	N	147.226	E	33	N	4.1		0.8	13	KURIL ISLANDS
	13	00	55	39.7&	37.926	N	118.487	W	5					17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK), 3.0 (GS).
	13	01	05	33.0&	45.560	N	122.880	W	23					5	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.2 (SEA). Felt in the Portland, Oregon area.
	13	01	57	03.5?	37.83	S	179.09	E	33	N	4.6		1.0	12	OFF E. COAST OF N. ISLAND, N.Z.
	13	02	08	11.9*	37.684	S	178.770	E	33	N	4.8		1.3	28	OFF E. COAST OF N. ISLAND, N.Z.
	13	02	40	48.0*	5.386	S	146.925	E	239		4.4		0.9	12	EASTERN NEW GUINEA REG., P.N.G.
	13	03	29	26.9	34.012	S	70.070	W	5	G			0.5	14	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
	13	03	34	46.0?	31.19	S	67.92	W	33	N			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	13	03	49	56.5?	38.83	N	26.93	E	5	G			1.1	6	AEGEAN SEA. MD 3.2 (ISK).
	13	04	00	43.0*	3.333	N	96.125	E	33	N	4.4		1.1	16	NORTHERN SUMATERA, INDONESIA
	13	04	09	33.0	12.523	N	81.541	W	33	N	4.4		1.2	44	CARIBBEAN SEA. MD 4.7 (UPA).
	13	04	14	33.0?	43.87	N	6.03	E	10	G			0.3	8	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG), 1.9 (STR).
	13	06	19	52.7%	43.252	N	8.081	E	10	G			0.1	5	CORSICA. ML 2.0 (LDG).
	13	06	23	53.9	40.833	N	27.766	E	10	G			0.6	12	TURKEY. MD 3.3 (ISK).
	13	07	19	43.8	0.834	S	97.885	E	33	N	4.6		0.5	17	SOUTHWEST OF SUMATERA, INDONESIA
	13	08	32	31.9?	5.40	N	125.57	E	33	N	4.8		1.3	25	MINDANAO, PHILIPPINE ISLANDS
a	13	08	41	14.2	1.332	S	127.512	E	22	D	5.8		1.2	169	HALMAHERA, INDONESIA. Mw 5.9 (HRV).
a	13	08	43	37.2	1.278	S	127.444	E	14	G	6.2	6.1	1.1	183	HALMAHERA, INDONESIA. Mw 6.3 (GS), 6.3 (HRV). Mo=1.5*10**19 Nm (PPT). Depth from broadband displacement seismograms.
	13	08	44	57.2?	34.70	S	71.09	W	70	G			0.2	8	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	13	08	59	02.3?	40.81	N	22.97	E	5	G			0.1	4	GREECE
	13	09	14	18.0%	40.482	N	29.912	E	10	G			0.2	7	TURKEY. MD 2.8 (ISK).
	13	09	19	54.2%	40.807	N	27.845	E	10	G			0.2	5	TURKEY. MD 2.7 (ISK).
	13	09	25	41.1*	37.338	N	141.821	E	43	*	4.3		0.8	31	NEAR EAST COAST OF HONSHU, JAPAN
	13	09	26	48.5	1.403	S	127.501	E	33	N	5.0		1.2	40	HALMAHERA, INDONESIA
	13	09	45	23.7*	1.301	S	127.388	E	33	N	4.4		1.3	15	HALMAHERA, INDONESIA
	13	09	46	11.2?	30.79	N	130.73	E	33	N	4.3		0.9	21	KYUSHU, JAPAN
	13	09	51	22.5*	34.063	S	70.155	W	5	G			1.6	19	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
	13	09	52	08.5*	1.409	S	127.807	E	33	N	4.5		0.9	17	HALMAHERA, INDONESIA

	13	09	54	55.1*	37.697	N	23.147	E	10	G		0.6	8	SOUTHERN GREECE. ML 3.3 (THE). MD 3.0 (ATH).
	13	09	58	43.4?	36.92	N	29.06	E	10	G		0.2	4	TURKEY. MD 3.1 (ISK).
	13	09	59	10.5*	43.543	N	147.472	E	33	N	4.2	1.0	15	KURIL ISLANDS
	13	11	42	37.2?	39.37	N	23.99	E	5	G		0.8	5	AEGEAN SEA. ML 2.2 (THE).
	13	11	47	22.6	1.413	S	127.541	E	33	N	5.1	1.2	36	HALMAHERA, INDONESIA
	13	12	18	32.5*	1.322	S	127.494	E	33	N	5.0	1.2	38	HALMAHERA, INDONESIA
	13	12	18	49.4*	38.734	S	177.958	E	33	N	4.7	0.9	15	NORTH ISLAND, NEW ZEALAND
a	13	12	29	53.0	1.310	S	127.429	E	17	G	6.0 5.9	1.1	195	HALMAHERA, INDONESIA. Mw 6.3 (GS), 6.1 (HRV). Ms 6.0 (BRK). Mo=9.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	13	13	04	16.3	1.337	S	127.355	E	33	N	5.3	1.0	73	HALMAHERA, INDONESIA
a	13	13	06	46.0	1.338	S	127.357	E	22	D	5.6 5.0	1.2	98	HALMAHERA, INDONESIA. Mw 5.7 (HRV).
	13	13	11	27.2?	40.83	N	27.82	E	10	G		0.2	4	TURKEY. MD 2.6 (ISK).
	13	13	16	34.3	40.719	N	22.679	E	10	G	4.6	1.2	118	GREECE. ML 4.5 (TIR), 4.3 (THE), 4.1 (SKO). MD 4.3 (ATH). Felt strongly at Thessaloniki. Also felt (IV) at Dojran, Gevgelija and Valandovo, former Yugoslav Republic of Macedonia.
	13	13	19	41.9	1.355	S	127.489	E	33	N	5.2	1.1	35	HALMAHERA, INDONESIA
	13	13	25	33.6%	40.726	N	22.779	E	5	G		0.6	5	GREECE. ML 1.2 (THE).
	13	13	40	38.8	40.740	N	22.761	E	5	G		0.4	9	GREECE. ML 1.7 (THE).
	13	13	51	30.6	1.419	S	127.634	E	33	N	5.1	1.5	36	HALMAHERA, INDONESIA
	13	13	51	58.1	40.682	N	22.729	E	5	G		0.4	11	GREECE. ML 3.0 (SKO), 2.8 (THE).
	13	13	52	04.4	1.164	S	127.391	E	20	D	5.5 4.8	1.2	105	HALMAHERA, INDONESIA
	13	13	54	38.4	1.497	S	127.409	E	33	N	5.3	1.1	37	HALMAHERA, INDONESIA
	13	14	04	57.5	40.954	N	20.989	E	5	G		0.9	10	GREECE-ALBANIA BORDER REGION. ML 2.5 (THE), 2.1 (SKO).
	13	14	07	19.4?	40.70	N	22.74	E	5	G		0.2	4	GREECE. ML 1.6 (THE).
	13	14	11	41.0	40.702	N	22.713	E	5	G		0.2	9	GREECE. ML 2.2 (THE).
	13	14	28	59.5?	28.23	N	34.63	E	10	G		0.3	5	EGYPT. MD 3.2 (RYD).
	13	14	30	23.4	40.704	N	22.737	E	5	G		0.1	7	GREECE. ML 2.0 (THE).
	13	14	30	42.1	40.701	N	22.732	E	5	G		0.6	11	GREECE. ML 3.0 (SKO), 2.9 (THE).
	13	14	52	20.9%	40.644	N	22.692	E	5	G		0.5	6	GREECE. ML 1.8 (THE).
	13	15	01	16.8*	1.555	S	127.435	E	33	N	4.2	1.1	15	HALMAHERA, INDONESIA
	13	15	02	20.7	40.699	N	22.758	E	5	G		0.3	8	GREECE. ML 1.9 (THE).
a	13	15	04	24.0	1.318	S	127.438	E	14	G	6.3 6.7	1.2	348	HALMAHERA, INDONESIA. Mw 6.7 (GS), 6.7 (HRV). Ms 6.8 (BRK). Mo=3.3*10**19 Nm (PPT). Felt (V) on Obi, (IV) at Labuha and (III) at Ternate. Two events about 1.5 seconds apart. Depth from broadband displacement seismograms, based on first event.
	13	15	33	53.1*	1.293	S	127.720	E	33	N	4.2	1.3	16	HALMAHERA, INDONESIA
	13	15	36	23.9	1.607	S	127.492	E	15	D	5.5 5.6	1.1	32	HALMAHERA, INDONESIA
	13	15	53	35.3*	1.382	S	127.591	E	33	N	4.6	1.3	17	HALMAHERA, INDONESIA
	13	15	54	44.9	1.481	S	127.401	E	19	D	5.2	1.3	60	HALMAHERA, INDONESIA
	13	16	04	14.6%	40.627	N	22.667	E	5	G		0.6	6	GREECE. ML 2.1 (THE).
	13	16	18	53.4?	1.14	S	127.99	E	33	N	4.4	1.3	13	HALMAHERA, INDONESIA
	13	16	32	04.4	1.446	S	127.456	E	18	D	5.2	1.4	42	HALMAHERA, INDONESIA
	13	16	36	31.0	40.691	N	22.729	E	5	G		0.2	8	GREECE. ML 1.9 (THE).
	13	16	37	11.6%	37.266	N	28.447	E	10	G		0.4	5	TURKEY. MD 3.2 (ISK).
	13	16	39	39.6*	19.284	N	66.598	W	33	N		0.3	11	PUERTO RICO REGION. MD 3.6 (MPR).
	13	16	52	27.1*	1.419	S	127.668	E	33	N	4.2	1.2	17	HALMAHERA, INDONESIA
	13	16	55	39.1	39.778	N	143.628	E	33	N	4.7	0.8	33	OFF EAST COAST OF HONSHU, JAPAN
	13	17	35	09.3?	1.60	S	127.27	E	33	N	4.8	0.9	13	HALMAHERA, INDONESIA
	13	18	06	58.1%	40.132	N	29.262	E	10	G		0.7	7	TURKEY. MD 2.6 (ISK).
	13	18	09	06.0?	38.38	N	21.70	E	33	N		0.8	10	GREECE. ML 2.9 (THE).
	13	18	54	02.6%	40.685	N	22.732	E	5	G		0.3	7	GREECE. ML 1.8 (THE).
	13	20	01	27.5	40.727	N	22.763	E	5	G		0.4	7	GREECE. ML 1.9 (THE).
	13	20	03	03.9*	24.343	N	122.498	E	33	N	4.4	1.2	20	TAIWAN REGION
	13	20	26	50.8?	40.80	N	27.86	E	10	G		0.3	4	TURKEY. MD 2.7 (ISK).
	13	20	32	28.8	40.829	N	27.828	E	10	G		0.7	10	TURKEY. MD 2.9 (ISK).
	13	20	59	44.9	1.318	S	127.703	E	19	D	4.8	1.2	29	HALMAHERA, INDONESIA
	13	21	07	59.0*	1.391	S	127.866	E	33	N	4.2	1.3	15	HALMAHERA, INDONESIA
	13	21	50	49.0	40.696	N	22.722	E	5	G		0.2	8	GREECE. ML 2.0 (THE).
	13	21	58	54.1?	18.98	S	177.39	W	500	G	4.2	1.2	11	FIJI ISLANDS REGION
	13	22	02	02.4&	35.201	N	120.831	W	6	G			21	CENTRAL CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.7 (GS).
	13	22	20	49.5?	14.85	N	61.12	W	10	G		0.3	4	WINDWARD ISLANDS. MG 2.1 (FDF).
	13	22	24	48.4*	1.603	S	127.337	E	33	N	4.6	0.7	15	HALMAHERA, INDONESIA
	13	22	33	37.2%	38.409	N	27.663	E	10	G		1.0	10	TURKEY. MD 3.2 (ISK).
	13	22	37	46.5&	35.842	N	118.327	W	1				18	CENTRAL CALIFORNIA. <PAS-P>. ML 2.8 (PAS). MD 2.8 (GM).
	13	23	31	09.1*	1.555	S	127.397	E	33	N	4.6	0.8	15	HALMAHERA, INDONESIA
	13	23	36	31.5%	36.838	N	29.068	E	10	G		0.4	5	TURKEY. MD 3.4 (ISK).
	13	23	39	33.6?	36.83	N	29.08	E	10	G		0.2	4	TURKEY. MD 3.1 (ISK).
	13	23	48	14.9?	37.23	N	29.16	E	10	G		0.3	4	TURKEY. MD 3.0 (ISK).
	14	00	32	24.8*	19.104	N	146.023	E	200	G	4.0	1.4	15	MARIANA ISLANDS REGION
	14	00	34	17.2*	5.152	S	129.108	E	241	?	4.7	0.6	15	BANDA SEA
	14	00	45	38.2	40.692	N	22.742	E	5	G		0.2	9	GREECE. ML 2.1 (THE).
	14	00	51	16.9?	35.90	S	179.02	E	33	N	4.5	0.7	16	OFF E. COAST OF N. ISLAND, N.Z.
	14	01	15	13.3?	36.74	N	28.90	E	10	G		1.0	4	DODECANESE ISLANDS. MD 3.0 (ISK).
	14	01	27	51.2	30.164	N	131.046	E	29	D	4.6 4.9	0.9	54	KYUSHU, JAPAN
	14	01	44	38.5*	13.280	N	90.093	W	33	N	4.5	1.3	69	NEAR COAST OF GUATEMALA
	14	01	59	49.1%	51.450	N	16.004	E	10	G		0.7	5	POLAND
	14	03	03	51.3%	40.633	N	29.980	E	10	G		0.8	5	TURKEY. MD 2.6 (ISK).
	14	03	24	18.2?	18.01	S	176.68	W	337	?	4.5	1.4	36	FIJI ISLANDS REGION
	14	04	10	29.2*	1.187	S	127.727	E	33	N	4.9	1.0	21	HALMAHERA, INDONESIA
	14	04	11	25.0?	15.51	N	96.18	W	33	N	3.7	0.9	8	NEAR COAST OF OAXACA, MEXICO
	14	04	58	51.6*	24.911	S	179.622	E	512	D	4.6	1.3	30	SOUTH OF FIJI ISLANDS
	14	05	34	42.1*	1.601	S	127.314	E	33	N	4.4	0.3	11	HALMAHERA, INDONESIA
	14	06	02	39.5%	40.698	N	22.714	E	5	G		0.2	5	GREECE. ML 1.9 (THE).
	14	06	56	39.5?	36.38	N	28.82	E	10	G		0.4	4	DODECANESE ISLANDS. MD 3.2 (ISK).
	14	07	34	51.3	44.717	N	146.364	E	171	D	4.9	1.0	130	KURIL ISLANDS
	14	08	27	58.7%	31.320	S	69.223	W	120	G		0.7	9	SAN JUAN PROVINCE, ARGENTINA
	14	08	35	19.8?	39.13	N	27.53	E	10	G		0.4	4	TURKEY. MD 2.7 (ISK).
	14	08	35	39.8	40.692	N	22.782	E	5	G		1.2	24	GREECE. ML 3.4 (SKO), 3.2 (THE).
	14	08	38	49.4?	39.19	N	27.83	E	10	G		0.1	4	TURKEY. MD 2.8 (ISK).
	14	08	41	51.1?	39.22	N	20.43	E	10	G		1.4	5	GREECE-ALBANIA BORDER REGION

	14	09	28	54.3?	40.70	N	22.72	E	5	G			0.1	4	GREECE. ML 1.8 (THE).
	14	09	34	52.0&	58.250	N	139.880	W	10	G				13	OFF COAST OF SOUTHEASTERN ALASKA. <PGC-P>. ML 3.1 (PGC), 3.1 (AEIC).
	14	09	35	13.7?	39.11	N	27.69	E	10	G			0.3	4	TURKEY. MD 2.6 (ISK).
	14	09	53	03.2?	39.12	N	27.51	E	10	G			0.8	4	TURKEY. MD 2.8 (ISK).
	14	10	20	47.6*	14.982	N	94.065	W	41		4.2		0.9	41	OFF COAST OF CHIAPAS, MEXICO
	14	10	33	32.4&	60.035	N	152.805	W	106					46	SOUTHERN ALASKA. <AEIC>.
	14	11	13	20.8*	37.772	N	42.724	E	18	D	4.7	4.3	1.5	71	TURKEY. Felt along the Turkey-Iraq border.
	14	11	36	16.3?	45.01	N	17.47	E	10	G			0.2	4	NORTHWESTERN BALKAN REGION. ML 2.2 (LJU).
	14	11	43	11.4?	55.46	N	161.51	E	33	N	4.2		0.7	17	NEAR EAST COAST OF KAMCHATKA
	14	12	07	27.0*	6.051	S	148.423	E	83	*	4.5		1.4	12	NEW BRITAIN REGION, P.N.G.
	14	12	25	37.0*	1.436	S	80.407	W	33	N	4.6		0.9	34	NEAR COAST OF ECUADOR
	14	12	47	38.0	35.849	N	34.286	E	33	N	4.4		1.1	91	CYPRUS REGION. ML 4.6 (ISK), 4.3 (JER), 4.1 (CSS), 3.9 (BHL). Felt along the coast of Turkey from Anamur to Mersin.
	14	14	04	20.0?	35.19	S	71.06	W	90	G			0.3	11	CENTRAL CHILE. MD 3.8 (SAN).
	14	14	10	32.7?	32.43	S	71.61	W	33	N			0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	14	14	35	02.3	39.332	N	20.354	E	10	G			1.1	12	GREECE-ALBANIA BORDER REGION. ML 2.8 (THE). MD 2.8 (ATH).
	14	14	58	50.7?	40.88	N	31.29	E	10	G			0.4	9	TURKEY. MD 3.5 (ISK).
	14	15	25	01.5&	36.204	N	118.319	W	6					6	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.6 (PAS).
a	14	15	53	55.7	23.366	S	67.688	W	147	G	5.7		1.0	302	CHILE-ARGENTINA BORDER REGION. Mw 6.0 (GS), 6.0 (HRV). mb 5.6 (BRK). Mo=2.2*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	14	16	07	11.6	56.940	N	143.117	W	10	G			0.6	19	GULF OF ALASKA. ML 3.2 (AEIC), 3.0 (PGC).
	14	16	15	41.9?	40.91	N	31.22	E	10	G			0.3	9	TURKEY. MD 3.0 (ISK).
	14	16	22	57.8?	37.02	N	28.95	E	10	G			0.4	4	TURKEY. MD 3.1 (ISK).
	14	16	49	10.1&	38.457	N	27.607	E	10	G			0.5	7	TURKEY. MD 2.8 (ISK).
	14	17	11	31.5	31.711	S	69.960	W	120	G			0.4	17	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
	14	17	24	46.7&	40.708	N	22.741	E	5	G			0.2	7	GREECE. ML 1.9 (THE).
a	14	17	40	15.6	29.269	N	139.174	E	419	*	5.1		0.9	134	SOUTH OF HONSHU, JAPAN. Mw 5.5 (HRV).
a	14	17	41	05.8	44.785	N	153.180	E	33	D	5.3		0.9	119	EAST OF KURIL ISLANDS. Mw 5.4 (HRV).
	14	18	08	08.3*	22.969	S	170.760	E	26	D	4.9		1.2	45	LOYALTY ISLANDS REGION
	14	18	15	31.3	32.280	S	69.575	W	140	G			0.6	13	MENDOZA PROVINCE, ARGENTINA
	14	18	20	35.3&	31.720	N	115.863	W	5					24	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.2 (ECX). ML 3.2 (GS).
	14	18	23	03.8*	18.566	N	146.545	E	33	N	4.6	4.5	0.8	38	MARIANA ISLANDS
	14	18	27	07.8?	18.59	N	146.73	E	33	N	4.1		1.0	8	MARIANA ISLANDS
	14	18	34	22.7*	34.927	N	23.130	E	33	N	4.0		1.3	25	CRETE
	14	18	52	21.4?	7.59	S	119.92	E	392	*	3.9		1.2	12	FLORES SEA
	14	19	31	07.2&	33.154	S	70.302	W	5	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	14	20	47	25.9*	28.906	S	67.663	W	163	?			1.2	22	LA RIOJA PROVINCE, ARGENTINA. MD 4.7 (SAN).
a	14	20	47	40.4	44.022	N	148.031	E	32	G	5.9	5.6	0.9	446	KURIL ISLANDS. Mw 5.9 (GS), 5.9 (HRV). Ms 5.2 (BRK). Mo=8.6*10**17 Nm (PPT). Felt (IV) on Kunashir and Shikotan. Also felt (II JMA) at Kushiro, Hokkaido. Depth from broadband displacement seismograms.
	14	22	11	42.8&	40.711	N	22.747	E	5	G			0.1	6	GREECE. ML 1.6 (THE).
	14	22	14	13.0*	50.446	N	18.912	E	10	G			0.7	10	POLAND
	14	22	30	43.5&	59.764	N	153.511	W	129					23	SOUTHERN ALASKA. <AEIC>.
	14	23	44	35.2?	31.21	S	68.74	W	100	G			1.2	8	SAN JUAN PROVINCE, ARGENTINA
	14	23	55	30.5	42.505	N	144.691	E	33	N	5.0	4.3	0.9	107	HOKKAIDO, JAPAN REGION. Felt (IV JMA) at Kushiro.
a	15	00	40	28.5	30.095	S	177.034	W	33	N	4.9	4.9	1.5	50	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.4 (HRV). Felt (III) on Raoul Island.
	15	00	56	41.1	42.502	N	144.744	E	33	N	4.8	4.1	0.9	71	HOKKAIDO, JAPAN REGION. Felt (IV JMA) at Kushiro.
a	15	01	16	53.7*	37.721	S	178.822	E	33	N	5.0	4.8	1.2	46	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.3 (HRV).
	15	01	47	55.6*	29.948	S	177.119	W	33	N	4.5		1.1	12	KERMADEC ISLANDS, NEW ZEALAND
	15	01	49	19.0?	44.04	N	148.12	E	33	N	4.7		0.8	21	KURIL ISLANDS
	15	01	53	20.0?	43.39	N	148.40	E	33	N	4.5		1.5	15	EAST OF KURIL ISLANDS
	15	01	53	56.8&	62.585	N	149.673	W	77					49	CENTRAL ALASKA. <AEIC>.
	15	01	58	45.4&	15.064	N	61.139	W	10	G			0.7	8	LEEWARD ISLANDS. MG 2.3 (FDF).
	15	01	59	35.4?	38.38	S	178.91	E	33	N	4.6		0.6	9	OFF E. COAST OF N. ISLAND, N.Z.
	15	02	41	41.0&	18.907	N	67.261	W	33	N			0.2	10	MONA PASSAGE. MD 3.1 (MPR).
	15	02	54	07.2&	34.253	N	118.480	W	14					52	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.1 (GS). Felt (III) at Sylmar.
	15	02	58	52.6	36.167	N	71.364	E	119	D	4.7		1.2	51	AFGHANISTAN-TAJIKISTAN BORD REG.
	15	04	22	03.2&	18.927	N	155.461	W	31		3.8			52	HAWAII. <HVO-P>. MD 4.0 (HVO).
	15	04	23	31.4&	40.703	N	22.755	E	5	G			0.2	9	GREECE. ML 2.3 (THE).
	15	04	39	28.2?	28.66	N	34.13	E	20	G			0.5	8	EGYPT. MD 2.8 (RYD).
	15	04	49	35.4?	38.68	N	24.30	E	10	G			0.6	7	AEGEAN SEA. ML 2.9 (THE).
	15	04	53	25.0&	42.449	N	18.530	E	10	G			0.3	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	15	04	54	57.3*	34.567	N	26.540	E	66	*	4.0		1.0	21	CRETE. MD 4.2 (ATH).
	15	04	56	12.6?	34.48	N	26.97	E	33	N	4.0		0.6	12	CRETE
	15	05	19	58.6?	6.52	S	147.53	E	33	N	3.9		0.9	9	EASTERN NEW GUINEA REG., P.N.G.
	15	05	21	16.0	17.932	S	69.418	W	134	D	4.6		1.5	46	PERU-BOLIVIA BORDER REGION
	15	06	27	02.3&	60.401	N	152.227	W	83					38	SOUTHERN ALASKA. <AEIC>.
	15	06	45	10.9*	1.064	S	128.087	E	33	N	4.9		1.4	19	HALMAHERA, INDONESIA
	15	07	06	10.0&	40.690	N	22.742	E	5	G			0.3	6	GREECE. ML 1.9 (THE).
	15	07	13	28.1?	31.57	S	68.09	W	41	?			1.7	6	SAN JUAN PROVINCE, ARGENTINA
	15	08	16	13.5?	39.14	N	27.53	E	10	G			0.2	4	TURKEY. MD 2.7 (ISK).
	15	08	18	42.0?	14.29	N	92.25	W	91	*	4.1		1.1	14	NEAR COAST OF CHIAPAS, MEXICO
	15	08	25	28.5?	42.13	N	147.10	E	33	N	4.4		1.7	10	OFF COAST OF HOKKAIDO, JAPAN
	15	08	30	24.2*	35.907	N	28.593	E	10	G			0.6	7	EASTERN MEDITERRANEAN SEA. MD 3.7 (ATH), 3.3 (ISK).
	15	08	38	23.9?	34.81	S	70.36	W	120	G			0.9	9	CHILE-ARGENTINA BORDER REGION
	15	08	40	45.8&	34.249	N	118.507	W	14					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.8 (GS).
	15	08	58	58.1?	39.65	N	29.41	E	10	G			1.0	6	TURKEY. MD 2.7 (ISK).
	15	09	34	36.5?	35.03	N	27.91	E	33	N			1.1	7	DODECANESE ISLANDS. MD 3.9 (ATH).
	15	09	45	13.9?	23.63	S	179.76	W	500	G	4.5		1.1	13	SOUTH OF FIJI ISLANDS
	15	10	17	30.4&	34.062	S	69.970	W	5	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
a	15	10	36	11.8	1.692	S	127.255	E	29	D	5.2		1.2	47	HALMAHERA, INDONESIA. Mw 5.3 (HRV).
	15	10	43	19.8&	34.032	S	70.021	W	5	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	15	11	18	55.9?	5.95	S	131.46	E	33	N	4.1		1.6	8	BANDA SEA
	15	11	32	51.4	36.900	N	28.987	E	10	G			1.3	11	DODECANESE ISLANDS. MD 3.8 (ISK).
	15	12	22	22.8	10.558	S	124.322	E	33	N	5.3		1.5	47	TIMOR REGION, INDONESIA

	15	12	31	55.8?	41.23	N	22.03	E	10	G			0.0	4	NORTHWESTERN BALKAN REGION. ML 1.8 (SKO).
	15	12	33	49.5?	39.17	N	27.51	E	10	G			0.0	4	TURKEY. MD 2.7 (ISK).
	15	12	42	50.3?	39.43	N	29.60	E	10	G			0.6	7	TURKEY. MD 2.7 (ISK).
	15	13	05	20.2*	29.044	N	51.248	E	32	D	4.7		1.2	96	SOUTHERN IRAN. MD 4.5 (RYD).
	15	13	18	16.2?	18.26	N	146.56	E	33	N	4.1		1.0	9	MARIANA ISLANDS
	15	13	46	01.0&	40.701	N	22.740	E	5	G			0.3	8	GREECE. ML 2.2 (THE).
	15	14	29	03.4?	31.27	S	68.63	W	33	N			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	15	14	32	10.0?	37.60	S	179.05	E	33	N	4.2	4.1	1.6	13	OFF E. COAST OF N. ISLAND, N.Z.
	15	15	04	41.6?	40.73	N	30.97	E	10	G			0.3	5	TURKEY. MD 2.8 (ISK).
	15	15	38	28.1?	37.44	S	179.51	E	33	N	4.1		1.1	10	OFF E. COAST OF N. ISLAND, N.Z.
	15	15	53	57.0&	45.900	N	75.040	W	18	G				15	SOUTHERN ONTARIO, CANADA. <OTT-P>. mbLg 3.5 (OTT), 3.4 (GS). Felt at Cheneville, Laval, Namur, Notre-Dame-de-la-Paix, Saint-Remi and St-Jerome, Quebec.
	15	15	54	53.7*	28.376	S	67.568	W	184	?			1.2	8	LA RIOJA PROVINCE, ARGENTINA
	15	16	07	35.6?	35.11	S	71.12	W	120	G			0.3	10	CENTRAL CHILE
	15	17	05	20.6	36.398	N	70.412	E	205	D	4.1		0.7	27	HINDU KUSH REGION, AFGHANISTAN
	15	17	06	57.3&	43.134	N	18.742	E	5	G			0.4	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	15	17	09	55.6?	37.22	N	29.19	E	10	G			0.3	4	TURKEY. MD 3.0 (ISK).
	15	17	16	10.0?	44.00	N	7.64	E	5	G			0.6	8	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG), 1.4 (STR).
	15	17	39	51.5?	37.40	S	179.13	E	33	N	4.2		0.7	10	OFF E. COAST OF N. ISLAND, N.Z.
	15	17	45	32.8?	44.57	N	147.73	E	33	N	4.0		0.7	9	KURIL ISLANDS
	15	17	52	54.0*	9.924	N	57.710	E	10	G	4.7		1.1	32	CARLSBERG RIDGE
	15	18	35	51.2?	17.69	S	178.75	W	600	G	4.2		1.4	22	FIJI ISLANDS REGION
	15	18	40	17.2*	25.572	N	143.041	E	33	N	4.2		1.0	20	VOLCANO ISLANDS REGION
	15	18	44	09.3*	9.159	N	84.164	W	33	N	4.3		1.5	18	COSTA RICA. MD 4.4 (UPA).
	15	18	44	14.4&	59.718	N	152.665	W	96					51	SOUTHERN ALASKA. <AEIC>.
	15	19	00	38.6?	37.12	S	179.33	E	33	N	4.5		0.9	10	OFF E. COAST OF N. ISLAND, N.Z.
	15	19	55	18.2*	17.547	S	174.208	W	138	D	4.7		1.3	46	TONGA ISLANDS
	15	20	13	32.8&	38.685	N	27.959	E	10	G			0.5	8	TURKEY. MD 3.0 (ISK).
	15	20	41	10.8*	5.882	S	146.680	E	118	*			1.4	10	EASTERN NEW GUINEA REG., P.N.G.
	15	21	21	26.6?	32.28	S	68.40	W	100	G			0.7	7	MENDOZA PROVINCE, ARGENTINA
	15	21	22	57.8	11.345	N	125.263	E	47	D	4.6		0.6	27	SAMAR, PHILIPPINE ISLANDS
	15	21	33	28.6*	32.296	N	137.525	E	394	*	4.3		0.8	19	SOUTH OF HONSHU, JAPAN
	15	22	02	33.8*	42.392	N	142.604	E	33	N			1.5	11	HOKKAIDO, JAPAN REGION
a	15	23	36	16.4	37.776	S	178.712	E	33	N	5.0	4.6	1.1	32	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.2 (HRV).
	15	23	58	42.5	40.708	N	22.752	E	5	G			0.5	15	GREECE. MD 2.9 (ATH). ML 2.7 (THE), 2.7 (SKO).
	16	00	07	01.9	40.683	N	22.746	E	5	G			0.5	14	GREECE. MD 3.1 (ATH). ML 3.0 (THE).
	16	00	36	22.3&	36.797	N	121.514	W	5					74	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.6 (GS), 3.5 (BRK). Felt at Aromas and Hollister.
	16	01	00	21.1&	60.017	N	152.129	W	63		3.5			71	SOUTHERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.6 (PMR).
	16	02	14	17.6&	39.291	N	29.126	E	10	G			1.3	6	TURKEY. MD 2.7 (ISK).
	16	03	39	15.2&	31.652	S	68.338	W	10	G			1.0	5	SAN JUAN PROVINCE, ARGENTINA
	16	03	51	21.2*	13.927	N	93.010	W	33	N	4.4		1.3	41	OFF COAST OF CHIAPAS, MEXICO
	16	03	59	17.2&	63.227	N	154.326	W	16					24	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.1 (PMR).
	16	04	04	41.2?	30.94	S	69.12	W	100	G			0.7	5	CHILE-ARGENTINA BORDER REGION
	16	04	06	35.8?	8.86	N	84.21	W	33	N	3.7		1.7	9	OFF COAST OF COSTA RICA. MD 4.2 (UPA).
	16	04	30	20.7	61.666	N	150.199	W	52	*			0.9	12	SOUTHERN ALASKA. ML 3.6 (PMR).
	16	06	33	42.6*	52.142	N	173.133	E	33	N	4.2		0.6	16	NEAR ISLANDS, ALEUTIAN ISLANDS
	16	07	02	12.5*	31.322	S	67.809	W	10	G			0.8	7	SAN JUAN PROVINCE, ARGENTINA
	16	08	00	28.9*	26.361	S	27.433	E	5	G			1.4	8	REPUBLIC OF SOUTH AFRICA. ML 3.6 (PRE).
	16	08	11	30.7?	39.68	N	29.39	E	10	G			0.8	4	TURKEY. MD 2.7 (ISK).
	16	08	12	02.5?	31.28	S	69.35	W	120	G			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	16	08	18	11.3?	39.14	N	27.49	E	10	G			0.1	4	TURKEY. MD 2.8 (ISK).
	16	08	19	47.0?	39.17	N	27.46	E	10	G			0.7	4	TURKEY. MD 2.7 (ISK).
	16	08	24	05.2&	40.266	N	121.160	W	10					26	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
	16	08	56	46.5?	36.99	N	29.05	E	10	G			0.0	4	TURKEY. MD 3.2 (ISK).
	16	08	58	50.0*	31.233	S	71.813	W	10	G			0.9	17	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	16	09	34	12.6*	12.513	S	166.168	E	69	*	4.2		1.2	21	SANTA CRUZ ISLANDS
a	16	09	35	17.9	5.789	S	76.142	W	19	D	5.3		1.0	173	NORTHERN PERU. Mw 5.0 (HRV). Felt (III) at Chachapoyas.
	16	10	14	41.5?	32.06	S	71.34	W	33	N			1.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	16	10	35	16.6*	1.615	S	127.505	E	33	N	4.7		1.0	22	HALMAHERA, INDONESIA
	16	10	52	51.1&	40.317	N	124.592	W	20					26	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 2.8 (GS).
	16	11	13	45.4?	40.83	N	22.97	E	5	G			0.0	4	GREECE. ML 1.4 (THE).
	16	11	25	20.5?	22.75	S	179.90	W	600	G	4.1		1.3	14	SOUTH OF FIJI ISLANDS
	16	11	25	53.3?	18.88	N	64.18	W	33	N	4.1		0.7	14	VIRGIN ISLANDS. MD 4.1 (MPR). Felt (III) on Anegada, St. Thomas and Tortola.
	16	11	41	56.9	45.918	N	16.083	E	10	G			0.8	14	NORTHWESTERN BALKAN REGION. MD 3.6 (LJU), 3.1 (TRI). ML 3.4 (ZAG), 3.0 (VIE). Felt (V) at Sveti Matej. Also felt at Kraljev Vrh.
	16	11	51	43.1?	1.44	S	127.61	E	33	N	4.6		0.9	11	HALMAHERA, INDONESIA
	16	12	44	29.8	34.719	N	26.559	E	67		4.2		1.0	22	CRETE. MD 3.8 (ATH).
	16	12	47	20.7&	60.303	N	150.639	W	23					41	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	16	13	02	18.9*	34.357	N	26.554	E	33	N	4.7	4.0	1.4	241	CRETE. ML 4.7 (THE), 4.7 (CSS). MD 4.6 (HLW), 4.5 (ATH).
	16	13	09	13.5&	40.704	N	22.744	E	5	G			0.2	5	GREECE. ML 1.6 (THE).
	16	13	09	21.9&	40.688	N	22.775	E	5	G			0.1	6	GREECE. ML 1.9 (THE).
	16	14	09	28.4&	31.883	S	67.836	W	10	G			0.8	5	SAN JUAN PROVINCE, ARGENTINA
	16	14	24	30.9&	32.932	S	70.273	W	100	G			0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	16	14	26	52.9?	35.51	N	25.55	E	10	G			0.6	4	CRETE. MD 3.5 (ATH).
	16	14	29	34.5&	39.631	N	29.487	E	10	G			0.5	9	TURKEY. MD 2.7 (ISK).
	16	14	42	39.7	19.481	N	65.787	W	33	N	4.0		0.9	27	PUERTO RICO REGION
	16	14	44	38.5?	31.62	S	178.55	W	33	N	4.7		1.4	16	KERMADEC ISLANDS REGION
a	16	14	52	52.3	52.136	N	30.225	W	10	G	5.2	4.9	1.1	227	NORTHERN MID-ATLANTIC RIDGE. Mw 5.3 (HRV).
	16	15	21	02.6?	18.76	N	67.06	W	33	N			0.4	9	MONA PASSAGE. MD 2.7 (MPR).
	16	15	54	16.5?	31.57	S	68.71	W	100	G			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	16	16	01	01.3?	36.94	N	21.69	E	33	N			1.7	6	SOUTHERN GREECE. MD 3.5 (ATH).
	16	16	27	25.4*	10.056	S	113.858	E	33	N	4.0		0.4	19	SOUTH OF JAWA, INDONESIA
	16	17	04	51.4*	1.300	S	126.950	E	33	N	4.2		1.0	11	SOUTHERN MOLUCCA SEA
	16	18	10	35.2*	44.005	N	147.339	E	63	*	4.5		1.0	44	KURIL ISLANDS
	16	18	16	47.0&	39.468	N	28.200	E	10	G			0.6	8	TURKEY. MD 3.0 (ISK).
	16	18	17	53.8?	43.82	N	18.30	E	10	G			0.4	10	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).

	16	18 43 58.3%	34.955	S	70.094	W	5	G			0.8	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	16	18 56 09.9*	7.124	S	129.600	E	126	?	4.6		1.1	19	BANDA SEA
	16	18 59 37.4?	21.34	N	123.59	E	33	N	4.4		1.5	13	SOUTHEAST OF TAIWAN
	16	19 44 54.9?	33.32	S	70.10	W	5	G			0.4	4	CHILE-ARGENTINA BORDER REGION
	16	20 23 02.9%	38.539	N	27.002	E	10	G			1.1	7	TURKEY. MD 3.3 (ISK).
	16	20 35 55.0?	8.71	S	124.12	E	33	N	3.9		1.5	10	TIMOR REGION, INDONESIA
	16	21 22 34.3	32.958	N	140.411	E	80	D	4.7		0.9	64	SOUTH OF HONSHU, JAPAN
	16	21 34 42.0%	44.259	N	6.594	E	10	G			0.7	5	FRANCE. ML 2.2 (LDG).
	16	21 58 59.8%	39.266	N	28.148	E	10	G			0.5	8	TURKEY. MD 2.9 (ISK).
	16	22 04 12.2*	14.176	S	166.919	E	33	N	4.4		1.0	24	VANUATU ISLANDS
	16	23 27 02.1	39.004	N	20.530	E	10	G			1.2	11	GREECE-ALBANIA BORDER REGION. ML 3.0 (THE). MD 3.0 (ATH).
	16	23 34 30.9*	46.587	N	13.983	E	10	G			1.1	7	AUSTRIA. ML 2.2 (VIE).
	17	00 16 29.8	42.666	N	141.671	E	125		4.6		0.8	51	HOKKAIDO, JAPAN REGION
	17	01 00 22.5*	37.878	S	178.807	E	32	D	4.9		1.2	35	OFF E. COAST OF N. ISLAND, N.Z.
	17	01 13 16.2&	44.173	N	70.236	W	8					8	MAINE. <WES-P>. MD 2.7 (WES). Felt in the Auburn-Lewiston area. Also felt at Greene.
	17	02 19 17.3?	19.35	N	104.96	W	33	N	4.0		1.4	18	NEAR COAST OF JALISCO, MEXICO
	17	02 42 28.3?	13.59	N	92.97	W	33	N	4.4		1.2	20	OFF COAST OF CHIAPAS, MEXICO
a	17	02 44 25.0	27.635	N	92.371	E	39	D	5.2	5.1	1.0	222	EASTERN XIZANG-INDIA BORDER REG. Mw 5.5 (HRV). Felt in northeastern India.
	17	03 26 35.8&	61.793	N	148.446	W	6		5.0			211	SOUTHERN ALASKA. <AEIC>. ML 4.7 (AEIC), 4.5 (PMR). Felt (V) at Chickaloon; (IV) at Lazy Mountain; (III) at Hatcher Pass, Palmer, Sutton and Wasilla; (II) at Anchorage. Also felt at Chugiak and Valdez.
	17	03 32 17.2*	19.344	N	145.339	E	169	*	4.2		0.9	22	MARIANA ISLANDS
	17	03 34 34.1&	61.819	N	148.418	W	4					7	SOUTHERN ALASKA. <AEIC>. ML 2.2 (AEIC), 2.5 (PMR). Felt (III) at Chickaloon.
	17	03 36 23.5%	39.414	N	22.859	E	5	G			0.5	6	GREECE. ML 2.0 (THE).
	17	03 39 55.8?	40.46	N	23.44	E	5	G			0.6	4	GREECE. ML 2.1 (THE).
	17	04 25 19.9*	13.751	N	90.567	W	79	*			0.7	13	NEAR COAST OF GUATEMALA. MD 3.9 (SSS). Felt (III) at San Salvador, El Salvador.
	17	04 33 29.5	29.749	N	35.003	E	10				1.0	26	WESTERN ARABIAN PENINSULA. MD 3.5 (RYD).
	17	05 43 34.4&	60.156	N	153.005	W	130					44	SOUTHERN ALASKA. <AEIC>.
	17	06 05 28.2	37.829	N	20.291	E	33	N	4.3		1.4	78	IONIAN SEA. ML 4.5 (TTG), 4.2 (THE), 4.0 (TIR). MD 4.2 (ATH).
	17	06 10 21.9*	43.265	N	127.438	W	10	G	3.0		0.6	47	OFF COAST OF OREGON
	17	06 15 44.4?	32.22	S	71.31	W	33	N			0.7	12	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	17	06 37 38.8	38.541	N	21.445	E	5	G			1.2	13	GREECE. MD 3.1 (ATH). ML 3.0 (THE).
	17	06 46 28.8	36.019	N	27.565	E	10	G			1.2	11	DODECANESE ISLANDS. MD 4.0 (ATH). ML 3.7 (CSS).
	17	07 08 16.0	63.385	N	151.294	W	10	G			1.1	36	CENTRAL ALASKA. ML 3.0 (PMR), 2.5 (AEIC).
	17	07 09 15.6%	39.476	N	28.234	E	10	G			0.3	6	TURKEY. MD 2.8 (ISK).
	17	08 08 40.8	52.027	N	173.248	E	33	N	4.6		1.0	51	NEAR ISLANDS, ALEUTIAN ISLANDS
	17	08 47 24.0?	39.13	N	27.62	E	10	G			0.2	4	TURKEY. MD 2.6 (ISK).
	17	08 54 04.2&	36.830	N	121.563	W	6					71	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.2 (GS), 3.0 (BRK).
	17	09 02 34.8&	36.828	N	121.558	W	6					60	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.1 (GS).
	17	09 12 02.4%	39.395	N	28.174	E	10	G			0.6	9	TURKEY. MD 3.0 (ISK).
	17	09 13 19.6?	39.13	N	27.48	E	10	G			0.4	4	TURKEY. MD 2.7 (ISK).
	17	09 26 58.8*	31.714	S	67.979	W	33	N			1.5	8	SAN JUAN PROVINCE, ARGENTINA
	17	10 18 49.0%	41.120	N	20.209	E	10	G			1.2	12	ALBANIA. ML 2.8 (TTG).
	17	10 24 00.1?	39.24	N	27.74	E	10	G			0.3	4	TURKEY. MD 2.8 (ISK).
	17	10 34 56.5?	41.07	N	21.28	E	10	G			1.3	5	NORTHWESTERN BALKAN REGION. ML 2.4 (THE).
	17	11 44 54.8?	14.87	N	61.12	W	10	G			0.2	4	WINDWARD ISLANDS. MG 2.0 (FDF).
	17	12 11 49.7*	37.575	N	71.361	E	33	N	4.8		1.1	20	AFGHANISTAN-TAJIKISTAN BORD REG.
	17	12 12 38.0&	61.811	N	148.443	W	7					30	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.8 (PMR).
	17	14 16 31.6*	52.131	N	173.097	E	33	N	4.0		0.6	14	NEAR ISLANDS, ALEUTIAN ISLANDS
	17	14 24 21.6&	61.804	N	148.436	W	6					22	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 2.8 (PMR).
	17	14 37 04.1%	34.071	S	69.945	W	5	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	17	14 40 34.8?	32.70	N	48.72	E	33	N	4.3		1.5	25	WESTERN IRAN. MD 4.0 (RYD).
	17	15 30 51.6	43.351	N	0.570	W	5	G			1.2	9	PYRENEES. MD 2.4 (BTH). ML 2.3 (LDG).
	17	15 54 36.6%	37.289	N	29.064	E	10	G			0.5	5	TURKEY. MD 3.3 (ISK).
	17	17 21 35.0%	41.889	N	19.655	E	10	G			0.4	9	ALBANIA. ML 2.0 (TTG).
	17	17 25 16.2*	13.577	N	120.834	E	151	D	5.0		1.1	62	MINDORO, PHILIPPINE ISLANDS
	17	17 46 31.9%	40.726	N	22.737	E	5	G			0.1	5	GREECE. ML 1.6 (THE).
	17	17 49 14.4%	40.710	N	22.713	E	5	G			0.2	7	GREECE. ML 2.0 (THE).
	17	18 04 17.0&	61.810	N	148.454	W	7					31	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	17	18 33 54.9%	41.891	N	19.629	E	10	G			0.6	9	ALBANIA. ML 2.1 (TTG).
	17	19 00 55.9&	62.957	N	150.809	W	110		4.2			116	CENTRAL ALASKA. <AEIC>. Felt (III) at Skwentna.
	17	19 23 30.6*	43.915	N	147.245	E	33	N	4.1		1.0	19	KURIL ISLANDS
	17	19 42 48.0?	35.30	S	72.40	W	33	N			1.0	18	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	17	20 26 04.1	22.542	N	118.650	E	10	G	4.7		0.9	42	TAIWAN REGION
	17	21 03 17.0&	40.315	N	124.698	W	17					28	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.2 (GM). ML 3.0 (BRK).
	17	21 18 14.6%	39.424	N	28.194	E	10	G			0.3	10	TURKEY. MD 2.9 (ISK).
	17	21 53 46.3?	30.08	S	68.58	W	100	G			0.4	5	SAN JUAN PROVINCE, ARGENTINA
	17	22 13 28.7%	40.702	N	22.740	E	5	G			0.2	9	GREECE. ML 2.5 (THE).
	17	23 50 15.0%	40.420	N	20.423	E	10	G			0.4	8	GREECE-ALBANIA BORDER REGION. ML 2.6 (THE).
	18	00 14 42.9	22.943	N	99.482	E	33	N	4.8	4.5	1.4	91	MYANMAR-CHINA BORDER REGION
	18	01 32 57.3*	15.409	N	86.197	W	33	N	4.4		1.4	24	HONDURAS
	18	01 40 20.8*	40.703	N	142.464	E	53	D	4.6		1.1	55	NEAR EAST COAST OF HONSHU, JAPAN
	18	02 48 48.9?	31.58	S	69.25	W	120	G			1.1	8	SAN JUAN PROVINCE, ARGENTINA
	18	03 51 08.7*	51.598	N	6.628	E	5	G			1.6	7	GERMANY. ML 2.9 (UCC), 2.5 (DBN), 2.2 (BNS). Probably mining induced.
	18	04 44 29.0*	33.121	N	16.842	W	10	G	4.0		1.1	22	MADEIRA ISLANDS REGION. MD 4.4 (RBA). Felt (II) at Funchal.
	18	04 54 57.4	39.731	N	25.473	E	7				1.2	34	AEGEAN SEA. ML 3.6 (ATH), 3.5 (THE).
	18	05 15 57.0*	11.371	S	75.950	W	10	G			1.2	8	CENTRAL PERU. Felt (II) at Tarma.
	18	07 49 15.4?	39.17	N	27.57	E	10	G			1.2	4	TURKEY. MD 2.6 (ISK).
	18	07 49 47.6?	39.13	N	27.53	E	10	G			1.2	4	TURKEY. MD 2.7 (ISK).
	18	08 02 21.3?	15.53	N	93.50	W	118	?			1.9	6	NEAR COAST OF CHIAPAS, MEXICO
	18	08 23 04.9?	39.11	N	27.51	E	10	G			0.8	4	TURKEY. MD 2.6 (ISK).
	18	08 54 37.8?	39.11	N	27.56	E	10	G			1.1	4	TURKEY. MD 2.7 (ISK).

a	18	09	21	54.5	1.533	S	127.503	E	18	D	5.4	1.1	90	HALMAHERA, INDONESIA. Mw 5.3 (HRV).
	18	10	10	38.5*	39.919	N	29.323	E	10	G		0.8	5	TURKEY. MD 2.6 (ISK).
	18	10	18	28.7*	28.384	N	140.263	E	149	?	4.2	1.2	17	BONIN ISLANDS REGION
	18	11	18	00.5*	39.647	N	25.495	E	10	G		1.4	7	AEGEAN SEA. MD 3.2 (ATH).
	18	12	37	32.3	34.444	N	134.757	E	10	G	4.7	1.2	33	NEAR S. COAST OF WESTERN HONSHU. Felt (IV JMA) at Sumoto, Awaji-shima; (III JMA) at Kobe and Wakayama.
	18	12	42	03.4&	60.101	N	152.822	W	113				35	SOUTHERN ALASKA. <AEIC>.
	18	13	08	22.8?	36.65	N	8.06	W	10	G	3.3	1.0	4	WEST OF GIBRALTAR
	18	13	21	39.7?	28.96	N	34.57	E	20	G		0.6	6	EGYPT. MD 3.7 (RYD).
	18	13	22	45.2*	50.980	N	171.258	W	33	N	4.1	1.1	22	SOUTH OF ALEUTIAN ISLANDS
a	18	13	29	06.4	46.702	N	145.875	E	350	D	5.6	0.9	428	SEA OF OKHOTSK. Mw 5.5 (HRV). mb 5.5 (BRK).
	18	15	01	53.0?	31.88	S	71.87	W	33	N		0.5	11	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	18	15	46	46.1	39.187	N	16.488	E	10	G		1.1	24	SOUTHERN ITALY. MD 3.3 (ROM).
	18	16	36	45.7	36.891	N	21.829	E	33	N		0.9	17	SOUTHERN GREECE. MD 3.6 (ATH).
	18	18	19	28.0%	39.970	N	21.733	E	5	G		0.5	6	GREECE. ML 2.4 (THE).
	18	18	47	48.0	42.448	N	111.151	W	5	G		0.9	14	EASTERN IDAHO. ML 3.0 (GS).
	18	18	54	02.3*	25.496	N	125.278	E	17	D	4.7	1.0	23	SOUTHWESTERN RYUKYU ISLANDS
	18	19	28	36.7*	42.232	N	20.114	E	54	?		0.2	10	NORTHWESTERN BALKAN REGION
	18	19	54	48.1	38.881	N	25.885	E	12			0.6	40	AEGEAN SEA. MD 3.8 (ATH), 3.8 (ISK). ML 3.8 (THE).
	18	20	17	11.3&	38.778	N	119.709	W	2		3.6		85	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.9 (GM). ML 4.3 (BRK), 4.1 (GS). Mo=1.2*10**15 Nm (BRK). Felt (III) at South Lake Tahoe, California. Also felt at Yerington, Nevada.
	18	20	25	03.2	36.589	N	71.316	E	33	N	4.4	0.6	15	AFGHANISTAN-TAJIKISTAN BORD REG.
	18	20	55	57.4?	24.07	N	122.61	E	33	N	4.2 3.8	1.5	7	TAIWAN REGION
	18	21	45	29.8?	1.50	S	126.86	E	33	N	4.4	0.3	13	SOUTHERN MOLUCCA SEA
	18	22	40	08.8?	33.38	S	68.45	W	33	N		0.3	5	MENDOZA PROVINCE, ARGENTINA
	18	23	10	59.7*	18.450	S	173.858	W	33	N	5.2	0.8	43	TONGA ISLANDS
	18	23	54	26.4%	39.351	N	20.513	E	5	G		0.5	7	GREECE-ALBANIA BORDER REGION. ML 2.6 (THE).
a	19	00	17	45.1	5.244	N	126.265	E	76	G	6.1	1.1	338	MINDANAO, PHILIPPINE ISLANDS. Mw 5.9 (GS), 6.0 (HRV). Mo=2.5*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	19	00	32	20.2*	9.850	S	113.408	E	84	*	4.2	1.2	15	SOUTH OF JAWA, INDONESIA
	19	00	50	03.3%	39.197	N	29.412	E	10	G		0.8	5	TURKEY. MD 2.8 (ISK).
	19	01	06	29.1?	39.03	N	27.80	E	10	G		0.3	4	TURKEY. MD 2.7 (ISK).
	19	01	51	21.5&	59.227	N	152.325	W	85				47	SOUTHERN ALASKA. <AEIC>.
	19	02	23	52.2*	4.951	S	134.332	E	33	N	4.9	1.0	22	IRIAN JAYA REGION, INDONESIA
	19	02	27	30.0	3.093	N	128.260	E	105	*	5.1	1.1	70	NORTH OF HALMAHERA, INDONESIA
	19	02	45	23.9?	31.35	S	68.68	W	96	?		0.7	7	SAN JUAN PROVINCE, ARGENTINA
a	19	04	03	16.1	40.556	N	125.539	W	10	G	6.0 6.8	1.1	527	OFF COAST OF NORTHERN CALIFORNIA. Mw 6.4 (GS), 6.0 (HRV). MD 6.6 (GM). Mo=7.8*10**18 Nm (BRK), 7.0*10**18 Nm (PPT). Felt (V) at Arcata, Crescent City, Honeydew, Kneeland, Redway and Samoa; (IV) at Alderpoint, Blue Lake, Carlotta, Elk, Fort Bragg, Fortuna, Garberville, Loleta, Miranda, Myers Flat, Petrolia, Piercy, Redcrest, Rio Dell, Westport, Whitethorn and Zenia. Felt in Butte, Del Norte, Humboldt, Mendocino, Shasta and Siskiyou Counties of northern California and as far south as the San Francisco Bay area. Also felt at Brookings, Oregon. Complex event. Depth from synthetics of broadband displacement seismograms.
	19	04	19	01.3	40.430	N	125.893	W	10	G		0.6	28	OFF COAST OF NORTHERN CALIFORNIA. MD 3.3 (GM).
	19	04	23	31.5*	40.428	N	125.546	W	10	G		0.5	19	OFF COAST OF NORTHERN CALIFORNIA. MD 3.1 (GM).
	19	04	26	30.3?	40.34	N	125.35	W	10	G		1.0	24	OFF COAST OF NORTHERN CALIFORNIA. MD 3.2 (GM).
	19	04	31	39.9*	13.220	S	74.124	W	35	*	4.4	1.5	20	CENTRAL PERU. Felt (IV) at Ayacucho.
	19	04	34	21.5&	40.479	N	125.456	W	30				7	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.4 (GM).
	19	04	38	25.9%	42.581	N	18.999	E	10	G		0.5	6	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	19	04	45	50.4	43.131	N	146.833	E	33	N	5.8 5.8	0.9	387	KURIL ISLANDS
	19	04	54	04.3	46.375	N	8.720	E	10	G		1.1	11	SWITZERLAND. ML 2.6 (LDG).
	19	05	15	43.3?	39.54	N	28.27	E	10	G		1.0	4	TURKEY. MD 2.5 (ISK).
	19	05	16	33.8?	39.53	N	28.28	E	10	G		0.4	4	TURKEY. MD 2.6 (ISK).
	19	05	17	29.0*	44.333	N	153.192	E	33	N	4.3	1.6	26	EAST OF KURIL ISLANDS
	19	05	18	39.3?	39.59	N	28.31	E	10	G		1.1	4	TURKEY. MD 2.5 (ISK).
	19	05	18	52.1&	61.530	N	149.997	W	48				39	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 2.9 (PMR).
	19	05	34	46.0?	28.89	N	53.22	E	33	N	4.4	1.2	8	SOUTHERN IRAN. Felt at Firuzabad.
	19	05	36	51.1&	40.705	N	125.549	W	22				35	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.6 (BRK).
	19	05	50	52.1&	40.590	N	125.580	W	32				27	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.7 (GM). ML 3.6 (BRK).
	19	06	14	53.3	46.197	N	2.651	E	5	G		0.3	11	FRANCE. ML 1.9 (LDG), 1.5 (STR).
	19	06	49	26.4	1.440	S	127.528	E	33	N	4.7	1.1	26	HALMAHERA, INDONESIA
	19	07	02	25.5?	16.08	S	173.63	W	33	N	4.5	0.7	12	TONGA ISLANDS
	19	07	15	05.0?	5.62	S	153.73	E	33	N	3.9	1.4	11	NEW IRELAND REGION, P.N.G.
	19	07	56	02.4?	38.74	N	69.79	E	33	N	4.1	0.7	11	TAJIKISTAN
	19	08	08	26.9&	40.403	N	125.081	W	42				19	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM).
	19	08	13	24.8*	40.475	N	125.765	W	10	G		0.8	28	OFF COAST OF NORTHERN CALIFORNIA. MD 3.3 (GM).
	19	08	15	01.0&	61.791	N	148.422	W	6				40	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PMR).
	19	08	30	41.3?	30.68	S	179.31	W	33	N	4.6	1.1	11	KERMADEC ISLANDS REGION
	19	08	41	01.5*	32.234	S	70.213	W	100	G		1.0	13	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	19	09	16	12.4?	39.14	N	27.61	E	10	G		1.0	4	TURKEY. MD 2.8 (ISK).
	19	10	50	25.5?	38.66	N	21.98	E	60	G		0.4	5	GREECE
	19	11	20	36.3	49.062	N	153.978	E	33	N	4.5	0.9	49	KURIL ISLANDS
	19	11	54	23.0?	31.54	S	68.14	W	86	?		0.6	5	SAN JUAN PROVINCE, ARGENTINA
	19	11	56	54.8*	1.790	S	127.394	E	33	N	4.2	0.7	16	HALMAHERA, INDONESIA
	19	12	22	05.9%	40.714	N	22.714	E	5	G		0.2	7	GREECE. ML 2.0 (THE).
	19	12	55	32.2?	34.66	S	70.92	W	80	G		0.4	9	CHILE-ARGENTINA BORDER REGION
	19	12	57	06.0&	39.120	N	83.470	W	10	G			28	OHIO. <SLM-P>. MD 3.6 (SLM). mbLg 3.5 (GS), 3.6 (OTT). Felt (V) at Cynthiana; (IV) at Hillsboro and Seaman; (III) at Cherry Fork, Mowrystown and Winchester.
	19	13	05	26.2%	40.199	N	23.900	E	5	G		0.5	7	GREECE. ML 2.2 (THE).
	19	13	37	34.3?	31.19	S	68.82	W	100	G		0.6	6	SAN JUAN PROVINCE, ARGENTINA
	19	13	59	46.8	40.496	N	125.692	W	10	G		0.8	44	OFF COAST OF NORTHERN CALIFORNIA. ML 3.6 (GS), 3.7 (BRK). MD 3.5 (GM).

	19	14	04	59.7?	25.24	S	179.92	E	500	G	4.5	1.3	12	SOUTH OF FIJI ISLANDS
	19	15	47	58.2&	34.322	N	116.879	W	9				49	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.4 (GS). Felt in the epicentral area.
	19	16	12	26.2	35.893	N	141.549	E	33	N	4.6	0.8	40	NEAR EAST COAST OF HONSHU, JAPAN
	19	16	13	27.9?	1.51	S	127.69	E	33	N	3.9	0.8	7	HALMAHERA, INDONESIA
	19	16	19	09.9?	36.75	N	28.61	E	10	G		0.7	4	DODECANESE ISLANDS. MD 3.2 (ISK).
	19	16	22	19.4%	17.998	N	66.310	W	10	G		0.3	5	PUERTO RICO REGION. MD 2.2 (MPR).
	19	18	30	19.1?	17.82	S	178.45	W	600	G	4.4	1.3	20	FIJI ISLANDS REGION
	19	19	23	44.9	43.321	N	18.060	E	10	G		0.6	12	NORTHWESTERN BALKAN REGION. MD 3.1 (TTG).
	19	20	57	39.2	1.350	S	127.620	E	33	N	5.5	1.2	84	HALMAHERA, INDONESIA
	19	21	24	04.3*	16.117	S	166.376	E	33	N	4.1	1.1	9	VANUATU ISLANDS
	19	21	24	18.0&	34.049	N	118.915	W	16		3.7		72	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.3 (PAS), 4.3 (GS), 4.6 (BRK). Felt (IV) at Camarillo and Oxnard; (III) at Lakewood, Los Angeles, Moorpark and Torrance.
	19	21	34	48.2?	31.26	S	68.85	W	109	?		0.6	7	SAN JUAN PROVINCE, ARGENTINA
	19	21	48	09.4%	34.074	S	70.721	W	90	G		0.6	9	CHILE-ARGENTINA BORDER REGION
	19	21	48	14.7?	46.46	N	1.98	E	5	G		0.3	4	FRANCE. ML 1.5 (LDG).
	19	21	54	16.8*	58.649	N	147.306	E	33	N	4.2	0.8	28	EASTERN SIBERIA, RUSSIA
	19	22	01	30.5&	32.810	N	116.150	W	6				26	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS), 2.9 (GS). MD 2.8 (ECX).
	19	22	13	39.8	37.937	N	113.358	W	5	G		0.8	11	UTAH. ML 3.0 (GS).
	19	22	53	03.0&	71.740	N	75.240	W	18	G	4.1		8	BAFFIN ISLAND REGION, CANADA. <OTT-P>. mbLg 3.9 (OTT).
	19	22	54	53.3&	34.046	N	118.922	W	16				44	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS), 3.7 (GS). Felt.
	19	22	54	56.9?	44.82	N	15.15	E	10	G		0.8	5	NORTHWESTERN BALKAN REGION. MD 2.6 (LJU), 2.4 (TRI).
	19	23	38	28.9*	48.586	N	157.434	E	33	N	4.2	1.2	16	EAST OF KURIL ISLANDS
	20	00	13	43.0&	71.750	N	75.120	W	18	G	4.4		6	BAFFIN ISLAND REGION, CANADA. <OTT-P>. mbLg 3.8 (OTT).
	20	00	20	31.8?	42.81	N	2.20	E	10	G		1.0	4	PYRENEES. ML 2.5 (LDG), 1.9 (STR).
	20	00	25	04.2&	36.044	N	121.569	W	6				59	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
	20	00	41	38.7*	39.736	S	72.468	W	84	*	4.4	1.0	24	CENTRAL CHILE
	20	01	22	39.0&	40.693	N	125.615	W	17				55	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.6 (BRK), 3.4 (GS).
	20	01	42	10.2?	30.51	S	177.45	W	33	N	4.3	0.9	8	KERMADEC ISLANDS, NEW ZEALAND
	20	01	59	03.5*	52.969	N	2.112	W	5	G		1.6	34	UNITED KINGDOM. ML 3.3 (LDG). Felt (IV) at Stoke on Trent.
	20	02	02	07.6?	36.21	N	29.72	E	10	G		0.7	5	TURKEY. MD 3.5 (ISK).
	20	02	32	38.2	25.200	N	123.562	E	33	N	4.6	1.0	27	NORTHEAST OF TAIWAN
	20	02	44	25.5	24.069	N	121.876	E	33	N	4.2	0.7	24	TAIWAN
	20	02	50	10.0?	33.86	S	71.86	W	33	N		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
a	20	02	59	12.7	27.774	S	76.172	E	10	G	5.7 5.5	1.0	145	MID-INDIAN RIDGE. Mw 5.5 (HRV).
	20	03	04	17.7&	40.678	N	125.845	W	21				4	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
	20	03	40	37.5?	14.09	S	166.05	E	33	N	4.2	1.6	15	VANUATU ISLANDS
	20	03	50	37.8&	41.424	N	123.797	W	42				4	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
	20	04	09	08.2	42.075	N	2.719	E	5	G		0.8	17	PYRENEES. ML 3.1 (LDG), 3.0 (STR).
a	20	04	12	23.2	39.167	N	71.118	E	26	D	5.4	1.0	284	TAJIKISTAN. Mw 5.3 (HRV).
	20	04	37	27.0&	71.800	N	75.180	W	18	G	4.2		4	BAFFIN ISLAND REGION, CANADA. <OTT-P>. mbLg 4.0 (OTT).
	20	05	02	53.8*	7.569	N	126.720	E	33	N	4.4	0.7	18	MINDANAO, PHILIPPINE ISLANDS
a	20	05	57	37.1*	42.154	S	83.851	W	10	G	5.4 4.6	1.0	44	WEST CHILE RISE. Mw 5.2 (HRV).
	20	06	43	19.5*	31.445	S	68.031	W	33	N		1.1	7	SAN JUAN PROVINCE, ARGENTINA
	20	07	14	48.2&	62.109	N	150.872	W	58				50	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.0 (PMR).
	20	07	46	23.9*	43.479	N	147.084	E	33	N	4.2	0.6	15	KURIL ISLANDS
	20	07	48	08.0	42.941	N	17.303	E	10	G		1.4	109	ADRIATIC SEA. ML 4.3 (TIR), 4.2 (ZAG), 4.1 (VIE). MD 4.3 (TRI), 4.1 (TTG). Felt at Makarska, Metkovic and on Peljesac, Croatia.
a	20	08	07	34.2	41.073	N	72.451	E	39	D	5.0 4.5	1.0	156	KYRGYZSTAN. Mw 5.1 (HRV). Felt (III) at Bishkek.
	20	08	14	16.0?	61.84	N	157.55	W	33	N		1.4	7	SOUTHERN ALASKA. ML 3.4 (PMR).
	20	09	20	02.5*	7.801	S	126.685	E	123	*	5.1	1.0	37	BANDA SEA
	20	09	25	00.4?	18.20	N	66.87	W	5	G		0.0	4	PUERTO RICO REGION. MD 2.5 (MPR).
	20	09	44	42.1*	1.365	S	127.622	E	33	N	4.7	1.2	30	HALMAHERA, INDONESIA
	20	09	55	49.0%	44.537	N	6.872	E	5	G		0.3	5	FRANCE. ML 1.7 (GEN).
	20	10	13	49.1?	39.11	N	27.58	E	10	G		0.2	4	TURKEY. MD 2.7 (ISK).
	20	11	29	03.0%	40.091	N	21.932	E	10	G		1.5	5	GREECE. ML 1.8 (THE).
	20	11	35	56.3&	63.265	N	151.067	W	8		3.0		57	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC), 3.7 (PMR).
	20	11	46	29.1*	38.585	N	21.754	E	10	G		1.3	12	GREECE. MD 3.1 (ATH). ML 2.9 (THE).
	20	11	47	58.8	18.405	N	120.870	E	33	N	5.0	1.2	35	LUZON, PHILIPPINE ISLANDS
	20	12	00	38.8?	44.29	N	147.35	E	33	N	4.2	0.8	13	KURIL ISLANDS
	20	12	36	50.4&	40.700	N	125.631	W	21				2	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
	20	12	41	33.9&	39.717	N	123.994	W	8				31	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.2 (GM). ML 3.2 (GS), 3.0 (BRK).
	20	13	07	25.1	58.110	N	142.788	W	10	G		0.5	23	GULF OF ALASKA. ML 3.0 (AEIC).
	20	13	14	24.5&	63.048	N	150.371	W	102				53	CENTRAL ALASKA. <AEIC>.
	20	14	35	24.4	53.194	N	153.529	E	500	G	4.2	0.7	22	SEA OF OKHOTSK
	20	14	54	01.0&	60.941	N	151.518	W	64				42	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	20	15	11	47.0?	6.89	S	128.60	E	272	?	3.7	0.5	9	BANDA SEA
	20	15	53	09.3*	21.289	S	178.332	W	500	G	4.4	1.0	48	FIJI ISLANDS REGION
	20	15	58	52.3?	36.93	N	28.93	E	10	G		0.4	4	DODECANESE ISLANDS. MD 2.9 (ISK).
	20	16	11	45.6	43.714	N	147.710	E	33	N	4.4	1.0	50	KURIL ISLANDS
	20	16	49	11.0*	46.366	N	15.076	E	5	G		1.3	6	NORTHWESTERN BALKAN REGION. MD 3.1 (LJU).
	20	17	05	17.5&	59.425	N	153.476	W	94				29	SOUTHERN ALASKA. <AEIC>.
	20	18	02	48.5*	16.109	S	167.842	E	177	*	4.5	1.3	70	VANUATU ISLANDS
	20	18	23	57.4	37.904	N	135.671	E	345		4.4	0.6	35	SEA OF JAPAN
	20	19	26	01.4&	40.670	N	125.784	W	23				3	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
	20	19	50	46.2*	19.434	N	64.747	W	33	N	3.9	1.6	19	VIRGIN ISLANDS
	20	20	13	51.1	31.355	S	68.882	W	115	*		1.0	20	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN).
	20	20	18	47.2&	62.472	N	151.412	W	95				73	CENTRAL ALASKA. <AEIC>.
	20	20	19	27.8*	8.985	S	157.397	E	29	D	5.3	0.8	116	SOLOMON ISLANDS
	20	20	45	26.3?	12.22	S	166.15	E	33	N	4.0	1.4	13	SANTA CRUZ ISLANDS
	20	21	57	06.0%	39.827	N	24.158	E	10	G		0.5	9	AEGEAN SEA. ML 2.6 (THE).
a	20	22	02	40.0*	7.388	S	128.339	E	103		5.5	0.9	146	BANDA SEA. Mw 5.4 (HRV).
	20	23	49	07.7%	39.118	N	29.409	E	10	G		0.3	5	TURKEY. MD 2.6 (ISK).
	21	00	33	41.6?	40.53	N	27.70	E	10	G		0.7	5	TURKEY. MD 2.8 (ISK).
	21	00	38	43.5?	47.25	N	10.91	E	10	G		0.1	4	AUSTRIA. ML 1.2 (VIE).
	21	00	55	09.7?	37.85	N	27.13	E	10	G		1.2	7	TURKEY. MD 3.4 (ISK).

	21	00 57 45.6?	37.79	N	26.84	E	5	G			0.2	5	DODECANESE ISLANDS. MD 3.1 (ISK).
	21	01 24 12.9&	61.786	N	148.393	W	9					32	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	21	01 27 47.5?	31.28	S	68.62	W	100	G			0.3	5	SAN JUAN PROVINCE, ARGENTINA
a	21	02 09 50.9	46.012	N	151.527	E	32	G	5.8	5.9	0.8	527	KURIL ISLANDS. Mw 6.1 (GS), 6.2 (HRV). Ms 5.3 (BRK). Mo=2.4*10**18 Nm (PPT). Felt (III) at Kurilsk. Two events about 2.9 seconds apart. Depth from broadband displacement seismograms, based on first event.
	21	02 27 12.1?	36.81	N	29.09	E	10	G			0.3	4	TURKEY. MD 3.1 (ISK).
	21	02 38 56.6?	36.76	N	28.92	E	10	G			0.9	4	DODECANESE ISLANDS. MD 3.2 (ISK).
	21	02 55 40.6?	17.67	S	178.48	W	570	G	3.5		1.6	10	FIJI ISLANDS REGION
	21	03 30 37.9	44.388	N	6.435	E	23				0.6	17	FRANCE. ML 2.1 (GEN), 2.0 (STR), 1.9 (LDG).
	21	03 52 13.4*	38.717	N	21.604	E	10	G			0.6	11	GREECE. MD 3.2 (ATH). ML 3.1 (THE).
	21	03 56 31.8	36.089	N	27.635	E	46		4.0		0.9	52	DODECANESE ISLANDS. MD 4.2 (ATH), 4.0 (ISK).
	21	03 59 19.3	36.022	N	27.536	E	10	G	4.2		1.0	30	DODECANESE ISLANDS. ML 4.2 (ATH), 4.2 (CSS). MD 3.9 (ISK).
	21	04 00 51.9	32.169	S	71.939	W	33	N			0.7	18	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN).
	21	05 16 28.4&	40.702	N	22.753	E	5	G			0.3	8	GREECE. ML 1.8 (THE).
	21	05 24 49.2?	8.30	N	82.93	W	10	G			0.2	4	PANAMA-COSTA RICA BORDER REGION. MD 3.9 (UPA).
	21	05 25 11.2*	36.185	N	27.531	E	10	G			1.2	8	DODECANESE ISLANDS. MD 3.8 (ATH), 3.4 (ISK).
	21	06 00 25.9&	40.802	N	27.832	E	10	G			0.6	5	TURKEY. MD 2.8 (ISK).
	21	06 19 19.2*	6.139	S	150.791	E	26	D	4.3		1.0	24	NEW BRITAIN REGION, P.N.G.
	21	06 59 18.4&	31.302	S	68.624	W	10	G			1.4	5	SAN JUAN PROVINCE, ARGENTINA
	21	07 16 15.4?	31.18	S	68.49	W	111	?			1.0	8	SAN JUAN PROVINCE, ARGENTINA
	21	07 30 02.7&	44.583	N	7.043	E	5	G			0.3	6	NORTHERN ITALY. ML 2.2 (GEN).
	21	08 40 50.3	39.946	N	142.380	E	67	*	4.0		0.8	27	NEAR EAST COAST OF HONSHU, JAPAN
	21	08 56 02.7?	39.13	N	27.65	E	10	G			0.8	4	TURKEY. MD 2.7 (ISK).
	21	08 59 28.4?	35.16	S	70.90	W	110	G			0.1	10	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	21	09 07 20.4?	39.05	N	27.54	E	10	G			0.2	4	TURKEY. MD 2.7 (ISK).
	21	09 18 37.8&	59.825	N	151.713	W	49					32	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
	21	09 24 25.1?	16.06	N	61.19	W	10	G			0.7	4	LEEWARD ISLANDS. ML 2.1 (FDF).
	21	09 27 02.6*	32.461	S	68.708	W	33	N			1.2	8	MENDOZA PROVINCE, ARGENTINA
	21	10 08 29.1?	39.17	N	27.51	E	5	G			0.6	4	TURKEY. MD 2.7 (ISK).
	21	10 08 31.4	23.880	S	179.466	E	581		4.3		0.5	42	SOUTH OF FIJI ISLANDS
	21	10 27 47.1?	39.13	N	27.56	E	10	G			0.8	4	TURKEY. MD 2.6 (ISK).
	21	10 32 39.3&	39.301	N	27.654	E	10	G			0.5	5	TURKEY. MD 2.7 (ISK).
	21	10 47 43.4?	37.85	N	27.12	E	10	G			0.8	7	TURKEY. MD 3.5 (ISK).
	21	11 47 53.5*	63.228	N	27.123	E	10	G			0.7	5	FINLAND
	21	13 00 10.2&	39.081	N	27.402	E	5	G			0.4	5	TURKEY. MD 2.7 (ISK).
	21	13 08 28.4?	29.10	S	70.44	W	176	?			0.3	6	CENTRAL CHILE
	21	13 41 46.4&	40.219	N	29.255	E	10	G			0.6	10	TURKEY. MD 2.8 (ISK).
	21	13 46 11.1&	42.410	N	19.224	E	10	G			0.6	9	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
	21	13 49 40.5&	34.053	S	70.351	W	5	G			0.5	6	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	21	14 12 11.1	41.342	N	19.991	E	10	G			0.7	15	ALBANIA. ML 2.9 (TTG), 2.6 (TIR).
	21	14 13 54.4*	0.520	S	134.206	E	33	N	4.2		0.8	17	IRIAN JAYA REGION, INDONESIA
	21	14 40 56.4	5.814	S	153.341	E	33	N	4.4		1.0	22	NEW IRELAND REGION, P.N.G.
	21	14 48 01.7&	40.682	N	125.688	W	21					8	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
	21	15 14 49.8?	31.27	S	68.46	W	104	?			0.5	7	SAN JUAN PROVINCE, ARGENTINA
	21	15 20 41.8?	43.13	N	0.51	W	5	G			0.2	4	PYRENEES. ML 1.0 (STR).
	21	17 04 39.2&	40.758	N	123.886	W	24					25	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (BRK). Felt at Eureka.
	21	17 21 39.5	44.778	N	147.002	E	33	N	4.6		1.3	48	KURIL ISLANDS
	21	20 23 32.5?	38.58	N	27.33	E	10	G			0.1	4	TURKEY. MD 2.8 (ISK).
	21	20 44 13.7	35.899	N	21.807	E	60	*	3.9		0.9	22	CENTRAL MEDITERRANEAN SEA. MD 3.6 (ATH).
	21	21 06 00.6	43.802	N	147.872	E	33	N	5.0		0.8	152	KURIL ISLANDS
	21	21 26 53.8*	8.739	S	74.533	W	151	D	4.4		1.0	24	PERU-BRAZIL BORDER REGION
	21	21 50 16.0*	34.134	S	70.753	W	80	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	21	22 17 24.9?	40.28	N	29.50	E	10	G			1.6	4	TURKEY. MD 2.6 (ISK).
	21	23 15 24.4	53.028	N	2.204	W	10	G			0.2	9	UNITED KINGDOM. ML 2.2 (BGS). Felt (IV) in the Stoke on Trent area.
a	22	00 05 06.6	15.789	S	73.164	W	107	D	5.2		0.8	123	SOUTHERN PERU. Mw 5.4 (HRV). Felt (II) at Arequipa.
	22	00 17 25.3*	18.831	N	120.880	E	33	N	4.1		1.4	9	LUZON, PHILIPPINE ISLANDS
	22	00 20 55.3&	39.124	N	24.784	E	10	G			0.5	8	AEGEAN SEA
	22	00 27 33.3	38.367	N	21.993	E	5	G			0.8	6	GREECE. MD 2.8 (ATH).
	22	00 50 48.0&	40.643	N	125.812	W	21					12	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM).
	22	01 18 12.7	51.680	N	16.076	E	10	G			1.3	11	POLAND
	22	01 40 54.9*	31.529	S	69.388	W	120	G			0.7	8	SAN JUAN PROVINCE, ARGENTINA
	22	01 45 45.3&	60.121	N	151.961	W	69					85	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC), 3.6 (PMR).
	22	01 53 24.6?	34.46	S	70.37	W	110	G			0.3	9	CHILE-ARGENTINA BORDER REGION
	22	02 47 11.0?	30.96	S	68.95	W	116	?			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	22	02 53 32.2*	46.400	N	8.574	E	12	*			1.4	10	SWITZERLAND. ML 2.4 (LDG).
	22	03 04 08.9&	33.148	S	71.636	W	10	G			0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	22	04 11 29.3&	17.007	N	99.778	W	10	G			0.6	5	GUERRERO, MEXICO
	22	04 27 57.6&	34.146	N	116.429	W	3					33	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.1 (GS). Felt in the Yucca Valley area.
	22	05 42 51.7	29.751	N	68.508	E	33	N	4.2	4.1	1.1	24	PAKISTAN
	22	06 29 14.3	42.720	N	111.035	W	5	G			1.3	15	EASTERN IDAHO. ML 2.9 (GS). Felt (III) at Afton, Wyoming.
	22	06 29 48.3*	38.604	N	44.804	E	51	?	4.1		1.1	23	TURKEY-IRAN BORDER REGION
	22	06 33 03.5?	33.58	S	71.99	W	33	N			0.8	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	22	06 40 46.6?	31.39	S	68.92	W	129	?			0.9	7	SAN JUAN PROVINCE, ARGENTINA
	22	07 40 20.3&	61.600	N	149.967	W	39					46	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	22	07 51 31.6	52.976	N	2.287	W	10	G			0.4	12	UNITED KINGDOM. ML 2.3 (BGS). Felt (IV) in the Newcastle under Lyme area.
	22	08 15 23.5?	36.34	N	27.42	E	10	G			1.1	4	DODECANESE ISLANDS
	22	09 07 36.3?	31.96	S	68.94	W	70	?			0.8	5	SAN JUAN PROVINCE, ARGENTINA
	22	09 38 43.6?	36.09	N	25.91	E	10	G			0.5	5	DODECANESE ISLANDS
	22	10 07 53.8	9.757	S	125.013	E	33	N	5.2		1.1	25	TIMOR REGION, INDONESIA
	22	10 19 23.2	43.134	N	126.515	W	10	G	3.8		0.7	87	OFF COAST OF OREGON
	22	10 43 24.8	52.725	N	171.408	E	33	N	4.6		0.9	72	NEAR ISLANDS, ALEUTIAN ISLANDS
	22	10 50 47.7?	35.80	N	21.74	E	45	?	4.0		1.1	12	CENTRAL MEDITERRANEAN SEA
	22	10 53 55.1&	36.199	N	27.480	E	5	G			0.9	5	DODECANESE ISLANDS. MD 3.9 (ATH).
	22	11 11 41.5*	32.741	S	71.627	W	24	*			1.8	17	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).

	22	11	15	39.0%	11.103	N	60.873	W	10	G		0.4	6	WINDWARD ISLANDS. MD 2.5 (TRN).
	22	11	48	44.7%	33.173	S	70.350	W	5	G		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	22	13	33	45.1?	8.46	S	121.94	E	169	*	4.0	0.5	10	FLORES REGION, INDONESIA
	22	14	27	26.8?	41.33	N	21.39	E	33	N		1.2	4	NORTHWESTERN BALKAN REGION
	22	15	04	36.6?	41.75	N	21.94	E	5	G		1.3	6	NORTHWESTERN BALKAN REGION
	22	15	21	44.7?	36.28	N	28.00	E	10	G		0.4	4	DODECANESE ISLANDS. MD 3.9 (ATH).
	22	15	58	06.7?	23.84	S	176.10	W	160	G	4.2	1.2	11	SOUTH OF FIJI ISLANDS
	22	18	47	23.9	24.114	N	123.602	E	33	N	4.4	0.5	17	SOUTHWESTERN RYUKYU ISLANDS
	22	18	55	58.6	31.516	S	69.219	W	125	*		1.0	17	SAN JUAN PROVINCE, ARGENTINA. MD 4.5 (SAN).
	22	19	14	38.0?	19.51	N	65.50	W	40	G	3.4	0.3	6	PUERTO RICO REGION. MD 3.4 (MPR).
	22	19	32	02.1	10.220	N	126.039	E	65	*	4.9	0.9	67	PHILIPPINE ISLANDS REGION
	22	19	46	12.6?	5.84	S	147.07	E	82	?		0.8	5	EASTERN NEW GUINEA REG., P.N.G.
	22	21	15	03.0	53.039	N	2.206	W	10	G		0.4	15	UNITED KINGDOM. ML 2.3 (BGS). Felt (IV) in the Stoke on Trent area.
	22	21	47	50.9?	34.05	S	71.51	W	42	?		0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	23	01	43	05.5?	50.03	N	179.75	E	33	N	4.2	0.6	10	RAT ISLANDS, ALEUTIAN ISLANDS
a	23	01	50	53.6	1.506	S	127.434	E	40		5.3	1.1	87	HALMAHERA, INDONESIA. Mw 5.1 (HRV). Felt (II) at Ternate.
	23	02	14	10.7%	28.865	N	34.884	E	10	G		0.4	5	EGYPT. MD 2.8 (RYD).
	23	02	16	55.1?	12.54	N	122.44	E	40	?	4.5	0.2	5	LUZON, PHILIPPINE ISLANDS
	23	02	21	54.0&	48.560	N	123.460	W	28				13	VANCOUVER ISLAND REGION. <PGC-P>. ML 2.0 (PGC). Felt on the Saanich Peninsula and in the Victoria area.
	23	02	22	14.0?	42.27	N	7.27	E	10	G		0.2	5	WESTERN MEDITERRANEAN SEA. ML 2.1 (LDG).
	23	02	25	51.7&	36.070	N	117.852	W	2				10	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.8 (PAS).
	23	04	27	34.1?	5.37	N	126.79	E	33	N	3.9	0.8	6	MINDANAO, PHILIPPINE ISLANDS
a	23	05	01	22.5	39.748	N	143.661	E	9	G	5.6 5.9	1.0	364	OFF EAST COAST OF HONSHU, JAPAN. Mw 6.2 (GS), 6.2 (HRV). Ms 5.5 (BRK). Mo=2.4*10**18 Nm (PPT). Two events about 2 seconds apart. Depth from broadband displacement seismograms, based on second event.
a	23	05	19	01.9	24.137	N	121.614	E	41	D	5.9 6.2	1.0	438	TAIWAN. Mw 6.2 (HRV). Two people killed and 14 injured on a bus struck by a landslide in the epicentral region. Felt (IV JMA) at Hua-lien, Hsin-chu and Su-ao; (III JMA) at I-lan, Tai-chung and Tai-pei. Felt in Fujian, Jiangxi and Zhejiang Provinces, China.
a	23	05	27	39.8	39.788	N	143.572	E	33	N	5.5	1.2	206	OFF EAST COAST OF HONSHU, JAPAN. Mw 6.1 (HRV).
	23	06	07	16.3	39.817	N	143.530	E	33	N	4.1	1.1	27	OFF EAST COAST OF HONSHU, JAPAN
	23	06	21	00.0&	61.684	N	151.658	W	95				38	SOUTHERN ALASKA. <AEIC>.
	23	06	25	18.3?	31.02	S	68.48	W	120	G		1.1	7	SAN JUAN PROVINCE, ARGENTINA
	23	06	26	58.0?	39.74	N	143.60	E	38	?	3.7	0.9	12	OFF EAST COAST OF HONSHU, JAPAN
	23	06	38	25.0*	53.280	N	159.767	E	33	N	4.2	0.8	18	NEAR EAST COAST OF KAMCHATKA
	23	07	14	14.8&	36.658	N	121.280	W	6				34	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.7 (GS).
	23	07	55	21.2*	37.559	S	178.643	E	87	?	4.5	0.6	11	OFF E. COAST OF N. ISLAND, N.Z.
	23	08	39	08.3	24.298	N	122.158	E	33	N	4.4	0.9	15	TAIWAN REGION
	23	08	42	45.3*	54.612	N	19.690	E	10	G	4.0	0.9	6	POLAND
	23	09	32	13.0&	41.870	N	80.830	W	5	G			11	OHIO. <OTT-P>. mbLg 2.9 (OTT), 2.4 (GS). Felt in the Ashtabula area.
	23	11	04	18.5	50.936	N	6.112	E	10	G		0.4	9	GERMANY. ML 2.8 (UCC), 2.4 (BNS), 2.1 (DBN).
	23	11	12	26.9?	47.32	N	11.37	E	10	G		0.1	4	AUSTRIA. ML 0.8 (VIE).
	23	11	38	18.9	40.691	N	22.731	E	10	G		0.7	22	GREECE. MD 3.2 (ATH). ML 3.0 (SKO), 2.9 (THE).
	23	11	52	59.2%	42.156	N	19.539	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	23	12	13	56.7	39.328	N	20.231	E	11			1.1	45	GREECE-ALBANIA BORDER REGION. MD 3.6 (ATH). ML 3.7 (TIR), 3.6 (TTG).
	23	12	42	00.2?	28.92	N	34.61	E	10	G		0.4	4	EGYPT. MD 2.9 (RYD).
	23	13	52	56.2&	63.156	N	150.763	W	131				25	CENTRAL ALASKA. <AEIC>.
	23	14	59	54.8?	6.54	S	146.73	E	105	*	4.3	0.4	9	EASTERN NEW GUINEA REG., P.N.G.
	23	15	44	23.3	6.805	N	72.958	W	157	D	4.7	0.9	96	NORTHERN COLOMBIA. Felt at Bucaramanga, Sogamoso and Tunja.
	23	15	59	50.2&	58.522	N	153.805	W	70				30	KODIAK ISLAND REGION. <AEIC>.
	23	16	15	28.6?	14.89	S	174.46	W	33	N	4.2	1.1	14	SAMOA ISLANDS REGION
	23	16	32	11.3	39.744	N	143.319	E	33	N	4.8	1.1	36	OFF EAST COAST OF HONSHU, JAPAN
	23	16	36	28.8*	5.285	N	125.974	E	48	?	4.5	1.0	26	MINDANAO, PHILIPPINE ISLANDS
	23	17	29	18.5*	4.242	S	133.947	E	33	N	5.2	1.3	20	IRIAN JAYA REGION, INDONESIA
	23	18	26	43.6*	51.155	N	15.715	E	10	G		0.6	5	POLAND
	23	18	29	01.5	29.861	S	71.700	W	56		4.5	0.9	32	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN).
	23	19	50	21.6&	61.515	N	141.414	W	0				22	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.2 (PGC).
a	23	20	06	06.5	18.981	N	146.095	E	119	D	5.2	0.9	143	MARIANA ISLANDS. Mw 5.2 (HRV). mb 5.4 (BRK).
a	23	21	03	01.3	35.046	N	32.279	E	10	G	5.8 5.7	1.0	492	CYPRUS REGION. Mw 5.9 (GS), 5.9 (HRV). Ms 5.8 (BRK). Two people killed and five injured in the Paphos area. Fifty houses destroyed, 70 seriously damaged and 500 slightly damaged in the Paphos and Nicosia areas. Twenty masonry houses were destroyed at Arodhes. Felt (VII) at Arodhes, Peristerona and Polis; (VI) at Kathikas, Peyia and Stroumbi; (V) at Kykkou Monastery; (IV) at Larnaca, Limassol and Nicosia; (III) at Paralimni. Felt throughout Cyprus. Also felt in northern Israel and Lebanon.
	23	21	09	39.0?	39.26	N	20.24	E	5	G		0.8	8	GREECE-ALBANIA BORDER REGION
	23	21	10	36.4	35.123	N	32.329	E	10	G	4.7	1.1	75	CYPRUS REGION. ML 4.6 (JER), 4.5 (CSS). Felt (V) at Arodhes and Polis; (IV) at Paphos.
	23	21	15	12.0?	34.93	N	32.48	E	10	G		0.3	4	CYPRUS REGION. ML 3.3 (BHL), 3.2 (CSS). Felt (III) at Arodhes, Neo Chorio and Polis.
	23	21	20	28.4?	34.55	N	33.21	E	10	G		0.7	17	CYPRUS REGION. ML 3.2 (CSS), 3.2 (BHL). Felt (III) at Arodhes, Neo Chorio and Polis.
	23	21	21	53.1*	35.573	N	33.450	E	10	G	3.4	1.4	13	CYPRUS REGION. ML 3.1 (CSS). Felt (III) Arodhes, Neo Chorio and Polis.
	23	21	25	52.3	34.831	N	32.447	E	10	G		0.8	15	CYPRUS REGION. ML 2.7 (CSS).
	23	21	27	25.0&	40.413	N	125.276	W	15				29	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.2 (GS), 3.2 (BRK).
	23	21	40	31.2	35.043	N	32.314	E	10	G	5.3 4.4	1.0	321	CYPRUS REGION. ML 4.9 (JER), 4.8 (CSS). MD 4.7 (HLW). Felt (VI) at Arodhes and Polis; (V) at Paphos; (IV) at Troodos; (III) at Limasol and Nicosia.
	23	21	43	31.7*	34.951	N	32.490	E	10	G		0.3	7	CYPRUS REGION. ML 4.1 (CSS). Felt (IV) at Arodhes and Polis; (III) at Paphos.

a	23	21	51	31.6	1.675	S	127.249	E	10	G	5.4	1.2	65	HALMAHERA, INDONESIA. Mw 5.3 (HRV).
	23	21	59	21.4	34.980	N	32.407	E	10			0.9	34	CYPRUS REGION. ML 3.9 (CSS), 3.5 (BHL). Felt (IV) at Arodhes and Polis; (III) at Paphos.
	23	22	01	32.2%	33.809	S	70.670	W	100	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	23	22	11	01.7	34.775	N	32.445	E	10	G		0.5	11	CYPRUS REGION. ML 2.7 (CSS).
	23	22	12	35.5	35.201	N	32.304	E	10	G	3.8	1.0	32	CYPRUS REGION. ML 3.8 (CSS), 3.5 (BHL). Felt (IV) at Arodhes and Polis.
	23	22	23	47.1	34.957	N	32.480	E	10	G		0.6	14	CYPRUS REGION. ML 2.9 (CSS).
	23	22	30	32.6	35.114	N	32.325	E	10	G	4.0	0.8	32	CYPRUS REGION. ML 4.0 (ISK), 3.6 (CSS), 3.5 (BHL). Felt (IV) at Polis and (III) at Paphos.
	23	22	47	07.9*	35.036	N	32.193	E	33	N	3.5	1.0	31	CYPRUS REGION. ML 3.4 (BHL), 3.1 (CSS). Felt (III) at Arodhes and Polis.
	23	23	34	24.0	34.907	N	32.469	E	10	G		0.8	15	CYPRUS REGION. ML 2.4 (CSS).
	23	23	51	20.1	35.125	N	32.329	E	22		4.0	0.7	41	CYPRUS REGION. ML 4.0 (ISK), 3.6 (BHL), 3.6 (CSS). Felt (IV) at Polis; (III) at Paphos and Tala.
	24	00	08	32.0	34.986	N	32.533	E	10	G		1.3	27	CYPRUS REGION. ML 3.9 (ISK), 3.6 (BHL), 3.2 (CSS). Felt (III) at Polis.
	24	00	27	38.1	34.988	N	32.211	E	26		4.6	1.2	139	CYPRUS REGION. ML 4.6 (ISK), 4.5 (CSS), 4.4 (JER). MD 4.5 (HLW). Felt (V) at Polis and (IV) at Paphos.
	24	01	04	15.7%	40.696	N	22.769	E	5	G		0.6	6	GREECE. ML 1.5 (THE).
	24	01	32	05.5	35.149	N	32.277	E	10	G	3.7	0.8	31	CYPRUS REGION. ML 4.0 (ISK), 3.6 (BHL). Felt (III) at Polis.
	24	01	39	46.7&	40.496	N	125.806	W	4				45	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.5 (BRK).
	24	02	41	49.1?	35.53	N	31.67	E	10	G		0.6	22	CYPRUS REGION. ML 3.5 (BHL), 3.3 (CSS). Felt (III) at Arodhes and Polis.
	24	02	45	32.8*	6.502	S	148.073	E	55	*	4.4	1.3	10	NEW BRITAIN REGION, P.N.G.
	24	02	52	30.7	34.980	N	32.505	E	10	G		0.6	22	CYPRUS REGION. ML 3.9 (ISK), 3.5 (BHL), 3.3 (CSS). Felt (III) at Arodhes, Neo Chorio and Polis.
	24	03	37	56.0%	40.704	N	22.751	E	5	G		0.1	5	GREECE. ML 1.6 (THE).
	24	03	51	10.5?	32.49	S	70.72	W	80	G		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
a	24	04	55	38.2	10.828	S	165.611	E	27	D	5.0 4.6	0.9	64	SANTA CRUZ ISLANDS. Mw 5.2 (HRV).
	24	04	58	52.9%	40.707	N	22.754	E	5	G		0.2	8	GREECE. ML 2.0 (THE).
	24	05	22	59.6	41.284	N	142.200	E	33	N	4.5 4.2	1.1	31	HOKKAIDO, JAPAN REGION
	24	05	25	07.8&	61.579	N	141.405	W	0				29	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.0 (PGC).
	24	05	42	13.3	42.610	N	19.041	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).
	24	06	12	43.4	19.864	S	178.312	W	550	G	4.2	1.1	16	FIJI ISLANDS REGION
	24	06	24	06.7	8.109	S	105.720	E	39	D	5.1	0.9	89	SOUTH OF JAWA, INDONESIA
	24	06	53	05.2	10.808	S	165.512	E	25	D	4.8 4.7	0.9	52	SANTA CRUZ ISLANDS. Ms 4.7 (BRK).
	24	07	39	56.7?	18.25	N	145.35	E	465	?	3.6	0.9	9	MARIANA ISLANDS
	24	08	14	23.3	34.957	N	32.515	E	10	G		0.4	15	CYPRUS REGION. ML 3.5 (ISK).
	24	09	05	52.3	46.611	N	1.597	E	5	G		0.8	17	FRANCE. ML 3.1 (LDG).
	24	09	40	15.3?	17.91	S	178.79	W	644	?	3.9	0.8	13	FIJI ISLANDS REGION
	24	10	10	39.2%	39.483	N	24.121	E	10	G		0.5	8	AEGEAN SEA
	24	10	31	22.0	53.011	N	2.195	W	10	G		0.3	8	UNITED KINGDOM. ML 2.2 (BGS). Felt (IV) in the Stoke on Trent area.
	24	11	49	16.9*	35.087	N	32.334	E	10	G	3.3	1.5	13	CYPRUS REGION. ML 3.7 (ISK), 3.4 (BHL), 3.4 (CSS). Felt (III) at Arodhes and Polis.
	24	12	03	07.3%	40.691	N	22.737	E	5	G		0.3	7	GREECE. ML 2.1 (SKO), 1.9 (THE).
	24	12	08	23.0%	44.354	N	7.398	E	10	G		0.7	7	NORTHERN ITALY. ML 1.9 (GEN).
	24	12	41	02.6?	47.26	N	11.28	E	10	G		0.1	4	AUSTRIA. ML 0.7 (VIE).
	24	13	00	01.1*	31.438	N	130.943	E	33	N	4.3	0.6	8	KYUSHU, JAPAN
	24	13	10	05.1*	28.593	S	70.060	W	211	?		0.6	13	CENTRAL CHILE
	24	13	10	14.8%	42.598	N	19.035	E	10	G		0.2	6	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	24	13	38	00.6?	41.65	N	24.77	E	10	G		0.1	5	GREECE-BULGARIA BORDER REGION
	24	14	59	57.9%	44.493	N	7.452	E	5	G		0.1	6	NORTHERN ITALY. ML 1.8 (GEN).
	24	15	12	44.8*	6.924	S	147.531	E	56	*	3.5	1.1	10	EASTERN NEW GUINEA REG., P.N.G.
	24	15	27	18.7	51.213	N	98.155	E	30		4.5	1.0	38	RUSSIA-MONGOLIA BORDER REGION
	24	15	39	03.4	35.897	N	24.703	E	10	G	3.5	1.0	12	CRETE. MD 3.5 (ATH).
	24	16	44	07.5	8.834	S	110.778	E	94	?	5.0	0.8	21	JAWA, INDONESIA
	24	18	00	08.4	40.535	N	20.649	E	10	G	4.0	1.1	39	GREECE-ALBANIA BORDER REGION. ML 3.7 (TTG), 3.4 (THE), 3.4 (TIR).
	24	19	04	30.1?	1.84	S	129.87	E	33	N	4.3	1.1	8	HALMAHERA, INDONESIA
	24	19	43	48.0*	10.833	S	165.441	E	33	N	4.2	1.1	12	SANTA CRUZ ISLANDS
a	24	20	09	09.0	27.158	N	127.408	E	104		5.4	0.9	244	RYUKYU ISLANDS. Mw 5.1 (HRV).
	24	20	10	32.9%	44.501	N	7.435	E	10	G		0.3	10	NORTHERN ITALY. ML 2.2 (GEN).
	24	20	23	30.0	35.066	N	32.303	E	10	G		0.5	28	CYPRUS REGION. ML 3.9 (ISK), 3.5 (CSS). Felt (IV) at Polis and (III) at Paphos.
	24	20	46	10.1	34.937	N	32.499	E	10	G		0.7	17	CYPRUS REGION. ML 3.5 (ISK), 3.0 (CSS). Felt (III) at Polis.
	24	20	51	24.8	34.850	N	32.481	E	10	G		0.6	22	CYPRUS REGION. ML 3.6 (ISK), 3.0 (CSS). Felt (III) at Polis.
	24	21	08	28.5	68.141	N	18.340	W	10	G	4.3	1.2	42	ICELAND REGION
	24	21	17	59.0	38.397	N	21.978	E	5	G		0.7	13	GREECE. MD 3.1 (ATH). ML 3.1 (THE).
	24	21	39	24.3?	35.02	N	32.26	E	10	G		0.4	16	CYPRUS REGION. ML 3.4 (ISK).
	24	21	41	53.9*	35.125	N	31.944	E	10	G		0.8	26	CYPRUS REGION. ML 3.7 (ISK), 3.4 (CSS). Felt (IV) at Polis and (III) at Paphos.
	24	21	59	52.0	31.214	S	68.167	W	100	G		1.1	7	SAN JUAN PROVINCE, ARGENTINA
	24	22	02	47.6%	33.673	S	70.428	W	100	G		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	24	22	12	32.8%	46.650	N	1.527	E	5	G		0.9	10	FRANCE. ML 2.2 (LDG).
	24	22	13	21.8*	35.364	N	31.891	E	10	G		0.5	24	CYPRUS REGION. ML 3.7 (ISK), 3.2 (CSS), 3.2 (BHL). Felt (III) at Arodhes and Polis.
	24	22	33	24.1	44.437	N	7.303	E	12			0.5	23	NORTHERN ITALY. ML 2.7 (GEN), 2.5 (LDG).
	24	22	46	51.7&	62.297	N	150.929	W	68				50	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
	24	23	15	16.3?	31.03	S	69.90	W	143	?		0.6	9	SAN JUAN PROVINCE, ARGENTINA
	25	00	01	41.5	40.091	N	143.121	E	33	N	4.3	0.9	39	OFF EAST COAST OF HONSHU, JAPAN
	25	00	47	46.4	35.055	N	32.348	E	10	G	3.3	0.8	40	CYPRUS REGION. ML 3.8 (ISK). Felt (III) at Arodhes and Polis.
	25	00	53	45.3?	35.07	N	32.35	E	10	G		0.5	13	CYPRUS REGION. ML 3.2 (ISK).
	25	01	34	07.0*	39.978	N	8.559	W	10	G		1.2	6	PORTUGAL
	25	01	39	04.0*	48.962	S	121.284	E	10	G	4.4	1.1	17	SOUTH OF AUSTRALIA
	25	02	14	58.1	35.129	N	32.320	E	19		3.9	0.8	55	CYPRUS REGION. ML 4.0 (ISK), 3.7 (BHL), 3.7 (CSS). Felt (IV) at Arodhes and Polis; (III) at Paphos.

	25	02	45	23.5	40.800	N	27.774	E	10	G		0.9	17	TURKEY
	25	03	15	05.9	24.335	N	118.692	E	10	G	4.9 4.2	0.9	50	NEAR SOUTHEASTERN COAST OF CHINA
	25	03	33	55.8%	39.490	N	24.172	E	5	G		0.7	8	AEGEAN SEA. ML 3.1 (THE).
	25	04	14	06.4*	36.993	N	72.188	E	205	?	4.8	0.7	23	AFGHANISTAN-TAJIKISTAN BORD REG.
	25	04	16	51.8%	41.963	N	19.794	E	10	G		0.4	8	ALBANIA. ML 2.0 (TTG).
	25	04	57	26.8&	61.604	N	150.300	W	45				60	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
	25	05	06	33.0?	31.82	S	71.56	W	33	N		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
a	25	06	09	30.7	26.662	S	112.629	W	10	G	5.4 5.1	1.0	82	EASTER ISLAND REGION. Mw 5.6 (HRV). Ms 4.8 (BRK).
	25	06	11	36.3	32.705	S	71.429	W	45	?		0.5	12	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	25	06	12	56.9	31.362	S	68.668	W	113	?		0.8	6	SAN JUAN PROVINCE, ARGENTINA
	25	06	18	44.7?	43.40	N	146.56	E	33	N	4.6 4.7	1.1	9	KURIL ISLANDS
	25	06	20	40.1%	42.610	N	19.063	E	10	G		0.4	7	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
	25	06	34	49.3*	29.012	S	67.423	W	130	G		1.3	7	LA RIOJA PROVINCE, ARGENTINA
	25	07	40	11.9*	4.458	N	94.977	E	47	?	4.6 3.8	1.1	37	OFF W COAST OF NORTHERN SUMATERA
	25	07	43	47.1?	28.71	N	34.53	E	10	G		0.4	4	EGYPT. MD 2.3 (RYD).
	25	08	09	46.9*	51.632	N	7.712	E	10	G		0.6	6	GERMANY. ML 2.5 (MOX), 2.4 (DBN).
	25	09	41	52.9?	34.56	S	71.05	W	70	G		0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	25	09	42	23.8	39.880	N	77.525	E	33	N	4.8	0.9	83	SOUTHERN XINJIANG, CHINA
	25	09	50	31.9*	15.945	S	177.161	W	473	?	3.7	1.0	18	FIJI ISLANDS REGION
	25	09	55	38.1*	51.276	N	17.437	E	10	G		1.3	5	POLAND. ML 2.4 (MOX).
	25	10	08	58.8%	45.328	N	7.165	E	5	G		0.6	6	NORTHERN ITALY. ML 1.9 (GEN).
	25	10	35	22.7?	26.73	N	35.20	E	10	G		1.4	4	RED SEA. MD 2.9 (RYD).
	25	10	45	20.2%	43.939	N	7.684	E	5	G		0.6	6	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
	25	10	55	26.7	30.449	N	138.257	E	442	D	4.6	0.8	98	SOUTH OF HONSHU, JAPAN. mb 4.6 (BRK).
	25	11	05	32.3	36.536	N	71.004	E	183	*	4.7	1.0	41	AFGHANISTAN-TAJIKISTAN BORD REG.
	25	11	51	41.9*	27.796	S	76.017	E	10	G	4.7	1.1	30	MID-INDIAN RIDGE
	25	12	14	31.0	35.024	N	32.054	E	10	G		0.7	29	CYPRUS REGION. ML 3.9 (ISK), 3.6 (BHL), 3.5 (CSS). Felt (IV) at Polis and (III) at Paphos.
	25	12	29	43.3	51.659	N	16.136	E	16			1.0	30	POLAND. ML 4.0 (GRF), 3.8 (FUR), 3.7 (VIE), 3.6 (MOX).
	25	13	29	20.8*	34.834	S	70.200	W	10	G		0.6	8	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	25	13	52	28.4*	40.513	N	142.278	E	33	N	4.7	1.0	13	NEAR EAST COAST OF HONSHU, JAPAN
	25	14	38	12.0*	37.309	N	22.716	E	93	?		0.7	14	SOUTHERN GREECE
	25	14	47	59.6	18.952	N	145.091	E	602		4.7	0.8	125	MARIANA ISLANDS. mb 4.5 (BRK).
	25	15	44	42.8*	40.152	N	69.315	E	33	N	4.1	1.0	10	TAJIKISTAN
	25	15	53	08.8	14.081	N	91.282	W	46	D	4.7 4.3	1.1	123	GUATEMALA. Ms 4.2 (BRK).
	25	16	00	54.2*	1.386	N	127.307	E	166		4.6	0.5	14	HALMAHERA, INDONESIA
	25	16	14	12.3	43.228	N	146.747	E	56	D	5.0	0.8	176	KURIL ISLANDS. mb 4.8 (BRK).
	25	16	34	06.9&	32.844	N	118.307	W	6	G			26	OFF COAST OF CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 3.2 (GS).
	25	16	53	36.2&	60.014	N	152.060	W	65		4.3		69	SOUTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.5 (PMR).
	25	17	25	37.4	3.261	N	64.691	E	10	G	4.2	0.4	16	CARLSBERG RIDGE
	25	17	47	33.8*	35.528	S	78.344	E	10	G	4.8 4.4	1.0	20	MID-INDIAN RIDGE
	25	18	19	16.0%	10.626	N	61.070	W	24	?		0.6	7	TRINIDAD. MD 3.6 (TRN).
	25	18	37	50.4*	51.408	N	178.457	W	33	N	4.0	0.8	21	ANDREANOF ISLANDS, ALEUTIAN IS.
	25	18	50	49.4	46.907	N	135.763	E	33	N	4.8	1.3	18	NEAR SOUTHEAST COAST OF RUSSIA
	25	18	51	49.0?	5.08	S	150.88	E	237	*	4.0	0.8	9	NEW BRITAIN REGION, P.N.G.
	25	19	07	23.8?	31.21	S	68.92	W	112	?		0.5	7	SAN JUAN PROVINCE, ARGENTINA
	25	19	23	44.4*	31.327	S	68.277	W	103	?		0.7	7	SAN JUAN PROVINCE, ARGENTINA
	25	19	28	57.0	48.218	N	8.803	E	5	G		0.8	21	GERMANY. ML 3.1 (LDG), 2.7 (FUR).
	25	19	42	31.3*	3.025	N	64.945	E	10	G	4.4 4.5	0.8	11	CARLSBERG RIDGE
	25	20	09	28.7*	5.539	S	104.145	E	115	?	4.1	1.1	18	SOUTHERN SUMATERA, INDONESIA
	25	20	23	37.5?	34.01	N	137.05	E	356	*	3.4	0.8	8	NEAR S. COAST OF HONSHU, JAPAN
	25	20	28	58.0*	2.799	N	65.183	E	10	G	4.7 4.3	1.5	16	CARLSBERG RIDGE
	25	20	37	09.2*	3.152	N	64.971	E	10	G	4.4 4.5	0.9	13	CARLSBERG RIDGE
	25	20	56	17.8?	2.56	N	65.03	E	10	G	4.4	1.1	7	CARLSBERG RIDGE
	25	21	27	42.4?	14.47	N	93.03	W	70	*	4.0	1.1	15	NEAR COAST OF CHIAPAS, MEXICO
a	25	21	54	30.1	18.213	S	178.069	W	570	D	5.5	0.9	267	FIJI ISLANDS REGION. Mw 5.7 (HRV). mb 5.5 (BRK).
	25	22	21	59.2?	31.52	S	68.91	W	118	?		0.8	6	SAN JUAN PROVINCE, ARGENTINA
	25	22	55	57.3	11.287	N	139.175	E	51	*	4.6	0.5	23	WESTERN CAROLINE ISLANDS
	25	22	56	27.1*	2.942	N	64.934	E	10	G	5.1	1.1	22	CARLSBERG RIDGE
	25	23	22	31.1	35.075	N	4.675	W	10	G	3.0	1.0	22	STRAIT OF GIBRALTAR. mbLg 3.5 (MDD). MD 3.4 (RBA), 3.3 (SFS).
	25	23	25	30.2*	34.071	N	135.771	E	399	*	3.5	0.7	13	NEAR S. COAST OF WESTERN HONSHU
	26	00	17	33.0?	5.20	S	149.79	E	33	N	4.0	1.2	7	NEW BRITAIN REGION, P.N.G.
	26	00	30	58.3&	61.315	N	150.427	W	20				53	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	26	01	26	56.1?	52.78	N	169.86	W	33	N	3.9	1.2	7	FOX ISLANDS, ALEUTIAN ISLANDS
	26	02	02	37.5	21.534	N	144.519	E	33	N	4.6	1.0	21	MARIANA ISLANDS REGION
	26	02	12	22.6	43.217	N	147.533	E	33	N	4.7	0.8	73	KURIL ISLANDS
	26	02	14	47.2?	24.68	S	177.60	W	265	?	4.2	0.7	11	SOUTH OF FIJI ISLANDS
	26	03	37	39.0&	61.845	N	148.462	W	8				53	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
	26	04	23	48.1&	62.069	N	150.378	W	58				41	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	26	04	37	29.8	45.365	N	151.331	E	50	D	4.7	0.9	36	KURIL ISLANDS
	26	04	53	00.8	35.031	N	32.196	E	11		4.2	0.7	48	CYPRUS REGION. MD 4.2 (HLW).
	26	05	05	19.1	42.059	N	19.649	E	10	G		0.8	15	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG), 2.7 (TIR).
	26	05	24	50.2	46.921	N	150.477	E	222	?	3.8	1.0	32	KURIL ISLANDS
	26	08	00	37.2%	46.056	N	2.992	E	10	G		0.5	9	FRANCE. ML 1.9 (LDG).
	26	08	08	20.3	23.094	N	121.371	E	33	N	4.6 4.4	1.1	42	TAIWAN
	26	08	36	28.1	27.943	N	34.643	E	10	G		0.6	28	RED SEA. ML 4.6 (JER). MD 4.4 (RYD), 4.4 (HLW).
	26	09	18	07.4?	32.78	S	68.61	W	28	?		1.2	5	MENDOZA PROVINCE, ARGENTINA
	26	09	47	25.6&	62.905	N	150.764	W	102				62	CENTRAL ALASKA. <AEIC>.
	26	10	03	18.6?	31.17	S	68.66	W	103	?		0.5	7	SAN JUAN PROVINCE, ARGENTINA
	26	10	17	48.4	0.285	N	126.157	E	33	N	5.0	1.0	46	NORTHERN MOLUCCA SEA
	26	11	04	21.5?	33.28	S	72.94	W	10	G		0.6	9	OFF COAST OF CENTRAL CHILE
	26	11	33	28.0	38.326	N	43.093	E	33	N	4.0	1.2	17	TURKEY
	26	11	39	41.9	51.632	N	16.127	E	10	G		0.9	8	POLAND
	26	12	08	06.6?	26.95	S	112.77	W	10	G	4.7	0.9	27	EASTER ISLAND REGION
	26	12	35	38.6	44.190	N	6.548	E	5	G		0.5	27	FRANCE. ML 2.5 (LDG), 2.0 (STR).
a	26	15	03	43.3	1.290	N	97.883	E	53	D	5.2	0.9	118	NORTHERN SUMATERA, INDONESIA. Mw 5.4 (HRV).
	26	15	17	54.4	20.417	N	91.682	E	33	N	3.8	1.1	25	BAY OF BENGAL
	26	15	24	46.4&	59.432	N	146.548	W	5	G	4.2		68	GULF OF ALASKA. <AEIC>. ML 3.8 (AEIC), 4.1 (PMR).
	26	15	24	48.7&	40.277	N	123.573	W	30				25	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.0 (GS).
	26	16	08	31.4?	3.03	S	140.00	E	52	?	4.0	1.3	8	IRIAN JAYA, INDONESIA
	26	16	12	36.0?	18.42	N	66.86	W	33	N		0.3	6	PUERTO RICO REGION

	26	16	37	26.2?	31.78	S	69.61	W	138	?		0.2	6	SAN JUAN PROVINCE, ARGENTINA
	26	16	46	46.0*	7.011	S	129.721	E	169	?	4.2	1.1	12	BANDA SEA
	26	16	54	52.7*	42.910	N	0.768	W	10	G		1.1	10	PYRENEES. ML 2.3 (LDG).
	26	17	49	24.7?	40.28	N	20.78	E	10	G		1.5	5	GREECE-ALBANIA BORDER REGION
	26	18	13	52.2*	31.679	S	68.746	W	13	*		0.3	6	SAN JUAN PROVINCE, ARGENTINA
	26	19	18	32.3*	3.528	N	64.209	E	10	G	4.3	1.0	7	CARLSBERG RIDGE
	26	19	45	29.7*	17.916	S	175.857	W	218	*	4.0	1.1	20	TONGA ISLANDS
	26	20	02	13.5&	34.377	N	116.460	W	1				28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.0 (GS).
	26	20	10	57.0	37.786	N	20.972	E	5	G		1.1	12	IONIAN SEA. MD 3.3 (ATH). ML 3.2 (THE).
	26	20	22	40.0	44.307	N	12.175	E	17			0.9	37	NORTHERN ITALY. ML 3.6 (STR), 3.4 (LDG), 3.4 (VIE). MD 3.5 (TRI), 3.2 (FIR).
	26	21	07	52.8	17.458	N	145.593	E	188		4.5	0.8	67	MARIANA ISLANDS
	26	21	38	29.3?	31.54	S	68.94	W	118	?		0.5	7	SAN JUAN PROVINCE, ARGENTINA
	26	23	15	53.6	38.878	N	20.490	E	33	N	3.8	1.3	29	GREECE. ML 3.7 (ATH), 3.7 (THE), 3.6 (TIR).
	26	23	41	02.7?	38.26	N	22.06	E	10	G		0.5	7	GREECE. ML 2.7 (THE).
	27	00	09	58.0	84.603	N	103.986	E	10	G	4.1	0.8	15	NORTH OF SEVERNAYA ZEMLYA
	27	00	19	08.5*	37.524	N	71.840	E	33	N	4.4	0.7	15	AFGHANISTAN-TAJIKISTAN BORD REG.
	27	01	18	26.1	35.969	N	21.774	E	32		4.2	1.3	74	CENTRAL MEDITERRANEAN SEA. ML 4.2 (THE), 4.1 (ATH).
	27	02	28	26.2	41.955	N	23.068	E	5	G		0.9	17	GREECE-BULGARIA BORDER REGION. ML 2.9 (THE).
	27	03	46	36.5&	40.966	N	23.855	E	5	G		0.8	5	GREECE. ML 2.0 (THE).
	27	04	04	43.2	32.835	S	70.225	W	100	G		0.8	15	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	27	04	12	18.0	36.851	N	28.986	E	45		4.0	1.0	31	DODECANESE ISLANDS. MD 4.2 (ATH).
	27	04	28	05.6*	7.709	S	122.841	E	201	*	4.4	1.0	15	FLORES SEA
a	27	04	46	19.3	55.651	N	166.226	E	28	D	5.0 4.8	0.8	178	KOMANDORSKY ISLANDS REGION. Mw 5.0 (HRV).
	27	04	50	02.1&	39.958	N	22.756	E	33	N		0.6	7	GREECE. ML 1.4 (THE).
	27	04	50	49.4?	13.12	N	89.57	W	33	N		0.1	9	EL SALVADOR. MD 3.5 (SSS). Felt (III) at San Salvador.
	27	06	14	23.8?	42.48	N	1.06	E	10	G		0.1	4	PYRENEES. ML 1.9 (STR).
	27	06	23	56.5*	35.232	N	31.240	E	10	G	4.4	0.8	20	CYPRUS REGION. ML 4.1 (ISK), 3.8 (CSS), 3.7 (BHL). Felt (IV) at Polis and (III) at Paphos.
	27	07	16	36.1&	38.351	N	122.234	W	0				29	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.6 (GS).
	27	08	14	59.9*	29.445	S	18.594	E	5	G		1.2	10	REPUBLIC OF SOUTH AFRICA. ML 3.8 (PRE).
a	27	09	04	16.8	37.821	S	179.079	E	33	N	5.5	1.0	40	OFF E. COAST OF N. ISLAND, N.Z. Mw 5.2 (HRV).
	27	09	22	28.1&	28.762	N	34.904	E	10	G		0.7	5	EGYPT. MD 3.5 (RYD).
	27	09	26	52.2&	63.135	N	150.379	W	112				51	CENTRAL ALASKA. <AEIC>.
	27	09	54	10.9&	40.672	N	125.686	W	12		3.9		80	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.6 (GM). ML 3.8 (GS), 3.8 (BRK).
	27	10	00	20.4&	40.655	N	124.995	W	27				6	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM).
	27	12	22	44.8*	3.836	S	39.763	E	33	N	4.9	1.0	29	KENYA
a	27	12	27	55.2	7.282	S	128.387	E	131		5.5	0.9	186	BANDA SEA. Mw 5.3 (HRV).
	27	12	46	43.5	46.347	N	7.408	E	5	G		1.0	30	SWITZERLAND. ML 2.9 (LDG), 2.4 (STR).
	27	12	52	12.2&	40.535	N	23.504	E	10	G		0.2	5	GREECE
a	27	13	29	00.3	52.753	N	34.782	W	10	G	4.9 4.3	0.9	104	NORTH ATLANTIC OCEAN. Mw 5.1 (HRV).
	27	16	36	39.5&	34.052	N	116.435	W	3				30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.1 (GS). Felt.
	27	16	59	52.3&	60.255	N	152.270	W	88				93	SOUTHERN ALASKA. <AEIC>.
	27	17	06	57.9&	28.838	N	34.872	E	10	G		0.5	5	EGYPT. MD 3.2 (RYD).
	27	17	32	04.3	47.910	N	7.891	E	29			0.6	15	SWITZERLAND. ML 2.4 (LDG), 1.9 (STR).
	27	17	40	01.6	12.488	N	81.580	W	33	N	4.3	0.9	40	CARIBBEAN SEA. MD 4.6 (UPA).
	27	17	45	24.1&	48.192	N	0.519	W	5	G		0.4	5	FRANCE. ML 2.0 (LDG).
	27	18	53	06.8&	34.052	N	116.437	W	2				28	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.9 (GS). Felt.
	27	19	05	48.6&	39.504	N	24.183	E	10	G		0.6	8	AEGEAN SEA
a	27	19	07	05.6	52.744	N	34.778	W	10	G	5.0 4.5	0.9	141	NORTH ATLANTIC OCEAN. Mw 5.1 (HRV). Ms 4.6 (BRK).
	27	19	34	35.1	84.990	N	95.310	E	10	G	4.6	1.2	37	NORTH OF SEVERNAYA ZEMLYA
	27	19	43	21.1*	85.080	N	95.746	E	10	G	4.4 4.2	1.3	20	NORTH OF SEVERNAYA ZEMLYA
	27	19	44	17.5*	5.538	S	103.301	E	33	N	4.3	1.4	16	SOUTHERN SUMATERA, INDONESIA
	27	20	23	09.5	4.609	S	134.398	E	33	N	5.0	1.0	23	IRIAN JAYA REGION, INDONESIA
	27	20	35	02.3	12.894	N	88.140	W	71		4.4	1.0	29	OFF COAST OF CENTRAL AMERICA. MD 4.1 (SSS), 3.9 (UPA). Felt (III) at San Salvador, El Salvador.
	27	20	51	58.1*	11.906	N	86.775	W	56	*	4.6	1.0	28	NEAR COAST OF NICARAGUA
	27	20	58	36.9&	34.072	S	69.929	W	5	G		0.6	10	CHILE-ARGENTINA BORDER REGION
	27	22	46	55.2&	34.323	S	71.072	W	60	G		0.7	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	27	23	04	57.9*	36.938	N	29.040	E	10	G		1.5	5	TURKEY. MD 4.1 (ATH).
	27	23	04	58.0*	1.226	S	127.920	E	33	N	5.0	0.8	17	HALMAHERA, INDONESIA
	28	00	14	22.3	44.497	N	146.642	E	33	N	4.5	0.9	36	KURIL ISLANDS
a	28	00	21	45.3*	1.637	S	127.609	E	33	N	5.1 4.7	1.5	28	HALMAHERA, INDONESIA. Mw 5.3 (HRV).
	28	01	20	11.7&	60.148	N	152.227	W	63				46	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	28	01	25	07.0	34.018	S	70.051	W	5	G		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	28	02	57	34.3*	21.408	S	66.796	W	231		3.8	1.2	21	SOUTHERN BOLIVIA
	28	03	25	30.5*	33.636	S	70.348	W	95	?		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	28	03	59	43.8	43.206	N	0.136	E	5	G		0.8	27	FRANCE. ML 3.3 (LDG).
a	28	05	03	03.6	11.575	N	85.913	W	135	D	4.9	1.0	85	NICARAGUA. Mw 5.2 (HRV). MD 4.7 (SSS). Felt (II) at San Salvador, El Salvador.
	28	05	04	47.8	7.404	N	35.995	W	10	G	4.6	0.8	45	CENTRAL MID-ATLANTIC RIDGE
	28	05	52	32.4&	34.060	S	69.933	W	5	G		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	28	06	12	11.3	2.548	N	122.059	E	535	?	4.7	0.9	34	CELEBES SEA
	28	06	47	39.1?	14.43	N	94.43	W	10	G		0.5	5	OFF COAST OF CHIAPAS, MEXICO
	28	10	24	13.9	37.962	N	73.180	E	141	D	4.9	1.3	54	TAJIKISTAN
	28	11	08	06.0	39.954	N	21.346	E	10	G		0.8	8	GREECE
	28	11	10	01.6?	9.16	S	158.35	E	33	N	4.1	1.2	8	SOLOMON ISLANDS
	28	11	56	19.0	14.907	S	70.309	W	230	D	4.7	1.1	80	CENTRAL PERU
	28	12	32	03.0?	42.58	N	0.28	W	10	G		1.4	10	PYRENEES. ML 2.8 (LDG).
	28	12	36	20.8&	16.481	N	61.382	W	33	N		0.1	7	LEEWARD ISLANDS
	28	12	56	47.3	36.305	N	29.176	E	58		4.1	1.5	62	TURKEY. MD 4.5 (ATH).
	28	13	45	01.2	31.904	S	69.850	W	140	G		0.4	14	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
	28	14	40	43.2&	59.925	N	152.420	W	98				49	SOUTHERN ALASKA. <AEIC>.
	28	15	33	02.6*	30.111	S	60.872	E	10	G	4.3	0.3	8	SOUTHWEST INDIAN RIDGE
	28	19	40	27.0	40.311	N	127.604	W	10	G	4.1	1.0	74	OFF COAST OF NORTHERN CALIFORNIA. ML 4.1 (GS), 4.4 (BRK).
	28	19	40	58.2*	46.793	N	152.711	E	33	N	4.0	0.8	13	KURIL ISLANDS
	28	20	20	31.9&	34.436	S	70.308	W	5	G		0.5	9	CHILE-ARGENTINA BORDER REGION
a	28	21	12	09.3	6.976	N	81.860	W	21	D	5.2 5.5	0.9	102	SOUTH OF PANAMA. Mw 6.0 (HRV). Ms 5.4 (BRK). MD 5.3 (UPA). Felt (IV) at David and (III) at Changuinola and

										Santiago.
28	21 49 29.2%	10.874 N	62.032 W	60	G		0.3	7	NEAR COAST OF VENEZUELA. MD 3.3 (TRN).
28	21 50 59.1&	63.026 N	150.944 W	129				93	CENTRAL ALASKA. <AEIC>.
28	22 45 16.2*	18.818 N	145.780 E	156	*	4.1	0.6	17	MARIANA ISLANDS
28	23 09 46.8&	38.930 N	122.625 W	5		3.3		87	NORTHERN CALIFORNIA. <GM-P>. MD 4.0 (GM). ML 4.1 (GS), 4.0 (BRK). Mo=3.5*10**15 Nm (BRK). Felt (IV) at Clearlake, Clearlake Park and Lower Lake; (III) at Glenhaven. Felt throughout the southern part of Lake County.
28	23 24 45.8&	38.933 N	122.634 W	0				12	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.9 (GS).
28	23 29 22.5&	38.933 N	122.638 W	2				11	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (GS).
28	23 47 32.1&	38.935 N	122.636 W	1				9	NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).

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 14 26 44.63 42.423S 18.458W 10km
5.4mb (23 obs.) 5.1Msz (3 obs.)
SOUTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 39S, 56C
Centroid Location:
Origin Time 14:26:52.0 0.2
Lat 42.63S 0.03 Lon 17.96W 0.06
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.44	20	354
N	-0.56	18	91
P	-1.88	63	221

Best Double Couple:Mo=2.2*10**17
NP1:Strike= 56 Dip=30 Slip=-129
NP2: 279 67 -70

02 12 33 54.18 1.269S 127.530E 7km
5.6mb (43 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 30S, 54C
Centroid Location:
Origin Time 12:34: 1.2 0.4
Lat 1.12S 0.06 Lon 127.83E 0.04
Dep 15.0 BDY Half-duration 1.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.42	22	277
N	-0.06	12	182
P	-1.36	65	65

Best Double Couple:Mo=1.4*10**17
NP1:Strike= 29 Dip=26 Slip= -61
NP2: 177 68 -103

02 12 53 53.19 10.739N 42.559W 10km
5.6mb (126 obs.) 5.4Msz (56 obs.)
NORTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 63S,132C
Centroid Location:
Origin Time 12:53:59.2 0.1
Lat 10.91N 0.01 Lon 42.45W 0.01
Dep 15.0 BDY Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.80	9	227
N	0.24	74	351
P	-6.04	13	135

Best Double Couple:Mo=5.9*10**17
NP1:Strike=271 Dip=74 Slip=-177
NP2: 181 87 -16

02 19 50 47.95 6.234S 148.795E 58km
5.3mb (52 obs.) 5.9Msz (53 obs.)
NEW BRITAIN REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 74S,165C
Centroid Location:
Origin Time 19:50:53.9 0.1
Lat 6.54S 0.01 Lon 149.19E 0.01
Dep 22.3 0.8 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	8.97	71	16
N	0.97	6	267
P	-9.95	18	175

Best Double Couple:Mo=9.5*10**17
NP1:Strike=254 Dip=28 Slip= 76
NP2: 90 63 97

02 21 30 50.87 11.925S 165.974E 33km
4.7mb (10 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 19S, 21C
Centroid Location:
Origin Time 21:30:52.7 0.6
Lat 11.89S 0.13 Lon 165.81E 0.13
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.84	73	340
N	0.42	17	168
P	-9.27	2	78

Best Double Couple:Mo=9.1*10**16
NP1:Strike=151 Dip=45 Slip= 65
NP2: 4 50 113

03 02 31 35.24 62.711S 155.666E 10km
5.6mb (24 obs.) 6.3Msz (48 obs.)
BALLENY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=331 Dip=87 Slip= -1
NP2: 61 89 -177
Principal Axes:

	Plg=	Azm=
T	1	196
P	3	286

Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 18 No. of sta: 13
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	4.93	6	19
N	0.56	77	135
P	-5.49	12	288

Best Double Couple:Mo=5.2*10**18
NP1:Strike= 64 Dip=77 Slip=-176
NP2: 333 86 -13
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 72S,186C M.W.: 66S,154C
Centroid Location:
Origin Time 02:31:45.6 0.0
Lat 62.74S 0.01 Lon 155.18E 0.01
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	5.27	0	17
N	-0.08	81	109
P	-5.19	9	287

Best Double Couple:Mo=5.2*10**18
NP1:Strike= 62 Dip=83 Slip=-174
NP2: 332 84 -7

03 15 40 53.96 3.405S 135.607E 33km
5.6mb (53 obs.) 4.9Msz (24 obs.)
IRIAN JAYA REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 38S, 61C
Centroid Location:
Origin Time 15:40:58.0 0.5
Lat 3.47S 0.04 Lon 135.60E 0.05
Dep 33.2 3.0 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.96	78	203
N	-0.11	4	92
P	-7.85	11	2

Best Double Couple:Mo=7.9*10**16
NP1:Strike= 86 Dip=34 Slip= 83
NP2: 275 56 95

04 17 25 01.66 13.908S 66.082E 10km
5.0mb (44 obs.) 4.8Msz (8 obs.)
MID-INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 56S,100C
Centroid Location:
Origin Time 17:25: 8.3 0.2
Lat 13.60S 0.03 Lon 65.91E 0.02
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.21	1	282
N	-0.19	76	187
P	-2.02	14	13

Best Double Couple:Mo=2.1*10**17
NP1:Strike= 57 Dip=79 Slip= -9
NP2: 148 81 -169

05 20 37 10.95 6.809N 82.666W 12km
5.8mb (93 obs.) 5.4Msz (46 obs.)
SOUTH OF PANAMA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=180 Dip=88 Slip=-178
NP2: 90 88 -2
Principal Axes:

	Plg=	Azm=
T	0	135
P	3	45

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: 6 Focal mech. F
Energy 5.6±1.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 25 No. of sta: 22
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.12	14	307
N	-0.03	71	170
P	-1.10	12	40

Best Double Couple:Mo=1.1*10**18
NP1:Strike= 84 Dip=71 Slip= 1
NP2: 354 89 161
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 73S,163C
Centroid Location:
Origin Time 20:37:16.2 0.1
Lat 6.69N 0.01 Lon 82.64W 0.01
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.11	10	308
N	-0.05	80	120
P	-1.06	1	218

Best Double Couple:Mo=1.1*10**18
NP1:Strike=352 Dip=82 Slip= 174
NP2: 83 84 8

05 22 51 05.14 37.759S 178.752E 21km
6.5mb (61 obs.) 7.5Msz (48 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=210 Dip=62 Slip=-126
NP2: 87 44 -42
Principal Axes:

	Plg=	Azm=
T	10	325
P	57	71

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a large strike-slip component. The preferred

fault plane is not
determined.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 1.1±0.2*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 33
Principal Axes:
Scale 10**19 Nm
T Val= 3.19 Plg=16 Azm=327
N -0.16 19 231
P -3.03 64 95
Best Double Couple:Mo=3.1*10**19
NP1:Strike= 84 Dip=33 Slip= -53
NP2: 222 64 -111
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 79S,219C
Centroid Location:
Origin Time 22:51:13.3 0.1
Lat 37.61S 0.01 Lon 179.40E 0.01
Dep 15.0 FIX Half-duration 9.0
Principal Axes:
Scale 10**19 Nm
T Val= 6.30 Plg=13 Azm=305
N -0.91 0 215
P -5.39 77 124
Best Double Couple:Mo=5.8*10**19
NP1:Strike= 35 Dip=32 Slip= -90
NP2: 215 58 -90

06 10 19 52.66 37.852S 178.814E 33km
5.6mb (18 obs.) 5.5Msz (29 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 46S, 96C
Centroid Location:
Origin Time 10:19:55.9 0.2
Lat 37.65S 0.03 Lon 179.20E 0.03
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.41 Plg=24 Azm=310
N -0.16 5 42
P -3.25 66 144
Best Double Couple:Mo=3.3*10**17
NP1:Strike= 29 Dip=22 Slip=-105
NP2: 224 69 -84

06 10 43 57.17 37.825S 178.844E 33km
5.7mb (25 obs.) 5.8Msz (26 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 57S,124C
Centroid Location:
Origin Time 10:44: 1.4 0.1
Lat 37.73S 0.02 Lon 179.33E 0.03
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 9.59 Plg= 9 Azm=122
N -1.82 7 213
P -7.77 79 339
Best Double Couple:Mo=8.7*10**17
NP1:Strike=204 Dip=36 Slip=-101
NP2: 38 55 -82

06 11 23 03.78 37.952S 178.733E 33km
5.3mb (12 obs.) 5.0Msz (1 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 49S, 96C
Centroid Location:
Origin Time 11:23: 7.2 0.3
Lat 37.70S 0.04 Lon 179.24E 0.05
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.95 Plg=24 Azm=300
N -0.56 9 206
P -6.39 64 96
Best Double Couple:Mo=6.7*10**17
NP1:Strike= 48 Dip=23 Slip= -66
NP2: 202 69 -100

06 13 51 34.76 41.182N 142.167E 61km
5.6mb (117 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 58S,117C
Centroid Location:
Origin Time 13:51:37.6 0.2
Lat 41.15N 0.02 Lon 142.41E 0.02
Dep 48.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.54 Plg=65 Azm=300
N 0.04 4 201
P -3.58 24 110
Best Double Couple:Mo=3.6*10**17
NP1:Strike=191 Dip=21 Slip= 79
NP2: 23 69 94

06 15 19 28.42 37.811S 178.816E 33km
5.5mb (28 obs.) 5.3Msz (32 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 52S,106C
Centroid Location:
Origin Time 15:19:31.9 0.2
Lat 37.66S 0.03 Lon 179.36E 0.03
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 2.88 Plg= 5 Azm=125
N -0.26 30 218
P -2.62 59 26
Best Double Couple:Mo=2.8*10**17
NP1:Strike=186 Dip=48 Slip=-133
NP2: 61 57 -53

07 02 56 18.06 37.956S 178.736E 33km
4.7mb (5 obs.) 4.8Msz (1 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 30S, 43C
Centroid Location:
Origin Time 02:56:19.4 0.6
Lat 37.64S 0.07 Lon 179.18E 0.09
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.77 Plg=24 Azm=316
N -0.31 3 47
P -7.46 66 144
Best Double Couple:Mo=7.6*10**16
NP1:Strike= 40 Dip=21 Slip= -98
NP2: 229 69 -87

08 13 37 12.08 2.006S 125.747E 38km
5.1mb (23 obs.) 4.3Msz (2 obs.)
CERAM SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 20S, 25C
Centroid Location:
Origin Time 13:37:12.3 0.8
Lat 2.25S 0.09 Lon 125.76E 0.09
Dep 27.3 7.4 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 4.20 Plg=68 Azm=150
N -0.05 22 326
P -4.15 1 57
Best Double Couple:Mo=4.2*10**16
NP1:Strike=167 Dip=48 Slip= 120
NP2: 307 50 61

08 17 20 24.87 37.702S 178.407E 33km
4.6mb (6 obs.) 5.0Msz (1 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 20S, 36C
Centroid Location:
Origin Time 17:20:23.6 0.6
Lat 37.03S 0.07 Lon 179.31E 0.07
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.42 Plg=16 Azm=282
N -0.47 2 12
P -6.95 74 110
Best Double Couple:Mo=7.2*10**16
NP1:Strike= 8 Dip=29 Slip= -95
NP2: 194 61 -87

08 18 40 25.38 4.104N 76.622W 74km
6.3mb (147 obs.)
COLOMBIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=75 Slip= -90
NP2: 205 15 -90
Principal Axes:
T Plg=30 Azm=115
P 60 295
Comment: The focal mechanism is
moderately well controlled
and corresponds to normal
faulting. The preferred fault
plane is not determined.
RADIATED ENERGY
No. of sta: 24 Focal mech. F
Energy 6.8±1.1*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 78 No. of sta: 44
Principal Axes:
Scale 10**18 Nm
T Val= 4.25 Plg=20 Azm=125
N -0.07 2 34
P -4.18 70 297
Best Double Couple:Mo=4.2*10**18
NP1:Strike=219 Dip=25 Slip= -84
NP2: 33 65 -93
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 81S,207C M.W.: 66S,114C
Centroid Location:
Origin Time 18:40:30.9 0.1
Lat 4.09N 0.01 Lon 76.36W 0.01
Dep 68.2 0.4 Half-duration 3.9
Principal Axes:
Scale 10**18 Nm
T Val= 4.12 Plg=24 Azm=120
N -0.07 0 30
P -4.05 66 300
Best Double Couple:Mo=4.1*10**18
NP1:Strike=210 Dip=21 Slip= -90
NP2: 30 69 -90

09 09 43 50.39 25.574S 177.198W 112km
5.0mb (19 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 38S, 56C
Centroid Location:
Origin Time 09:43:55.3 0.4
Lat 25.35S 0.05 Lon 176.99W 0.04
Dep 116.0 2.3 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.25 Plg=40 Azm= 88
N -0.03 0 178
P -8.22 50 268
Best Double Couple:Mo=8.2*10**16
NP1:Strike=176 Dip= 5 Slip= -92
NP2: 358 85 -90

09 10 56 42.83 37.969S 178.591E 33km
5.2mb (8 obs.) 5.3Msz (3 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 43S, 88C
Centroid Location:
Origin Time 10:56:45.7 0.3
Lat 37.89S 0.04 Lon 179.16E 0.05
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 4.48 Plg=31 Azm=293
N -0.10 9 197
P -4.38 58 93
Best Double Couple:Mo=4.4*10**17
NP1:Strike= 50 Dip=16 Slip= -56
NP2: 195 77 -99

09 12 53 59.26 38.039S 178.561E 33km
4.8mb (5 obs.) 4.4Msz (2 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 39S, 64C
Centroid Location:
Origin Time 12:54: 1.0 0.3
Lat 37.86S 0.05 Lon 179.28E 0.06
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 10.75 Plg=16 Azm=299
N -1.23 5 31
P -9.52 73 136

Best Double Couple:Mo=1.0*10**17
NP1:Strike= 22 Dip=29 Slip= -99
NP2: 213 61 -85

10 00 31 33.44 29.639S 112.002W 10km
5.0mb (28 obs.) 5.4Msz (8 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 60S,108C
Centroid Location:
Origin Time 00:31:40.2 0.2
Lat 30.00S 0.02 Lon 112.27W 0.02
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.70 Plg= 2 Azm=106
N -0.32 80 210
P -2.38 10 16
Best Double Couple:Mo=2.5*10**17
NP1:Strike=151 Dip=81 Slip=-175
NP2: 60 85 -9

10 01 45 03.91 37.855S 178.602E 28km
5.8mb (40 obs.) 6.4Msz (47 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
RADIATED ENERGY
No. of sta: 4 Focal mech. M
Energy 1.4±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 22 No. of sta: 29
Principal Axes:
Scale 10**18 Nm
T Val= 4.00 Plg= 8 Azm=309
N -0.68 2 40
P -3.32 81 145
Best Double Couple:Mo=3.7*10**18
NP1:Strike= 36 Dip=37 Slip= -94
NP2: 221 53 -87
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 75S,194C M.W.: 62S,144C
Centroid Location:
Origin Time 01:45:10.5 0.1
Lat 37.89S 0.01 Lon 179.17E 0.01
Dep 15.0 FIX Half-duration 4.6
Principal Axes:
Scale 10**18 Nm
T Val= 6.13 Plg= 5 Azm=121
N -0.12 8 31
P -6.01 81 241
Best Double Couple:Mo=6.1*10**18
NP1:Strike=220 Dip=41 Slip= -78
NP2: 24 50 -100

10 18 03 24.95 11.872S 166.508E 137km
5.1mb (31 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 42S, 50C
Centroid Location:
Origin Time 18:03:26.8 0.5
Lat 12.16S 0.04 Lon 166.27E 0.04
Dep 136.3 1.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.97 Plg=85 Azm=115
N -0.76 5 323
P -6.20 3 233
Best Double Couple:Mo=6.6*10**16
NP1:Strike=318 Dip=43 Slip= 83
NP2: 148 48 97

10 20 26 58.12 19.942S 68.761W 118km
5.5mb (90 obs.)
CHILE-BOLIVIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 63S,112C
Centroid Location:
Origin Time 20:27: 4.2 0.2
Lat 19.98S 0.02 Lon 69.01W 0.02
Dep 130.6 0.9 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.95 Plg=32 Azm= 75
N 0.10 13 174
P -3.04 55 283
Best Double Couple:Mo=3.0*10**17
NP1:Strike=127 Dip=18 Slip=-138
NP2: 356 78 -76

10 22 34 32.07 15.658N 119.624E 54km
5.1mb (52 obs.) 5.2Msz (3 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 14S, 23C
Centroid Location:
Origin Time 22:34:34.4 0.7
Lat 15.99N 0.06 Lon 119.18E 0.10
Dep 44.5 6.9 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.51 Plg=62 Azm=266
N 0.14 27 69
P -6.65 7 163
Best Double Couple:Mo=6.6*10**16
NP1:Strike=280 Dip=45 Slip= 129
NP2: 50 57 58

10 22 35 33.98 10.662S 165.153E 36km
5.5mb (47 obs.) 5.5Msz (40 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 55S, 95C
Centroid Location:
Origin Time 22:35:39.9 0.2
Lat 10.34S 0.03 Lon 165.05E 0.02
Dep 44.8 2.4 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.63 Plg= 6 Azm=133
N 0.20 63 32
P -2.83 27 226
Best Double Couple:Mo=2.7*10**17
NP1:Strike=266 Dip=67 Slip= -16
NP2: 2 75 -156

11 22 45 33.03 12.591N 81.576W 11km
5.3mb (81 obs.) 5.2Msz (44 obs.)
CARIBBEAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 67S,112C
Centroid Location:
Origin Time 22:45:36.9 0.2
Lat 12.45N 0.02 Lon 81.35W 0.02
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 4.01 Plg= 4 Azm=287
N -0.34 34 195
P -3.67 55 22
Best Double Couple:Mo=3.8*10**17
NP1:Strike= 48 Dip=51 Slip= -43
NP2: 169 58 -132

12 01 02 07.24 5.762S 76.109W 22km
5.7mb (115 obs.) 5.1Msz (38 obs.)
NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 71S,117C
Centroid Location:
Origin Time 01:02:11.8 0.2
Lat 5.76S 0.02 Lon 75.97W 0.02
Dep 16.0 BDY Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.75 Plg=85 Azm=249
N -0.25 4 118
P -2.50 4 28
Best Double Couple:Mo=2.6*10**17
NP1:Strike=114 Dip=41 Slip= 84
NP2: 301 49 95

12 02 44 27.82 37.848S 178.937E 22km
5.1mb (13 obs.) 5.0Msz (3 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 42S, 72C
Centroid Location:
Origin Time 02:44:30.5 0.3
Lat 37.76S 0.05 Lon 179.49E 0.06
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 15.28 Plg=29 Azm=309
N -0.23 4 41
P -15.05 61 137
Best Double Couple:Mo=1.5*10**17
NP1:Strike= 28 Dip=16 Slip=-103
NP2: 222 74 -86

12 07 11 01.17 22.149S 170.320E 33km
4.9mb (12 obs.) 4.6Msz (2 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 28S, 41C
Centroid Location:
Origin Time 07:11: 5.1 0.8
Lat 21.89S 0.08 Lon 170.54E 0.07
Dep 28.3 5.0 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 8.83 Plg=13 Azm=319
N -1.90 74 104
P -6.93 9 227
Best Double Couple:Mo=7.9*10**16
NP1:Strike= 3 Dip=74 Slip= 177
NP2: 94 87 16

12 08 37 20.21 49.190S 127.349E 10km
5.4mb (10 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 45S, 69C
Centroid Location:
Origin Time 08:37:26.6 0.2
Lat 49.09S 0.03 Lon 127.24E 0.05
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.56 Plg= 4 Azm=233
N -0.09 80 123
P -1.47 9 324
Best Double Couple:Mo=1.5*10**17
NP1:Strike= 8 Dip=81 Slip= -4
NP2: 99 86 -171

12 20 13 37.22 59.436N 153.127W 111km
5.5mb (133 obs.)
SOUTHERN ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 66S,131C
Centroid Location:
Origin Time 20:13:39.4 0.2
Lat 59.37N 0.01 Lon 153.06W 0.04
Dep 120.8 0.9 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.12 Plg=35 Azm=285
N -0.18 49 69
P -2.94 18 182
Best Double Couple:Mo=3.0*10**17
NP1:Strike=318 Dip=51 Slip= 167
NP2: 56 80 39

13 00 11 47.06 37.621S 178.629E 28km
5.7mb (22 obs.) 6.2Msz (40 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
MOMENT TENSOR SOLUTION
Dep 27 No. of sta: 6
Principal Axes:
Scale 10**17 Nm
T Val= 9.27 Plg=31 Azm=226
N 0.00 58 63
P -9.27 7 321
Best Double Couple:Mo=9.3*10**17
NP1:Strike= 8 Dip=63 Slip= 18
NP2: 270 74 151
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 75S,174C M.W.: 41S, 63C
Centroid Location:
Origin Time 00:11:49.9 0.1
Lat 37.08S 0.01 Lon 179.08E 0.02
Dep 21.2 1.1 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 10.17 Plg=36 Azm=250
N -1.17 51 43
P -9.00 13 150
Best Double Couple:Mo=9.6*10**17
NP1:Strike=284 Dip=54 Slip= 162
NP2: 25 75 37

13 08 41 14.26 1.332S 127.512E 22km
5.8mb (59 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN

L.P.B.: 40S, 80C
Centroid Location:
Origin Time 08:41:17.2 0.3
Lat 1.46S 0.05 Lon 127.72E 0.05
Dep 25.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 11.57 Plg=20 Azm=308
N -4.35 32 51
P -7.22 51 192
Best Double Couple:Mo=9.4*10**17
NP1:Strike=358 Dip=38 Slip=-149
NP2: 243 72 -57

13 08 43 37.25 1.278S 127.444E 14km
6.2mb (60 obs.) 6.1Msz (39 obs.)
HALMAHERA, INDONESIA
RADIATED ENERGY
No. of sta: 10 Focal mech. M
Energy 1.8±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 5 No. of sta: 20
Principal Axes:
Scale 10**18 Nm
T Val= 2.87 Plg=22 Azm=100
N -0.09 25 200
P -2.77 56 333
Best Double Couple:Mo=2.8*10**18
NP1:Strike=152 Dip=32 Slip=-142
NP2: 29 71 -64
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 71S,177C M.W.: 50S,103C
Centroid Location:
Origin Time 08:43:44.5 0.1
Lat 1.40S 0.01 Lon 127.64E 0.01
Dep 15.0 BDY Half-duration 3.4
Principal Axes:
Scale 10**18 Nm
T Val= 3.02 Plg=19 Azm=301
N -0.50 7 33
P -2.52 69 142
Best Double Couple:Mo=2.8*10**18
NP1:Strike= 19 Dip=26 Slip=-105
NP2: 216 65 -83

13 12 29 53.08 1.310S 127.429E 17km
6.0mb (65 obs.) 5.9Msz (46 obs.)
HALMAHERA, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 28 Dip=60 Slip= -90
NP2: 208 30 -90
Principal Axes:
T Plg=15 Azm=118
P 75 298
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 15 Focal mech. F
Energy 1.1±0.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 3 No. of sta: 22
Principal Axes:
Scale 10**18 Nm
T Val= 3.65 Plg=29 Azm=108
N -0.07 12 205
P -3.58 58 315
Best Double Couple:Mo=3.6*10**18
NP1:Strike=168 Dip=20 Slip=-128
NP2: 28 75 -78
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 75S,179C
Centroid Location:
Origin Time 12:29:59.9 0.1
Lat 1.35S 0.02 Lon 127.59E 0.01
Dep 16.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**18 Nm
T Val= 1.86 Plg= 9 Azm=293
N -0.32 1 23
P -1.54 81 121
Best Double Couple:Mo=1.7*10**18
NP1:Strike= 21 Dip=36 Slip= -92
NP2: 204 54 -88

13 13 06 46.09 1.338S 127.357E 22km
5.6mb (45 obs.) 5.0Msz (2 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 37S, 64C
Centroid Location:
Origin Time 13:06:50.3 0.3
Lat 1.33S 0.05 Lon 127.57E 0.04
Dep 35.0 3.7 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 4.99 Plg=12 Azm=280
N -1.56 3 10
P -3.43 78 116
Best Double Couple:Mo=4.2*10**17
NP1:Strike= 5 Dip=34 Slip= -96
NP2: 192 57 -86

13 15 04 24.08 1.318S 127.438E 14km
6.3mb (84 obs.) 6.7Msz (55 obs.)
HALMAHERA, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=220 Dip=66 Slip= -90
NP2: 40 24 -90
Principal Axes:
T Plg=21 Azm=310
P 69 130
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 13 Focal mech. M
Energy 2.4±0.9*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 4 No. of sta: 21
Principal Axes:
Scale 10**19 Nm
T Val= 1.18 Plg=18 Azm=308
N -0.11 20 212
P -1.06 62 76
Best Double Couple:Mo=1.1*10**19
NP1:Strike= 67 Dip=33 Slip= -50
NP2: 202 66 -112
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 76S,206C M.W.: 67S,159C
Centroid Location:
Origin Time 15:04:30.4 0.1
Lat 1.31S 0.01 Lon 127.57E 0.01
Dep 15.0 BDY Half-duration 5.6
Principal Axes:
Scale 10**18 Nm
T Val= 13.70 Plg=14 Azm=312
N -3.14 10 45
P -10.56 73 169
Best Double Couple:Mo=1.2*10**19
NP1:Strike= 29 Dip=32 Slip=-109
NP2: 231 60 -78

14 15 53 55.71 23.366S 67.688W 147km
5.7mb (103 obs.)
CHILE-ARGENTINA BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 0 Dip=80 Slip= -90
NP2: 180 10 -90
Principal Axes:
T Plg=35 Azm= 90
P 55 270
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. M
Energy 4.8±2.0*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 141 No. of sta: 28
Principal Axes:
Scale 10**17 Nm
T Val= 12.00 Plg=30 Azm= 93
N -4.77 0 183
P -7.22 60 274
Best Double Couple:Mo=9.6*10**17
NP1:Strike=182 Dip=15 Slip= -92
NP2: 4 75 -90
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 69S,156C
Centroid Location:
Origin Time 15:54: 1.7 0.1
Lat 23.64S 0.02 Lon 67.88W 0.02
Dep 159.5 0.6 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 10.88 Plg=29 Azm= 73
N -2.72 7 167
P -8.16 60 271
Best Double Couple:Mo=9.5*10**17
NP1:Strike=143 Dip=18 Slip=-115
NP2: 349 74 -82

14 17 40 15.65 29.269N 139.174E 419km
5.1mb (78 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 18S, 23C
Centroid Location:
Origin Time 17:40:15.3 0.8
Lat 29.08N 0.09 Lon 139.40E 0.07
Dep 420.0 5.0 Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.61 Plg=27 Azm= 79
N 0.24 16 177
P -1.86 58 294
Best Double Couple:Mo=1.7*10**17
NP1:Strike=134 Dip=23 Slip=-135
NP2: 2 74 -73

14 17 41 05.85 44.785N 153.180E 33km
5.3mb (64 obs.)
EAST OF KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 22S, 37C
Centroid Location:
Origin Time 17:41: 5.6 0.8
Lat 44.70N 0.07 Lon 153.22E 0.14
Dep 30.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 12.66 Plg=20 Azm=321
N 0.60 48 207
P -13.26 35 66
Best Double Couple:Mo=1.3*10**17
NP1:Strike= 98 Dip=50 Slip= -13
NP2: 196 80 -139

14 20 47 40.47 44.022N 148.031E 32km
5.9mb (149 obs.) 5.6Msz (55 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 35 Dip=77 Slip= 90
NP2: 215 13 90
Principal Axes:
T Plg=58 Azm=305
P 32 125
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 6.7±2.2*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 34 No. of sta: 38
Principal Axes:
Scale 10**17 Nm
T Val= 7.51 Plg=66 Azm=292
N -0.22 4 193
P -7.29 24 101
Best Double Couple:Mo=7.4*10**17
NP1:Strike=182 Dip=22 Slip= 79
NP2: 15 69 94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 62S,143C
Centroid Location:
Origin Time 20:47:46.0 0.1
Lat 44.06N 0.01 Lon 148.26E 0.02
Dep 30.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 8.13 Plg=70 Azm=299
N 1.15 3 36
P -9.27 20 127
Best Double Couple:Mo=8.7*10**17
NP1:Strike=222 Dip=25 Slip= 96
NP2: 35 65 87

15 00 40 28.57 30.095S 177.034W 33km
4.9mb (11 obs.) 4.9Msz (1 obs.)
KERMADEC ISLANDS, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)

Data Used: GSN
L.P.B.: 40S, 68C
Centroid Location:
Origin Time 00:40:32.1 0.3
Lat 29.71S 0.04 Lon 176.60W 0.04
Dep 16.8 2.2 Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.21 Plg=73 Azm=295
N 0.03 3 197
P -1.25 17 106
Best Double Couple:Mo=1.2*10**17
NP1:Strike=192 Dip=28 Slip= 84
NP2: 18 62 93

15 01 16 53.71 37.721S 178.822E 33km
5.0mb (7 obs.) 4.8Msz (1 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 35S, 63C
Centroid Location:
Origin Time 01:16:55.7 0.3
Lat 37.35S 0.06 Lon 179.44E 0.07
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 10.06 Plg=18 Azm=293
N 2.27 16 198
P -12.33 66 69
Best Double Couple:Mo=1.1*10**17
NP1:Strike= 47 Dip=31 Slip= -57
NP2: 190 65 -108

15 10 36 11.87 1.692S 127.255E 29km
5.2mb (21 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 25S, 38C
Centroid Location:
Origin Time 10:36:12.1 0.6
Lat 1.94S 0.06 Lon 127.64E 0.06
Dep 29.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 11.18 Plg=26 Azm=283
N -3.69 57 146
P -7.49 19 23
Best Double Couple:Mo=9.3*10**16
NP1:Strike= 65 Dip=57 Slip= 5
NP2: 332 86 147

15 23 36 16.42 37.776S 178.712E 33km
5.0mb (8 obs.) 4.6Msz (1 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 31S, 47C
Centroid Location:
Origin Time 23:36:18.1 0.4
Lat 37.62S 0.06 Lon 178.76E 0.07
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.36 Plg=21 Azm=325
N -0.38 11 231
P -6.97 66 115
Best Double Couple:Mo=7.2*10**16
NP1:Strike= 75 Dip=26 Slip= -63
NP2: 226 67 -102

16 09 35 17.94 5.789S 76.142W 19km
5.3mb (69 obs.)
NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 16S, 23C
Centroid Location:
Origin Time 09:35:20.7 1.1
Lat 5.78S FIX;Lon 76.13W FIX
Dep 18.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 4.12 Plg=67 Azm=202
N -1.18 5 304
P -2.94 22 36
Best Double Couple:Mo=3.5*10**16
NP1:Strike=136 Dip=23 Slip= 102
NP2: 302 67 85

16 14 52 52.37 52.136N 30.225W 10km
5.2mb (114 obs.) 4.9Msz (41 obs.)
NORTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 41S, 71C
Centroid Location:
Origin Time 14:52:55.9 0.4
Lat 52.18N 0.05 Lon 29.82W 0.07
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 11.68 Plg=17 Azm=234
N -2.88 73 57
P -8.80 1 324
Best Double Couple:Mo=1.0*10**17
NP1:Strike= 10 Dip=77 Slip= 12
NP2: 278 78 167

17 02 44 25.05 27.635N 92.371E 39km
5.2mb (103 obs.) 5.1Msz (42 obs.)
EASTERN XIZANG-INDIA BORDER REG.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 43S, 66C
Centroid Location:
Origin Time 02:44:32.2 0.3
Lat 27.48N 0.04 Lon 92.62E 0.03
Dep 35.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.04 Plg=25 Azm=282
N -0.40 46 40
P -1.63 34 174
Best Double Couple:Mo=1.8*10**17
NP1:Strike=322 Dip=46 Slip=-172
NP2: 226 84 -44

18 09 21 54.59 1.533S 127.503E 18km
5.4mb (48 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 34S, 53C
Centroid Location:
Origin Time 09:22: 1.5 0.4
Lat 1.03S 0.05 Lon 127.91E 0.05
Dep 40.6 3.7 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 12.00 Plg= 9 Azm=313
N -3.06 23 47
P -8.94 65 204
Best Double Couple:Mo=1.0*10**17
NP1:Strike= 19 Dip=42 Slip=-126
NP2: 243 57 -63

18 13 29 06.42 46.702N 145.875E 350km
5.6mb (160 obs.)
SEA OF OKHOTSK
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=170 Dip=73 Slip= 60
NP2: 53 34 149
Principal Axes:
T Plg=52 Azm= 45
P 22 282
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 47S, 84C
Centroid Location:
Origin Time 13:29: 9.2 0.2
Lat 46.61N 0.03 Lon 145.77E 0.03
Dep 353.0 1.3 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 1.96 Plg=51 Azm= 44
N 0.02 33 187
P -1.98 19 289
Best Double Couple:Mo=2.0*10**17
NP1:Strike= 59 Dip=39 Slip= 149
NP2: 174 71 55

19 00 17 45.19 5.244N 126.265E 76km
6.1mb (123 obs.)
MINDANAO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 15 Dip=80 Slip= 90
NP2: 195 10 90
Principal Axes:
T Plg=55 Azm=285
P 35 105
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 9.3±3.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 83 No. of sta: 21
Principal Axes:
Scale 10**17 Nm
T Val= 8.05 Plg=58 Azm=301
N -0.07 14 188
P -7.98 28 91
Best Double Couple:Mo=8.0*10**17
NP1:Strike=149 Dip=21 Slip= 49
NP2: 12 74 104
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 69S,166C
Centroid Location:
Origin Time 00:17:49.7 0.1
Lat 5.45N 0.01 Lon 126.61E 0.01
Dep 98.7 1.1 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 10.40 Plg=44 Azm=276
N -0.89 5 11
P -9.51 45 106
Best Double Couple:Mo=1.0*10**18
NP1:Strike=287 Dip= 5 Slip=-174
NP2: 191 89 -85

19 04 03 16.19 40.556N 125.539W 10km
6.0mb (140 obs.) 6.8Msz (53 obs.)
OFF COAST OF NORTHERN CALIFORNIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=305 Dip=87 Slip= 179
NP2: 35 89 3
Principal Axes:
T Plg= 3 Azm=260
P 1 170
Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 15 Focal mech. F
Energy 1.9±0.3*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 16 No. of sta: 30
Principal Axes:
Scale 10**18 Nm
T Val= 4.49 Plg= 4 Azm=263
N 1.30 75 157
P -5.79 14 354
Best Double Couple:Mo=5.1*10**18
NP1:Strike= 38 Dip=77 Slip= -7
NP2: 130 83 -167
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 63S,167C M.W.: 60S,157C
Centroid Location:
Origin Time 04:03:21.2 0.1
Lat 40.43N 0.01 Lon 125.74W 0.01
Dep 15.0 FIX Half-duration 5.2
Principal Axes:
Scale 10**18 Nm
T Val= 9.81 Plg=10 Azm=262
N 0.28 72 27
P -10.09 14 170
Best Double Couple:Mo=1.0*10**18
NP1:Strike=307 Dip=72 Slip=-177
NP2: 216 87 -18

20 02 59 12.76 27.774S 76.172E 10km
5.7mb (48 obs.) 5.5Msz (20 obs.)
MID-INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 55S, 99C
Centroid Location:
Origin Time 02:59:16.9 0.2
Lat 27.80S 0.03 Lon 76.20E 0.03
Dep 15.0 BDY Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.65 Plg=79 Azm=244

N 0.02 0 152
P -1.67 11 62
Best Double Couple:Mo-1.7*10**17
NP1:Strike-151 Dip-34 Slip- 89
NP2: 332 56 90

20 04 12 23.25 39.167N 71.118E 26km
5.4mb (125 obs.)
TAJIKISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 27S, 42C
Centroid Location:
Origin Time 04:12:27.5 0.4
Lat 39.62N 0.06 Lon 70.84E 0.05
Dep 27.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val- 9.42 Plg- 9 Azm-225
N 0.66 70 108
P -10.08 17 318
Best Double Couple:Mo-9.8*10**16
NP1:Strike- 1 Dip-71 Slip- -6
NP2: 93 85 -161

20 05 57 37.15 42.154S 83.851W 10km
5.4mb (15 obs.) 4.6Msz (15 obs.)
WEST CHILE RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 25S, 36C
Centroid Location:
Origin Time 05:57:39.4 0.3
Lat 41.97S 0.07 Lon 84.21W 0.07
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val- 8.59 Plg-20 Azm- 68
N -0.35 5 160
P -8.24 69 264
Best Double Couple:Mo-8.4*10**16
NP1:Strike-148 Dip-25 Slip--103
NP2: 342 66 -84

20 08 07 34.20 41.073N 72.451E 39km
5.0mb (87 obs.) 4.5Msz (10 obs.)
KYRGYZSTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 27S, 35C
Centroid Location:
Origin Time 08:07:43.2 1.1
Lat 41.73N 0.09 Lon 72.40E 0.11
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val- 4.79 Plg-70 Azm-303
N 0.05 12 68
P -4.84 16 161
Best Double Couple:Mo-4.8*10**16
NP1:Strike-268 Dip-30 Slip- 114
NP2: 61 62 77

20 22 02 40.09 7.388S 128.339E 103km
5.5mb (52 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 35S, 50C
Centroid Location:
Origin Time 22:02:49.9 0.5
Lat 7.23S 0.04 Lon 128.58E 0.06
Dep 138.4 1.4 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val- 1.23 Plg-75 Azm-324
N -0.12 11 101
P -1.11 10 193
Best Double Couple:Mo-1.2*10**17
NP1:Strike-297 Dip-36 Slip- 109
NP2: 93 56 76

21 02 09 50.94 46.012N 151.527E 32km
5.8mb (162 obs.) 5.9Msz (76 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike- 20 Dip-70 Slip- 90
NP2: 200 20 90
Principal Axes:
T Plg-65 Azm-290
P 25 110
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 11 Focal mech. M
Energy 8.6±0.9*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 31 No. of sta: 47
Principal Axes:
Scale 10**18 Nm
T Val- 2.12 Plg-64 Azm-287
N -0.56 6 184
P -1.56 25 91
Best Double Couple:Mo-1.8*10**18
NP1:Strike-167 Dip-21 Slip- 72
NP2: 6 70 97
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 71S,182C
Centroid Location:
Origin Time 02:09:58.2 0.1
Lat 45.92N 0.01 Lon 151.79E 0.01
Dep 41.5 0.8 Half-duration 3.1
Principal Axes:
Scale 10**18 Nm
T Val- 2.49 Plg-68 Azm-272
N -0.01 11 31
P -2.47 19 125
Best Double Couple:Mo-2.5*10**18
NP1:Strike-233 Dip-28 Slip- 114
NP2: 26 65 78

22 00 05 06.63 15.789S 73.164W 107km
5.2mb (44 obs.)
SOUTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 53S, 84C
Centroid Location:
Origin Time 00:05:11.2 0.3
Lat 15.72S 0.03 Lon 73.14W 0.03
Dep 117.9 1.8 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val- 12.27 Plg-56 Azm-206
N -1.07 24 338
P -11.19 22 78
Best Double Couple:Mo-1.2*10**17
NP1:Strike-205 Dip-31 Slip- 142
NP2: 329 71 64

23 01 50 53.60 1.506S 127.434E 40km
5.3mb (40 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 26S, 37C
Centroid Location:
Origin Time 01:50:55.8 0.8
Lat 0.95S 0.07 Lon 128.00E 0.06
Dep 33.8 4.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val- 5.58 Plg- 3 Azm-132
N -1.45 14 223
P -4.13 76 28
Best Double Couple:Mo-4.8*10**16
NP1:Strike-208 Dip-43 Slip--110
NP2: 55 50 -72

23 05 01 22.57 39.748N 143.661E 9km
5.6mb (134 obs.) 5.9Msz (45 obs.)
OFF EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike- 20 Dip-85 Slip- 90
NP2: 200 5 90
Principal Axes:
T Plg-50 Azm-290
P 40 110
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 17 Focal mech. M
Energy 1.5±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 9 No. of sta: 40
Principal Axes:
Scale 10**18 Nm
T Val- 2.58 Plg-51 Azm-282
N -0.08 9 23
P -2.50 38 120
Best Double Couple:Mo-2.5*10**18
NP1:Strike-257 Dip-11 Slip- 144
NP2: 22 84 81
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 67S,163C
Centroid Location:
Origin Time 05:01:29.9 0.1
Lat 39.85N 0.01 Lon 143.70E 0.02
Dep 15.0 BDY Half-duration 3.1
Principal Axes:
Scale 10**18 Nm
T Val- 2.07 Plg-58 Azm-292
N 0.16 2 199
P -2.23 32 108
Best Double Couple:Mo-2.2*10**18
NP1:Strike-190 Dip-13 Slip- 81
NP2: 20 77 92

23 05 19 01.99 24.137N 121.614E 41km
5.9mb (150 obs.) 6.2Msz (36 obs.)
TAIWAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike- 5 Dip-77 Slip- 110
NP2: 127 24 34
Principal Axes:
T Plg-54 Azm-299
P 29 79
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 52S,108C M.W.: 31S, 43C
Centroid Location:
Origin Time 05:19: 3.9 0.2
Lat 24.06N 0.03 Lon 121.51E 0.05
Dep 27.9 2.2 Half-duration 3.5
Principal Axes:
Scale 10**18 Nm
T Val- 2.37 Plg-48 Azm-265
N 0.17 15 12
P -2.54 38 114
Best Double Couple:Mo-2.5*10**18
NP1:Strike-262 Dip-16 Slip- 161
NP2: 11 85 75

23 05 27 39.88 39.788N 143.572E 33km
5.5mb (105 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 29S, 47C
Centroid Location:
Origin Time 05:27:43.0 0.7
Lat 39.95N 0.11 Lon 143.42E 0.10
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**18 Nm
T Val- 1.47 Plg-56 Azm-304
N 0.16 8 203
P -1.63 33 108
Best Double Couple:Mo-1.5*10**18
NP1:Strike-169 Dip-14 Slip- 55
NP2: 24 79 98

23 20 06 06.56 18.981N 146.095E 119km
5.2mb (77 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 28S, 37C
Centroid Location:
Origin Time 20:06: 6.4 0.6
Lat 18.99N 0.06 Lon 146.14E 0.06
Dep 111.1 4.4 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val- 5.78 Plg-44 Azm-195
N 0.53 5 290
P -6.31 46 25
Best Double Couple:Mo-6.1*10**16
NP1:Strike-210 Dip- 5 Slip--170
NP2: 110 89 -85

23 21 03 01.34 35.046N 32.279E 10km
5.8mb (131 obs.) 5.7Msz (49 obs.)
CYPRUS REGION

RADIATED ENERGY
No. of sta: 15 Focal mech. M
Energy 1.7±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 28
Principal Axes:
Scale 10**17 Nm
T Val= 6.82 Plg=57 Azm=263
N 0.33 10 8
P -7.15 32 104
Best Double Couple:Mo=7.0*10**17
NP1:Strike=224 Dip=16 Slip= 127
NP2: 6 77 80
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 66S,145C
Centroid Location:
Origin Time 21:03: 7.7 0.2
Lat 35.02N 0.02 Lon 32.44E 0.03
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 8.12 Plg=55 Azm=255
N -0.12 16 10
P -8.00 30 110
Best Double Couple:Mo=8.1*10**17
NP1:Strike=239 Dip=21 Slip= 140
NP2: 6 77 73

23 21 51 31.69 1.675S 127.249E 10km
5.4mb (42 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 23S, 34C
Centroid Location:
Origin Time 21:51:32.6 0.6
Lat 1.47S 0.08 Lon 127.62E 0.07
Dep 20.1 5.3 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 11.54 Plg=15 Azm=284
N -2.80 7 16
P -8.74 73 130
Best Double Couple:Mo=1.0*10**17
NP1:Strike= 4 Dip=31 Slip=-104
NP2: 200 60 -82

24 04 55 38.26 10.828S 165.611E 27km
5.0mb (24 obs.) 4.6Msz (18 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 24S, 29C
Centroid Location:
Origin Time 04:55:43.0 0.7
Lat 10.90S 0.09 Lon 165.40E 0.09
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.16 Plg=30 Azm=162
N 0.41 49 31
P -6.58 25 268
Best Double Couple:Mo=6.4*10**16
NP1:Strike=307 Dip=49 Slip= 4
NP2: 214 87 139

24 20 09 09.09 27.158N 127.408E 104km
5.4mb (120 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 19S, 26C
Centroid Location:
Origin Time 20:09:11.2 0.7
Lat 27.22N 0.09 Lon 127.59E 0.11
Dep 93.0 8.3 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 4.01 Plg=37 Azm=143
N 0.99 14 244
P -5.00 49 351
Best Double Couple:Mo=4.5*10**16
NP1:Strike=179 Dip=16 Slip=-156
NP2: 66 84 -76

25 06 09 30.71 26.662S 112.629W 10km
5.4mb (32 obs.) 5.1Msz (34 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 68S,126C
Centroid Location:
Origin Time 06:09:37.4 0.2
Lat 26.89S 0.02 Lon 112.42W 0.02
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.98 Plg=21 Azm=292
N -0.73 68 117
P -2.24 2 22
Best Double Couple:Mo=2.6*10**17
NP1:Strike= 69 Dip=74 Slip= 14
NP2: 335 76 163

25 21 54 30.13 18.213S 178.069W 570km
5.5mb (76 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 62S,106C
Centroid Location:
Origin Time 21:54:38.1 0.2
Lat 18.07S 0.02 Lon 178.05W 0.02
Dep 594.5 1.2 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.97 Plg=33 Azm=247
N 0.57 21 142
P -4.54 49 26
Best Double Couple:Mo=4.3*10**17
NP1:Strike= 28 Dip=23 Slip= -22
NP2: 139 82 -111

26 15 03 43.37 1.290N 97.883E 53km
5.2mb (54 obs.)
NORTHERN SUMATERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 46S, 68C
Centroid Location:
Origin Time 15:03:44.1 0.4
Lat 1.32N 0.04 Lon 97.65E 0.04
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 11.78 Plg=34 Azm= 33
N 2.27 8 129
P -14.04 54 230
Best Double Couple:Mo=1.3*10**17
NP1:Strike= 89 Dip=13 Slip=-130
NP2: 310 80 -81

27 04 46 19.37 55.651N 166.226E 28km
5.0mb (96 obs.) 4.8Msz (1 obs.)
KOMANDORSKY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 15S, 18C
Centroid Location:
Origin Time 04:46:19.7 1.4
Lat 55.63N 0.14 Lon 166.44E 0.36
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 3.12 Plg=71 Azm=252
N 0.46 15 113
P -3.57 12 20
Best Double Couple:Mo=3.3*10**16
NP1:Strike= 91 Dip=35 Slip= 64
NP2: 302 59 107

27 09 04 16.80 37.821S 179.079E 33km
5.5mb (14 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 31S, 44C
Centroid Location:
Origin Time 09:04:17.3 0.5
Lat 37.38S 0.06 Lon 179.53E 0.07
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.25 Plg= 3 Azm=108
N 1.07 32 16
P -7.33 58 203
Best Double Couple:Mo=6.8*10**16
NP1:Strike=227 Dip=51 Slip= -47
NP2: 351 56 -130

27 12 27 55.22 7.282S 128.387E 131km
5.5mb (55 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 36S, 47C
Centroid Location:
Origin Time 12:28: 3.3 0.7
Lat 7.28S 0.06 Lon 128.69E 0.06
Dep 170.6 1.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 13.37 Plg=66 Azm=215
N -4.37 17 348
P -9.00 17 83
Best Double Couple:Mo=1.1*10**17
NP1:Strike=198 Dip=32 Slip= 124
NP2: 339 64 71

27 13 29 00.30 52.753N 34.782W 10km
4.9mb (65 obs.) 4.3Msz (5 obs.)
NORTH ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 38S, 60C
Centroid Location:
Origin Time 13:29: 3.2 0.5
Lat 52.76N 0.07 Lon 34.62W 0.11
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 3.57 Plg= 9 Azm=253
N 2.61 20 347
P -6.18 68 140
Best Double Couple:Mo=4.9*10**16
NP1:Strike=322 Dip=40 Slip=-121
NP2: 180 57 -66

27 19 07 05.68 52.744N 34.778W 10km
5.0mb (85 obs.) 4.5Msz (41 obs.)
NORTH ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 25S, 32C
Centroid Location:
Origin Time 19:07: 6.6 0.6
Lat 53.19N 0.09 Lon 34.84W 0.09
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 4.73 Plg=12 Azm=252
N -0.54 27 156
P -4.19 60 4
Best Double Couple:Mo=4.5*10**16
NP1:Strike= 12 Dip=40 Slip= -46
NP2: 141 62 -120

28 00 21 45.39 1.637S 127.609E 33km
5.1mb (14 obs.) 4.7Msz (1 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 28S, 39C
Centroid Location:
Origin Time 00:21:45.7 0.5
Lat 1.67S FIX;Lon 127.30E FIX
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 10.38 Plg=32 Azm=279
N 1.37 26 172
P -11.75 47 50
Best Double Couple:Mo=1.1*10**17
NP1:Strike= 62 Dip=28 Slip= -18
NP2: 168 82 -117

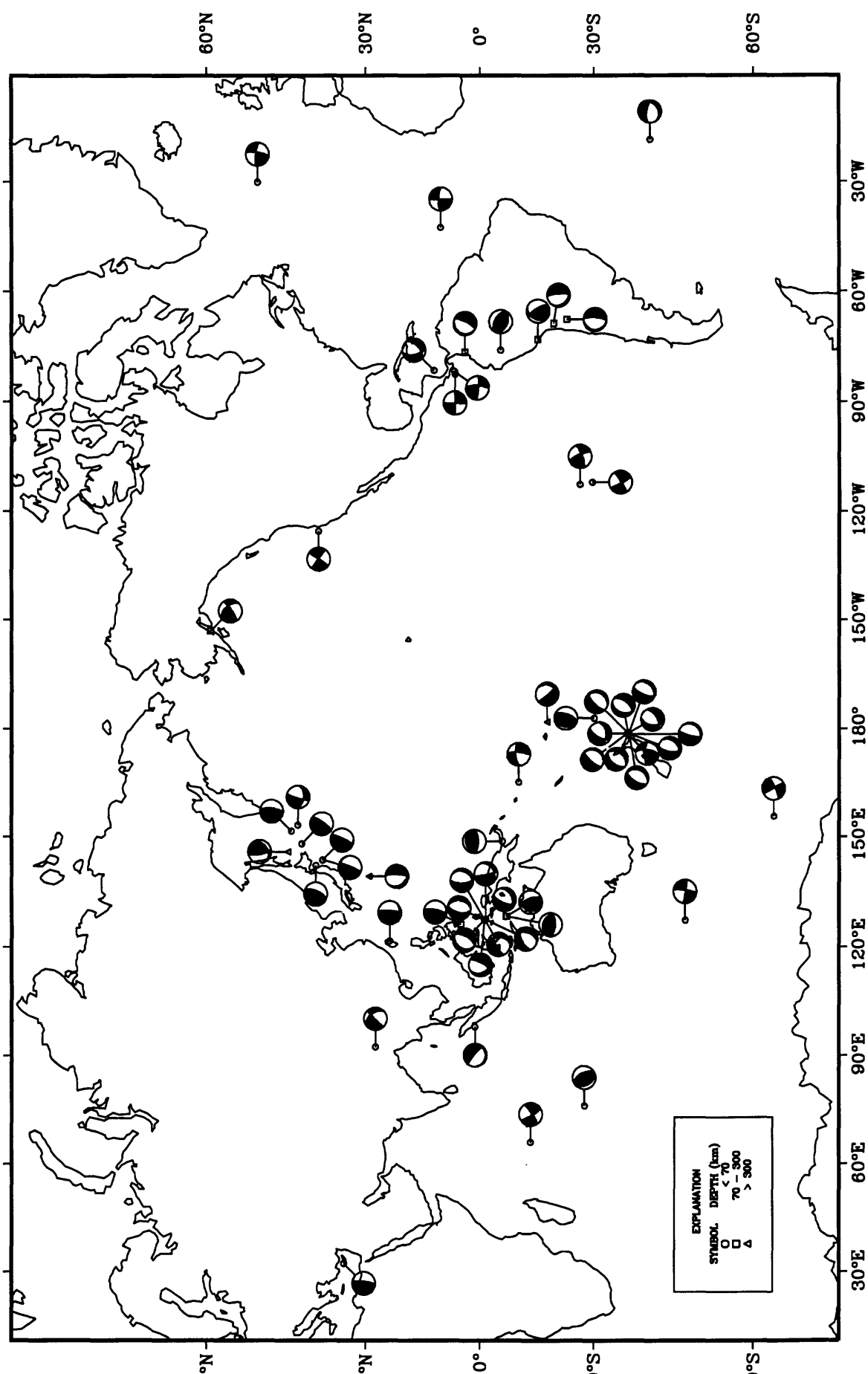
28 05 03 03.66 11.575N 85.913W 135km
4.9mb (31 obs.)
NICARAGUA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 25S, 30C
Centroid Location:
Origin Time 05:03: 4.0 0.8
Lat 11.22N 0.08 Lon 86.08W 0.07
Dep 135.6 3.3 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.16 Plg=52 Azm= 70
N -0.84 18 316
P -7.32 32 214
Best Double Couple:Mo=7.7*10**16
NP1:Strike=259 Dip=21 Slip= 32
NP2: 139 79 108

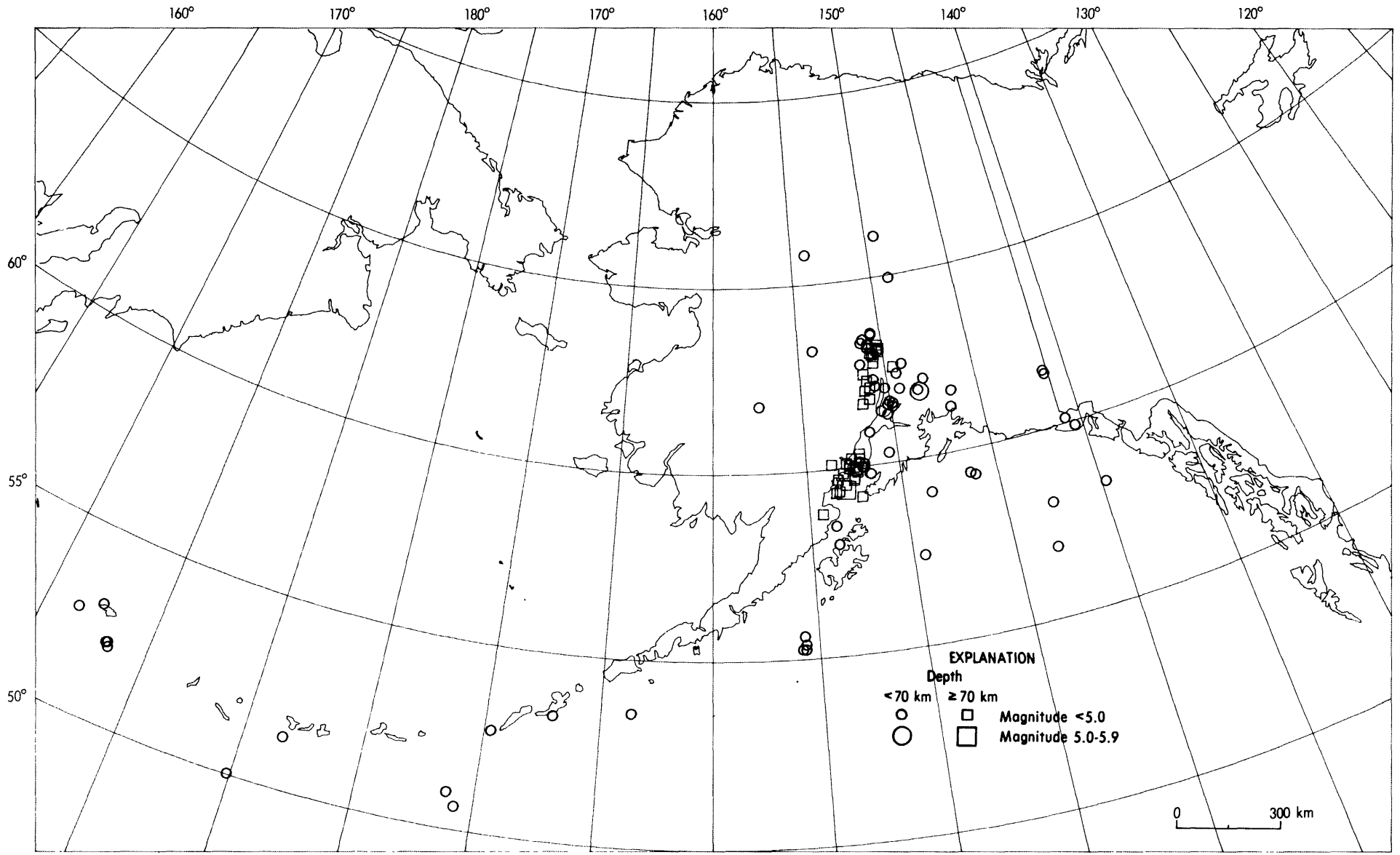
28 21 12 09.36 6.976N 81.860W 21km
5.2mb (83 obs.) 5.5Msz (44 obs.)
SOUTH OF PANAMA

```
CENTROID, MOMENT TENSOR    (HRV)    |                                    |
Data Used: GSN                      |                                    |
L.P.B.: 77S,176C                    |                                    |
Centroid Location:                  |                                    |
Origin Time       21:12:18.1 0.1    |                                    |
Lat  6.77N 0.01 Lon  82.31W 0.01    |                                    |
Dep  15.0 BDY Half-duration  2.5    |                                    |
Principal Axes:                     |                                    |
  Scale 10**18 Nm                   |                                    |
  T  Val=  1.35  Plg=17  Azm=319    |                                    |
  N       -0.13      72       115    |                                    |
  P       -1.22       7       227    |                                    |
Best Double Couple:Mo=1.3*10**18    |                                    |
 NP1:Strike=  2 Dip=73 Slip= 173    |                                    |
 NP2:        94     83        17    |                                    |
```

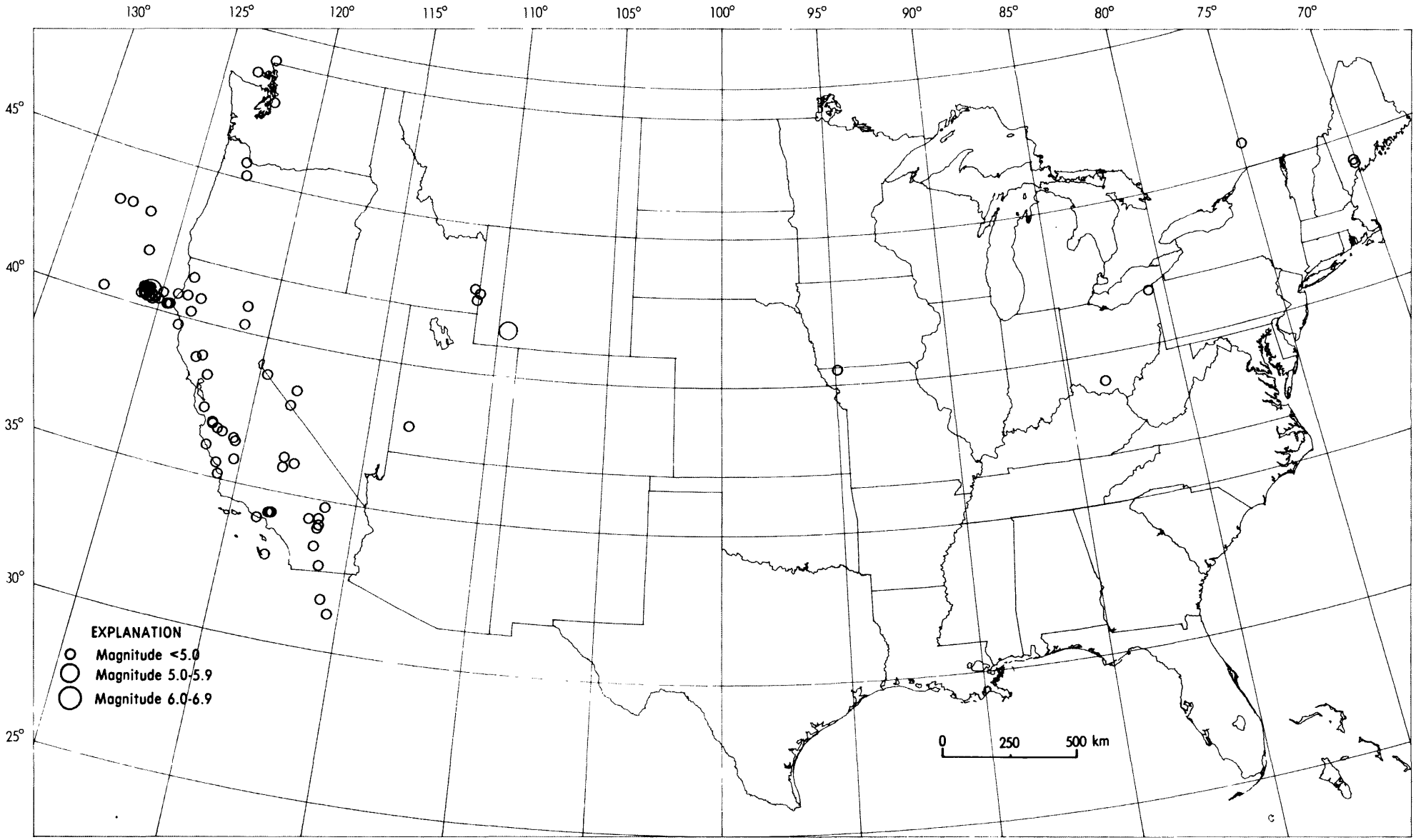
Compiled by Francis W. Baldwin, Pamela J. Benfield, Pingsheng Chang, George L. Choy, Willis S. Jacobs, Stuart K. Koyanagi, Christina K. LaVonne, John H. Minsch, Waverly J. Person, Bruce W. Presgrave, William H. Schmieder, Stuart A. Sipkin and Madeleine D. Zirbes.

Earthquake Focal Mechanisms for February 1995

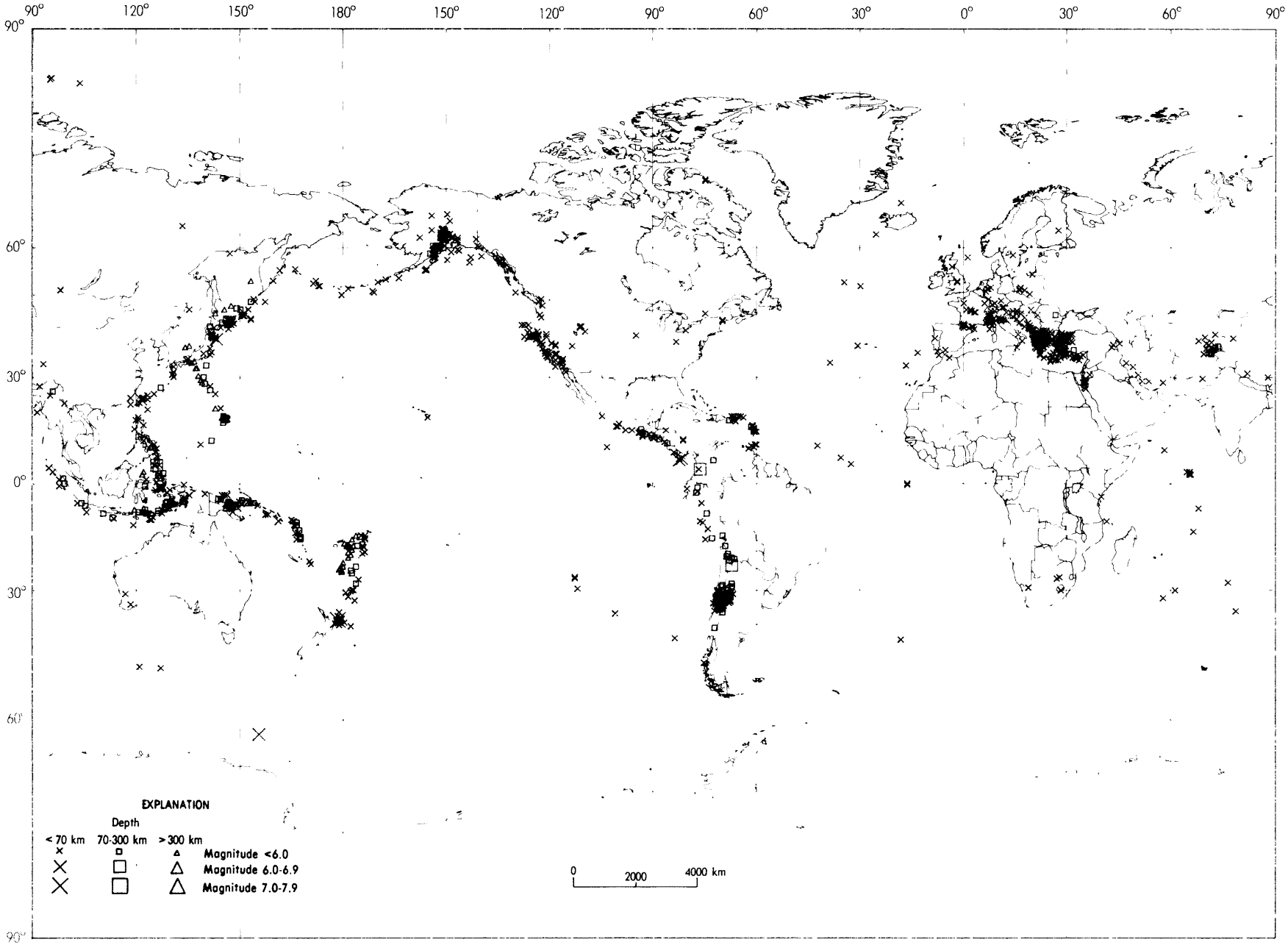




Earthquake epicenters in Alaska and adjacent regions for February, 1995



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



Earthquakes located in February, 1995

Printed on Recycled Paper

☆U.S. GOVERNMENT PRINTING OFFICE 1995—841-970

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

JANUARY 1995

K E Y	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	02	07.2*	12.904	N	121.190	E	27	*	4.6		0.8	15	MINDORO, PHILIPPINE ISLANDS
	01	00	16	59.3*	9.726	N	84.351	W	46		4.2		0.8	15	COSTA RICA. MD 4.4 (UPA).
	01	00	24	10.7	43.616	N	148.181	E	31	D	4.7		1.1	62	EAST OF KURIL ISLANDS
	01	00	46	29.7?	26.73	N	34.71	E	10	G			0.4	7	RED SEA. MD 3.5 (RYD).
	01	00	47	02.8&	44.911	N	7.278	E	10	G			1.1	8	NORTHERN ITALY. ML 3.1 (ROM).
	01	02	02	25.4	10.927	S	113.011	E	19	*	4.5		1.2	20	SOUTH OF JAWA, INDONESIA
	01	02	30	33.0*	29.513	N	140.973	E	76	?	4.3		1.0	13	SOUTH OF HONSHU, JAPAN
	01	02	39	43.8	43.289	N	146.874	E	63		4.8		0.8	56	KURIL ISLANDS
	01	03	16	22.4?	44.46	N	7.44	E	10	G			0.2	4	NORTHERN ITALY. ML 1.6 (GEN).
	01	04	04	55.8	24.467	S	69.811	W	69	D	4.8		0.8	38	NORTHERN CHILE
	01	04	08	32.9*	33.189	S	69.077	W	5	G			0.3	6	CHILE-ARGENTINA BORDER REGION
	01	05	04	44.4	9.572	S	118.128	E	98	*	5.2		1.3	28	SUMBAWA REGION, INDONESIA. Felt (III) at Denpasar, Bali.
	01	05	20	57.7*	39.505	N	24.147	E	10	G			0.2	9	AEGEAN SEA
	01	05	46	30.5&	63.261	N	151.144	W	9					57	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC).
a	01	06	59	55.9	40.701	N	143.549	E	15	G	5.8	6.2	1.1	377	OFF EAST COAST OF HONSHU, JAPAN. Mw 6.5 (GS), 6.4 (HRV). Ms 5.9 (BRK). Mo=3.4*10**18 Nm (PPT). Felt (II JMA) in the Hachinohe area. Two events about 3 seconds apart. Depth from broadband displacement seismograms, based on first event.
	01	07	18	30.3	40.651	N	143.613	E	29	D	4.7		1.0	72	OFF EAST COAST OF HONSHU, JAPAN
	01	07	24	26.7	40.525	N	143.842	E	33	N	4.4		0.6	10	OFF EAST COAST OF HONSHU, JAPAN
	01	07	47	43.6	40.623	N	143.549	E	25		4.7		1.3	25	OFF EAST COAST OF HONSHU, JAPAN
	01	08	23	29.5*	14.256	N	89.983	W	225		3.8		0.6	15	GUATEMALA
	01	08	51	08.8	30.543	N	50.396	E	42		4.8	4.7	1.1	85	NORTHERN IRAN. Felt at Nurabad and Yasuj.
	01	08	57	06.7&	33.412	S	70.763	W	80	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
	01	08	59	02.0*	34.914	S	70.156	W	140	G	4.3		0.6	18	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
	01	09	16	06.2?	49.15	N	1.47	E	10	G			1.0	9	FRANCE. ML 2.1 (LDG).
	01	09	17	30.3?	14.05	N	60.49	W	50	G			0.7	5	WINDWARD ISLANDS. MD 2.9 (TRN).
	01	09	33	55.5*	25.832	S	68.463	W	91	*	4.6		0.7	12	CHILE-ARGENTINA BORDER REGION
	01	09	37	21.5	19.216	N	69.419	W	42		4.8		0.9	129	DOMINICAN REPUBLIC REGION
	01	09	47	27.5	40.823	N	22.960	E	10	G			0.6	11	GREECE. MD 2.8 (ATH).
	01	09	50	56.8*	39.213	N	22.984	E	10	G			0.8	9	GREECE. MD 3.2 (ATH).
	01	10	03	21.3	39.252	N	22.830	E	33	N			0.8	13	GREECE. ML 3.0 (ATH).
	01	10	04	14.3	39.295	N	22.999	E	5	G			1.2	13	GREECE. MD 3.1 (ATH).
	01	10	33	10.0	57.305	N	143.430	W	10	G			0.6	37	GULF OF ALASKA. ML 3.3 (AEIC), 3.2 (PGC).
	01	10	53	22.8	43.019	N	19.145	E	10	G			0.3	8	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	01	10	55	10.6*	12.713	N	144.305	E	63	*	4.6		1.0	27	SOUTH OF MARIANA ISLANDS
	01	10	55	31.8&	40.824	N	22.948	E	5	G			0.4	6	GREECE
	01	11	30	04.7&	60.037	N	153.268	W	118		4.8			192	SOUTHERN ALASKA. <AEIC>. Felt (III) at Kasilof and Port Graham; (II) at Homer and Kenai.
	01	11	38	48.9	41.940	N	23.011	E	10	G			0.6	12	GREECE-BULGARIA BORDER REGION. ML 1.8 (SKO).
	01	12	13	05.6&	40.522	N	23.600	E	5	G			0.7	7	GREECE
	01	12	13	53.1?	12.51	N	93.41	W	110	G			0.4	8	OFF COAST OF CHIAPAS, MEXICO
	01	12	18	11.9	4.778	N	96.193	E	33	N	4.9		0.6	11	NORTHERN SUMATERA, INDONESIA
a	01	12	30	05.3	40.049	N	142.686	E	42		5.2	4.6	0.9	126	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV). Felt (III) at Misawa.
	01	12	43	19.3	38.871	N	107.448	W	1	G			0.8	13	COLORADO. ML 3.0 (GS). Coal bump in the Somerset Field.
	01	13	04	06.0?	42.01	N	23.02	E	5	G			0.2	7	BULGARIA. ML 1.7 (SKO).
	01	13	06	34.1&	44.269	N	7.377	E	5	G			0.5	5	NORTHERN ITALY. ML 1.8 (GEN).
	01	14	03	33.1&	39.367	N	123.239	W	7					30	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 2.9 (GS).
	01	14	53	46.8*	3.590	S	138.332	E	33	N	4.6		1.4	16	IRIAN JAYA, INDONESIA
	01	14	59	43.0	35.957	N	114.863	W	5	G			0.7	28	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (GS). Felt (III) at Boulder City, Henderson and Sunrise; (II) at Las Vegas, Nevada.
	01	15	01	30.8?	32.44	S	70.68	W	90	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	01	15	03	39.4*	34.195	S	70.051	W	5	G			0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).

Subscriptions: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. (202) 512-1800.
Back issues: Books and Open-File Reports Section, U.S. Geological Survey, Box 25425, Denver, CO 80225.

	01	15	06	41.7	42.992	N	17.858	E	10	G			0.7	14	ADRIATIC SEA. ML 3.3 (TTG).
	01	15	31	41.1	32.654	N	139.895	E	128		5.1		0.8	136	SOUTH OF HONSHU, JAPAN
	01	16	20	08.8	52.337	N	1.543	E	10	G			1.3	19	UNITED KINGDOM. ML 2.9 (LDG), 2.6 (BGS).
	01	16	42	03.6*	12.246	S	167.341	E	33	N	5.0		0.8	34	SANTA CRUZ ISLANDS
	01	17	21	28.1*	37.937	N	19.929	E	5	G	4.0		1.1	17	IONIAN SEA. MD 3.5 (ATH).
	01	18	40	40.2*	6.592	S	132.482	E	33	N	3.2		1.0	5	TANIMBAR ISLANDS REG., INDONESIA
	01	19	17	20.0	7.939	S	129.066	E	33	N	4.8		1.0	30	BANDA SEA
	01	19	56	13.6*	27.773	N	87.587	E	61	?	4.9		0.6	7	NEPAL
	01	20	31	30.7?	38.88	N	23.57	E	10	G			0.1	5	GREECE
	01	20	39	40.2	23.767	S	179.891	E	552		4.8		0.8	93	SOUTH OF FIJI ISLANDS
	01	21	01	59.2?	32.41	S	70.04	W	130	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	01	21	44	44.0?	41.84	N	23.05	E	5	G			0.1	5	GREECE-BULGARIA BORDER REGION. ML 2.0 (SKO).
	01	21	46	34.9&	33.870	S	69.939	W	5	G			0.4	11	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
a	01	22	05	47.1	40.227	N	143.936	E	33	D	5.0	5.0	1.2	78	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV).
	01	22	48	48.3	36.057	N	71.625	E	85	*	4.2		0.7	20	AFGHANISTAN-TAJIKISTAN BORD REG.
	01	23	20	32.7	28.290	N	141.788	E	33	N	4.4		0.7	26	BONIN ISLANDS REGION
	01	23	44	47.4	43.518	N	147.280	E	63	D	4.9		1.0	75	KURIL ISLANDS
	01	23	47	01.9&	61.220	N	152.015	W	109					36	SOUTHERN ALASKA. <AEIC>.
	02	02	02	16.5	24.713	S	63.444	W	555		5.1		0.8	214	SALTA PROVINCE, ARGENTINA
	02	02	25	13.4?	29.76	S	178.18	W	33	N	4.6		1.3	8	KERMADEC ISLANDS, NEW ZEALAND
	02	03	25	55.0&	63.532	N	149.928	W	123					50	CENTRAL ALASKA. <AEIC>.
	02	04	09	25.0&	63.265	N	151.294	W	12					43	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).
	02	04	10	13.0&	46.750	N	122.355	W	19					83	WASHINGTON. <SEA-P>. MD 3.3 (SEA). Felt (IV) at Elbe and Mineral; (III) at Cinebar and Silver Creek.
	02	05	41	37.0?	41.63	S	71.04	W	78	?	4.9		1.0	17	S. CHILE-ARGENTINA BORDER REGION
	02	05	58	20.2	42.991	N	0.408	W	10	G			0.7	10	PYRENEES. ML 2.6 (LDG). MD 2.4 (BTH). Felt (II) in the Ossau Valley, France.
	02	06	49	17.8	12.915	S	75.824	W	33	N			0.4	7	CENTRAL PERU. Felt (III) at Chincha Alta and (II) at Pisco.
	02	07	46	47.3&	63.553	N	150.663	W	13					46	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC), 3.5 (PMR).
	02	08	03	43.3?	10.79	N	61.42	W	33	N			0.2	4	TRINIDAD. MD 2.9 (TRN).
	02	08	10	15.4&	36.552	N	5.584	W	10	G			0.8	7	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
	02	08	46	02.6&	63.267	N	151.207	W	12					31	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	02	10	23	56.8&	32.163	N	115.037	W	17					40	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 4.0 (ECX). ML 3.5 (GS).
	02	10	34	10.0*	44.039	N	147.930	E	62	?	4.3		1.1	18	KURIL ISLANDS
	02	10	52	09.6*	2.418	N	128.670	E	80	?	3.9		0.4	16	HALMAHERA, INDONESIA
	02	11	32	15.5&	32.184	N	115.013	W	16					31	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 3.6 (ECX). ML 3.5 (PAS), 3.2 (GS).
	02	12	36	05.7	38.161	N	22.275	E	10	G	4.3		1.3	67	GREECE. MD 3.9 (ATH).
	02	12	54	31.5	38.225	N	21.916	E	10	G			0.3	6	GREECE. MD 3.3 (ATH).
	02	14	02	18.5*	14.675	N	90.647	W	33	N			1.4	7	GUATEMALA. MD 4.2 (SAN).
	02	14	42	40.3	54.305	N	159.223	E	133	D	4.8		0.8	82	NEAR EAST COAST OF KAMCHATKA
	02	15	16	02.2*	26.357	S	27.220	E	5	G	4.3		1.3	9	REPUBLIC OF SOUTH AFRICA. MD 4.1 (BUL). ML 4.0 (PRE).
	02	15	39	28.5?	29.60	S	176.14	W	33	N	4.4		1.0	7	KERMADEC ISLANDS REGION
	02	16	10	28.5&	33.659	S	70.365	W	100	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	02	16	42	36.7	40.167	N	142.552	E	49		4.8		1.0	59	NEAR EAST COAST OF HONSHU, JAPAN
	02	17	32	16.3*	38.051	N	21.911	E	33	N			1.4	12	GREECE. ML 3.1 (ATH).
	02	18	07	45.6*	33.721	N	137.332	E	337	*	4.0		0.2	14	NEAR S. COAST OF HONSHU, JAPAN
	02	18	31	02.7&	62.465	N	152.732	W	140					31	CENTRAL ALASKA. <AEIC>.
	02	20	19	25.9?	33.87	S	70.02	W	5	G			1.0	5	CHILE-ARGENTINA BORDER REGION
	02	20	26	19.4?	43.19	N	18.76	E	10	G			0.7	4	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
	02	20	30	15.9*	46.303	N	13.368	E	10	G			1.5	8	AUSTRIA. ML 2.4 (VIE). MD 2.9 (LJU), 2.4 (TRI).
	02	20	39	31.7?	6.74	S	128.58	E	190	?	5.1		1.2	10	BANDA SEA
	02	20	56	25.6*	40.435	N	144.301	E	33	N			1.1	8	OFF EAST COAST OF HONSHU, JAPAN
a	02	20	58	17.4	40.553	N	143.466	E	28	D	5.1	5.0	0.9	147	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.3 (HRV).
	02	21	08	58.7	40.538	N	143.509	E	33	D	4.9	5.0	1.0	123	OFF EAST COAST OF HONSHU, JAPAN
	02	21	36	32.1	40.562	N	143.670	E	30	D	4.6		1.1	22	OFF EAST COAST OF HONSHU, JAPAN
	02	21	37	03.3?	23.35	S	179.93	W	500	G	4.1		1.4	12	SOUTH OF FIJI ISLANDS
	02	22	33	24.5	5.008	N	75.421	W	131		4.2		0.9	37	COLOMBIA
	02	22	35	31.0?	7.04	S	129.22	E	132	?	4.6		1.5	7	BANDA SEA
	02	23	08	19.8*	20.007	S	133.724	E	10	G	4.1		1.3	9	NORTHERN TERRITORY, AUSTRALIA
	02	23	39	19.5?	4.22	S	134.80	E	33	N	4.6		1.1	13	IRIAN JAYA REGION, INDONESIA
	03	00	38	13.4	40.868	N	20.438	E	5	G			0.8	25	GREECE-ALBANIA BORDER REGION. ML 3.2 (TTG), 2.7 (TIR).
	03	00	41	59.2?	59.93	N	5.97	E	10	G			0.0	4	SOUTHERN NORWAY. MD 1.1 (BER).
	03	01	27	44.8	39.148	N	16.594	E	15		3.9		1.0	46	SOUTHERN ITALY. ML 3.7 (TTG), 3.5 (ROM).
	03	01	31	14.7	39.816	N	78.178	E	33	N	4.5		0.9	22	SOUTHERN XINJIANG, CHINA
a	03	02	54	56.9	56.206	S	27.285	W	130	G	5.5		0.8	138	SOUTH SANDWICH ISLANDS REGION. Mw 5.3 (HRV).
	03	03	24	30.8&	59.335	N	152.195	W	66					40	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	03	03	27	57.1&	37.646	N	118.949	W	6					40	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (GS), 3.1 (BRK).
	03	04	42	34.2	42.254	N	143.173	E	70		4.7		1.1	37	HOKKAIDO, JAPAN REGION
	03	05	35	57.3*	33.324	S	179.821	E	33	N	4.9	5.3	1.0	23	SOUTH OF KERMADEC ISLANDS
	03	06	01	25.6	40.509	N	143.447	E	27	D	5.1	4.6	0.9	87	OFF EAST COAST OF HONSHU, JAPAN
	03	06	33	52.0&	40.810	N	22.918	E	5	G			0.4	6	GREECE
a	03	06	49	20.1	19.634	S	178.106	W	601	D	5.3		1.1	83	FIJI ISLANDS REGION. Mw 5.6 (HRV).
	03	07	02	47.4	40.506	N	143.490	E	28	D	5.0		0.9	60	OFF EAST COAST OF HONSHU, JAPAN
	03	07	54	03.9?	3.32	S	134.80	E	10	G	4.5		1.3	6	IRIAN JAYA REGION, INDONESIA
	03	07	59	12.1?	37.66	N	23.51	E	33	N			1.6	4	SOUTHERN GREECE. MD 3.3 (ATH).
	03	08	51	54.9&	33.268	S	71.645	W	33	N			0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
	03	08	55	50.1?	1.25	N	126.21	E	33	N	4.1		0.7	8	NORTHERN MOLUCCA SEA
	03	08	57	28.5*	19.110	S	177.724	W	596	*	4.6		0.6	17	FIJI ISLANDS REGION
	03	09	06	52.6	19.162	S	69.433	W	103	D	4.4		1.3	26	NORTHERN CHILE
	03	09	14	35.2?	28.82	N	34.67	E	10	G			0.5	4	EGYPT. MD 3.2 (RYD).
	03	09	18	31.9?	28.83	N	34.65	E	10	G			0.1	4	EGYPT. MD 2.0 (RYD).
	03	09	44	32.9&	37.801	N	2.197	W	5	G			0.8	8	SPAIN. mbLg 2.7 (MDD).
	03	09	52	05.0?	3.54	N	129.90	E	33	N	4.9		0.7	8	NORTH OF HALMAHERA, INDONESIA
	03	10	07	30.4?	15.42	S	70.05	W	243	*	4.2		0.8	13	SOUTHERN PERU
	03	10	34	09.1&	33.895	S	70.927	W	70	G			0.3	8	CHILE-ARGENTINA BORDER REGION
	03	10	41	59.2?	23.88	S	178.39	W	140	G	4.5		1.0	9	SOUTH OF FIJI ISLANDS
	03	10	45	12.1?	34.09	S	70.12	W	5	G			0.9	7	CHILE-ARGENTINA BORDER REGION
	03	11	09	16.9?	10.04	S	118.07	E	33	N	4.6		1.4	6	SOUTH OF SUMBAWA, INDONESIA
	03	11	21	45.1	27.740	N	56.294	E	41	*	4.5		0.9	28	SOUTHERN IRAN

	03	11	27	57.8%	28.828	N	34.887	E	10	G			0.6	5	EGYPT. MD 2.7 (RYD).
	03	12	16	46.3?	31.56	S	71.85	W	10	G			0.2	10	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	03	12	27	28.8?	35.20	S	71.35	W	80	G			0.4	9	CENTRAL CHILE. MD 3.7 (SAN).
	03	12	46	54.2	35.120	S	70.968	W	90		4.8		0.9	54	CHILE-ARGENTINA BORDER REGION. MD 4.8 (SAN). Felt in the Linares-San Fernando-Valparaiso area, Chile.
	03	15	11	48.2%	28.984	N	34.836	E	10	G			0.2	5	EGYPT. MD 2.3 (RYD).
	03	16	03	20.4&	34.398	N	119.371	W	10					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	03	16	05	35.6&	59.276	N	153.807	W	117					55	SOUTHERN ALASKA. <AEIC>.
a	03	16	11	57.0	57.699	S	65.883	W	14	G	6.2	5.6	0.9	355	DRAKE PASSAGE. Mw 5.7 (GS), 5.9 (HRV). Depth from broadband displacement seismograms.
	03	17	15	02.7*	30.683	S	71.875	W	33	N			0.7	16	NEAR COAST OF CENTRAL CHILE
	03	17	25	57.3*	1.418	S	127.795	E	33	N	4.3		1.2	5	HALMAHERA, INDONESIA
	03	17	37	16.3%	44.653	N	7.207	E	10	G			0.4	9	NORTHERN ITALY. ML 2.4 (GEN).
	03	17	39	20.0%	44.661	N	7.181	E	10	G			0.2	7	NORTHERN ITALY. ML 2.0 (GEN).
	03	18	20	36.0&	63.231	N	150.467	W	122					61	CENTRAL ALASKA. <AEIC>.
	03	18	37	29.6*	46.244	N	15.144	E	10	G			1.2	5	NORTHWESTERN BALKAN REGION
	03	19	17	33.6*	23.886	S	66.606	W	222	*	4.0		0.8	14	JUJUY PROVINCE, ARGENTINA
	03	19	33	40.0&	38.783	N	122.775	W	1					32	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM).
	03	19	33	56.7%	44.867	N	3.448	E	10	G			0.8	12	FRANCE. ML 2.3 (LDG).
	03	19	53	44.8?	19.73	S	178.75	W	690	?	4.5		0.4	11	FIJI ISLANDS REGION
	03	19	59	59.5?	10.52	N	61.77	W	33	N			0.5	4	TRINIDAD. MD 2.8 (TRN).
	03	20	34	02.7*	35.475	N	24.479	E	10	G			0.7	5	CRETE. MD 3.8 (ATH).
	03	20	49	15.4%	33.335	S	70.977	W	33	N			0.8	9	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	03	21	13	03.9*	23.050	S	69.702	W	60	G	4.6		1.0	20	NORTHERN CHILE
	03	21	29	33.6%	44.905	N	6.557	E	5	G			0.4	7	FRANCE. ML 1.9 (GEN).
	03	22	05	45.7	45.597	N	6.981	E	5	G			0.4	8	FRANCE. ML 2.2 (GEN).
	03	22	51	45.0	34.936	N	23.549	E	33	N	4.9		1.3	201	CRETE. MD 4.5 (ATH).
	03	23	32	44.0*	38.761	N	68.735	E	33	N	4.3		1.5	15	TAJIKISTAN
	04	00	03	39.1*	13.442	N	144.138	E	136	*	5.0		0.4	20	MARIANA ISLANDS
	04	00	26	16.2&	34.461	N	116.519	W	0					28	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
	04	00	32	12.5?	10.51	S	160.14	E	33	N	3.8		0.8	6	SOLOMON ISLANDS
	04	00	38	29.8?	19.76	S	176.33	W	396	?	4.9		0.9	16	FIJI ISLANDS REGION
	04	00	47	02.0	44.884	N	7.321	E	4				0.9	85	NORTHERN ITALY. ML 3.9 (LDG). MD 3.4 (STR).
	04	00	57	51.6	41.285	N	48.874	E	33	N	4.5		1.2	19	EASTERN CAUCASUS
	04	01	22	34.5&	61.936	N	146.963	W	49					60	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).
	04	01	39	19.6*	3.331	S	135.961	E	33	N	5.1		1.4	29	IRIAN JAYA REGION, INDONESIA
	04	01	46	14.0&	29.450	N	96.950	W	5	G				3	CENTRAL TEXAS. <MACRO>. mbLg 2.7 (GS). Felt (IV) at Shiner. Also felt in the Hallettsville area.
	04	02	22	12.9	27.548	N	56.534	E	33	N	4.6		0.9	58	SOUTHERN IRAN
a	04	02	47	27.2	51.578	N	173.648	W	33	N	5.5	4.8	0.9	307	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.3 (HRV). ML 5.1 (PMR). Felt (III) on Atka.
	04	03	43	14.0	51.575	N	173.629	W	33	N	4.7	4.7	1.0	79	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
	04	04	13	01.1*	51.530	N	173.630	W	33	N	4.8		0.9	28	ANDREANOF ISLANDS, ALEUTIAN IS.
	04	04	14	45.9	51.607	N	173.758	W	33	N	4.9	4.6	1.1	150	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
	04	04	39	53.8%	44.870	N	7.310	E	10	G			1.0	11	NORTHERN ITALY. ML 2.3 (GEN).
	04	04	47	28.0*	58.059	N	163.665	E	33	N	4.2		1.0	23	KAMCHATKA
	04	04	51	14.1	40.528	N	143.479	E	29	D	5.0	4.5	1.0	69	OFF EAST COAST OF HONSHU, JAPAN
	04	04	52	39.4&	60.888	N	150.380	W	32					55	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
	04	04	54	49.9	40.309	N	143.398	E	24		5.3	4.7	0.9	122	OFF EAST COAST OF HONSHU, JAPAN
	04	05	38	56.0*	33.426	S	68.214	W	5	G			0.6	12	MENDOZA PROVINCE, ARGENTINA. MD 4.3 (SAN). Felt (III) at San Carlos.
	04	06	07	48.6	44.034	N	7.066	E	10	G			0.3	11	NORTHERN ITALY. ML 2.2 (LDG), 2.2 (GEN).
	04	06	15	03.0&	57.980	N	137.510	W	5	G				18	OFF COAST OF SOUTHEASTERN ALASKA. <PGC-P>. ML 3.4 (PGC), 3.4 (AEIC).
	04	06	17	38.0&	60.298	N	152.178	W	83					49	SOUTHERN ALASKA. <AEIC>.
a	04	06	28	39.0*	56.060	S	123.232	W	10	G	5.0	5.8	1.0	49	SOUTHERN EAST PACIFIC RISE. Mw 6.0 (HRV). Ms 6.0 (BRK).
	04	06	50	44.8&	31.905	N	115.796	W	16					6	BAJA CALIFORNIA, MEXICO. <ECX-P>. MD 3.1 (ECX).
	04	08	01	39.8*	40.520	N	142.458	E	33	N	4.6		0.9	18	NEAR EAST COAST OF HONSHU, JAPAN
	04	08	12	10.1	43.523	N	147.024	E	68	*	4.4		1.0	29	KURIL ISLANDS
	04	08	21	23.4?	36.55	N	5.58	W	10	G			1.1	4	STRAIT OF GIBRALTAR. mbLg 2.0 (MDD).
	04	08	51	51.0	10.117	N	56.669	E	17	D	5.0		0.8	48	CARLSBERG RIDGE
	04	10	04	13.6?	36.42	N	3.18	W	10	G			1.0	8	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
	04	11	51	33.9*	28.867	N	103.629	E	33	N	4.3		1.2	13	SICHUAN, CHINA
	04	14	07	54.6&	63.141	N	150.439	W	116					41	CENTRAL ALASKA. <AEIC>.
	04	14	19	12.4*	11.632	S	116.816	E	33	N	4.7		1.4	17	SOUTH OF SUMBAWA, INDONESIA
	04	15	12	28.2*	21.159	S	178.833	W	575	?	4.7		1.0	35	FIJI ISLANDS REGION
	04	15	36	52.3	38.025	N	141.842	E	88		4.6		0.8	55	NEAR EAST COAST OF HONSHU, JAPAN
	04	16	33	42.0&	57.940	N	137.690	W	5	G				14	OFF COAST OF SOUTHEASTERN ALASKA. <PGC-P>. ML 3.9 (PGC), 3.6 (AEIC).
	04	16	53	31.1?	6.24	S	128.92	E	335	?	4.4		0.8	8	BANDA SEA
	04	17	10	11.9*	43.222	N	146.758	E	33	N	4.6		0.9	12	KURIL ISLANDS
	04	18	39	10.4%	37.337	N	3.377	W	5	G			0.3	5	SPAIN. mbLg 2.4 (MDD).
	04	20	44	51.9*	30.213	S	71.264	W	143	?			0.8	19	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	04	22	14	51.5*	13.091	N	145.185	E	71	*	4.4		0.7	14	MARIANA ISLANDS. Felt (IV) at Agat, Andersen AFB, and Yona; (III) at Agana, Mangilao, Potts Junction, Tamuning and Tumon, Guam.
a	04	23	14	42.0	43.251	N	147.449	E	49	D	5.3	4.7	1.0	185	KURIL ISLANDS. Mw 5.3 (HRV). Felt (VI) on Shikotan; (IV) at Mendeleyevo and Golovnino, Kunashir; (III) at Burevestnik and (II) at Kurilsk, Iturup.
	04	23	38	26.3?	40.19	N	141.94	E	122	?	3.9		1.0	12	NEAR EAST COAST OF HONSHU, JAPAN
	04	23	58	05.2?	37.33	N	3.41	W	10	G			0.1	4	SPAIN. mbLg 2.1 (MDD).
	04	23	58	31.7	34.653	N	21.875	E	105	?	3.6		0.8	23	CENTRAL MEDITERRANEAN SEA
	05	00	25	01.6?	37.33	N	3.42	W	10	G			0.1	4	SPAIN. mbLg 2.2 (MDD).
	05	00	34	56.8*	29.094	N	103.945	E	33	N	4.4		0.9	16	SICHUAN, CHINA
	05	01	09	49.3	14.965	N	94.086	W	49	D	4.7		1.2	58	OFF COAST OF CHIAPAS, MEXICO
	05	01	29	17.1*	32.668	S	70.825	W	70	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	05	01	52	51.9%	27.847	N	33.068	E	10	G			0.4	8	EGYPT. MD 3.6 (HLW), 3.4 (RYD).
	05	04	48	03.1	40.830	N	22.967	E	12				1.1	36	GREECE. ML 3.7 (THE). MD 3.8 (ATH). Felt at Kilkis, Langadhas and Thessaloniki.
	05	04	48	30.2%	40.834	N	22.894	E	10	G			1.4	7	GREECE
	05	05	01	03.2%	44.619	N	6.675	E	10	G			0.6	7	FRANCE. ML 2.0 (GEN).
	05	05	34	31.9*	12.659	N	125.384	E	43	?	4.2		1.3	15	SAMAR, PHILIPPINE ISLANDS
	05	07	47	27.9%	40.815	N	22.935	E	10	G			0.2	7	GREECE

	05	08	06	54.9*	17.503	S	168.142	E	33	N	4.4	0.6	14	VANUATU ISLANDS
	05	08	33	02.6%	40.819	N	22.943	E	10	G		0.4	7	GREECE
a	05	09	18	43.1	39.319	N	143.366	E	32	D	5.3 5.1	0.9	149	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV).
	05	09	59	02.9%	42.543	N	18.723	E	10	G		0.7	6	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	05	10	47	38.9?	1.24	N	124.49	E	227	?	4.4	0.7	15	MINAHASSA PENINSULA, SULAWESI
	05	11	20	05.0?	42.57	N	134.82	E	33	N	4.0	0.6	7	NEAR SOUTHEAST COAST OF RUSSIA
	05	11	43	26.3	5.642	S	149.770	E	134		4.9	0.9	40	NEW BRITAIN REGION, P.N.G.
a	05	12	07	36.7	39.209	N	143.510	E	30	D	5.2 4.9	1.1	120	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV).
	05	12	46	01.1	59.598	N	56.645	E	10	G	4.8	1.1	58	URAL MOUNTAINS REGION, RUSSIA. Possible implosion at the Silvinit Salt Mine near Solikamsk. The ventilation systems at the mine were destroyed, hydrogen and methane gas built up, then exploded, causing a fire that burned for 3 days. Three meters of surface subsidence occurred over an area of nearly 1 square km. Felt (V) at Solikamsk.
	05	13	29	54.9	27.717	N	139.922	E	469	*	4.8	0.7	36	BONIN ISLANDS REGION
	05	14	13	00.9&	59.903	N	152.246	W	85				39	SOUTHERN ALASKA. <AEIC>.
	05	14	29	38.8	40.818	N	22.960	E	10	G		0.6	24	GREECE. MD 3.5 (ATH).
	05	14	34	39.1	40.824	N	22.945	E	5	G		0.4	9	GREECE. ML 2.0 (SKO).
	05	15	02	53.2	40.805	N	22.983	E	10	G		1.3	11	GREECE. ML 2.5 (SKO).
	05	15	34	37.6?	47.19	N	12.23	E	10	G		0.3	5	AUSTRIA. ML 1.0 (VIE).
	05	15	52	45.2*	18.467	N	145.724	E	162	D	4.3	1.1	30	MARIANA ISLANDS
	05	16	50	24.2	14.295	N	92.945	W	10	G		0.5	12	NEAR COAST OF CHIAPAS, MEXICO. MD 4.3 (GCG).
	05	16	59	18.3	15.230	S	167.356	E	139	*	5.1	0.8	70	VANUATU ISLANDS
	05	17	40	11.1?	40.82	N	22.95	E	5	G		0.2	4	GREECE
	05	17	58	15.8	44.602	N	7.246	E	10	G		0.7	19	NORTHERN ITALY. ML 3.0 (LDG), 2.9 (GEN).
	05	18	13	22.1*	72.043	N	0.108	E	10	G	3.7	1.2	10	NORWEGIAN SEA
	05	18	57	18.7*	45.993	N	85.550	E	33	N	4.1	0.8	14	NORTHERN XINJIANG, CHINA
	05	19	17	45.1	51.678	N	16.147	E	10	G		1.2	26	POLAND. ML 3.8 (GRF), 3.7 (VIE), 3.5 (MOX).
	05	19	34	20.4*	21.548	N	143.242	E	286	?	3.9	0.7	16	MARIANA ISLANDS REGION
	05	20	00	47.2	40.823	N	22.942	E	5	G		0.4	9	GREECE. ML 2.1 (SKO).
	05	20	05	57.7*	9.875	S	118.586	E	33	N	4.9	1.2	16	SUMBAWA REGION, INDONESIA
	05	20	42	17.4%	44.396	N	7.300	E	10	G		0.2	7	NORTHERN ITALY. ML 1.9 (GEN).
	05	20	57	43.3	39.787	N	25.647	E	14		3.9	1.0	41	AEGEAN SEA. MD 4.0 (ATH).
	05	21	01	57.2&	57.938	N	155.158	W	46		3.6		45	ALASKA PENINSULA. <AEIC>. ML 3.6 (AEIC).
	05	21	14	04.8*	42.423	N	0.533	E	10	G		1.0	5	PYRENEES. mbLg 2.1 (MDD).
	05	21	49	44.0	40.311	N	143.532	E	25		4.9 3.7	0.8	57	OFF EAST COAST OF HONSHU, JAPAN
a	05	23	30	07.4	22.033	S	168.902	E	29	D	5.6 5.4	1.0	181	NEW CALEDONIA. Mw 5.7 (HRV). Mo=3.7*10**17 Nm (PPT).
	05	23	30	30.6*	40.027	N	19.724	E	10	G		0.5	12	ALBANIA. ML 2.9 (TIR).
	06	00	12	02.4&	38.768	N	119.719	W	1		4.2		102	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 4.3 (GM). ML 4.4 (GS), 4.7 (BRK). Felt (V) at Yerington and (III) at Genoa and Smith, Nevada. Felt (III) at South Lake Tahoe, California. Also felt at Carson City and Gardnerville, Nevada.
	06	00	14	49.3*	13.573	S	75.737	W	33	N		1.5	8	CENTRAL PERU. Felt (III) at Chincha Alta and Pisco.
	06	02	44	49.2	37.103	N	28.287	E	10	G	4.0	0.9	17	TURKEY. MD 3.7 (ATH). Felt at Mugla.
	06	03	31	43.1	13.903	N	91.164	W	85		4.5	0.9	29	NEAR COAST OF GUATEMALA. MD 4.3 (GCG). Felt (III) at Ahuachapan, El Salvador.
	06	03	48	11.0	28.562	S	70.776	W	90	*	4.0	1.0	28	CENTRAL CHILE. Felt (III) at Copiapo.
	06	03	57	21.0&	36.246	N	120.821	W	8				61	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.0 (BRK), 3.0 (PAS), 3.0 (GS).
	06	05	23	40.4?	36.24	N	71.76	E	33	N	4.0	1.0	7	AFGHANISTAN-TAJIKISTAN BORD REG.
	06	05	58	19.1*	16.882	S	174.236	W	122	D	4.6	0.9	30	TONGA ISLANDS
	06	05	59	52.7%	42.401	N	19.806	E	10	G		0.2	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	06	06	41	30.7	9.247	N	121.354	E	33	N	4.4	0.8	22	SULU SEA
	06	06	53	48.5&	34.562	N	116.520	W	4				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	06	07	24	06.3%	29.000	N	34.876	E	10	G		0.3	6	EGYPT. MD 2.5 (RYD).
	06	07	58	37.0%	44.236	N	8.245	E	10	G		0.2	7	NORTHERN ITALY. ML 2.0 (GEN).
	06	08	05	03.7%	44.235	N	8.243	E	10	G		0.4	7	NORTHERN ITALY. ML 2.0 (GEN).
	06	08	27	31.6%	44.237	N	8.250	E	10	G		0.1	7	NORTHERN ITALY. ML 1.9 (GEN).
	06	08	32	43.4%	44.237	N	8.250	E	10	G		0.2	8	NORTHERN ITALY. ML 2.1 (GEN).
	06	08	33	58.8%	44.242	N	8.240	E	10	G		0.3	8	NORTHERN ITALY. ML 2.2 (GEN).
	06	08	55	53.2?	44.07	N	8.36	E	10	G		0.6	5	NORTHERN ITALY. ML 1.8 (GEN).
	06	09	12	19.4%	44.238	N	8.235	E	10	G		0.4	6	NORTHERN ITALY. ML 1.7 (GEN).
	06	09	17	43.0?	26.84	N	34.78	E	10	G		1.0	6	RED SEA. MD 2.7 (RYD).
	06	09	24	22.7	44.238	N	8.249	E	10	G		0.2	7	NORTHERN ITALY. ML 2.0 (GEN).
	06	09	30	23.4	40.781	N	22.931	E	10	G		1.0	18	GREECE. MD 3.2 (ATH). ML 3.0 (SKO).
	06	09	34	08.8%	44.258	N	8.240	E	5	G		0.4	8	NORTHERN ITALY. ML 2.2 (GEN).
	06	09	40	29.3	34.018	N	139.140	E	18		4.8	0.9	49	NEAR S. COAST OF HONSHU, JAPAN. Felt (IV JMA) on Kozu-shima and (I JMA) on Miyake-jima.
	06	09	44	33.0?	40.81	N	22.95	E	10	G		0.3	4	GREECE
	06	10	14	50.3%	44.239	N	8.245	E	10	G		0.2	8	NORTHERN ITALY. ML 2.2 (GEN).
	06	11	53	40.3*	27.940	N	139.582	E	511	?	4.5	0.7	22	BONIN ISLANDS REGION
	06	11	57	48.0%	44.504	N	7.304	E	10	G		0.2	5	NORTHERN ITALY. ML 2.1 (GEN).
	06	12	33	14.1?	44.28	N	8.24	E	5	G		0.4	4	NORTHERN ITALY. ML 1.7 (GEN).
	06	13	04	29.0?	6.61	S	148.08	E	33	N	4.5	1.4	9	NEW BRITAIN REGION, P.N.G.
	06	13	22	14.6?	44.28	N	8.23	E	5	G		0.2	4	NORTHERN ITALY. ML 1.6 (GEN).
	06	14	25	51.0	44.976	N	146.462	E	33	N	4.8	1.2	62	KURIL ISLANDS
	06	15	08	24.2%	33.772	S	71.281	W	33	N		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	06	15	24	10.4?	15.76	N	97.11	W	10	G	4.0	1.3	9	NEAR COAST OF OAXACA, MEXICO
	06	15	46	32.5?	41.34	S	174.08	E	70	G	5.1	0.3	10	COOK STRAIT, NEW ZEALAND. Felt at Nelson, South Island and at Wellington, North Island.
	06	15	57	34.7*	56.947	S	27.021	W	179	?	4.4	1.1	19	SOUTH SANDWICH ISLANDS REGION
a	06	16	41	30.8	39.115	N	143.511	E	18		5.2 5.1	0.9	161	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.4 (HRV).
	06	17	38	20.1*	29.639	N	113.819	W	10	G	4.1	1.0	19	GULF OF CALIFORNIA
	06	17	40	15.9*	32.534	S	71.621	W	10	G		0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	06	17	42	52.9%	33.143	S	70.222	W	10	G		0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
a	06	18	01	12.8	56.497	S	25.319	W	33	N	5.2 4.8	0.8	76	SOUTH SANDWICH ISLANDS REGION. Mw 5.5 (HRV).
	06	18	12	13.4%	44.252	N	8.267	E	5	G		0.5	7	NORTHERN ITALY. ML 2.0 (GEN).
	06	18	29	07.0*	18.749	S	67.061	W	265		3.9	0.7	9	CENTRAL BOLIVIA
	06	18	45	51.4	44.243	N	8.258	E	10	G		0.4	13	NORTHERN ITALY. ML 2.4 (GEN), 2.3 (LDG).
	06	18	47	03.5%	44.272	N	8.230	E	5	G		0.4	5	NORTHERN ITALY. ML 1.6 (GEN).
	06	18	54	03.1?	37.05	N	3.93	W	10	G		0.5	4	SPAIN. mbLg 2.5 (MDD).

a	06	19	01	51.0	56.627	S	25.724	W	33	N	5.0		1.1	42	SOUTH SANDWICH ISLANDS REGION. Mw 5.4 (HRV).
	06	19	12	28.3&	47.288	N	122.691	W	46					67	WASHINGTON. <SEA-P>. MD 3.1 (SEA).
	06	19	14	47.3	43.305	N	127.441	W	10	G	2.8		0.5	69	OFF COAST OF OREGON. MD 3.1 (SEA).
	06	19	15	05.0%	44.234	N	8.252	E	10	G			0.2	8	NORTHERN ITALY. ML 2.0 (GEN).
	06	19	16	17.2%	44.221	N	8.275	E	10	G			0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
	06	19	36	43.3?	44.27	N	8.24	E	5	G			0.4	4	NORTHERN ITALY. ML 1.6 (GEN).
	06	19	45	42.5	41.965	N	19.501	E	29		4.0		1.3	125	ALBANIA. ML 4.1 (TIR), 4.1 (TTG). Felt (IV) at Peshkopi and Shkoder.
	06	20	41	15.8?	56.22	S	24.47	W	33	N	4.6		1.4	14	SOUTH SANDWICH ISLANDS REGION
	06	21	07	49.8	44.244	N	8.250	E	10	G			0.5	13	NORTHERN ITALY. ML 2.3 (GEN), 2.1 (LDG).
	06	21	19	34.6	44.239	N	8.244	E	10	G			0.7	17	NORTHERN ITALY. ML 2.6 (GEN), 2.3 (LDG).
	06	21	20	23.0%	44.242	N	8.254	E	10	G			0.1	7	NORTHERN ITALY. ML 1.8 (GEN).
	06	21	25	22.0%	44.262	N	8.240	E	5	G			0.4	5	NORTHERN ITALY. ML 1.7 (GEN).
	06	21	26	55.1*	26.248	S	71.086	W	82	?			1.2	14	OFF COAST OF NORTHERN CHILE. Felt (III) at Chanaral and Copiapo.
	06	21	39	41.8?	44.28	N	8.23	E	5	G			0.4	4	NORTHERN ITALY. ML 1.6 (GEN).
	06	21	42	20.1*	17.922	N	81.466	W	10	G	4.4		1.2	29	CARIBBEAN SEA
a	06	21	59	28.6	9.189	N	126.179	E	32	G	5.9	5.3	1.0	299	MINDANAO, PHILIPPINE ISLANDS. Mw 5.7 (GS), 5.8 (HRV). Felt (V RF) at Butuan and Surigao; (III RF) at Bislig. Depth from broadband displacement seismograms.
	06	22	00	16.7	44.246	N	8.268	E	10	G			0.7	12	NORTHERN ITALY. ML 2.3 (GEN), 2.3 (LDG).
	06	22	06	16.4*	40.865	N	20.832	E	10	G			0.9	6	GREECE-ALBANIA BORDER REGION. ML 1.5 (SKO).
	06	22	14	38.6&	35.031	N	116.990	W	8					39	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.1 (GS).
	06	22	28	59.1	44.257	N	8.244	E	5	G			0.5	8	NORTHERN ITALY. ML 2.0 (GEN).
a	06	22	37	34.3	40.246	N	142.175	E	27	G	6.7	6.9	0.9	611	NEAR EAST COAST OF HONSHU, JAPAN. Mw 6.9 (GS), 7.0 (HRV). Ms 6.6 (BRK). Mo=5.0*10**19 Nm (PPT), 1.0*10**20 Nm (OBN). At least 29 people injured in Aomori and Iwate Prefectures and about 5,000 homes lost water and sewer services in the region. Felt (V JMA) at Hachinohe and Morioka; (IV JMA) at Aomori, Miyako, Mutsu and Ofunato; (III JMA) at Akita and Sendai. Felt (V) at Misawa and as far south as Tokyo. Also felt (III JMA) at Kushiro, Obihiro, Otaru and Tomakomai, Hokkaido. Two events about 1.9 seconds apart. Depth from broadband displacement seismograms, based on first event.
	06	23	00	58.1?	40.58	N	142.58	E	33	N	4.4		1.6	9	NEAR EAST COAST OF HONSHU, JAPAN
	06	23	42	10.8*	42.887	N	0.136	E	5	G			1.5	5	PYRENEES. ML 2.8 (LDG). mbLg 2.6 (MDD).
	06	23	47	08.6	51.309	N	179.567	E	33	N	5.3		0.8	227	RAT ISLANDS, ALEUTIAN ISLANDS
	06	23	54	58.0%	44.226	N	8.260	E	10	G			0.1	5	NORTHERN ITALY. ML 1.7 (GEN).
	07	00	16	58.9%	28.989	N	34.877	E	10	G			0.5	6	EGYPT
	07	01	25	05.1	4.733	N	94.436	E	33	N	4.8		0.9	30	OFF W COAST OF NORTHERN SUMATERA
	07	01	52	53.3?	41.30	N	142.24	E	85	?	4.7		0.2	5	HOKKAIDO, JAPAN REGION
	07	01	54	35.9	42.078	N	19.641	E	5	G			0.7	18	NORTHWESTERN BALKAN REGION. ML 3.2 (TTG).
	07	02	13	28.0	1.570	S	78.010	W	166	D	5.4		0.9	325	ECUADOR
a	07	02	36	06.7	40.258	N	142.364	E	32	G	6.3	5.7	0.8	510	NEAR EAST COAST OF HONSHU, JAPAN. Mw 6.0 (GS), 6.0 (HRV). Felt (V) at Misawa. Depth from broadband displacement seismograms.
	07	02	36	30.6*	14.023	N	92.389	W	33	N	4.3		1.2	30	NEAR COAST OF CHIAPAS, MEXICO
	07	03	12	12.1	46.177	N	2.839	E	10	G			0.6	9	FRANCE. ML 2.2 (LDG).
	07	03	21	47.1?	32.69	S	69.84	W	120	G			0.3	9	MENDOZA PROVINCE, ARGENTINA. MD 3.6 (SAN).
	07	05	01	48.2?	30.95	S	68.81	W	170	G			0.5	11	SAN JUAN PROVINCE, ARGENTINA. MD 4.1 (SAN).
	07	05	26	23.0	47.463	N	1.733	W	10	G			0.8	4	FRANCE. ML 2.5 (LDG).
	07	05	38	12.0*	10.953	N	140.038	E	33	N	4.6		0.9	24	WESTERN CAROLINE ISLANDS
	07	05	58	15.9	42.069	N	19.683	E	10	G			0.8	13	NORTHWESTERN BALKAN REGION. ML 2.2 (TIR), 2.0 (TTG).
	07	06	12	26.5?	7.65	S	129.24	E	187	?	4.9		1.3	11	BANDA SEA
	07	07	05	13.1?	31.45	S	70.43	W	140	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	07	07	14	49.7	40.181	N	142.475	E	44	D	5.1	4.4	0.9	109	NEAR EAST COAST OF HONSHU, JAPAN
	07	08	24	34.8	2.511	N	128.383	E	100	*	5.2		0.5	24	HALMAHERA, INDONESIA
	07	08	44	34.2	38.753	N	21.721	E	5	G			0.6	11	GREECE. MD 3.1 (ATH).
	07	08	48	13.5	44.271	N	7.170	E	10	G			0.3	15	NORTHERN ITALY. ML 2.4 (GEN), 2.2 (LDG).
	07	09	21	25.9	36.591	N	5.508	W	5	G			0.8	9	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD). MD 2.8 (SFS).
	07	10	14	24.1	40.258	N	143.146	E	15	D	4.9	4.4	1.2	72	OFF EAST COAST OF HONSHU, JAPAN
	07	10	38	05.5&	33.816	N	116.199	W	6					27	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.9 (GS).
	07	12	34	38.7	36.347	N	139.892	E	69	D	4.9		0.9	141	EASTERN HONSHU, JAPAN. Felt (IV JMA) at Mito; (III JMA) at Ajiro, Chiba, Chichibu, Kumagaya, Shirakawa, Tokyo, Utsunomiya and Yokohama.
a	07	13	24	46.8	40.237	N	143.381	E	32	D	5.5	5.0	0.9	179	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.2 (HRV).
	07	13	57	19.1	47.771	N	7.728	E	10	G			0.8	11	SWITZERLAND. ML 2.7 (LDG).
	07	14	20	36.6&	36.810	N	121.536	W	7					31	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.8 (GS).
	07	14	22	32.8*	38.326	N	20.576	E	5	G			1.5	6	GREECE. MD 3.3 (ATH).
	07	14	23	06.8*	17.340	S	167.835	E	33	N	4.1		0.9	12	VANUATU ISLANDS
	07	14	46	58.2	36.576	N	5.422	W	5	G			1.2	11	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
	07	14	53	40.0&	36.811	N	121.536	W	7					67	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.2 (GS), 3.3 (BRK). Felt in the epicentral area.
	07	15	02	09.0%	14.823	N	60.555	W	60	G			0.6	9	WINDWARD ISLANDS. MD 3.3 (TRN).
	07	15	02	59.8*	9.025	S	110.755	E	115	?	4.7		0.8	20	SOUTH OF JAWA, INDONESIA
	07	15	14	03.4	36.830	N	5.703	W	10	G			0.6	8	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD). MD 2.4 (SFS).
	07	15	18	50.3	36.788	N	5.695	W	10	G			0.6	7	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD). MD 2.6 (SFS).
	07	15	20	01.2&	66.477	N	148.781	W	20	G				18	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
	07	15	29	54.8	36.751	N	5.745	W	10	G			1.1	9	STRAIT OF GIBRALTAR. MD 2.7 (SFS). mbLg 2.7 (MDD).
	07	15	42	35.2	5.389	S	102.570	E	33	N	4.9		0.8	27	SOUTHERN SUMATERA, INDONESIA
	07	15	57	58.6	36.370	N	70.687	E	208		4.6		1.0	139	HINDU KUSH REGION, AFGHANISTAN
	07	17	51	29.0*	11.652	S	165.652	E	33	N	4.2		0.6	17	SANTA CRUZ ISLANDS
	07	18	10	03.0%	33.985	S	70.133	W	10	G			0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
	07	18	30	50.7?	44.26	N	8.25	E	5	G			0.1	4	NORTHERN ITALY. ML 1.6 (GEN).
	07	18	35	22.1*	51.714	N	7.812	E	10	G			0.6	7	GERMANY. ML 2.6 (UCC), 2.5 (DBN).
	07	18	37	28.9	9.231	S	117.111	E	33	N	4.2		0.9	12	SUMBAWA REGION, INDONESIA
	07	18	54	56.1&	36.812	N	121.530	W	7					31	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
	07	19	28	17.5	36.360	N	139.958	E	77		4.5		1.1	44	EASTERN HONSHU, JAPAN
	07	19	39	42.2%	40.811	N	22.946	E	5	G			0.4	6	GREECE
	07	19	42	01.0&	61.920	N	150.820	W	67		2.9			79	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.6 (PMR).
	07	20	30	50.4	37.906	N	19.959	E	35		4.7		1.3	187	IONIAN SEA. ML 5.0 (TTG), 4.7 (ATH), 4.6 (TIR). MD 4.5 (HLW).

	07	20	38	20.1	44.235	N	8.251	E	10	G		0.5	15 NORTHERN ITALY. ML 2.5 (LDG), 2.5 (GEN).
	07	21	16	45.3	44.235	N	8.276	E	10	G		0.3	9 NORTHERN ITALY. ML 2.0 (GEN).
	07	21	19	48.0&	61.688	N	149.784	W	45				60 SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).
	07	23	45	35.2*	40.267	N	142.405	E	73	?	4.0	0.9	16 NEAR EAST COAST OF HONSHU, JAPAN
	07	23	59	49.8?	34.49	S	70.54	W	120	G		0.2	8 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	08	01	00	40.3	40.336	N	127.192	W	10	G	4.3	1.0	145 OFF COAST OF NORTHERN CALIFORNIA. ML 4.5 (BRK). Mo=1.4*10**16 Nm (BRK).
	08	01	33	59.0*	11.160	S	112.376	E	33	N	3.9	0.7	7 SOUTH OF JAWA, INDONESIA
	08	02	13	15.9&	58.953	N	153.074	W	68				39 KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).
	08	02	46	09.6*	51.201	N	15.862	E	10	G		0.6	7 POLAND
	08	02	53	20.6&	58.718	N	156.251	W	201				42 ALASKA PENINSULA. <AEIC>.
	08	03	20	18.8&	61.146	N	150.931	W	64				47 SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	08	04	27	20.8?	34.97	S	71.56	W	90	G		0.9	9 NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	08	05	07	18.3&	44.230	N	8.258	E	10	G		0.3	5 NORTHERN ITALY. ML 1.8 (GEN).
	08	05	08	02.9&	40.300	N	76.000	W	5	G			7 PENNSYLVANIA. <MACRO>. mbLg 2.5 (GS). Felt in Berks County.
	08	05	26	04.5?	24.92	N	141.10	E	150	G	4.3	0.6	7 VOLCANO ISLANDS REGION
	08	05	27	55.8?	40.05	N	143.10	E	73	?	3.8	1.1	14 OFF EAST COAST OF HONSHU, JAPAN
	08	05	59	53.4&	37.195	N	3.673	W	10	G		1.0	6 SPAIN. mbLg 2.2 (MDD).
	08	06	22	33.4&	44.541	N	6.852	E	10	G		0.3	6 FRANCE. ML 1.8 (GEN).
a	08	07	14	16.9	5.475	S	146.657	E	158		4.9	0.8	56 EASTERN NEW GUINEA REG., P.N.G. Mw 5.2 (HRV).
	08	07	33	45.5	36.956	N	28.993	E	10	G		0.9	8 DODECANESE ISLANDS. MD 3.8 (ATH), 3.4 (ISK).
	08	08	19	10.7?	40.69	N	22.72	E	5	G		0.5	4 GREECE
	08	08	35	47.1*	40.387	N	142.231	E	65	*	3.9	0.6	18 NEAR EAST COAST OF HONSHU, JAPAN
a	08	09	22	18.8	8.496	S	74.307	W	149	D	5.1	0.8	131 PERU-BRAZIL BORDER REGION. Mw 5.3 (HRV).
	08	09	37	13.9	40.184	N	142.449	E	45	D	5.0 4.4	1.0	86 NEAR EAST COAST OF HONSHU, JAPAN. Felt (III) at Misawa.
	08	10	02	13.6?	40.75	N	29.57	E	10	G		0.9	4 TURKEY. MD 2.6 (ISK).
	08	11	17	09.9*	16.451	N	98.131	W	45	*	4.1	1.3	29 NEAR COAST OF GUERRERO, MEXICO
	08	12	39	35.4*	7.892	N	83.003	W	27	*	4.6	1.2	16 OFF COAST OF COSTA RICA. MD 4.6 (UPA).
	08	13	01	44.7&	33.523	S	70.843	W	70	G		0.3	9 CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
	08	13	08	54.9	39.329	N	25.550	E	27		4.2	0.9	77 AEGEAN SEA. MD 4.2 (ATH), 4.1 (ISK). Felt in the Canakkale area, Turkey.
	08	13	36	52.2&	28.975	N	34.892	E	10	G		0.6	5 EGYPT. MD 2.0 (RYD).
a	08	13	41	13.9*	27.032	S	176.104	W	67	?	5.0	1.5	12 KERMADEC ISLANDS REGION. Mw 5.3 (HRV).
	08	14	25	55.5*	0.553	S	13.761	W	10	G	4.8	1.5	10 NORTH OF ASCENSION ISLAND
	08	14	31	11.7*	36.572	N	7.720	W	10	G	3.6	1.4	22 STRAIT OF GIBRALTAR. mbLg 3.2 (MDD). MD 3.2 (RBA).
	08	18	28	32.8	40.196	N	143.980	E	28		4.6	0.6	15 OFF EAST COAST OF HONSHU, JAPAN
	08	18	35	51.0&	44.745	N	6.661	E	10	G		0.4	7 FRANCE. ML 1.9 (GEN).
	08	19	12	44.2?	36.57	N	28.60	E	33	N		0.8	4 DODECANESE ISLANDS. MD 3.0 (ISK).
	08	19	24	57.9	36.542	N	71.351	E	206	*	5.4	1.0	30 AFGHANISTAN-TAJIKISTAN BORD REG.
	08	19	28	55.7&	44.987	N	8.161	E	5	G		0.5	12 NORTHERN ITALY. ML 2.3 (GEN).
	08	19	57	27.8&	39.607	N	2.146	W	5	G		1.5	5 SPAIN. mbLg 2.3 (MDD).
	08	20	25	19.4?	44.45	N	7.29	E	5	G		0.0	4 NORTHERN ITALY. ML 1.5 (GEN).
	08	20	38	22.3	38.590	N	20.463	E	10	G		1.1	16 GREECE. MD 3.4 (ATH).
	08	20	44	38.2*	31.964	S	71.821	W	10	G		0.4	10 NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
	08	21	00	15.7&	63.201	N	150.594	W	128		3.5		82 CENTRAL ALASKA. <AEIC>.
	08	21	09	36.2	20.798	N	120.888	E	33	D	4.5	0.9	19 PHILIPPINE ISLANDS REGION
	08	22	20	50.6&	46.336	N	3.450	E	10	G		0.9	6 FRANCE. ML 1.5 (LDG).
	08	22	29	57.3	39.796	N	30.508	E	10	G		0.9	28 TURKEY. MD 3.7 (ISK).
	08	22	33	03.1	46.573	N	9.342	E	5	G		0.9	48 SWITZERLAND. ML 2.8 (LDG), 2.8 (VIE), 2.7 (FUR).
	08	22	40	23.3?	39.76	N	30.77	E	5	G		1.5	4 TURKEY. MD 2.8 (ISK).
	08	22	48	00.0?	38.72	N	22.16	E	10	G		0.3	5 GREECE
	08	22	50	56.5&	39.773	N	30.814	E	5	G		0.6	10 TURKEY. MD 3.1 (ISK).
	08	22	53	16.8	39.786	N	30.388	E	5	G		1.3	11 TURKEY. MD 3.2 (ISK).
	08	23	16	40.3	42.481	N	2.259	E	5	G		1.2	7 PYRENEES. ML 3.2 (LDG). mbLg 3.2 (MDD). Felt in the Quillan area, France
	08	23	25	28.5&	39.831	N	30.924	E	10	G		0.6	8 TURKEY. MD 2.9 (ISK).
	08	23	36	16.7&	62.410	N	149.450	W	71				37 CENTRAL ALASKA. <AEIC>.
	08	23	44	29.0	39.791	N	30.363	E	10	G		1.4	13 TURKEY. MD 3.3 (ISK).
	09	00	41	58.0?	37.15	N	3.95	W	10	G		1.1	4 SPAIN. mbLg 2.2 (MDD).
	09	02	27	11.5?	44.25	N	8.24	E	10	G		0.1	4 NORTHERN ITALY. ML 1.4 (GEN).
	09	02	34	14.5	13.614	N	144.486	E	111		4.4	0.7	29 MARIANA ISLANDS. Felt (IV) in central and (III) in northern Guam.
	09	02	44	34.0&	33.213	S	70.082	W	110	G		0.1	9 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	09	03	19	26.4	5.292	S	150.440	E	176	*	4.5	0.8	18 NEW BRITAIN REGION, P.N.G.
	09	03	32	47.0&	28.965	N	34.872	E	10	G		0.4	6 EGYPT. MD 3.3 (RYD).
	09	03	50	07.4&	28.987	N	34.844	E	10	G		0.1	5 EGYPT
	09	03	56	45.3	44.532	N	147.992	E	33	N	4.5	0.7	42 KURIL ISLANDS
	09	03	59	23.6&	33.555	S	69.978	W	10	G		0.3	9 CHILE-ARGENTINA BORDER REGION
	09	05	16	07.3*	23.989	S	66.599	W	187	*	4.3	1.0	23 JUJUY PROVINCE, ARGENTINA
	09	05	33	57.1*	21.542	S	120.621	E	10	G		1.4	8 WESTERN AUSTRALIA
	09	05	34	41.8?	10.94	N	62.18	W	90	G		0.4	6 NEAR COAST OF VENEZUELA. MD 3.0 (TRN).
	09	06	03	46.1?	44.22	N	8.27	E	10	G		0.2	4 NORTHERN ITALY. ML 1.4 (GEN).
	09	06	35	40.5*	46.926	N	152.971	E	33	N	4.0	0.9	22 KURIL ISLANDS
	09	06	47	05.2&	33.812	S	70.562	W	90	G		0.2	9 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	09	06	50	14.1	51.300	N	130.330	W	10	G	4.4	0.9	81 QUEEN CHARLOTTE ISLANDS REGION. ML 4.5 (PGC).
	09	06	56	43.5&	33.702	S	71.323	W	50	G		1.2	9 NEAR COAST OF CENTRAL CHILE
	09	07	58	29.9&	44.232	N	8.244	E	10	G		0.1	8 NORTHERN ITALY. ML 1.8 (GEN).
	09	08	06	15.6&	44.226	N	8.264	E	10	G		0.2	8 NORTHERN ITALY. ML 1.5 (GEN).
	09	08	34	12.0	45.473	N	151.634	E	33	N	4.9	1.0	62 KURIL ISLANDS
	09	08	53	42.7*	5.699	N	127.197	E	146	*	4.5	0.6	19 PHILIPPINE ISLANDS REGION
	09	10	04	02.6&	44.234	N	8.244	E	10	G		0.2	8 NORTHERN ITALY. ML 1.8 (GEN).
	09	10	12	09.9&	44.225	N	8.259	E	10	G		0.2	9 NORTHERN ITALY. ML 2.2 (GEN).
	09	10	13	55.1&	44.234	N	8.247	E	10	G		0.2	6 NORTHERN ITALY. ML 1.7 (GEN).
	09	10	14	19.1&	44.227	N	8.266	E	10	G		0.2	9 NORTHERN ITALY. ML 2.2 (GEN).
	09	10	15	15.0?	44.24	N	8.25	E	10	G		0.1	4 NORTHERN ITALY. ML 1.5 (GEN).
	09	11	20	06.6&	44.236	N	7.122	E	10	G		0.2	8 NORTHERN ITALY. ML 2.1 (GEN).
	09	11	22	19.3?	39.73	N	29.55	E	10	G		0.2	4 TURKEY. MD 2.7 (ISK).
	09	11	25	57.2&	44.237	N	7.117	E	5	G		0.4	6 NORTHERN ITALY. ML 1.8 (GEN).
	09	13	38	07.7*	38.732	N	27.675	E	10	G		0.4	6 TURKEY. MD 3.0 (ISK).
	09	13	47	02.9?	28.60	N	139.77	E	394	*	4.2	0.8	13 BONIN ISLANDS REGION
	09	13	53	06.2?	36.60	N	2.46	W	5	G		0.5	6 STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
	09	14	13	42.3*	13.979	S	169.344	W	33	N	4.2	0.9	15 SAMOA ISLANDS

	09	14 34	20.3&	59.038	N	150.767	W	52				56	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	09	16 16	33.8	44.243	N	7.145	E	5	G		0.9	9	NORTHERN ITALY. ML 2.1 (GEN), 2.0 (LDG).
	09	16 22	39.7	40.025	N	19.786	E	5	G		0.7	20	ALBANIA. MD 3.1 (ATH). ML 2.9 (TTG).
	09	16 23	56.3?	32.18	S	71.21	W	80	G		0.2	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	09	16 35	46.7?	3.34	S	134.69	E	10	G	4.5	0.1	5	IRIAN JAYA REGION, INDONESIA
	09	16 51	59.7	41.188	N	20.160	E	5	G		1.0	13	ALBANIA. ML 3.1 (TIR), 3.0 (TTG).
	09	17 05	32.1&	59.822	N	152.895	W	94				89	SOUTHERN ALASKA. <AEIC>.
	09	17 12	26.8%	44.548	N	7.511	E	10	G		0.2	7	NORTHERN ITALY. ML 1.8 (GEN).
	09	17 24	15.6&	62.221	N	148.470	W	27				70	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
	09	17 39	38.0	38.667	N	27.061	E	5	G		1.1	15	TURKEY. ML 4.0 (ATH). MD 3.8 (ISK). Felt in the Izmir area.
a	09	17 57	18.0	1.459	N	90.563	W	10	G	5.0 5.0	1.3	77	GALAPAGOS ISLANDS REGION. Mw 5.6 (HRV).
a	09	18 00	17.8	35.880	N	141.343	E	33	D	5.7 5.6	0.9	305	NEAR EAST COAST OF HONSHU, JAPAN. Mw 5.9 (GS), 6.0 (HRV). Ms 5.4 (BRK). Mo=9.4*10**17 Nm (PPT). Felt (III JMA) at Choshi, Mito and Nikko.
	09	18 04	27.3	13.263	N	90.202	W	65		4.8	1.3	91	NEAR COAST OF GUATEMALA. MD 5.1 (GCG), 4.8 (SSS). Felt (III) at San Salvador, El Salvador.
	09	18 21	48.4?	13.67	S	169.42	W	33	N	4.2	1.1	26	SAMOA ISLANDS
	09	18 54	20.6	46.165	N	152.233	E	29	D	5.2	0.9	119	KURIL ISLANDS
	09	19 12	22.9&	59.709	N	153.673	W	125		3.1		39	SOUTHERN ALASKA. <AEIC>.
	09	19 14	01.9*	38.446	N	27.756	E	10	G		0.5	6	TURKEY. MD 3.2 (ISK).
	09	19 14	32.6*	1.146	N	78.873	W	33	N	4.4	1.2	20	COLOMBIA-ECUADOR BORDER REGION
	09	19 42	19.2?	6.18	S	130.92	E	55	?	3.5	1.3	7	BANDA SEA
	09	19 46	52.3?	13.74	S	169.42	W	33	N	4.1	1.0	18	SAMOA ISLANDS
	09	19 50	08.3	17.842	S	178.740	W	607		4.6	0.8	77	FIJI ISLANDS REGION
	09	20 05	57.8	26.416	S	27.385	E	5	G		0.9	9	REPUBLIC OF SOUTH AFRICA. ML 3.5 (PRE).
	09	21 14	09.5	40.535	N	23.667	E	5	G		0.4	7	GREECE
	09	21 19	45.6?	34.78	S	71.92	W	33	N		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	09	21 30	35.0	43.039	N	0.357	W	10	G		0.4	7	PYRENEES. ML 2.3 (LDG). Felt in the Ossau Valley, France.
	09	21 37	50.2?	3.45	S	134.49	E	33	N	4.5	0.5	5	IRIAN JAYA REGION, INDONESIA
	09	21 49	11.4	19.738	S	173.920	W	47	D	5.1	1.3	68	TONGA ISLANDS
	09	22 02	06.3	35.668	N	22.370	E	70		4.1	0.9	34	CENTRAL MEDITERRANEAN SEA. MD 3.7 (ATH).
	09	22 17	39.2?	36.95	N	28.86	E	10	G		0.4	4	DODECANESE ISLANDS. MD 3.0 (ISK).
	09	22 17	44.3?	51.36	N	16.17	E	10	G		1.4	4	POLAND
	09	22 58	44.5%	40.077	N	28.052	E	5	G		0.5	5	TURKEY. MD 2.6 (ISK).
	09	23 01	13.1*	13.888	S	169.375	W	33	N	4.4	0.9	38	SAMOA ISLANDS
	10	00 36	37.3?	33.57	S	70.10	W	110	G		0.3	6	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	10	00 57	11.4%	33.469	S	70.382	W	100	G		0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
	10	01 08	51.3*	13.838	S	169.447	W	33	N	4.6	0.8	33	SAMOA ISLANDS
	10	01 46	54.2*	63.760	N	147.126	W	33	N		1.6	8	CENTRAL ALASKA. ML 2.8 (PMR).
	10	01 50	04.4*	26.473	S	176.249	W	33		4.5 4.2	1.3	17	SOUTH OF FIJI ISLANDS
	10	02 32	43.1*	40.357	N	142.209	E	33	N		1.1	5	NEAR EAST COAST OF HONSHU, JAPAN
	10	02 55	11.7	43.067	N	0.346	W	10	G		0.3	6	PYRENEES. ML 2.5 (LDG). MD 2.4 (BTH).
	10	02 59	04.3*	9.476	S	152.283	E	33	N	4.8	0.7	19	D'ENTRECASTEAUX ISLANDS REGION
	10	03 14	14.2*	1.385	N	90.553	W	10	G	4.4	1.3	38	GALAPAGOS ISLANDS REGION
	10	03 31	00.1*	52.424	S	27.805	E	10	G	4.6 4.3	1.1	18	SOUTH OF AFRICA
	10	04 08	27.3	38.334	N	21.551	E	5	G		1.2	21	GREECE. MD 3.5 (ATH).
a	10	04 28	02.6	1.486	N	90.627	W	10	G	4.9	1.0	69	GALAPAGOS ISLANDS REGION. Mw 5.1 (HRV).
	10	04 40	02.2*	13.884	S	169.338	W	33	N	4.7 4.8	0.9	30	SAMOA ISLANDS
	10	04 55	37.7%	42.605	N	19.014	E	10	G		0.4	8	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	10	05 03	17.1*	1.447	N	90.630	W	10	G	4.8 4.5	1.3	45	GALAPAGOS ISLANDS REGION
	10	05 03	33.3	42.599	N	18.994	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	10	05 21	08.1*	1.356	N	90.840	W	10	G	4.8	1.0	38	GALAPAGOS ISLANDS REGION
	10	07 40	55.0?	24.98	S	175.27	W	33	N	4.9 4.6	1.0	11	SOUTH OF TONGA ISLANDS
a	10	07 55	20.3	23.616	N	121.656	E	33	N	5.1 4.8	1.1	64	TAIWAN. Mw 5.2 (HRV).
	10	08 11	28.5*	37.176	N	71.611	E	100	?	4.1	1.1	11	AFGHANISTAN-TAJIKISTAN BORD REG.
	10	09 05	24.9?	37.24	N	24.53	W	10	G		0.4	7	AZORES ISLANDS REGION. MD 4.1 (PDA).
a	10	10 09	51.0	20.205	N	109.153	E	33	N	5.2 5.5	1.4	125	SOUTHEASTERN CHINA. Mw 5.5 (HRV). Felt on Hainan and along the southeastern coast of China from Beihai to Hong Kong.
	10	10 55	33.4	40.255	N	143.508	E	33	N	4.8	1.0	41	OFF EAST COAST OF HONSHU, JAPAN
	10	11 00	03.5	40.796	N	22.891	E	5	G		1.0	20	GREECE. ML 2.5 (SKO). MD 3.1 (ATH).
	10	11 03	54.3	16.534	S	69.258	W	171		5.1	1.1	57	PERU-BOLIVIA BORDER REGION
	10	11 16	22.2	41.829	N	141.785	E	33	N	5.0	0.9	68	HOKKAIDO, JAPAN REGION
	10	11 26	13.4	47.464	N	7.548	E	10	G		0.6	11	SWITZERLAND. ML 3.1 (LDG).
	10	11 40	21.0	40.823	N	22.935	E	10	G		0.3	8	GREECE. ML 2.0 (SKO).
	10	12 26	37.0*	40.295	N	28.021	E	10	G		0.7	5	TURKEY. MD 2.6 (ISK).
	10	13 18	59.3?	5.92	N	82.39	W	64	?	4.5	1.2	32	SOUTH OF PANAMA. MD 4.5 (UPA).
a	10	13 43	34.8*	13.929	S	169.316	W	33	N	4.6 4.7	1.1	45	SAMOA ISLANDS. Mw 5.2 (HRV).
	10	16 13	41.2%	42.052	N	19.636	E	10	G		0.4	9	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	10	16 46	07.6%	40.267	N	23.101	E	10	G		0.6	8	GREECE
	10	16 59	48.3&	60.093	N	152.795	W	94				55	SOUTHERN ALASKA. <AEIC>.
	10	17 02	04.3?	1.11	N	126.67	E	33	N	4.5	0.4	8	NORTHERN MOLUCCA SEA
	10	17 48	41.7%	33.140	S	70.283	W	5	G		0.4	7	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	10	18 44	01.4*	41.256	N	22.745	E	10	G		1.2	7	NORTHWESTERN BALKAN REGION. ML 1.5 (SKO).
	10	18 52	26.0	51.518	N	6.845	E	5	G		0.8	6	GERMANY. ML 2.8 (UCC). Probably mining induced.
	10	19 02	59.2?	60.06	N	6.01	E	5	G		0.8	4	SOUTHERN NORWAY. MD 1.3 (BER).
	10	20 08	59.9?	17.55	S	173.16	W	33	N	4.4	1.1	10	TONGA ISLANDS
	10	20 12	00.1*	40.713	N	141.864	E	33	N	5.0	1.0	16	NEAR EAST COAST OF HONSHU, JAPAN
	10	20 52	57.5%	33.848	S	70.833	W	80	G		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	10	21 30	39.1&	61.646	N	151.957	W	94				56	SOUTHERN ALASKA. <AEIC>.
	10	21 48	34.7	45.608	N	14.466	E	10	G		1.2	14	NORTHWESTERN BALKAN REGION. ML 3.1 (ZAG), 2.8 (VIE). MD 3.1 (LJU), 2.8 (TRI). Felt (IV) at Loski Potok, Slovenia.
	10	22 09	41.1*	45.613	N	14.378	E	5	G		0.4	5	NORTHWESTERN BALKAN REGION. MD 2.3 (LJU).
	10	23 08	05.5*	17.724	S	69.635	W	153	*	4.6	1.4	19	PERU-BOLIVIA BORDER REGION
	10	23 19	36.5?	18.76	N	66.61	W	33	N		0.3	6	PUERTO RICO REGION
	10	23 30	25.2&	62.700	N	151.098	W	92				50	CENTRAL ALASKA. <AEIC>.
	10	23 43	25.7	37.426	N	22.702	E	29			1.1	18	SOUTHERN GREECE. MD 3.3 (ATH).
	11	00 03	20.3	38.676	N	20.328	E	10	G	4.1	1.3	27	GREECE. ML 3.7 (ATH).
	11	00 52	35.7	43.978	N	7.569	E	10	G		0.4	12	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG), 2.0 (GEN).
	11	01 14	57.4%	39.926	N	28.820	E	10	G		0.6	6	TURKEY. MD 2.6 (ISK).

	11	01	50	59.7?	39.90	N	19.87	E	5	G			1.5	7	GREECE-ALBANIA BORDER REGION
	11	01	54	18.0	36.921	N	28.946	E	10	G			1.2	7	DODECANESE ISLANDS. MD 3.8 (ATH), 3.4 (ISK).
	11	02	31	32.3?	14.88	S	168.24	E	33	N	4.7		1.3	10	VANUATU ISLANDS
	11	02	42	38.8&	63.480	N	150.960	W	11					66	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.3 (PMR).
	11	02	47	58.9?	35.88	N	70.92	E	33	N	4.3		0.6	18	HINDU KUSH REGION, AFGHANISTAN
	11	03	14	23.3*	13.910	S	169.313	W	33	N	4.3		1.2	18	SAMOA ISLANDS
	11	03	25	23.7	40.260	N	19.473	E	10	G			0.8	31	ALBANIA. MD 3.3 (ATH). ML 3.1 (TTG), 3.0 (TIR).
	11	03	30	30.1*	8.143	S	123.106	E	129	*	4.8		1.1	17	FLORES REGION, INDONESIA
	11	03	40	33.7	35.965	N	141.516	E	33	N	4.7		0.9	37	NEAR EAST COAST OF HONSHU, JAPAN
	11	04	24	06.9%	33.184	S	70.594	W	90	G			0.3	7	CHILE-ARGENTINA BORDER REGION
	11	04	51	27.0&	32.433	N	115.234	W	12		3.9			28	CALIF.-BAJA CALIF. BORDER REGION. <ECX-P>. MD 4.7 (ECX). ML 3.9 (PAS), 3.9 (GS). Felt at Mexicali, Baja California.
	11	05	12	46.8&	60.505	N	152.702	W	126		2.8			72	SOUTHERN ALASKA. <AEIC>.
	11	05	17	48.2	42.624	N	111.464	W	5	G			0.9	14	EASTERN IDAHO. ML 3.3 (GS). MD 3.7 (SLC). Felt (III) at Georgetown.
	11	05	23	34.4?	36.79	N	29.15	E	10	G			0.9	4	TURKEY. MD 3.0 (ISK).
	11	05	41	13.4	40.263	N	19.567	E	10	G			0.9	31	ALBANIA. MD 3.4 (ATH). ML 3.1 (TTG), 3.0 (TIR).
	11	05	45	38.7*	5.791	S	145.827	E	33	N	4.1		1.3	7	EASTERN NEW GUINEA REG., P.N.G. ML 4.4 (PMG).
	11	06	01	08.0	40.304	N	19.563	E	10	G			0.8	11	ALBANIA. ML 2.8 (TIR).
	11	06	08	03.2	27.762	S	26.661	E	5	G			1.4	13	REPUBLIC OF SOUTH AFRICA. ML 3.6 (PRE).
	11	06	11	13.6&	59.175	N	151.597	W	50					46	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
	11	06	30	15.4	8.329	N	126.285	E	161	D	5.1		0.8	94	MINDANAO, PHILIPPINE ISLANDS
	11	06	43	20.9?	14.02	S	169.20	W	33	N	4.0	4.3	1.3	16	SAMOA ISLANDS
	11	06	50	35.4?	36.51	N	28.59	E	33	N			0.7	4	DODECANESE ISLANDS. MD 3.2 (ISK).
	11	06	58	33.0	40.285	N	19.554	E	10	G			0.9	17	ALBANIA. MD 3.3 (ATH). ML 2.9 (TIR).
	11	07	17	03.5?	37.06	N	28.99	E	10	G			0.3	4	TURKEY. MD 3.2 (ISK).
	11	07	30	16.1%	15.569	N	93.766	W	33	N			0.5	5	NEAR COAST OF CHIAPAS, MEXICO
	11	07	37	58.5?	38.48	N	28.55	W	10	G			0.1	4	AZORES ISLANDS. MD 3.1 (PDA).
a	11	07	48	23.0	41.934	N	142.484	E	57	D	5.2		1.1	179	HOKKAIDO, JAPAN REGION. Mw 5.6 (HRV). Felt (III JMA) at Hiroo and Urakawa; (II JMA) at Kushiro, Obihiro and Tomakomai. Also felt in northern Honshu.
	11	08	33	16.4?	35.12	S	70.36	W	5	G			1.0	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	11	09	35	56.7?	39.65	N	29.46	E	10	G			0.7	4	TURKEY. MD 2.6 (ISK).
	11	09	37	37.4*	13.581	S	169.465	W	33	N	4.5		1.2	23	SAMOA ISLANDS
a	11	09	47	16.3	22.180	S	179.536	W	594	D	5.2		0.8	219	SOUTH OF FIJI ISLANDS. Mw 5.6 (HRV).
a	11	10	26	25.4	7.963	S	73.943	W	174	D	5.3		0.9	220	PERU-BRAZIL BORDER REGION. Mw 5.4 (HRV). Felt (II) at Pucallpa, Peru.
	11	12	14	06.3?	40.80	N	29.42	E	10	G			0.6	4	TURKEY. MD 2.4 (ISK).
	11	12	25	19.7?	13.69	S	169.40	W	33	N	4.3	4.2	1.4	26	SAMOA ISLANDS
	11	13	53	32.9&	40.316	N	124.619	W	17		4.3	3.5		81	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 4.1 (GM). ML 4.3 (BRK). Mo=3.8*10**15 Nm (BRK). Felt (V) at Honeydew and Weott; (IV) at Hydesville, Loleta, Miranda and Petrolia; (III) at Myers Flat and Rio Dell; (II) at Alderpoint, Redcrest and Samoa. Also felt at Eureka, Garberville and Mendocino.
	11	14	01	47.3	39.191	N	106.617	W	5	G			0.4	8	COLORADO. ML 2.5 (GS). Felt at Aspen.
	11	14	05	25.2	38.443	N	12.807	E	10	G	4.0		0.9	19	SICILY. ML 3.6 (LDG).
	11	15	07	15.2*	30.942	S	177.977	W	33	N	5.1		1.6	48	KERMADEC ISLANDS, NEW ZEALAND
	11	15	14	44.0&	69.854	N	143.161	W	20	G				8	NORTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 2.7 (PGC).
	11	15	40	08.9?	13.67	S	169.35	W	33	N	4.3		1.4	28	SAMOA ISLANDS
	11	16	52	53.4*	8.556	N	126.595	E	71	*	4.4		1.2	25	MINDANAO, PHILIPPINE ISLANDS
	11	18	00	10.0*	3.423	S	145.935	E	33	N	5.1		1.4	25	NEAR N COAST OF NEW GUINEA, PNG.
	11	18	04	32.3*	66.972	N	21.114	E	10	G			1.4	7	SWEDEN. MD 2.7 (BER).
a	11	19	30	26.5	1.142	N	90.567	W	33	N	5.1	4.9	1.4	89	GALAPAGOS ISLANDS REGION. Mw 5.6 (HRV).
	11	20	33	35.7%	34.107	S	70.166	W	5	G			0.5	7	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
	11	21	07	42.4?	13.61	S	169.44	W	33	N	4.3		1.2	25	SAMOA ISLANDS
	11	22	34	28.5?	47.36	N	11.59	E	10	G			0.8	4	AUSTRIA. ML 0.6 (VIE).
	11	23	33	17.4*	43.403	N	147.302	E	33	N	4.4		0.4	13	KURIL ISLANDS
	12	00	21	28.0	38.533	N	27.107	E	10	G	4.3		1.3	92	TURKEY. MD 4.3 (ISK), 4.3 (ATH). Felt at Aydin, Izmir and Manisa.
	12	01	16	10.0*	5.586	N	126.576	E	101	*	4.5		0.7	15	MINDANAO, PHILIPPINE ISLANDS
	12	01	58	31.0?	13.38	S	169.69	W	33	N	4.1		0.9	12	SAMOA ISLANDS
	12	02	58	41.5	44.587	N	6.802	E	10	G			0.6	17	FRANCE. ML 2.2 (GEN), 2.0 (LDG).
	12	03	24	00.0	31.291	S	68.954	W	5	G			1.2	20	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN).
	12	03	46	07.3	44.598	N	6.875	E	10	G			0.6	17	FRANCE. ML 2.4 (GEN), 2.3 (LDG).
	12	04	26	03.9?	82.06	S	43.99	W	10	G	4.7		1.4	14	ANTARCTICA. Believed to be the first instrumentally located hypocenter in this area.
	12	04	35	41.9%	44.301	N	8.266	E	5	G			0.4	8	NORTHERN ITALY. ML 2.0 (GEN).
	12	05	16	39.6%	44.691	N	7.535	E	10	G			0.1	5	NORTHERN ITALY. ML 2.2 (GEN).
	12	05	30	39.3*	13.765	S	169.391	W	33	N	4.5		0.9	30	SAMOA ISLANDS
	12	06	04	45.4&	64.640	N	137.870	W	22	G				10	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 2.6 (AEIC), 3.3 (PGC).
	12	07	13	30.3	41.839	N	22.259	E	5	G			0.9	10	NORTHWESTERN BALKAN REGION. ML 2.3 (SKO).
	12	07	33	47.5*	16.852	N	93.678	W	182	*	4.3		1.5	23	CHIAPAS, MEXICO
	12	07	46	47.2%	29.096	N	34.912	E	10	G			0.4	5	EGYPT. MD 2.1 (RYD).
	12	07	47	12.7*	43.405	N	146.497	E	123	?	4.4		0.9	36	KURIL ISLANDS
	12	09	25	39.6?	13.29	S	169.53	W	33	N	4.1	4.1	1.4	12	SAMOA ISLANDS
	12	09	37	23.5%	37.101	N	4.156	W	10	G			1.3	5	SPAIN. mbLg 2.6 (MDD).
	12	09	51	06.5*	53.571	N	159.083	E	33	N	4.5		1.1	20	NEAR EAST COAST OF KAMCHATKA
	12	10	08	05.4%	29.088	N	34.964	E	10	G			0.4	5	EGYPT. MD 2.1 (RYD).
a	12	10	26	47.4	44.061	N	147.033	E	35	G	6.1	5.5	1.0	494	KURIL ISLANDS. Mw 6.0 (GS), 6.0 (HRV). Felt (VII) on Shikotan; (IV) at Kurilsk, Iturup and Yuzhno-Kurilsk, Kunashir. Felt (III JMA) at Kushiro and Nemuro, Hokkaido. Also felt at Hachinohe, Honshu. Depth from broadband displacement seismograms.
	12	11	03	04.4%	42.396	N	19.260	E	10	G			0.7	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
	12	11	45	52.3	40.552	N	24.730	E	10	G			1.3	26	AEGEAN SEA. MD 3.4 (ATH).
	12	12	29	44.9	37.041	N	29.040	E	10	G			1.2	13	TURKEY. MD 3.5 (ISK).
	12	12	55	15.2%	44.005	N	7.356	E	5	G			0.1	6	NORTHERN ITALY. ML 2.7 (LDG).
	12	13	32	42.4*	32.909	N	34.602	E	10	G			0.5	18	DEAD SEA REGION. ML 3.1 (BHL). Felt at Haifa, Israel.
	12	13	53	10.8	44.516	N	6.929	E	5	G			0.4	15	FRANCE. ML 2.4 (GEN), 2.4 (LDG).
	12	13	59	52.6*	13.235	S	169.622	W	18	D	4.7	4.6	1.0	31	SAMOA ISLANDS

a	12	14	37	43.5	7.199	S	106.587	E	78	D	5.2	1.4	88	JAWA, INDONESIA. Mw 5.2 (HRV).
	12	15	16	02.0*	31.473	S	68.900	W	100	G		0.8	11	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
	12	15	26	48.3?	6.20	S	150.62	E	33	N	4.2	0.7	6	NEW BRITAIN REGION, P.N.G.
	12	16	16	52.7	57.353	N	151.033	W	10	G		0.7	57	KODIAK ISLAND REGION. ML 3.2 (AEIC).
	12	16	58	37.7	43.980	N	148.066	E	33	N	4.9	0.9	56	EAST OF KURIL ISLANDS
	12	17	03	27.3?	33.32	S	71.79	W	22			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	12	17	20	37.3*	14.074	S	169.296	W	33	N	4.7	0.9	19	SAMOA ISLANDS
	12	17	37	00.8&	60.049	N	5.997	E	5	G		0.1	5	SOUTHERN NORWAY. MD 1.4 (BER).
	12	17	53	53.6*	43.105	N	127.506	W	10	G		0.4	46	OFF COAST OF OREGON
	12	18	43	10.3	36.331	N	27.154	E	120		4.2	1.0	54	DODECANESE ISLANDS. MD 4.2 (HLW), 4.0 (ATH).
	12	19	55	19.9*	14.047	S	169.232	W	33	N	4.8	1.6	36	SAMOA ISLANDS
	12	21	55	26.0	46.541	N	13.785	E	5	G		1.1	12	AUSTRIA. MD 2.6 (LJU), 2.3 (TRI). ML 2.3 (VIE).
	12	22	50	45.8&	34.009	N	116.322	W	5				30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.0 (GS). Felt.
	12	23	29	40.0	34.277	N	139.095	E	25	D	5.1 4.5	0.9	130	NEAR S. COAST OF HONSHU, JAPAN. Felt (IV JMA) on Kozu-shima and (II JMA) on Miyake-jima.
	12	23	34	20.7	39.131	N	21.559	E	10	G		1.1	15	GREECE. MD 3.1 (ATH).
	12	23	35	15.1*	14.010	S	169.152	W	33	N	4.7	1.3	19	SAMOA ISLANDS
	12	23	42	39.1&	36.788	N	122.117	W	14				67	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK), 3.4 (GS). MD 3.5 (GM). Mo=4.2*10**14 Nm (BRK). Felt at Davenport and Santa Cruz.
	13	00	43	54.0*	2.353	N	128.406	E	158	*	4.6	0.7	20	HALMAHERA, INDONESIA
	13	01	08	46.1	58.979	N	145.358	W	10	G		0.8	46	GULF OF ALASKA. ML 3.1 (AEIC).
	13	01	16	38.0&	34.257	N	119.513	W	15				38	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.6 (GS). Felt.
	13	02	20	32.5?	13.58	S	169.65	W	33	N	4.4	1.1	35	SAMOA ISLANDS
a	13	03	13	00.0	43.165	N	147.029	E	33	N	5.9 5.2	0.9	468	KURIL ISLANDS. Mw 5.6 (HRV).
	13	04	34	00.6	75.732	N	7.299	E	10	G	4.7	1.2	36	GREENLAND SEA
	13	04	54	03.9*	13.818	S	169.385	W	33	N	4.4 4.8	1.0	30	SAMOA ISLANDS
a	13	05	06	09.5	3.465	S	127.187	E	57	D	5.5	0.9	115	SERAM, INDONESIA. Mw 5.4 (HRV). Felt (III) on Ambon.
	13	05	45	46.5&	62.512	N	151.898	W	105				61	CENTRAL ALASKA. <AEIC>.
	13	06	16	07.2	34.167	N	139.284	E	18		4.5	0.8	49	NEAR S. COAST OF HONSHU, JAPAN
	13	08	26	57.6*	13.881	S	169.394	W	33	N	4.2	0.9	23	SAMOA ISLANDS
	13	08	42	36.0&	40.007	N	23.568	E	5	G		0.9	7	GREECE
	13	08	55	00.6	45.190	N	150.247	E	33	N	4.9	0.9	91	KURIL ISLANDS
	13	09	36	14.6&	39.329	N	28.607	E	10	G		0.5	10	TURKEY. MD 3.2 (ISK).
	13	10	08	24.7*	51.656	N	16.308	E	10	G		1.4	11	POLAND. ML 3.0 (MOX).
	13	10	22	44.9	36.916	N	28.921	E	10	G	3.9	0.6	9	DODECANESE ISLANDS. MD 3.6 (ISK).
	13	10	59	18.1&	40.707	N	124.945	W	7		3.1		43	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK), 3.5 (GS). Felt in parts of Humboldt County.
	13	11	48	57.1	7.869	S	158.425	E	67	?	4.6 4.2	0.8	29	SOLOMON ISLANDS
	13	13	01	19.3?	3.03	N	126.80	E	33	N	4.6	0.6	16	TALAUD ISLANDS, INDONESIA
	13	13	19	09.2?	47.26	N	11.29	E	5	G		0.4	4	AUSTRIA. ML 0.8 (VIE).
	13	14	20	13.0?	9.57	N	83.74	W	10	G		1.4	5	COSTA RICA. MD 4.3 (UPA).
	13	14	20	35.4*	21.133	S	68.082	W	169	*	4.4	1.4	14	CHILE-BOLIVIA BORDER REGION
	13	15	01	12.5&	59.851	N	152.491	W	90				46	SOUTHERN ALASKA. <AEIC>.
	13	15	32	53.3?	43.91	N	146.90	E	33	N	4.2	0.8	9	KURIL ISLANDS
	13	15	33	05.8*	18.929	S	168.977	E	167	*	4.4	0.6	17	VANUATU ISLANDS
	13	15	33	45.7&	41.598	N	28.478	E	10	G		0.4	7	TURKEY. MD 2.9 (ISK).
	13	16	31	04.4&	39.335	N	28.609	E	10	G		0.7	7	TURKEY. MD 2.8 (ISK).
	13	16	40	59.9?	3.78	N	126.31	E	33	N	3.9	1.5	9	TALAUD ISLANDS, INDONESIA
	13	17	44	00.5&	39.342	N	28.622	E	10	G		0.3	8	TURKEY. MD 3.1 (ISK).
	13	17	46	09.8*	24.101	N	122.733	E	33	N	4.2	0.5	15	TAIWAN REGION
	13	18	07	29.1&	44.914	N	6.925	E	5	G		0.6	6	FRANCE. ML 1.8 (GEN).
	13	18	18	14.8&	29.005	N	34.792	E	10	G		0.1	5	EGYPT
	13	18	34	38.5&	39.367	N	28.594	E	10	G		0.5	9	TURKEY. MD 3.1 (ISK).
	13	19	13	03.5*	0.078	S	78.571	W	14	D	4.6	1.4	29	ECUADOR. Some houses damaged in the epicentral area. Landslides occurred along the Pan-American Highway. Felt strongly at Quito.
	13	19	14	50.1*	47.230	N	13.642	E	5	G		0.3	6	AUSTRIA. ML 2.0 (VIE).
	13	19	38	23.1&	46.578	N	120.707	W	11				75	WASHINGTON. <SEA-P>. MD 3.2 (SEA).
	13	19	49	31.3	33.692	N	136.903	E	354		4.4	0.7	51	NEAR S. COAST OF WESTERN HONSHU
	13	19	55	28.6?	39.53	N	28.54	E	10	G		0.0	4	TURKEY. MD 2.8 (ISK).
	13	19	59	28.6&	63.309	N	151.273	W	9				34	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.0 (PMR).
	13	20	01	54.0&	39.351	N	28.520	E	10	G		0.2	8	TURKEY. MD 3.1 (ISK).
	13	20	11	12.5	9.638	S	120.087	E	33	N	4.8	1.4	36	SUMBA REGION, INDONESIA. Felt in the Waingapu area.
	13	20	35	11.9?	33.14	S	70.28	W	10	G		0.1	6	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	13	20	53	44.6&	63.409	N	151.417	W	19				35	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.0 (PMR).
	13	21	20	37.4?	28.90	N	35.06	E	10	G		0.7	4	WESTERN ARABIAN PENINSULA. MD 2.7 (RYD).
	13	21	37	04.8	47.684	N	147.360	E	401		4.3	0.9	44	NORTHWEST OF KURIL ISLANDS
	13	21	40	28.4&	44.634	N	6.798	E	5	G		0.4	6	FRANCE. ML 1.9 (GEN).
	13	23	37	44.6*	34.228	S	71.246	W	70	?		0.2	12	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
	14	01	37	30.8*	23.075	S	70.293	W	31	D	4.3	1.5	20	NEAR COAST OF NORTHERN CHILE
	14	02	00	35.8?	36.44	N	28.77	E	10	G		0.8	4	DODECANESE ISLANDS. MD 3.1 (ISK).
	14	02	24	13.4&	34.188	S	71.240	W	60	G		0.2	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	14	02	45	24.0	33.355	N	140.807	E	58	D	4.6	0.8	37	SOUTH OF HONSHU, JAPAN
	14	03	11	14.9*	52.492	N	168.227	W	33	N	3.9	0.7	11	FOX ISLANDS, ALEUTIAN ISLANDS
	14	03	18	21.0?	3.67	S	144.69	E	33	N	4.1	1.3	7	NEAR N COAST OF NEW GUINEA, PNG.
	14	04	22	51.8?	10.86	N	62.19	W	80	G		0.1	4	NEAR COAST OF VENEZUELA. MD 3.0 (TRN).
	14	04	36	41.1&	38.257	N	118.825	W	5				42	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.7 (BRK), 3.6 (GS). Felt (III) at Mina and Yerington; (II) at Hawthorne, Nevada.
	14	04	36	44.1&	44.556	N	7.183	E	5	G		0.2	6	NORTHERN ITALY. ML 1.6 (GEN).
	14	04	37	03.4?	7.22	N	123.21	E	33	N		1.3	4	MINDANAO, PHILIPPINE ISLANDS
	14	04	38	02.5	31.532	S	69.131	W	120	G		0.8	17	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
	14	04	58	28.2&	60.427	N	143.536	W	2				19	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	14	05	45	00.5	6.394	S	155.055	E	41	D	4.7	1.1	28	SOLOMON ISLANDS
	14	05	46	24.4&	60.730	N	151.958	W	84				57	KENAI PENINSULA, ALASKA. <AEIC>.
	14	06	07	59.5	43.449	N	127.870	W	10	G	2.9	0.5	61	OFF COAST OF OREGON
a	14	06	49	23.8	27.929	S	178.273	W	213	D	5.3	1.0	229	KERMADEC ISLANDS REGION. Mw 5.7 (HRV). Felt (III) on Raoul Island.
	14	06	58	13.3?	37.85	N	7.92	W	10	G		0.4	4	PORTUGAL
	14	07	21	08.2&	62.935	N	159.731	W	10	G			23	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR).

	14	08	21	46.9*	38.894	N	22.104	E	10	G			0.5	5	GREECE
	14	08	38	40.9?	33.62	S	69.13	W	180	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	14	08	47	28.3	51.322	N	179.573	E	33	N	4.7		0.9	112	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR).
a	14	09	10	45.3	1.667	N	126.546	E	24	D	5.3		1.0	83	NORTHERN MOLUCCA SEA. Mw 5.1 (HRV).
	14	10	30	44.6?	28.83	N	34.89	E	10	G			0.2	4	EGYPT
	14	11	13	51.6*	31.625	S	71.890	W	70	G			0.9	15	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	14	11	14	53.2&	60.481	N	151.538	W	59					53	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
	14	11	42	48.3?	19.13	S	176.15	E	33	N	4.3	4.8	1.4	17	SOUTH OF FIJI ISLANDS
a	14	12	21	25.5	39.560	N	143.005	E	33	D	5.3	5.1	0.9	130	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.4 (HRV).
	14	12	25	21.5	4.771	S	152.553	E	93		5.0		1.0	51	NEW BRITAIN REGION, P.N.G.
	14	12	36	02.4?	43.72	N	145.33	E	33	N	4.7		1.2	15	HOKKAIDO, JAPAN REGION
	14	12	47	59.1	39.846	N	143.339	E	18	D	4.8		0.9	61	OFF EAST COAST OF HONSHU, JAPAN
	14	13	11	43.0	44.219	N	114.004	W	5	G			0.5	9	WESTERN IDAHO. ML 3.0 (GS), 3.2 (BUT).
	14	14	38	35.7?	67.45	N	161.72	W	10	G	2.6		1.3	7	NORTHERN ALASKA. ML 3.0 (PMR).
	14	15	00	29.3%	42.663	N	19.206	E	10	G			0.3	9	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
	14	15	42	44.7?	18.10	N	100.64	W	33	N			1.6	6	GUERRERO, MEXICO
	14	17	41	12.3*	13.533	N	119.773	E	33	N	4.4		1.1	25	PHILIPPINE ISLANDS REGION
	14	18	37	09.4&	60.345	N	153.084	W	130		3.1			81	SOUTHERN ALASKA. <AEIC>.
	14	18	42	09.4&	33.871	N	118.166	W	13					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS).
	14	18	51	01.1*	22.261	N	94.345	E	87	*	4.4		1.3	34	MYANMAR
	14	19	11	29.7?	42.65	N	2.30	E	5	G			0.4	4	PYRENEES. ML 2.3 (LDG).
	14	19	48	08.3*	43.503	N	146.279	E	47	?	4.4		0.8	26	KURIL ISLANDS
	14	20	13	38.2?	34.60	S	70.73	W	100	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	14	20	16	35.3*	24.149	N	122.697	E	47	D	4.1	3.9	0.9	20	TAIWAN REGION
	14	20	22	19.3	5.472	S	147.119	E	221		4.8		1.1	26	EASTERN NEW GUINEA REG., P.N.G.
	14	22	02	54.5*	32.674	S	69.884	W	138	?			0.2	11	MENDOZA PROVINCE, ARGENTINA. MD 3.9 (SAN).
	14	22	18	07.2%	44.544	N	7.310	E	10	G			0.2	11	NORTHERN ITALY. ML 2.3 (GEN).
	14	22	55	14.4&	61.897	N	157.493	W	9					21	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	14	23	14	15.5?	30.57	S	177.52	W	33	N	4.4		1.3	10	KERMADEC ISLANDS, NEW ZEALAND. Felt (II) on Raoul Island.
	15	00	19	16.5*	25.108	S	179.602	E	547	?	4.5		1.0	14	SOUTH OF FIJI ISLANDS
	15	00	19	41.9%	44.504	N	7.237	E	10	G			0.1	7	NORTHERN ITALY. ML 2.0 (GEN).
	15	00	56	43.6%	33.453	S	70.151	W	120	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	15	01	08	13.1?	43.24	N	146.78	E	33	N	4.1	4.5	0.8	8	KURIL ISLANDS
a	15	01	19	37.1	5.808	S	102.832	E	36	D	5.2		1.1	82	SOUTHERN SUMATERA, INDONESIA. Mw 5.1 (HRV).
	15	01	54	30.2?	53.88	N	165.21	W	33	N	4.1		0.6	7	FOX ISLANDS, ALEUTIAN ISLANDS
	15	02	02	46.7	36.139	N	120.987	W	10	G			0.8	8	CENTRAL CALIFORNIA. ML 2.5 (GS), 2.6 (PAS).
	15	02	18	43.3%	44.798	N	7.138	E	5	G			0.4	5	NORTHERN ITALY. ML 1.9 (GEN).
	15	02	25	13.8%	45.629	N	2.799	E	5	G			0.9	13	FRANCE. ML 1.9 (LDG).
	15	02	29	56.8?	43.97	N	147.74	E	33	N	3.8		1.2	13	KURIL ISLANDS
a	15	02	40	18.8	27.511	N	128.460	E	47	D	5.8	5.4	1.0	332	RYUKYU ISLANDS. Mw 5.6 (HRV). Felt (IV JMA) on Okinoerabu-shima and (III JMA) at Naze, Amami O-shima.
	15	02	40	40.6	7.170	S	150.077	E	33	N	4.8		1.1	30	NEW BRITAIN REGION, P.N.G. ML 5.2 (PMG).
	15	03	07	59.6*	5.224	S	152.146	E	104	*	4.2		1.3	18	NEW BRITAIN REGION, P.N.G.
	15	04	16	29.6?	32.25	S	70.71	W	90	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	15	04	45	12.6	40.690	N	143.543	E	30	D	5.0	5.1	1.0	126	OFF EAST COAST OF HONSHU, JAPAN
	15	04	46	45.3&	62.881	N	149.573	W	85					46	CENTRAL ALASKA. <AEIC>.
a	15	04	54	31.9*	16.504	S	177.440	E	33	N	4.7		1.5	25	FIJI ISLANDS. Mw 5.3 (HRV). ML 4.4 (SVA).
	15	05	03	50.0	40.284	N	144.052	E	33	N	4.4		0.8	35	OFF EAST COAST OF HONSHU, JAPAN
	15	05	26	37.9?	34.68	S	70.23	W	5	G			0.1	6	CHILE-ARGENTINA BORDER REGION
	15	06	04	34.8?	17.39	N	62.17	W	80	G			0.2	8	LEEWARD ISLANDS. MD 2.5 (TRN).
	15	06	05	59.7?	36.86	N	5.28	W	10	G			1.4	4	STRAIT OF GIBRALTAR. mbLg 1.9 (MDD).
	15	06	32	30.2*	26.602	S	176.491	W	33	N	5.0	4.4	1.1	40	SOUTH OF FIJI ISLANDS
	15	06	44	35.6	42.054	N	19.685	E	10	G			0.4	12	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	15	06	50	44.4	30.949	N	41.543	W	10	G	4.4		1.0	23	NORTHERN MID-ATLANTIC RIDGE
	15	07	13	27.6?	42.90	N	46.91	E	33	N	4.1		1.1	11	EASTERN CAUCASUS
	15	09	14	08.2	42.072	N	19.734	E	10	G			0.6	12	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG), 2.0 (TIR).
	15	09	44	20.7?	14.01	S	76.00	W	56	*	3.8		1.4	7	NEAR COAST OF PERU. Felt (II) at Ica.
	15	09	54	20.1?	27.81	N	34.63	E	10	G			1.0	7	RED SEA. MD 3.5 (RYD).
	15	11	24	01.8?	19.74	S	67.83	W	224	*	4.1		1.0	10	SOUTHERN BOLIVIA
	15	11	30	28.7?	36.81	N	5.32	W	10	G			1.0	4	STRAIT OF GIBRALTAR. mbLg 2.0 (MDD).
	15	11	48	33.9%	44.858	N	6.559	E	5	G			0.5	7	FRANCE. ML 2.0 (GEN).
	15	12	27	16.9*	2.632	N	127.081	E	79	*	4.7		1.0	14	NORTHERN MOLUCCA SEA
a	15	12	57	30.4	3.414	S	145.879	E	33	N	5.3	4.6	1.2	34	NEAR N COAST OF NEW GUINEA, PNG. Mw 5.2 (HRV).
	15	13	06	25.3&	61.160	N	151.960	W	92					37	SOUTHERN ALASKA. <AEIC>.
	15	13	19	30.8%	38.758	N	27.772	E	10	G			0.5	6	TURKEY. MD 3.5 (ISK).
	15	13	53	36.3	51.629	N	16.251	E	10	G			0.4	13	POLAND. ML 3.4 (GRF), 2.8 (CLL).
	15	14	31	14.8?	31.99	S	116.73	E	10	G			0.1	4	WESTERN AUSTRALIA
	15	16	43	48.8*	45.534	N	142.262	E	289	?	4.1		1.0	12	HOKKAIDO, JAPAN REGION
	15	17	22	28.6%	44.363	N	7.340	E	5	G			0.4	7	NORTHERN ITALY. ML 1.9 (GEN).
	15	18	27	42.4?	11.98	S	167.59	E	33	N	4.3		1.3	15	SANTA CRUZ ISLANDS
	15	19	04	31.8	34.015	S	70.059	W	5	G	5.2		1.0	98	CHILE-ARGENTINA BORDER REGION. MD 4.8 (SAN).
	15	19	14	03.0%	34.020	S	69.974	W	5	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	15	19	22	51.6%	33.987	S	70.123	W	5	G			0.4	11	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
	15	19	24	59.8?	34.03	S	70.07	W	5	G			1.2	8	CHILE-ARGENTINA BORDER REGION
	15	19	34	17.1?	34.06	S	69.90	W	5	G			0.3	7	CHILE-ARGENTINA BORDER REGION
	15	19	40	18.2	5.664	S	153.954	E	33	N	4.7	4.3	0.8	31	NEW IRELAND REGION, P.N.G.
	15	19	46	50.1%	34.025	S	69.983	W	5	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	15	19	48	00.7%	34.026	S	69.977	W	5	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	15	20	04	47.7%	34.040	S	70.006	W	5	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	15	20	12	20.6%	34.039	S	69.990	W	5	G			0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	15	20	46	58.9	28.712	S	68.849	W	119	D	5.1		1.2	96	LA RIOJA PROVINCE, ARGENTINA
	15	21	04	40.0?	34.09	S	69.90	W	5	G			0.4	8	CHILE-ARGENTINA BORDER REGION
	15	21	20	48.3&	47.131	N	118.818	W	2					35	WASHINGTON. <SEA-P>. MD 2.8 (SEA).
	15	21	23	33.1	10.833	N	84.921	W	33	N	4.7	4.1	1.1	38	COSTA RICA. MD 4.7 (UPA).
	15	21	54	37.4%	34.057	S	69.889	W	5	G			0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	15	21	56	26.6&	34.987	N	116.943	W	0					33	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.3 (GS).
	15	22	58	02.7%	34.043	S	69.930	W	5	G			0.3	8	CHILE-ARGENTINA BORDER REGION
	15	23	22	12.1%	38.150	N	2.156	W	5	G			1.0	8	SPAIN. mbLg 2.5 (MDD).
	15	23	24	44.1%	34.028	S	70.010	W	5	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	15	23	27	12.1?	34.04	S	69.93	W	5	G			0.2	7	CHILE-ARGENTINA BORDER REGION
	15	23	36	40.6%	34.042	S	70.026	W	5	G			0.3	10	CHILE-ARGENTINA BORDER REGION
a	15	23	59	26.1	5.246	S	152.040	E	62	D	5.7	5.9	0.9	258	NEW BRITAIN REGION, P.N.G. Mw 6.0 (HRV). Ms 6.0 (BRK).

													Mo=6.3*10**17 Nm (PPT).
	16	00	47	52.7&	34.082	S	70.043	W	5	G		0.7	9 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	16	01	07	13.9*	5.244	S	152.178	E	33	N	4.3	0.9	22 NEW BRITAIN REGION, P.N.G.
	16	01	17	03.2?	34.04	S	69.94	W	5	G		0.3	7 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	16	01	34	38.7&	38.822	N	122.792	W	4				56 NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK), 3.6 (GS). Felt (IV) at Cobb; (III) at Middletown and Saint Helena.
	16	01	37	34.8&	34.041	S	70.019	W	5	G		0.4	10 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	16	01	50	54.1&	60.171	N	152.481	W	94				73 SOUTHERN ALASKA. <AEIC>.
	16	02	03	51.6?	36.61	N	2.88	W	10	G		0.5	4 STRAIT OF GIBRALTAR. mbLg 2.3 (MDD).
	16	02	09	24.4	35.221	N	3.911	W	10	G		0.9	12 STRAIT OF GIBRALTAR. MD 3.1 (RBA). mbLg 2.7 (MDD). Felt (III) on Alhucemas, Spain.
	16	02	53	02.6&	34.024	S	70.011	W	5	G		0.3	9 CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
a	16	03	03	27.9*	35.360	S	106.123	W	10	G	4.9	1.3	32 SOUTHERN EAST PACIFIC RISE. Mw 5.2 (HRV).
	16	03	20	41.7?	29.51	S	178.07	W	92	*	4.2	0.7	9 KERMADEC ISLANDS, NEW ZEALAND
	16	04	19	17.3&	33.934	S	70.162	W	5	G		0.5	11 CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	16	04	23	01.6&	36.965	N	3.822	W	5	G		0.7	7 STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
	16	04	34	03.8*	35.324	S	105.984	W	10	G	4.5	1.4	24 SOUTHERN EAST PACIFIC RISE
	16	04	54	30.9&	34.600	N	120.886	W	6	G			41 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.3 (GS).
	16	06	04	55.1?	0.09	S	122.17	E	201	?	4.5	1.1	23 MINAHASSA PENINSULA, SULAWESI
	16	06	15	56.3	4.258	N	94.881	E	33	N	4.8	1.1	29 OFF W COAST OF NORTHERN SUMATERA
	16	07	01	25.0&	49.990	N	129.910	W	10	G	4.1		21 VANCOUVER ISLAND REGION. <PGC-P>.
	16	07	26	42.1	38.870	N	20.454	E	22		3.9	1.3	56 GREECE. ML 4.1 (TIR), 4.1 (TTG). MD 4.0 (ATH).
	16	07	26	55.0&	50.020	N	129.920	W	10	G	3.9		20 VANCOUVER ISLAND REGION. <PGC-P>.
	16	07	47	05.8&	34.049	S	69.997	W	5	G		0.3	9 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	16	08	06	43.1	33.991	S	70.118	W	5	G		0.5	13 CHILE-ARGENTINA BORDER REGION. MD 4.4 (SAN).
	16	08	16	07.8&	34.032	S	69.987	W	5	G		0.3	9 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	16	08	32	54.2?	32.49	S	71.67	W	50	G		0.2	10 NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	16	08	44	24.8*	40.488	N	139.775	E	188	*	4.2	0.6	14 NEAR WEST COAST OF HONSHU, JAPAN
	16	09	13	29.3*	38.813	N	20.547	E	10	G		1.5	11 GREECE. MD 3.2 (ATH).
	16	09	24	45.7&	44.434	N	7.232	E	5	G		0.4	11 NORTHERN ITALY. ML 2.2 (GEN).
	16	10	25	06.1&	61.539	N	149.908	W	45		4.3		124 SOUTHERN ALASKA. <AEIC>. ML 4.2 (AEIC), 4.3 (PMR). Felt (IV) at Wasilla; (III) at Anchorage and Willow; (II) at Eagle River.
	16	12	15	22.8&	34.303	N	118.453	W	7				46 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.3 (GS).
	16	13	09	30.4?	34.03	S	69.92	W	5	G		0.3	6 CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	16	13	12	31.2?	6.98	S	129.97	E	119	?	4.0	1.3	8 BANDA SEA
	16	13	15	25.4*	6.009	S	130.424	E	33	N	4.6	0.9	25 BANDA SEA
	16	13	44	45.8?	13.80	S	169.43	W	33	N	4.3	0.7	22 SAMOA ISLANDS
	16	14	28	55.4*	33.677	N	140.124	E	55	?	4.2	0.8	15 SOUTH OF HONSHU, JAPAN
	16	14	41	29.2*	43.940	N	147.113	E	33	N	4.0	0.8	11 KURIL ISLANDS
	16	15	04	06.9?	38.64	N	27.52	E	10	G		0.9	4 TURKEY. MD 3.0 (ISK).
	16	15	36	40.4	37.848	N	6.924	W	5	G		1.2	18 SPAIN. mbLg 3.0 (MDD). MD 3.0 (SFS). Felt (III) in the Valdelamusa area.
	16	15	48	45.3&	44.497	N	7.336	E	5	G		0.3	10 NORTHERN ITALY. ML 2.0 (GEN).
	16	15	57	43.4&	60.458	N	4.628	E	10	G		0.3	6 SOUTHERN NORWAY. MD 1.6 (BER).
	16	16	17	31.0&	40.458	N	125.168	W	26				26 OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	16	17	58	28.8&	44.426	N	7.220	E	5	G		0.3	9 NORTHERN ITALY. ML 1.9 (GEN).
	16	18	13	06.4&	33.903	S	70.221	W	5	G		0.7	10 CHILE-ARGENTINA BORDER REGION
a	16	18	14	49.4	51.260	N	179.168	E	33	N	5.6 6.1	1.0	370 RAT ISLANDS, ALEUTIAN ISLANDS. Mw 6.3 (HRV). Ms 5.9 (BRK). Mo=5.5*10**18 Nm (PPT).
	16	18	18	01.6?	50.58	N	179.02	E	33	N	5.1	1.0	6 RAT ISLANDS, ALEUTIAN ISLANDS
	16	18	21	27.3*	51.220	N	179.187	E	33	N	4.9	1.1	24 RAT ISLANDS, ALEUTIAN ISLANDS
	16	18	34	20.0*	15.543	S	177.721	W	426	*	4.4	0.8	24 FIJI ISLANDS REGION
a	16	18	42	17.2	51.299	N	179.165	E	33	N	5.5 5.6	1.1	207 RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.7 (HRV).
	16	18	59	50.2*	51.368	N	179.134	E	33	N	4.6	1.6	16 RAT ISLANDS, ALEUTIAN ISLANDS
	16	19	20	23.7*	79.204	N	123.756	E	10	G	4.5	0.7	25 EAST OF SEVERNAYA ZEMLYA, RUSSIA
	16	19	21	32.9&	32.559	S	71.666	W	10	G		1.0	11 NEAR COAST OF CENTRAL CHILE
	16	19	23	27.1	44.769	N	6.781	E	5	G		0.9	18 FRANCE. ML 2.4 (GEN), 2.2 (LDG).
	16	19	43	47.8&	34.016	S	70.043	W	5	G		0.4	8 CHILE-ARGENTINA BORDER REGION
a	16	20	46	52.1	34.583	N	135.018	E	22	G	6.3 6.8	1.0	503 NEAR S. COAST OF WESTERN HONSHU. Mw 6.8 (GS), 6.9 (HRV). Ms 6.5 (BRK). Mo=6.3*10**19 Nm (PPT). Five thousand five hundred two people confirmed killed, 36,896 injured and extensive damage (VII JMA) in the Kobe area and on Awaji-shima. Over 90 percent of the casualties occurred along the southern coast of Honshu between Kobe and Nishinomiya. At least 28 people were killed by a landslide at Nishinomiya. About 310,000 people were evacuated to temporary shelters. Over 200,000 buildings were damaged or destroyed. Numerous fires, gas and water main breaks and power outages occurred in the epicentral area. Felt (VII JMA) along a coastal strip extending from Suma Ward, Kobe to Nishinomiya and in the Ichinomiya area on Awaji-shima; (V JMA) at Hikone, Kyoto and Toyooka; (IV JMA) at Nara, Okayama, Osaka and Wakayama; (V) at Iwakuni. Also felt (IV JMA) at Takamatsu, Shikoku. Right-lateral surface faulting was observed for 9 kilometers with horizontal displacement of 1.2 to 1.5 meters in the northern part of Awaji-shima. Liquefaction also occurred in the epicentral area. Depth from broadband displacement seismograms.
	16	20	53	09.8*	34.340	N	135.303	E	10	G	4.8	1.4	8 NEAR S. COAST OF WESTERN HONSHU
	16	21	28	58.8	34.547	N	134.829	E	10	G	5.0	1.0	91 NEAR S. COAST OF WESTERN HONSHU. Felt (III JMA) at Kobe.
	16	21	32	24.3?	35.90	N	10.61	W	10	G		1.0	19 NORTH ATLANTIC OCEAN. mbLg 3.5 (MDD). MD 3.2 (RBA).
	16	21	33	48.7?	65.21	S	178.37	E	10	G	4.8	1.4	14 BALLENY ISLANDS REGION
	16	21	42	49.7	34.761	N	135.665	E	10	G	4.6	0.7	18 NEAR S. COAST OF WESTERN HONSHU
	16	21	50	52.0&	44.434	N	8.501	E	5	G		0.4	8 NORTHERN ITALY. ML 2.1 (GEN).
	16	22	02	41.6&	33.612	S	70.232	W	100	G		0.1	9 CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	16	22	20	16.3	50.938	N	5.972	E	10	G		1.5	24 BELGIUM. ML 3.4 (LDG), 2.8 (UCC). Felt (IV) in the epicentral area.
	16	22	38	33.4	34.686	N	135.799	E	10	G	4.4	1.2	32 NEAR S. COAST OF WESTERN HONSHU

	16	23 30 35.9*	34.485	N	135.202	E	10	G	4.5	4.7	1.7	34	NEAR S. COAST OF WESTERN HONSHU
	16	23 58 17.1	34.399	N	135.127	E	10	G	4.7		0.8	19	NEAR S. COAST OF WESTERN HONSHU
	17	00 01 24.4*	34.484	N	134.782	E	10	G	4.6		1.4	16	NEAR S. COAST OF WESTERN HONSHU
	17	00 51 29.2*	38.798	N	20.538	E	10	G			1.3	12	GREECE
	17	00 58 19.1*	34.877	N	134.477	E	10	G	4.1		0.5	8	NEAR S. COAST OF WESTERN HONSHU
	17	01 28 48.5?	51.40	N	179.07	E	33	N			0.9	7	RAT ISLANDS, ALEUTIAN ISLANDS
	17	01 57 27.9&	39.310	N	0.938	W	5	G			0.2	5	SPAIN. mbLg 2.7 (MDD).
	17	02 54 19.8	38.244	N	21.276	E	10	G			1.2	10	GREECE. MD 3.3 (ATH).
	17	03 10 07.0*	31.291	S	69.641	W	107	?			0.8	13	SAN JUAN PROVINCE, ARGENTINA. MD 4.3 (SAN).
	17	03 21 37.9&	34.043	S	69.960	W	5	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	17	03 23 55.4&	34.033	S	69.992	W	5	G			0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	17	03 24 44.5?	36.54	N	2.79	W	10	G			1.0	5	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
	17	03 30 54.0&	50.030	N	130.200	W	10	G	4.0			7	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.6 (PGC).
	17	03 39 25.8?	28.05	S	177.12	W	125	?	4.4		1.6	18	KERMADEC ISLANDS REGION
	17	04 05 21.6	34.488	N	135.179	E	10	G	4.7		1.0	26	NEAR S. COAST OF WESTERN HONSHU
	17	04 39 39.5?	15.97	N	94.70	W	33	N			1.1	5	NEAR COAST OF OAXACA, MEXICO
	17	06 03 59.6?	27.45	N	55.44	E	33	N	4.5		1.3	30	SOUTHERN IRAN
	17	06 04 20.9?	31.57	S	71.63	W	33	N			1.1	11	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	17	06 06 39.8&	40.148	N	24.058	E	5	G			0.5	6	AEGEAN SEA
	17	06 29 19.6*	31.897	S	70.668	W	70	G			1.2	15	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	17	06 37 36.9	10.796	S	73.530	W	33	N	4.5		1.0	20	CENTRAL PERU
	17	06 41 12.5*	61.341	S	53.603	W	10	G	4.8		0.9	18	SOUTH SHETLAND ISLANDS
	17	07 11 00.5?	13.37	N	89.56	W	33	N	4.1		1.6	15	EL SALVADOR. MD 4.1 (GCG).
	17	08 13 30.1&	50.026	N	130.120	W	10	G	4.3			37	VANCOUVER ISLAND REGION. <PGC-P>. ML 4.0 (PGC).
	17	09 06 35.6&	33.954	S	70.124	W	5	G			0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	17	09 40 08.5*	51.722	N	15.875	E	10	G			1.0	13	POLAND. ML 3.4 (VIE), 3.0 (MOX).
	17	09 44 33.9&	35.358	N	3.961	W	10	G			0.8	6	STRAIT OF GIBRALTAR. MD 2.5 (RBA).
	17	10 07 34.2&	59.980	N	152.227	W	69					40	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	17	10 13 02.0?	38.37	N	27.28	E	10	G			1.7	4	TURKEY
	17	10 38 59.6&	60.037	N	153.027	W	121					53	SOUTHERN ALASKA. <AEIC>.
	17	11 18 22.8	24.124	N	93.581	E	62	D	4.7		1.3	40	MYANMAR-INDIA BORDER REGION
	17	11 39 04.0&	50.120	N	129.770	W	10	G	4.2			32	VANCOUVER ISLAND REGION. <PGC-P>.
	17	12 10 52.7&	40.467	N	21.859	E	5	G			0.5	8	GREECE
	17	12 15 17.7?	1.87	S	145.69	E	33	N	4.5	4.3	0.8	15	ADMIRALTY ISLANDS REGION, P.N.G.
	17	12 30 59.0&	49.990	N	130.180	W	10	G				4	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.5 (PGC).
	17	12 46 16.0&	50.030	N	129.990	W	10	G	4.2			15	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.7 (PGC).
	17	13 18 36.4	34.520	N	134.801	E	10	G	4.6		1.0	39	NEAR S. COAST OF WESTERN HONSHU
	17	14 20 29.3?	13.83	S	169.35	W	33	N	4.1		0.8	14	SAMOA ISLANDS
	17	14 35 48.4?	35.65	N	0.66	W	10	G			0.8	9	NORTHERN ALGERIA. mbLg 3.1 (MDD).
	17	14 42 30.0&	50.000	N	130.190	W	10	G	4.7	5.0		86	VANCOUVER ISLAND REGION. <PGC-P>.
	17	14 59 55.0?	34.03	S	69.96	W	5	G			0.5	7	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	17	15 02 52.3&	34.028	S	69.944	W	5	G			0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	17	15 19 02.8&	34.028	S	69.917	W	5	G			0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	17	15 21 55.8	40.136	N	143.345	E	33	N	4.7		0.6	24	OFF EAST COAST OF HONSHU, JAPAN
	17	15 24 26.6*	37.179	N	14.108	W	10	G	3.7		1.0	48	NORTH ATLANTIC OCEAN. MD 4.4 (RBA), 4.1 (SFS). mbLg 4.0 (MDD).
	17	15 28 19.8?	43.60	N	6.97	E	10	G			0.3	10	NEAR SOUTH COAST OF FRANCE
	17	15 30 40.1&	33.169	S	70.305	W	10	G			0.2	7	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	17	15 51 28.5	34.538	N	135.180	E	10	G	4.6		1.1	19	NEAR S. COAST OF WESTERN HONSHU
	17	15 59 32.3&	32.124	S	71.559	W	50	G			0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	17	16 07 34.1*	36.199	N	71.266	E	33	N	4.1		0.6	18	AFGHANISTAN-TAJIKISTAN BORD REG.
	17	16 14 22.0&	59.360	N	138.920	W	5	G				13	SOUTHEASTERN ALASKA. <PGC-P>. ML 3.1 (PGC), 2.9 (AEIC).
a	17	16 54 11.8	20.833	S	179.236	W	634	G	5.9		1.0	375	FIJI ISLANDS REGION. Mw 6.3 (GS), 6.3 (HRV). mb 6.2 (BRK). Mo=3.2*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	17	17 35 23.4	34.407	N	134.849	E	10	G	4.5		0.8	25	NEAR S. COAST OF WESTERN HONSHU
	17	18 09 08.9*	36.170	N	69.876	E	144	?	4.0		1.1	21	HINDU KUSH REGION, AFGHANISTAN
	17	18 22 43.5?	51.18	N	15.79	E	10	G			0.4	6	POLAND. ML 2.6 (MOX).
	17	18 46 16.8&	34.019	S	69.929	W	5	G			0.7	9	CHILE-ARGENTINA BORDER REGION
	17	18 58 35.7*	27.351	S	69.835	W	165	?			1.5	11	NORTHERN CHILE. Felt at Copiapo.
	17	19 06 32.0&	42.589	N	19.015	E	10	G			0.4	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	17	19 08 45.1?	36.56	N	6.24	E	10	G			1.2	7	NORTHERN ALGERIA
	17	19 58 58.9*	38.369	N	134.005	E	440	*	4.3		0.6	19	SEA OF JAPAN
	17	20 25 39.7*	35.003	N	134.873	E	10	G	4.3		0.7	9	WESTERN HONSHU, JAPAN
	17	20 31 01.5&	34.035	S	70.005	W	5	G			0.3	8	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	17	20 58 33.9&	43.091	N	18.696	E	10	G			0.4	5	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
	17	21 22 58.0	53.842	N	162.934	W	33	N	4.6	4.7	1.1	58	SOUTH OF ALASKA. ML 4.6 (PMR).
	17	21 50 17.5	34.639	N	135.072	E	10	G	4.7		0.4	14	NEAR S. COAST OF WESTERN HONSHU
	17	22 15 49.5	34.656	N	70.765	E	27	D	4.6		1.2	36	AFGHANISTAN
	17	22 19 46.1	31.580	S	70.009	W	120	G	4.1		0.7	16	CHILE-ARGENTINA BORDER REGION. MD 4.4 (SAN).
	17	23 04 41.2*	16.767	N	94.045	W	143	*	4.3		1.5	17	OAXACA, MEXICO
	18	00 18 15.2*	36.363	N	69.633	E	171	?	4.5		0.8	26	HINDU KUSH REGION, AFGHANISTAN
	18	00 21 02.4	31.160	N	130.298	E	154		4.8		0.9	73	KYUSHU, JAPAN
	18	00 35 21.3*	51.741	N	16.358	E	10	G			1.2	8	POLAND
	18	01 26 50.4	40.169	N	142.547	E	33	N	4.4		1.2	35	NEAR EAST COAST OF HONSHU, JAPAN
	18	01 43 20.5	35.035	N	34.426	E	33	N	4.1		0.9	50	CYPRUS REGION. ML 4.2 (JER), 4.1 (CSS), 3.6 (BHL). MD 4.1 (HLW). Felt (III) at Paralimni.
	18	01 54 52.9*	46.133	N	10.546	E	10	G			0.6	7	NORTHERN ITALY. ML 1.8 (VIE).
	18	03 47 24.6?	2.11	N	128.74	E	33	N	4.9		1.1	14	HALMAHERA, INDONESIA
	18	04 17 35.2	4.347	S	145.724	E	15	D	4.7		0.8	38	NEAR N COAST OF NEW GUINEA, PNG.
	18	05 18 24.3	15.622	S	175.586	W	324	*	4.7		1.4	75	TONGA ISLANDS
	18	05 42 33.6*	53.867	S	60.477	W	10	G	4.9		1.0	25	FALKLAND ISLANDS REGION
	18	05 47 07.7*	15.085	S	173.771	W	33	N	4.7		0.6	17	TONGA ISLANDS
	18	06 10 50.1*	17.386	N	67.694	W	33	N			1.7	7	MONA PASSAGE
	18	06 12 57.1?	31.64	S	72.77	W	10	G			1.1	13	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
	18	06 13 24.4?	51.13	N	179.02	E	33	N	4.1		1.2	14	RAT ISLANDS, ALEUTIAN ISLANDS
	18	07 08 13.0	40.224	N	142.504	E	48	D	4.9	4.2	0.9	74	NEAR EAST COAST OF HONSHU, JAPAN
	18	07 42 07.7	41.654	N	24.010	E	10	G			0.8	24	GREECE-BULGARIA BORDER REGION. MD 3.3 (ATH).
	18	07 57 53.5?	35.71	N	22.37	E	33	N	4.3		1.5	9	CENTRAL MEDITERRANEAN SEA. MD 3.6 (ATH).
	18	08 36 35.4*	34.572	N	134.581	E	10	G	4.0		1.0	13	NEAR S. COAST OF WESTERN HONSHU
	18	08 53 44.7*	30.399	S	69.202	W	33	N			1.3	15	CHILE-ARGENTINA BORDER REGION
	18	09 02 22.6&	40.383	N	125.808	W	5					40	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK), 3.7 (GS).

	18	09	22	15.6&	62.152	N	150.455	W	60		3.6		113	CENTRAL ALASKA. <AEIC>. ML 3.9 (AEIC), 4.0 (PMR).
	18	10	03	08.0&	50.010	N	129.910	W	10	G	3.8		21	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.5 (PGC).
	18	10	19	28.1?	13.50	S	169.55	W	33	N	4.2	1.4	13	SAMOA ISLANDS
	18	10	33	05.5?	32.63	S	71.79	W	10	G		0.3	8	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	18	10	45	36.2	10.831	N	125.659	E	97	D	4.7	1.3	33	LEYTE, PHILIPPINE ISLANDS
	18	11	52	40.9?	47.32	N	11.48	E	10	G		1.0	4	AUSTRIA. ML 0.7 (VIE).
	18	12	00	58.5?	40.08	N	30.59	E	10	G		0.7	8	TURKEY. MD 3.0 (ISK).
	18	12	14	37.1	19.160	S	167.402	E	36	D	5.5	1.1	100	VANUATU ISLANDS REGION
	18	12	35	07.3?	39.89	N	30.65	E	10	G		0.7	13	TURKEY. MD 3.4 (ISK).
	18	12	36	34.1?	40.02	N	30.64	E	10	G		0.6	8	TURKEY. MD 3.6 (ISK).
	18	13	07	30.2?	69.56	N	31.01	E	10	G		0.6	5	NORWAY-RUSSIA BORDER REGION. MD 2.6 (BER).
	18	14	19	54.8?	34.70	S	70.13	W	5	G		1.1	8	CHILE-ARGENTINA BORDER REGION
	18	14	28	33.9%	40.096	N	30.780	E	10	G		0.7	10	TURKEY. MD 3.2 (ISK).
	18	14	38	57.7	36.517	N	71.269	E	217	D	4.5	1.1	120	AFGHANISTAN-TAJIKISTAN BORD REG. Felt at Chitral, Pakistan.
	18	14	50	15.2%	40.047	N	30.577	E	10	G		0.5	11	TURKEY. MD 3.2 (ISK).
	18	15	06	19.2*	26.391	S	27.253	E	5	G	4.5	1.3	30	REPUBLIC OF SOUTH AFRICA. MD 4.1 (BUL). ML 4.0 (PRE).
	18	15	32	10.5?	17.06	N	99.08	W	67	*		0.8	6	GUERRERO, MEXICO
	18	15	51	39.4	34.774	N	97.596	W	5	G		0.5	10	OKLAHOMA. mbLg 4.0 (GS), 4.2 (TUL). Felt (V) at Maysville; (IV) at Antioch, Elmore City and Foster. Felt in many parts of south-central Oklahoma.
	18	16	07	25.3*	15.840	S	172.723	W	33	N	5.2	1.5	42	SAMOA ISLANDS REGION
	18	16	15	50.7?	28.04	N	143.90	E	33	N	3.9	1.2	9	BONIN ISLANDS REGION
	18	17	42	19.3?	18.12	N	100.37	W	33	N		0.5	5	GUERRERO, MEXICO
	18	18	05	55.2&	63.446	N	151.022	W	3				45	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.0 (PMR).
	18	18	07	00.2?	51.24	N	179.10	E	33	N	3.8	0.8	7	RAT ISLANDS, ALEUTIAN ISLANDS
	18	18	11	30.6?	51.66	N	160.65	E	33	N	4.4	1.0	10	OFF EAST COAST OF KAMCHATKA
	18	18	21	52.0?	18.78	S	177.19	W	310	?	4.2	1.6	23	FIJI ISLANDS REGION
	18	19	22	46.5	37.947	N	101.162	E	33	N	4.5	1.1	36	QINGHAI, CHINA
	18	19	38	22.3	50.957	N	156.437	E	137		4.7	0.9	65	KURIL ISLANDS
	18	19	43	35.6	38.840	N	21.293	E	33	N		1.1	23	GREECE. MD 3.3 (ATH).
	18	20	22	32.3?	20.31	S	177.83	W	524	?	4.6	1.8	13	FIJI ISLANDS REGION
	18	20	45	53.9	18.892	N	70.333	W	91	D	5.0	0.9	187	DOMINICAN REPUBLIC REGION. Felt (V) at Santiago, (IV) at San Francisco de Macoris and (III) at Santo Domingo.
	18	22	54	20.8*	42.233	N	143.019	E	72	*	4.7	1.2	30	HOKKAIDO, JAPAN REGION
	18	23	23	01.9	40.664	N	142.374	E	33	N	4.9 4.6	1.0	75	NEAR EAST COAST OF HONSHU, JAPAN
	18	23	36	13.1*	32.312	S	71.726	W	10	G		0.9	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	19	00	09	11.7?	8.44	S	121.81	E	156	?	4.0	0.2	6	FLORES REGION, INDONESIA. Felt (IV) in the Maumere area.
	19	01	05	57.4	46.281	N	14.118	E	10	G		0.7	7	NORTHWESTERN BALKAN REGION. MD 2.5 (LJU).
	19	02	29	42.6?	17.75	S	176.57	W	33	N	4.4	1.7	15	FIJI ISLANDS REGION
a	19	03	00	23.1	43.376	N	146.971	E	40	D	5.5 5.1	1.0	321	KURIL ISLANDS. Mw 5.6 (HRV). Ms 4.7 (BRK). Felt (IV) on Shikotan and at Yuzhno-Kurilsk, Kunashir.
	19	03	18	25.7&	59.848	N	152.378	W	82				41	SOUTHERN ALASKA. <AEIC>.
	19	03	19	53.3?	43.47	N	146.71	E	33	N	4.5	1.0	14	KURIL ISLANDS
	19	04	31	52.6?	40.07	N	30.66	E	10	G		0.8	5	TURKEY. MD 2.8 (ISK).
	19	04	33	54.9?	31.80	S	72.42	W	10	G		1.5	17	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN).
	19	05	02	11.8&	61.507	N	141.572	W	10	G			19	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.9 (PGC).
	19	05	06	29.9	40.275	N	143.282	E	33	N	4.9	0.9	38	OFF EAST COAST OF HONSHU, JAPAN
a	19	05	25	17.8	3.470	S	140.084	E	27	D	5.4 5.0	1.1	87	IRIAN JAYA, INDONESIA. Mw 5.3 (HRV). Felt (II) at Jayapura.
	19	06	08	12.5%	38.147	N	28.921	E	10	G		0.3	6	TURKEY. MD 2.9 (ISK).
	19	06	14	48.5	51.501	N	159.465	E	36	D	4.8 4.5	1.3	79	OFF EAST COAST OF KAMCHATKA
	19	06	17	25.5%	40.432	N	30.286	E	10	G		1.7	5	TURKEY. MD 2.7 (ISK).
	19	06	33	15.3	28.464	N	83.316	E	10	G	4.3	1.0	35	NEPAL
	19	06	58	05.6%	40.670	N	27.543	E	10	G		0.5	9	TURKEY. MD 3.1 (ISK).
	19	07	05	52.5%	44.368	N	7.262	E	5	G		0.4	7	NORTHERN ITALY. ML 1.9 (GEN).
	19	07	55	40.1&	60.456	N	151.611	W	64				51	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	19	08	43	43.8&	59.842	N	152.663	W	81		3.7		99	SOUTHERN ALASKA. <AEIC>.
	19	09	19	57.1*	10.764	S	117.120	E	33	N	4.9	1.3	23	SOUTH OF SUMBAWA, INDONESIA
	19	09	25	53.8	19.601	N	109.009	W	10	G	4.3	1.2	34	REVILLA GIGEDO ISLANDS REGION
a	19	09	55	33.6	7.395	S	128.260	E	160	G	5.9	1.0	312	BANDA SEA. Mw 5.9 (GS), 5.9 (HRV). Felt (I) at Waingapu, Indonesia. Depth from broadband displacement seismograms.
a	19	11	18	32.0*	13.242	S	111.658	W	10	G	4.6 4.8	0.9	35	CENTRAL EAST PACIFIC RISE. Mw 5.4 (HRV).
	19	13	31	24.2%	34.040	S	69.951	W	5	G		0.2	8	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	19	14	01	30.1&	59.802	N	151.184	W	42				64	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
	19	14	26	23.3*	43.588	N	146.587	E	33	N	4.4	1.0	17	KURIL ISLANDS
	19	14	28	24.4	43.352	N	147.033	E	33	N	4.5	0.9	47	KURIL ISLANDS
	19	14	54	19.1?	28.60	N	103.44	E	33	N	4.3	0.9	25	SICHUAN, CHINA
a	19	15	05	03.4	5.050	N	72.916	W	17	G	6.3 6.6	0.9	607	COLOMBIA. Mw 6.5 (GS), 6.5 (HRV). Ms 6.5 (BRK). Mo=8.8*10**18 Nm (PPT). Five people killed, several injured and at least 20 major buildings damaged in the Bogota area. One person also killed at Manizales and another at Miraflores. More than 500 houses damaged or destroyed in Boyaca Department and 12 others destroyed in Casanare Department. Landslides blocked several rivers and streams in Colombia. Felt in much of Colombia and western Venezuela and as far as Caracas, Venezuela. Two events about 1.9 seconds apart. Depth from broadband displacement seismograms, based on first event.
	19	15	31	22.0&	63.394	N	151.916	W	7				27	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	19	16	07	02.8	9.279	N	126.539	E	33	N	4.7	1.3	24	MINDANAO, PHILIPPINE ISLANDS
	19	16	41	15.5?	43.16	N	18.07	E	5	G		0.6	8	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
	19	16	58	25.7%	42.035	N	19.254	E	10	G		0.6	8	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
	19	17	34	54.0	4.999	N	73.077	W	33	N	4.9	0.9	100	COLOMBIA. Felt in Boyaca and Casanare Departments.
	19	17	35	10.4	14.199	N	119.245	E	33	N	4.2	0.8	13	LUZON, PHILIPPINE ISLANDS
	19	18	28	28.1?	34.15	S	69.92	W	5	G		0.5	6	CHILE-ARGENTINA BORDER REGION
	19	18	59	11.9?	36.93	N	29.00	E	10	G		0.5	4	TURKEY. MD 3.4 (ISK).
	19	19	17	09.7?	2.93	N	126.36	E	33	N	4.3	1.4	13	NORTHERN MOLUCCA SEA
	19	19	38	00.7%	38.282	N	27.765	E	10	G		0.5	5	TURKEY. MD 2.9 (ISK).
	19	19	42	28.1*	43.459	N	147.719	E	33	N	4.3	1.3	26	KURIL ISLANDS

	19	20 25	10.9%	43.992	N	7.884	E	5	G			0.6	8	NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN).
	19	20 48	59.2?	38.29	N	21.77	E	10	G			0.3	4	GREECE. MD 3.0 (ATH).
	19	20 53	08.5	44.811	N	111.071	W	5	G			0.8	12	HEBGEN LAKE REGION. ML 3.0 (BUT).
	19	20 57	37.5*	27.447	N	140.068	E	452	*	4.6		0.8	72	BONIN ISLANDS REGION
a	19	21 01	29.7	28.952	N	43.340	W	10	G	4.9	4.2	0.9	69	NORTHERN MID-ATLANTIC RIDGE. Mw 5.2 (HRV).
	19	21 05	12.9%	33.784	S	70.224	W	110	G			0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	19	21 08	25.8*	30.783	N	131.775	E	33	N	4.8		1.1	22	KYUSHU, JAPAN
	19	21 29	33.6?	28.63	N	34.69	E	10	G			0.2	4	EGYPT
	19	21 43	51.7%	27.300	N	87.126	E	24	*			1.2	8	NEPAL. ML 1.7 (DMN).
	19	21 46	13.6&	59.138	N	152.295	W	81					29	SOUTHERN ALASKA. <AEIC>.
	19	21 59	20.1?	24.07	S	66.88	W	190	?	4.5		1.0	13	SALTA PROVINCE, ARGENTINA
	19	22 14	36.1%	34.008	S	70.170	W	5	G			0.5	8	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	19	22 20	12.7?	18.16	S	178.40	W	500	G	4.4		1.4	12	FIJI ISLANDS REGION
	19	23 03	25.7	51.255	N	179.158	E	33	N	4.5		0.8	53	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
	19	23 10	30.0	38.874	N	20.538	E	10	G			1.4	12	GREECE. MD 3.1 (ATH).
	19	23 19	32.2*	33.792	N	25.281	E	33	N	3.9		1.6	14	EASTERN MEDITERRANEAN SEA. MD 4.2 (HLW), 4.0 (ATH).
a	20	00 55	22.1	10.990	S	162.145	E	27	D	5.6	5.4	1.2	139	SOLOMON ISLANDS. Mw 5.8 (HRV). Ms 5.6 (BRK). Mo=9.0*10**17 Nm (PPT). Felt (II) at Honiara.
	20	01 48	19.1?	17.49	S	178.96	W	600	G	4.2		0.9	12	FIJI ISLANDS REGION
	20	02 10	52.7?	12.84	S	166.33	E	33	N	4.3		1.1	16	SANTA CRUZ ISLANDS
	20	02 48	59.6	34.521	N	134.674	E	10	G	4.4		1.0	30	NEAR S. COAST OF WESTERN HONSHU
	20	03 10	10.8%	40.562	N	23.568	E	10	G			0.6	6	GREECE
a	20	03 35	45.9	43.333	N	146.800	E	58	G	5.8		0.8	457	KURIL ISLANDS. Mw 5.6 (GS), 5.4 (HRV). Felt (V) on Shikotan, (IV) at Yuzhno-Kurilsk, Kunashir and (III) at Kurilsk, Iturup. Depth from broadband displacement seismograms.
	20	04 48	47.3	44.791	N	111.046	W	5	G			0.7	13	HEBGEN LAKE REGION. ML 3.0 (BUT).
	20	04 50	59.9?	23.62	S	179.81	W	500	G	4.7		1.1	10	SOUTH OF FIJI ISLANDS
a	20	05 41	59.8	5.942	N	125.816	E	134		4.9		1.0	71	MINDANAO, PHILIPPINE ISLANDS. Mw 5.2 (HRV).
	20	05 43	50.9%	47.123	N	11.173	E	10	G			1.3	5	AUSTRIA. ML 1.2 (VIE).
	20	05 44	51.3%	47.124	N	11.244	E	10	G			0.1	5	AUSTRIA. ML 1.3 (VIE).
	20	06 45	09.2*	14.012	N	92.142	W	33	N	4.3		1.6	26	NEAR COAST OF CHIAPAS, MEXICO. MD 4.4 (GCG).
	20	06 51	40.8?	32.40	S	71.74	W	10	G			0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	20	07 14	27.2	7.160	N	38.441	E	14	D	5.0		1.0	52	ETHIOPIA
	20	08 04	45.1%	21.112	S	121.049	E	10	G			1.2	8	WESTERN AUSTRALIA
	20	08 18	40.2*	43.263	N	146.086	E	33	N	4.4		0.9	14	KURIL ISLANDS
	20	08 42	01.3%	40.010	N	29.129	E	10	G			0.3	5	TURKEY. MD 2.6 (ISK).
	20	09 31	23.0%	33.987	S	71.412	W	33	N			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	20	10 55	05.9%	41.932	N	19.284	E	10	G			0.4	9	ALBANIA. ML 1.9 (TTG).
	20	11 20	47.4*	14.160	S	169.804	W	33	N	4.7		1.2	20	SAMOA ISLANDS
a	20	11 29	12.3	14.026	N	91.868	W	67		5.0	5.4	1.1	174	GUATEMALA. Mw 5.7 (HRV). Ms 5.2 (BRK). MD 5.1 (GCG).
	20	12 59	30.9	8.490	S	121.363	E	192	*	4.8		1.2	25	FLORES REGION, INDONESIA
a	20	13 59	20.2	5.178	N	72.921	W	33	N	5.1		1.0	160	COLOMBIA. Mw 5.2 (HRV). MD 5.4 (UPA). Felt at Bogota, Bucaramanga, Tunja and Villavicencio.
	20	14 06	11.8&	38.636	N	119.781	W	0					13	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 2.8 (GS).
a	20	14 19	56.7*	31.889	S	178.259	W	33	N	5.3		1.4	45	KERMADEC ISLANDS REGION. Mw 5.1 (HRV).
	20	14 58	36.4?	6.59	S	127.83	E	400	G	4.3		1.1	8	BANDA SEA
a	20	15 49	02.2	1.184	N	125.998	E	57		5.7		1.3	206	NORTHERN MOLUCCA SEA. Mw 5.9 (HRV). Mo=1.6*10**18 Nm (PPT). Felt (IV) at Manado, Indonesia.
	20	16 39	35.4&	60.368	N	152.590	W	98					44	SOUTHERN ALASKA. <AEIC>.
	20	16 56	20.6	46.521	N	12.894	E	10	G			1.1	12	NORTHERN ITALY. MD 2.4 (TRI). ML 2.3 (VIE).
	20	17 36	29.4?	34.08	S	69.94	W	5	G			0.3	7	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	20	18 20	41.2	39.710	N	20.577	E	10	G			0.8	9	GREECE-ALBANIA BORDER REGION
	20	19 02	15.6&	61.458	N	151.662	W	98					63	SOUTHERN ALASKA. <AEIC>.
	20	19 11	04.7*	43.501	N	147.309	E	33	N	4.4		0.7	11	KURIL ISLANDS
	20	19 44	41.2*	43.366	N	17.867	E	5	G			0.9	10	NORTHWESTERN BALKAN REGION. ML 2.9 (TTG).
	20	19 50	47.5*	5.832	S	154.285	E	33	N	4.4		1.1	24	SOLOMON ISLANDS
	20	20 34	55.4*	22.861	S	68.667	W	132	?	4.3		1.6	19	NORTHERN CHILE
	20	20 44	22.3?	43.78	N	146.13	E	33	N	4.6		0.6	10	KURIL ISLANDS
	20	22 10	40.0	35.898	N	141.450	E	33	N	4.5		1.0	46	NEAR EAST COAST OF HONSHU, JAPAN
	20	22 47	51.6	0.548	S	19.747	W	10	G	4.6	4.2	1.0	46	CENTRAL MID-ATLANTIC RIDGE
	20	22 52	22.4	46.490	N	12.878	E	10	G			1.3	25	NORTHERN ITALY. MD 3.4 (LJU), 2.8 (TRI). ML 3.2 (GRF), 3.0 (FUR).
	20	23 20	33.5%	45.074	N	3.176	E	10	G			0.8	8	FRANCE. ML 2.4 (LDG).
a	21	00 16	12.1	46.711	N	152.661	E	58	*	4.8		0.8	67	KURIL ISLANDS. Mw 5.1 (HRV).
	21	00 36	59.1*	6.539	N	72.690	W	193	?	4.1		0.8	16	NORTHERN COLOMBIA
	21	00 54	21.4	35.907	N	24.162	E	33	N	3.9		1.4	11	CRETE. ML 3.5 (ATH).
	21	01 58	03.8	70.418	N	17.399	E	10	G			1.2	11	NORWEGIAN SEA. MD 2.9 (BER).
	21	03 02	32.1	29.017	N	52.053	E	33	N	4.7		1.2	49	SOUTHERN IRAN. MD 4.6 (RYD). Felt in the Firuzabad area.
	21	03 48	15.7	37.378	N	36.151	E	27		4.5		0.9	55	TURKEY. ML 4.3 (BHL).
	21	04 57	51.9?	13.73	N	93.17	W	10	G	4.0		1.4	10	OFF COAST OF CHIAPAS, MEXICO. MD 4.2 (GCG).
	21	05 51	51.9%	19.270	N	98.952	W	10	G			1.3	7	CENTRAL MEXICO
	21	06 41	08.1?	36.93	N	3.97	W	50	G			0.1	4	STRAIT OF GIBRALTAR
a	21	06 56	33.5	40.572	N	143.603	E	34	D	5.4	5.5	0.9	165	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.4 (HRV).
	21	06 58	15.3	51.491	N	6.597	E	5	G			1.1	15	GERMANY. ML 2.8 (LDG), 2.7 (DBN), 2.6 (BNS). Probably mining induced.
	21	07 08	32.2	44.095	N	7.259	E	10	G			0.4	10	NORTHERN ITALY. ML 1.9 (GEN), 1.9 (LDG).
	21	07 14	11.7*	11.576	N	86.942	W	61	?	4.1		0.9	21	NEAR COAST OF NICARAGUA
	21	07 25	03.1?	11.10	N	86.82	W	33	N	3.9		1.3	12	NEAR COAST OF NICARAGUA
a	21	07 30	22.9	2.563	N	126.882	E	42		6.2	6.0	1.1	342	NORTHERN MOLUCCA SEA. Mw 6.2 (GS), 6.2 (HRV). Ms 6.1 (BRK). Felt (III) at Manado, Indonesia. Two events about 2 seconds apart observed on broadband displacement seismograms.
	21	07 39	08.5%	34.032	S	69.952	W	5	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	21	07 40	31.2?	50.10	N	18.82	E	10	G			1.5	6	POLAND. ML 3.3 (CLL).
	21	07 55	05.2%	34.030	S	69.989	W	5	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	21	08 34	50.6&	63.268	N	151.087	W	13					66	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.6 (PMR).
a	21	08 47	29.6	43.377	N	146.720	E	59	G	6.5	5.9	0.8	621	KURIL ISLANDS. Mw 6.2 (GS), 6.3 (HRV). mb 6.6 (BRK). Mo=3.4*10**18 Nm (PPT), 2.0*10**19 Nm (OBN). Felt (VI) on Shikotan and at Yuzhno-Kurilsk, Kunashir. Felt (IV JMA) at Kushiro and (III JMA) at Nemuro, Hokkaido.

														Depth from broadband displacement seismograms.
	21	09	18	18.0	4.965	N	72.991	W	33	N	5.3	5.3	0.9	213	COLOMBIA. Felt in the eastern part of Boyaca Department.
	21	10	33	11.4	13.505	N	120.775	E	164		4.4		0.8	41	MINDORO, PHILIPPINE ISLANDS
	21	10	38	03.5&	34.239	S	70.848	W	80	G			0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
	21	11	21	14.6?	5.39	S	147.24	E	223	?	4.2		1.3	5	EASTERN NEW GUINEA REG., P.N.G.
	21	11	44	23.3?	30.79	S	71.95	W	10	G			0.3	12	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
	21	11	52	18.0?	12.52	S	166.28	E	48	?	4.1		0.9	18	SANTA CRUZ ISLANDS
	21	12	12	41.8	34.573	N	134.842	E	13	*	4.0		0.6	12	NEAR S. COAST OF WESTERN HONSHU
	21	12	38	43.4*	47.037	N	153.844	E	33	N	4.3		1.1	26	KURIL ISLANDS
	21	13	00	50.7	51.674	N	16.279	E	10	G	3.5		0.8	21	POLAND. ML 4.0 (GRF), 3.7 (VIE).
	21	13	10	05.4	32.496	S	68.991	W	5	G			0.5	12	MENDOZA PROVINCE, ARGENTINA. MD 4.2 (SAN).
a	21	16	01	23.9	7.046	S	129.113	E	177		5.8		0.9	213	BANDA SEA. Mw 5.6 (HRV).
	21	16	23	23.2?	37.09	N	29.02	E	10	G			0.6	4	TURKEY. MD 3.2 (ISK).
	21	16	40	16.4	43.012	N	0.245	W	10	G			1.3	6	PYRENEES. ML 2.9 (LDG). mbLg 2.8 (MDD). Felt (III) in the Ossau Valley, France.
a	21	16	44	07.4	2.596	S	134.350	E	33	N	5.3	4.7	1.0	69	IRIAN JAYA REGION, INDONESIA. Mw 5.2 (HRV).
	21	17	09	00.4?	52.05	N	172.64	E	33	N	3.4		0.5	6	NEAR ISLANDS, ALEUTIAN ISLANDS
	21	19	27	15.5*	11.498	N	86.260	W	33	N	4.3		0.8	16	NEAR COAST OF NICARAGUA
	21	19	52	29.3&	36.816	N	121.546	W	7					28	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
	21	20	07	59.0*	8.400	S	116.833	E	33	N	4.1		1.2	14	SUMBAWA REGION, INDONESIA
	21	21	14	06.2&	60.654	N	151.620	W	64					44	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
	21	21	23	35.7	45.923	N	149.227	E	123		5.1		1.0	164	KURIL ISLANDS
	21	21	34	27.6&	47.232	N	0.734	W	5	G			1.0	6	FRANCE. ML 2.8 (LDG).
	21	22	01	05.9	44.825	N	111.452	W	5	G			0.4	9	HEBGEN LAKE REGION. ML 3.0 (BUT).
	21	22	36	04.8&	33.917	N	116.649	W	15					4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS). Felt (III) at Palm Springs.
	21	23	01	00.7	35.936	N	21.683	E	58	*	4.0		1.0	33	CENTRAL MEDITERRANEAN SEA. MD 4.0 (ATH).
	21	23	11	56.0&	59.151	N	153.055	W	74					35	SOUTHERN ALASKA. <AEIC>.
	21	23	36	06.0&	34.049	N	118.380	W	10					4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS). Felt.
	21	23	48	33.8?	34.79	S	70.93	W	90	G			0.1	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
a	22	00	20	40.3	20.436	S	177.929	W	504	D	5.1		0.9	256	FIJI ISLANDS REGION. Mw 5.7 (HRV).
	22	00	53	49.5*	37.024	N	20.251	E	10	G			0.7	8	IONIAN SEA. ML 3.4 (ATH).
	22	01	00	37.3?	36.97	N	29.00	E	10	G			0.5	4	DODECANESE ISLANDS. MD 3.2 (ISK).
	22	01	29	03.8&	34.306	N	116.865	W	4					27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.0 (GS). Felt.
	22	01	39	34.5?	2.46	N	126.77	E	33	N	4.5		0.6	6	NORTHERN MOLUCCA SEA
a	22	02	38	12.0	41.486	N	29.337	W	16	D	5.0		0.9	103	AZORES ISLANDS REGION. Mw 5.1 (HRV).
	22	03	19	11.5&	30.935	S	72.058	W	91	?	4.7		0.8	16	OFF COAST OF CENTRAL CHILE
	22	03	36	32.3	46.157	N	149.179	E	151	D	4.8		0.9	152	KURIL ISLANDS
	22	03	40	03.6&	40.401	N	125.087	W	10					28	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).
	22	04	44	21.6*	33.599	S	179.477	E	117		5.2		1.4	34	SOUTH OF KERMADEC ISLANDS
	22	06	00	11.9*	46.591	N	151.356	E	33	N	4.1		0.8	12	KURIL ISLANDS
	22	06	03	29.3	48.231	N	8.666	E	10	G			1.2	25	GERMANY. ML 3.2 (FUR), 3.2 (LDG), 3.0 (VIE), 2.8 (GRF).
	22	07	38	45.5?	36.62	N	29.03	E	33	N			0.7	4	TURKEY. MD 3.3 (ISK).
	22	07	47	18.8?	40.97	N	28.37	E	10	G			0.9	4	TURKEY. MD 2.7 (ISK).
	22	08	01	27.0	34.821	N	139.396	E	33	N	3.9		0.5	13	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Atami, (II JMA) at Yokohama and (I JMA) at Tokyo.
	22	08	24	48.7&	37.050	N	80.789	W	9					9	WEST VIRGINIA. <BLA-P>. mbLg 2.9 (BLA), 2.7 (GS). Felt (V) at Pulaski; (III) at Draper, Hiwassee and Woodlawn, Virginia.
	22	09	14	25.1	31.480	S	68.556	W	114	*			0.9	18	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
	22	09	46	03.1?	40.31	N	29.19	E	10	G			0.3	4	TURKEY. MD 2.5 (ISK).
	22	10	32	56.3&	62.380	N	151.077	W	73					34	CENTRAL ALASKA. <AEIC>.
a	22	10	41	27.5	5.093	N	72.965	W	21	D	5.5	5.1	0.8	324	COLOMBIA. Mw 5.7 (HRV). Ms 4.8 (BRK). Additional damage in the eastern part of Boyaca Department. Felt strongly in Boyaca, Casanare, Cundinamarca, Meta, Santander and Tolima Departments.
	22	10	53	25.9?	39.14	N	27.49	E	10	G			0.1	4	TURKEY. MD 2.7 (ISK).
	22	11	26	40.2*	4.994	N	72.848	W	60	?	4.1		1.0	7	COLOMBIA
	22	11	43	38.2*	5.300	N	72.950	W	43	*	3.7		1.4	10	COLOMBIA
	22	11	48	01.1	11.503	N	92.377	E	33	N	4.6		0.8	22	ANDAMAN ISLANDS, INDIA
a	22	12	04	48.4?	27.12	S	176.51	W	81	?	4.8		1.3	34	KERMADEC ISLANDS REGION. Mw 5.5 (HRV).
	22	14	01	49.3*	13.632	S	169.464	W	33	N	4.3		0.9	22	SAMOA ISLANDS
	22	15	33	05.0?	34.73	N	134.72	E	10	G	4.1		0.8	12	NEAR S. COAST OF WESTERN HONSHU
	22	15	58	57.3*	23.020	S	70.475	W	33	N			1.5	8	NEAR COAST OF NORTHERN CHILE
	22	16	05	19.6?	31.00	S	69.44	W	150	G			0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
	22	16	08	58.3&	62.490	N	149.786	W	65					48	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
	22	16	11	41.6&	34.307	N	116.860	W	5					35	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.3 (GS). Felt.
	22	16	28	41.2&	34.308	N	116.863	W	5					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt.
	22	18	06	37.7*	5.181	N	72.949	W	54	*	4.3		1.?	10	COLOMBIA. Felt in the epicentral area.
	22	18	48	32.3*	14.015	N	92.309	W	39	*	4.2		0.9	26	NEAR COAST OF CHIAPAS, MEXICO
	22	18	53	39.8&	40.588	N	23.427	E	5	G			0.4	7	GREECE
	22	19	28	26.3*	8.751	N	126.964	E	33	N	4.4		1.4	15	MINDANAO, PHILIPPINE ISLANDS
	22	19	46	29.6	36.889	N	28.986	E	16		4.3		1.1	40	DODECANESE ISLANDS. MD 4.4 (ATH), 4.1 (ISK).
	22	19	54	48.4&	37.844	N	118.182	W	4					21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
	22	20	21	58.2	31.227	S	71.105	W	93		4.7		1.0	37	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN).
	22	20	26	23.6	36.965	N	28.993	E	10	G			1.0	8	DODECANESE ISLANDS. MD 3.8 (ATH), 3.4 (ISK).
	22	21	02	26.9	34.321	N	135.020	E	10	G	4.4		1.1	19	NEAR S. COAST OF WESTERN HONSHU
	22	21	45	36.0	10.119	N	70.048	W	11		4.5	4.0	1.4	35	VENEZUELA. Felt at Barquisimeto, El Tocuyo, and Quibor.
	22	22	03	22.6&	43.159	N	18.116	E	10	G			0.7	9	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).
	22	22	26	28.4*	38.948	N	19.962	E	33	N			0.9	10	IONIAN SEA
	22	22	27	29.3	40.611	N	23.400	E	10	G			1.1	25	GREECE. ML 4.0 (THE).
	22	22	35	23.6	40.598	N	23.510	E	5	G			1.1	17	GREECE. ML 3.6 (THE). MD 3.3 (ATH).
	22	22	50	03.0?	36.45	N	28.68	E	33	N			0.1	4	DODECANESE ISLANDS. MD 2.9 (ISK).
	22	23	14	34.5&	36.827	N	28.849	E	10	G			1.4	5	DODECANESE ISLANDS. MD 3.1 (ISK).
	22	23	39	14.5&	36.874	N	28.910	E	10	G			0.3	6	DODECANESE ISLANDS. MD 3.2 (ISK).
	22	23	52	44.5&	40.046	N	30.655	E	10	G			0.7	10	TURKEY. MD 3.4 (ISK).
	23	00	22	47.6	36.915	N	28.955	E	10	G			0.9	7	DODECANESE ISLANDS. MD 3.3 (ISK).
	23	00	32	12.7*	34.231	S	70.539	W	100	G			0.2	11	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
	23	00	36	51.5	5.164	N	72.957	W	33	N	4.6	4.2	0.9	41	COLOMBIA. Felt strongly in Boyaca Department.

	23	00 46 49.3&	38.803	N	119.692	W	0				9	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
	23	00 59 55.4	36.940	N	28.988	E	10	G		1.2	12	DODECANESE ISLANDS. MD 3.9 (ATH), 3.6 (ISK).
	23	01 23 04.4&	37.028	N	28.895	E	10	G		0.4	5	TURKEY. MD 3.2 (ISK).
	23	01 29 10.9*	44.771	N	149.270	E	33	N	4.3	0.9	29	KURIL ISLANDS
	23	01 36 27.4&	43.046	N	18.141	E	10	G		0.7	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
	23	01 42 53.2	36.597	N	71.481	E	184	*	4.5	0.5	19	AFGHANISTAN-TAJIKISTAN BORD REG.
	23	01 52 58.0	26.833	S	70.622	W	33	N	4.2	1.0	22	NEAR COAST OF NORTHERN CHILE
	23	03 07 10.5	40.590	N	23.388	E	10	G		1.3	13	GREECE. MD 2.8 (ATH). ML 2.7 (THE).
	23	03 14 40.3&	40.579	N	23.423	E	5	G		0.5	7	GREECE
	23	03 54 13.2	36.960	N	28.981	E	10	G		1.1	8	DODECANESE ISLANDS. MD 3.9 (ATH), 3.5 (ISK).
	23	04 33 58.0	39.314	N	20.550	E	5	G		0.8	14	GREECE-ALBANIA BORDER REGION
	23	04 41 36.7&	40.630	N	29.067	E	5	G		0.5	7	TURKEY. MD 2.6 (ISK).
	23	04 49 53.5*	10.061	N	70.042	W	25	*	3.8	1.3	13	VENEZUELA. Felt at Barquisimeto, El Tocuyo, and Quibor.
	23	05 01 36.5&	40.632	N	29.091	E	5	G		0.2	5	TURKEY. MD 2.6 (ISK).
	23	06 14 23.0*	55.446	N	157.003	W	33	N	4.0	1.1	15	ALASKA PENINSULA. ML 4.1 (PMR).
	23	06 40 53.8	54.440	N	162.705	W	33	N	4.3	0.9	36	ALASKA PENINSULA. ML 4.2 (PMR).
	23	07 58 53.3&	34.307	N	116.863	W	4				26	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.2 (GS). Felt.
	23	08 00 59.7	5.038	N	73.116	W	41		4.7	1.1	67	COLOMBIA. Felt in the epicentral area.
	23	08 03 34.7*	32.432	N	93.408	E	33	N	3.8	0.9	13	XIZANG
	23	08 37 08.8	36.876	N	28.970	E	10	G		0.8	9	DODECANESE ISLANDS. MD 4.0 (ATH), 3.5 (ISK).
	23	08 52 09.9?	33.56	S	71.88	W	33	N		0.8	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	23	09 27 17.4*	19.486	N	96.211	E	33	N	5.1	1.4	23	MYANMAR
	23	09 47 46.8&	36.910	N	28.949	E	10	G		0.5	5	DODECANESE ISLANDS. MD 3.2 (ISK).
a	23	10 16 18.5	26.835	S	176.472	W	33	N	5.4 5.7	1.2	95	SOUTH OF FIJI ISLANDS. Mw 5.8 (HRV). Ms 5.5 (BRK). Mo=1.3*10**18 Nm (PPT).
	23	11 19 57.9&	44.248	N	7.382	E	5	G		0.7	10	NORTHERN ITALY. ML 2.4 (GEN).
	23	11 35 03.5&	64.924	N	148.932	W	22				34	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).
	23	12 08 38.7*	8.604	S	159.259	E	145	?	4.6	0.7	16	SOLOMON ISLANDS
	23	12 13 46.4	29.349	N	139.526	E	327	*	4.5	0.9	59	SOUTH OF HONSHU, JAPAN
	23	12 44 16.4?	34.85	N	135.34	E	12	*	3.6	1.3	6	NEAR S. COAST OF WESTERN HONSHU. Felt (III JMA) at Kobe.
	23	12 46 35.1?	35.01	S	70.38	W	150	G		0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	23	14 58 23.4&	61.580	N	150.464	W	50				45	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	23	16 06 06.3*	17.108	S	65.700	W	37	?	4.3	1.0	11	CENTRAL BOLIVIA
	23	17 06 34.8?	15.89	N	97.15	W	33	N		0.8	5	NEAR COAST OF OAXACA, MEXICO
	23	17 20 06.6*	50.458	N	18.831	E	10	G		1.1	7	POLAND
	23	17 34 59.3	38.223	N	22.058	E	5	G	4.1	1.2	30	GREECE. MD 3.7 (ATH).
	23	17 44 50.3*	30.022	S	138.297	E	10	G		0.7	6	SOUTH AUSTRALIA
	23	19 25 51.8?	39.10	N	27.92	E	10	G		0.7	4	TURKEY. MD 2.8 (ISK).
	23	19 43 07.2*	47.313	N	18.223	E	10	G		1.2	6	HUNGARY. MG 2.0 (BRA). Felt (III) in the Peremarton area.
	23	20 22 41.9	13.473	N	90.761	W	74		4.4	1.1	26	NEAR COAST OF GUATEMALA. MD 4.6 (GCG).
	23	20 24 39.3?	13.35	N	90.86	W	72	*	4.0	0.9	12	NEAR COAST OF GUATEMALA
	23	21 11 51.8&	32.739	S	71.652	W	10	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	23	21 56 31.5	36.961	N	28.906	E	10	G		1.0	8	DODECANESE ISLANDS. MD 3.9 (ATH), 3.5 (ISK).
	23	22 11 15.4*	5.863	S	145.853	E	21	?		1.4	6	EASTERN NEW GUINEA REG., P.N.G. ML 4.3 (PMG).
	23	22 24 02.6	36.881	N	28.956	E	10	G		1.0	8	DODECANESE ISLANDS. MD 3.4 (ISK).
	23	22 29 25.6?	36.56	N	28.96	E	10	G		1.3	6	DODECANESE ISLANDS. MD 3.4 (ISK).
	23	23 05 48.9	25.941	N	128.463	E	33	N	4.7	0.6	28	RYUKYU ISLANDS
	23	23 09 51.4	40.575	N	23.378	E	5	G		0.8	11	GREECE. ML 2.8 (THE).
	23	23 45 21.2?	33.01	S	72.06	W	10	G		0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	24	00 14 42.4*	38.160	N	21.843	E	33	N		0.3	5	GREECE. MD 3.1 (ATH).
	24	01 19 00.5&	63.576	N	149.938	W	140				85	CENTRAL ALASKA. <AEIC>.
	24	01 24 23.4?	35.58	S	71.57	W	110	G		0.2	9	CENTRAL CHILE. MD 3.8 (SAN).
	24	02 07 45.0&	44.423	N	7.183	E	12			0.3	8	NORTHERN ITALY. ML 2.0 (GEN).
	24	02 51 51.5&	59.669	N	153.095	W	105				63	SOUTHERN ALASKA. <AEIC>.
a	24	04 14 26.3	27.560	N	55.630	E	33	N	4.9	1.0	100	SOUTHERN IRAN. Mw 5.0 (HRV). MD 4.6 (RYD). Eleven people injured and some damage in the Bandar-e Abbas area.
	24	04 35 32.9?	42.95	N	148.01	E	33	N	4.2	1.2	8	OFF COAST OF HOKKAIDO, JAPAN
	24	06 22 04.1?	22.07	S	179.62	E	572	*	5.2	0.8	13	SOUTH OF FIJI ISLANDS
	24	06 58 57.2	27.317	N	55.542	E	33	N	4.5	1.3	37	SOUTHERN IRAN. MD 4.2 (RYD).
	24	07 09 38.2*	32.007	S	70.274	W	110	G		0.4	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	24	07 29 36.7	55.571	N	160.498	E	139	D	4.8	0.8	144	KAMCHATKA
	24	08 29 12.0?	47.04	N	0.81	W	5	G		1.0	7	FRANCE. ML 2.8 (LDG).
	24	08 32 05.6	40.931	N	131.491	E	533		4.7	0.8	151	SEA OF JAPAN
	24	08 48 25.4&	64.854	N	146.618	W	13				31	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC). Felt (V) at mile 22.5 on Chena Hot Springs Road.
	24	09 05 52.4	36.914	N	29.047	E	10	G		1.2	7	TURKEY. MD 3.9 (ATH), 3.6 (ISK).
	24	09 12 15.9?	27.33	S	176.66	W	88	?	4.2	1.5	17	KERMADEC ISLANDS REGION
	24	09 24 47.3?	51.36	N	15.75	E	10	G		1.3	4	POLAND
	24	11 00 09.2?	36.98	N	28.98	E	10	G		0.4	4	DODECANESE ISLANDS. MD 3.2 (ISK).
	24	11 50 30.0?	51.10	N	179.19	E	33	N		1.1	4	RAT ISLANDS, ALEUTIAN ISLANDS
	24	11 57 28.9&	33.941	N	117.346	W	15				51	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.5 (GS). Felt (IV) at Moreno Valley, Nuevo and Riverside; (II) at Colton. Felt as far as Pasadena.
	24	12 19 21.9&	17.876	N	101.317	W	87	?		1.1	9	NEAR COAST OF GUERRERO, MEXICO
	24	12 20 34.9*	31.291	S	69.411	W	120	G		0.4	11	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
	24	12 24 15.7*	35.483	N	26.906	E	10	G	4.1	1.4	9	CRETE. MD 4.1 (ATH).
	24	12 26 52.4?	45.20	N	5.85	E	10	G		0.6	7	FRANCE
	24	12 57 41.4&	63.270	N	151.141	W	11				65	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
	24	13 05 25.0?	40.29	N	29.85	E	5	G		0.2	4	TURKEY. MD 2.8 (ISK).
	24	14 07 13.4?	37.08	N	22.74	E	5	G		0.2	4	SOUTHERN GREECE. MD 3.3 (ATH).
	24	14 54 37.1	32.731	S	71.545	W	26			1.1	14	NEAR COAST OF CENTRAL CHILE. MD 4.5 (SAN). Felt at Los Andes, Papudo, Petorca, Puchuncavi, Quillota, Quilpue, Valparaiso and Vina del Mar.
a	24	15 25 01.2	51.401	N	178.399	W	33	N	4.9 4.6	1.0	110	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.2 (HRV). ML 4.7 (PMR). Felt (IV) on Adak.
	24	17 36 38.5	40.501	N	23.796	E	10	G		0.5	8	GREECE
	24	17 53 10.1&	46.265	N	1.461	E	10	G		0.8	12	FRANCE. ML 2.8 (LDG).
	24	17 56 01.9&	46.247	N	1.447	E	10	G		0.8	12	FRANCE. ML 2.9 (LDG).
a	24	17 57 01.3	27.153	S	176.457	W	33	N	5.3 5.4	1.2	97	KERMADEC ISLANDS REGION. Mw 5.6 (HRV). Ms 5.3 (BRK).

	24	18	07	25.5%	40.792	N	23.025	E	5	G			0.5	7	GREECE
	24	18	08	40.5	36.289	N	23.130	E	10	G			0.9	59	SOUTHERN GREECE. ML 4.0 (ATH).
	24	18	25	52.0	43.341	N	8.229	E	10	G			0.8	15	CORSICA. ML 2.5 (GEN), 2.5 (LDG).
	24	19	21	03.5	43.873	N	147.120	E	91	*	4.6		0.8	51	KURIL ISLANDS
	24	20	04	45.2*	44.616	N	147.648	E	33	N	4.3		0.6	16	KURIL ISLANDS
	24	20	23	52.9	41.937	N	23.195	E	5	G			1.1	11	GREECE-BULGARIA BORDER REGION. ML 2.5 (SKO).
	24	20	38	13.4	40.390	N	143.748	E	33	N	4.8		0.8	46	OFF EAST COAST OF HONSHU, JAPAN
	24	20	55	56.1*	27.226	S	176.415	W	71	?	4.5		1.0	24	KERMADEC ISLANDS REGION
	24	22	17	18.1&	34.305	N	116.862	W	6					14	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS). Felt.
	24	22	28	23.5&	34.304	N	116.863	W	4					25	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.1 (GS). Felt.
	24	22	34	53.9	32.161	S	71.507	W	14				0.5	15	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
a	24	22	36	34.1	5.902	S	154.492	E	25	G	5.8	6.1	1.1	163	SOLOMON ISLANDS. Mw 6.2 (GS), 6.1 (HRV). Ms 6.1 (BRK). Depth from broadband displacement seismograms.
	24	22	49	19.3	40.549	N	23.433	E	5	G			0.8	11	GREECE. MD 2.9 (ATH). ML 2.5 (THE).
	24	22	53	00.1%	40.582	N	23.395	E	5	G			0.4	6	GREECE
	24	22	56	19.8	35.642	N	141.079	E	10	G	4.6		1.0	32	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Choshi and (I JMA) at Chiba and Mito.
	24	23	10	55.3&	57.517	N	151.145	W	20					46	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
	24	23	47	45.3	38.205	N	21.872	E	33	N			0.9	7	GREECE. ML 3.0 (ATH).
	25	01	08	29.2&	60.076	N	152.889	W	102		3.2			77	SOUTHERN ALASKA. <AEIC>.
	25	01	31	06.2&	33.816	N	116.198	W	7					3	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
	25	01	55	48.4%	33.987	S	70.002	W	10	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	25	02	58	55.9?	39.39	N	27.81	E	5	G			0.1	4	TURKEY. MD 2.8 (ISK).
	25	03	20	29.2?	36.95	N	28.97	E	5	G			0.4	4	DODECANESE ISLANDS. MD 3.5 (ISK).
	25	03	28	20.5?	39.34	N	28.10	E	5	G			0.3	4	TURKEY. MD 2.8 (ISK).
	25	03	34	14.8*	39.138	N	28.644	E	10	G			1.2	8	TURKEY. MD 3.4 (ISK), 3.4 (ATH).
	25	03	38	47.7%	39.348	N	28.119	E	5	G			0.4	5	TURKEY. MD 2.7 (ISK).
	25	03	58	28.7*	7.270	S	130.607	E	77	*	4.6		1.3	9	TANIMBAR ISLANDS REG., INDONESIA
	25	04	03	47.9?	13.20	N	92.94	W	33	N	4.0		1.5	9	OFF COAST OF CHIAPAS, MEXICO
	25	04	19	32.7&	37.773	N	121.935	W	10					52	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 3.0 (GS), 2.7 (BRK). Felt (III) at Danville. Also felt in the San Ramon area.
	25	05	36	10.0%	40.585	N	23.412	E	5	G			0.4	6	GREECE. ML 2.3 (THE).
	25	06	39	55.5	43.459	N	147.243	E	57	D	4.8		0.8	79	KURIL ISLANDS
	25	08	41	28.2?	39.43	N	29.32	E	10	G			0.7	5	TURKEY. MD 2.7 (ISK).
	25	09	13	07.7	16.569	N	99.298	W	10	G			0.5	5	NEAR COAST OF GUERRERO, MEXICO
	25	09	23	03.4%	39.161	N	27.542	E	5	G			0.4	5	TURKEY. MD 2.6 (ISK).
	25	09	50	39.5%	44.689	N	6.790	E	5	G			0.3	5	FRANCE. ML 2.1 (GEN).
	25	09	50	42.6%	42.228	N	25.203	E	10	G			1.2	6	BULGARIA
a	25	10	27	29.9&	55.307	N	157.561	W	33	N	5.0	4.4		211	ALASKA PENINSULA. <AEIC>. Mw 5.1 (HRV). ML 4.8 (AEIC), 4.7 (PMR).
	25	10	50	20.8?	4.84	S	145.06	E	40	?	3.6		1.0	6	NEAR N COAST OF NEW GUINEA, PNG.
	25	11	58	00.8&	60.404	N	152.995	W	128		3.1			58	SOUTHERN ALASKA. <AEIC>.
	25	12	12	10.2*	27.331	S	176.298	W	92	?	4.5		1.2	13	KERMADEC ISLANDS REGION
	25	12	16	11.7	36.189	N	29.310	E	63		4.0		1.1	33	TURKEY. MD 4.3 (ATH), 3.9 (ISK).
	25	12	23	11.1*	39.527	N	20.258	E	5	G			0.7	5	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH).
	25	12	26	45.0	39.563	N	20.193	E	10	G			1.1	6	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	25	12	43	30.0?	52.82	N	172.50	E	33	N	3.7		0.7	11	NEAR ISLANDS, ALEUTIAN ISLANDS
	25	12	58	05.9	46.870	N	150.516	E	187	*	4.4		0.8	58	KURIL ISLANDS
	25	14	15	58.7	34.852	N	135.301	E	35	*	4.4		1.2	56	NEAR S. COAST OF WESTERN HONSHU. Felt (IV JMA) at Kobe; (III JMA) at Kyoto and Osaka.
	25	14	41	24.9&	34.248	N	118.463	W	11					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS), 2.8 (GS). Felt in the San Fernando area.
	25	16	12	32.0%	33.150	S	70.308	W	10	G			0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
	25	16	31	38.5?	39.45	N	28.41	E	10	G			0.3	5	TURKEY. MD 2.7 (ISK).
	25	17	30	30.2*	32.355	S	69.861	W	120	G			0.6	10	MENDOZA PROVINCE, ARGENTINA
	25	17	45	43.4%	38.969	N	27.458	E	5	G			0.3	5	TURKEY. MD 2.8 (ISK).
	25	17	49	03.4*	14.316	S	169.385	W	33	N	5.0		1.2	25	SAMOA ISLANDS
	25	17	52	40.7*	27.150	S	176.581	W	162	?	4.2		1.0	20	KERMADEC ISLANDS REGION
	25	17	59	54.7*	31.266	S	69.668	W	140	G			0.5	12	SAN JUAN PROVINCE, ARGENTINA
	25	18	05	35.9*	25.281	S	179.198	W	428		4.8		1.1	31	SOUTH OF FIJI ISLANDS
	25	18	56	18.0*	45.882	N	13.819	E	10	G			1.3	5	NORTHERN ITALY. ML 2.2 (VIE). MD 2.1 (TRI), 2.1 (LJU). Felt (IV) at Miren, Slovenia.
a	25	19	00	34.0	26.975	S	176.548	W	52	*	5.2	5.7	1.1	89	SOUTH OF FIJI ISLANDS. Mw 5.7 (HRV). Ms 5.8 (BRK). Mo=7.2*10**17 Nm (PPT).
	25	19	14	23.0	44.498	N	7.426	E	14				0.2	9	NORTHERN ITALY. ML 2.1 (GEN).
	25	19	24	26.5*	28.779	N	51.352	E	33	N	4.3		0.9	14	SOUTHERN IRAN
	25	19	34	48.5?	14.40	S	173.68	W	33	N	4.9		0.1	5	SAMOA ISLANDS REGION
	25	19	40	48.5*	27.304	S	176.387	W	85	?	4.4		1.1	15	KERMADEC ISLANDS REGION
	25	20	10	46.9	11.989	N	87.816	W	33	N	4.7		1.0	54	NEAR COAST OF NICARAGUA
	25	20	13	10.0	37.873	N	4.049	W	10	G			1.1	17	SPAIN. mbLg 3.2 (MDD).
	25	21	26	32.5*	27.359	S	175.465	W	85	*	4.6		0.6	8	KERMADEC ISLANDS REGION
	25	22	26	53.4?	18.14	S	175.20	W	230	G	4.7		1.1	11	TONGA ISLANDS
	25	23	39	34.6	38.656	N	21.943	E	89	*			0.6	17	GREECE
	26	00	11	47.6?	28.61	N	34.48	E	10	G			0.1	4	EGYPT. MD 2.4 (RYD).
	26	00	30	00.0%	33.717	S	71.609	W	26	*			0.3	8	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	26	00	31	16.0&	50.480	N	130.240	W	10	G	3.1			27	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.4 (PGC).
a	26	01	12	48.6	5.969	S	154.467	E	81	?	5.1		1.0	37	SOLOMON ISLANDS. Mw 5.1 (HRV).
	26	02	12	24.8&	59.710	N	152.161	W	66					52	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	26	02	54	50.9&	60.307	N	152.350	W	97		2.4			77	SOUTHERN ALASKA. <AEIC>.
	26	03	35	03.0&	59.832	N	153.537	W	150					52	SOUTHERN ALASKA. <AEIC>.
	26	04	00	14.1*	6.441	S	150.796	E	56	?	4.7		0.8	17	NEW BRITAIN REGION, P.N.G.
	26	04	01	31.2?	39.45	N	28.42	E	10	G			0.1	5	TURKEY. MD 2.6 (ISK).
	26	04	04	23.4*	52.236	N	172.094	E	33	N	4.1		0.7	23	NEAR ISLANDS, ALEUTIAN ISLANDS
	26	04	24	51.4&	37.771	N	121.941	W	9					9	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). Felt in the San Ramon area.
a	26	05	16	50.6	26.961	S	176.538	W	47		5.1	5.2	1.2	55	SOUTH OF FIJI ISLANDS. Mw 5.5 (HRV). Ms 5.5 (BRK).
	26	05	36	48.1*	51.585	N	16.203	E	10	G	3.6		0.7	12	POLAND. ML 3.8 (GRF), 3.7 (MOX), 3.7 (VIE).
	26	06	02	52.5%	44.134	N	7.889	E	10	G			0.5	8	NORTHERN ITALY. ML 2.1 (GEN).
	26	06	33	31.3	13.153	N	143.689	E	146		4.3		0.5	39	SOUTH OF MARIANA ISLANDS
a	26	07	00	45.0	36.147	N	71.255	E	106	D	5.2		0.9	204	AFGHANISTAN-TAJIKISTAN BORD REG. Mw 5.2 (HRV).
	26	07	05	48.8%	44.435	N	7.314	E	5	G			0.3	9	NORTHERN ITALY. ML 1.9 (GEN).

	26	07	12	01.4?	2.94	S	138.85	E	36	?	4.7	0.3	7	IRIAN JAYA, INDONESIA
	26	07	49	53.4	44.514	N	7.480	E	10	G		0.6	18	NORTHERN ITALY. ML 2.6 (GEN), 2.3 (LDG).
	26	07	50	04.8?	17.60	S	179.07	W	681	*	4.4	1.0	16	FIJI ISLANDS REGION
	26	08	27	31.5&	39.137	N	27.651	E	10	G		0.6	5	TURKEY. MD 2.6 (ISK).
	26	08	28	30.7?	36.83	N	28.93	E	10	G		0.6	4	DODECANESE ISLANDS. MD 3.2 (ISK).
	26	08	47	19.2?	31.80	S	69.40	W	149	?		1.0	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
	26	10	25	57.7*	2.520	N	127.065	E	33	N	4.6	0.5	12	NORTHERN MOLUCCA SEA
	26	10	47	27.4?	10.31	N	86.80	W	33	N	3.6	1.0	9	OFF COAST OF COSTA RICA
	26	11	14	47.9&	39.294	N	28.102	E	5	G		0.5	5	TURKEY. MD 2.8 (ISK).
	26	11	15	00.8?	20.63	S	178.84	W	656	?	4.4	1.0	13	FIJI ISLANDS REGION
	26	11	36	51.8*	39.711	N	77.051	E	33	N	4.2	1.1	19	SOUTHERN XINJIANG, CHINA
	26	13	58	30.8?	40.39	N	28.00	E	10	G		1.2	4	TURKEY. MD 2.5 (ISK).
	26	14	51	33.6	37.172	N	9.594	E	10	G		1.1	34	TUNISIA. mbLg 4.3 (MDD).
	26	14	52	43.9?	13.59	N	93.03	W	33	N	4.4	0.5	6	OFF COAST OF CHIAPAS, MEXICO
	26	14	54	24.9	59.121	N	145.210	W	10	G	3.2	1.0	38	GULF OF ALASKA. ML 3.5 (AEIC).
	26	15	28	23.4*	7.028	N	72.769	W	33	N	4.2	1.0	16	NORTHERN COLOMBIA
	26	15	56	02.0?	50.07	N	19.69	E	10	G		0.9	6	POLAND
	26	16	25	29.3?	40.57	N	27.45	E	10	G		0.3	4	TURKEY. MD 3.0 (ISK).
	26	16	55	09.7	47.241	N	0.278	W	10	G		0.6	18	FRANCE. ML 3.4 (LDG). MD 3.0 (STR).
	26	17	27	42.3	41.313	N	22.679	E	5	G		0.4	7	NORTHWESTERN BALKAN REGION. ML 2.2 (THE), 1.8 (SKO).
	26	17	30	56.4&	43.927	N	7.514	E	5	G		0.5	5	NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN).
	26	18	06	42.7	41.268	N	22.576	E	10	G		0.7	7	NORTHWESTERN BALKAN REGION. ML 2.6 (THE), 2.1 (SKO).
	26	18	34	22.3?	37.08	N	28.94	E	10	G		0.5	4	TURKEY. MD 3.0 (ISK).
	26	19	02	04.5*	4.589	S	145.379	E	76	*	3.9	1.1	8	NEAR N COAST OF NEW GUINEA, PNG.
	26	19	15	33.2?	39.51	N	28.20	E	5	G		0.2	5	TURKEY. MD 2.6 (ISK).
	26	19	58	07.5&	58.413	N	154.381	W	79				62	ALASKA PENINSULA. <AEIC>.
	26	20	10	46.4*	39.520	N	19.769	E	5	G		1.5	16	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH). ML 3.0 (THE).
	26	20	20	36.7*	21.188	S	66.616	W	245	*	4.1	0.8	20	SOUTHERN BOLIVIA
	26	20	45	02.2*	24.050	S	66.945	W	180	*	4.4	1.0	11	SALTA PROVINCE, ARGENTINA
	26	21	01	13.2?	6.94	S	129.44	E	140	?	4.1	1.6	9	BANDA SEA
	26	23	01	50.1*	26.915	S	176.043	W	33	N	4.0	0.7	6	SOUTH OF FIJI ISLANDS
	26	23	17	13.5	14.039	N	93.198	W	55		4.6	1.1	51	NEAR COAST OF CHIAPAS, MEXICO. MD 4.9 (GCG).
	26	23	39	33.9&	43.918	N	120.962	W	9				20	OREGON. <SEA-P>. MD 2.6 (SEA).
	26	23	57	14.7*	14.484	N	93.006	W	67	*	4.9	1.4	28	NEAR COAST OF CHIAPAS, MEXICO
	27	00	52	06.1	36.969	N	99.001	E	10	G	4.3	0.8	25	QINGHAI, CHINA
a	27	01	07	03.9	14.410	N	92.911	W	65		4.9 4.9	1.1	135	NEAR COAST OF CHIAPAS, MEXICO. Mw 5.5 (HRV). Ms 4.6 (BRK). MD 5.2 (GCG).
	27	01	19	20.7?	13.62	N	93.25	W	33	N	4.4	1.5	10	OFF COAST OF CHIAPAS, MEXICO
	27	01	29	58.1	14.469	N	92.800	W	78	*	4.7	1.3	32	NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG).
	27	01	37	55.0?	14.51	N	92.84	W	76	*	4.3	1.4	17	NEAR COAST OF CHIAPAS, MEXICO
	27	02	31	48.0	43.688	N	147.432	E	33	N	4.6	0.9	63	KURIL ISLANDS
	27	03	18	06.1&	38.295	N	27.795	E	10	G		0.6	5	TURKEY. MD 2.9 (ISK).
	27	03	31	04.0*	7.291	S	128.954	E	136	?	4.1	0.2	6	BANDA SEA
	27	03	56	37.5*	31.618	S	69.940	W	130	G		0.5	10	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).
	27	04	12	05.7?	38.69	N	23.36	E	33	N		0.2	6	GREECE. ML 2.5 (THE).
	27	05	23	17.0&	63.056	N	150.991	W	130		2.9		92	CENTRAL ALASKA. <AEIC>.
	27	05	41	56.7	39.008	N	23.310	E	5	G	3.6	0.9	18	AEGEAN SEA. ML 3.6 (ATH), 3.4 (THE).
	27	05	50	11.0	17.341	S	69.322	W	174	D	4.7	1.1	68	PERU-BOLIVIA BORDER REGION. Felt (III) at Arica and Iquique, Chile.
	27	06	14	22.6?	40.54	N	27.82	E	10	G		0.2	4	TURKEY. MD 2.8 (ISK).
	27	06	15	26.9*	21.409	N	120.199	E	33	N	4.6	0.9	16	TAIWAN REGION
	27	07	07	54.0	33.702	S	70.951	W	75	?		0.2	11	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN). Felt (II) at Santiago, Chile.
	27	07	18	01.9&	40.270	N	23.454	E	5	G		0.5	5	GREECE. ML 1.7 (THE).
	27	08	07	30.0?	8.08	S	118.37	E	177	*	4.4	0.6	6	SUMBAWA REGION, INDONESIA
	27	08	41	42.5*	19.238	N	145.262	E	164	*	4.4	0.5	26	MARIANA ISLANDS
	27	09	14	10.6?	36.48	N	28.76	E	33	N		1.5	4	DODECANESE ISLANDS. MD 3.3 (ISK).
	27	09	21	46.2?	38.33	N	27.86	E	10	G		0.4	4	TURKEY. MD 2.9 (ISK).
	27	09	36	06.9&	40.579	N	23.427	E	5	G		0.6	7	GREECE. ML 1.9 (THE).
	27	09	36	58.3*	5.385	S	151.484	E	130	?	3.9	0.8	8	NEW BRITAIN REGION, P.N.G.
	27	09	49	44.5&	34.329	N	118.623	W	15				52	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.9 (GS). Felt.
	27	10	39	25.4*	13.878	N	93.390	W	33	N	4.3	1.3	14	OFF COAST OF CHIAPAS, MEXICO. MD 4.5 (GCG).
	27	11	05	03.2	43.206	N	146.533	E	44	D	4.7 4.2	0.9	113	KURIL ISLANDS
	27	13	11	19.3*	20.452	S	68.986	W	117	D	4.1	1.2	16	CHILE-BOLIVIA BORDER REGION
	27	13	45	43.3?	15.34	S	167.38	E	107	?	4.1	1.1	28	VANUATU ISLANDS
	27	14	04	26.1&	63.256	N	149.746	W	102		2.7		55	CENTRAL ALASKA. <AEIC>.
	27	14	10	35.6?	24.61	S	179.57	E	545	?	3.6	0.9	10	SOUTH OF FIJI ISLANDS
	27	14	24	23.6	51.752	N	176.096	W	69		4.9	0.9	135	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR). Felt (II) on Adak.
	27	14	41	25.5	25.414	N	142.629	E	33	N	4.9 4.7	0.9	65	VOLCANO ISLANDS REGION
	27	14	42	17.5*	39.463	N	19.901	E	33	N		1.0	6	GREECE-ALBANIA BORDER REGION
	27	15	50	18.7?	35.15	S	71.21	W	100	G		0.2	10	CENTRAL CHILE. MD 3.9 (SAN).
	27	16	03	28.1*	27.146	S	175.294	W	75	*	4.2	0.6	8	KERMADEC ISLANDS REGION
a	27	16	24	17.7*	27.261	S	176.562	W	103	?	4.8	1.2	23	KERMADEC ISLANDS REGION. Mw 5.3 (HRV).
a	27	16	24	48.3	14.248	N	91.720	W	56	D	5.1	1.0	209	GUATEMALA. Mw 5.5 (HRV). MD 5.3 (GCG), 5.3 (SSS). Felt (II) at San Salvador, El Salvador.
	27	16	58	26.6	81.358	N	3.701	W	10	G	3.9	1.3	18	NORTH OF SVALBARD
	27	17	20	05.3	28.977	N	81.475	E	33	N	4.2	1.1	20	NEPAL-INDIA BORDER REGION. ML 4.3 (DMN).
	27	18	00	58.3&	28.945	N	34.937	E	10	G		0.7	5	EGYPT. MD 2.3 (RYD).
a	27	18	34	50.6	2.303	S	138.843	E	39		5.8 5.0	1.1	134	IRIAN JAYA, INDONESIA. Mw 5.4 (HRV).
	27	18	36	06.9&	61.820	N	150.645	W	58				74	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC).
	27	18	57	45.1*	15.584	N	146.936	E	71	*	4.8	0.9	24	MARIANA ISLANDS
	27	19	05	32.5&	37.260	N	1.952	W	10	G		0.9	13	SPAIN. mbLg 2.9 (MDD).
	27	19	11	01.2&	59.395	N	152.966	W	100				51	SOUTHERN ALASKA. <AEIC>.
	27	19	14	31.5?	18.98	S	123.21	E	10	G		1.4	4	WESTERN AUSTRALIA
	27	19	22	24.4	44.110	N	7.222	E	5	G		0.6	15	NORTHERN ITALY. ML 1.9 (GEN), 1.8 (LDG).
	27	19	27	05.9*	24.089	N	94.335	E	52	*	4.2	1.3	20	MYANMAR-INDIA BORDER REGION
	27	19	49	31.3&	44.896	N	6.360	E	5	G		0.6	11	FRANCE. ML 2.2 (GEN).
	27	19	50	15.3	39.881	N	143.504	E	10	G	5.0	0.5	19	OFF EAST COAST OF HONSHU, JAPAN
	27	20	06	39.8&	59.114	N	151.808	W	56				90	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.6 (AEIC), 3.7 (PMR).

a	27	20	16	52.1	4.434	S	134.476	E	22	G	6.2	6.8	1.2	196	IRIAN JAYA REGION, INDONESIA. Mw 6.7 (GS), 6.8 (HRV). Ms 6.7 (BRK). Mo=5.3*10**19 Nm (PPT). Depth from broadband displacement seismograms.
	27	20	48	03.8%	37.019	N	29.022	E	5	G			0.5	5	TURKEY. MD 3.1 (ISK).
	27	21	07	55.9	28.070	N	56.810	E	42	*	4.6		1.0	52	SOUTHERN IRAN
	27	21	08	03.2*	1.941	S	139.184	E	33	N	5.1		0.8	12	NEAR NORTH COAST OF IRIAN JAYA
	27	21	40	01.5	4.679	S	134.290	E	33	N	5.2		1.1	49	IRIAN JAYA REGION, INDONESIA
	27	21	43	40.6&	36.807	N	121.534	W	8					56	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.1 (BRK), 3.1 (GS).
	27	21	49	40.4	2.267	S	138.920	E	33	N	4.7		0.6	15	IRIAN JAYA, INDONESIA
	27	21	53	28.2&	36.623	N	121.227	W	6					66	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.2 (BRK), 3.1 (GS).
	27	21	55	23.9&	36.622	N	121.226	W	6					36	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK), 2.8 (GS).
	27	22	09	46.9?	4.72	S	134.32	E	33	N	4.9		1.1	12	IRIAN JAYA REGION, INDONESIA
	27	22	33	58.3*	4.941	S	133.868	E	33	N	4.9		0.5	12	IRIAN JAYA REGION, INDONESIA
	27	22	40	32.1*	4.133	S	134.929	E	33	N	4.9		0.9	15	IRIAN JAYA REGION, INDONESIA
	27	23	04	07.5	28.163	N	56.762	E	57	*	4.3		1.3	33	SOUTHERN IRAN
	27	23	17	59.5	4.858	S	133.977	E	33	N	4.7		0.6	17	IRIAN JAYA REGION, INDONESIA
	27	23	53	30.8%	36.045	N	1.075	W	33	N			0.9	10	WESTERN MEDITERRANEAN SEA. mbLg 3.5 (MDD).
	28	00	21	46.3%	44.540	N	6.799	E	13	*			0.4	7	FRANCE. ML 2.0 (GEN).
	28	00	38	38.9	43.501	N	110.370	W	5	G	3.0		0.9	21	WYOMING. ML 3.5 (GS), 3.8 (BUT).
	28	01	28	12.2?	46.14	N	14.83	E	10	G			0.6	4	NORTHWESTERN BALKAN REGION. MD 2.4 (LJU).
	28	02	27	48.4?	50.35	N	19.04	E	10	G			0.7	5	POLAND. ML 2.8 (CLL).
	28	03	08	49.2	38.822	N	20.594	E	5	G			1.5	21	GREECE. MD 3.7 (ATH). ML 3.5 (THE), 3.4 (TIR).
	28	03	15	36.7?	28.26	S	177.74	W	135	*	4.0		1.5	9	KERMADEC ISLANDS REGION
	28	03	49	29.6&	59.140	N	151.761	W	58					33	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC).
	28	04	23	16.1*	38.093	N	22.783	E	5	G			1.0	5	GREECE. MD 3.1 (ATH).
	28	05	54	58.1*	36.370	N	26.872	E	113	?			0.5	8	DODECANESE ISLANDS
	28	06	26	21.7	44.499	N	114.783	W	5	G	4.3		0.9	110	WESTERN IDAHO. ML 4.6 (GS). MD 4.7 (BUT). Felt (III) at Challis, Lowman, May and Yellow Pine; (II) at Boise and Hailey. Also felt at Clayton, Salmon and Stanley.
	28	06	45	34.5&	60.875	N	158.340	W	10	G	3.1			27	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
	28	06	54	04.8?	19.44	N	64.05	W	33	N	3.5		0.3	6	VIRGIN ISLANDS
	28	06	58	07.6	44.385	N	6.194	E	5	G			1.0	12	FRANCE. ML 2.0 (GEN), 2.0 (LDG).
	28	07	31	50.9*	37.347	S	73.042	W	33	N	4.4		0.8	18	NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN). Felt (V) at Concepcion and (IV) at Talcahuano.
	28	07	31	58.1	45.547	N	25.101	E	25	*	3.8		1.2	10	ROMANIA. Felt (IV) in the Fagaras area.
	28	08	32	25.8*	43.994	N	146.963	E	33	N	4.3		0.7	14	KURIL ISLANDS
	28	08	48	36.0*	38.060	N	24.852	W	10	G	3.9		0.8	11	AZORES ISLANDS REGION
	28	09	29	10.3?	6.02	N	127.02	E	33	N	3.9		1.0	10	PHILIPPINE ISLANDS REGION
	28	09	37	43.1*	29.440	S	177.786	W	66	*	5.0		1.2	19	KERMADEC ISLANDS, NEW ZEALAND. Felt (III) on Raoul Island.
a	28	10	12	34.5	47.661	N	151.944	E	33	N	4.9	4.6	0.9	116	KURIL ISLANDS. Mw 5.1 (HRV).
	28	10	12	41.3*	38.742	N	20.439	E	5	G			0.6	5	GREECE. MD 3.3 (ATH).
	28	10	32	28.4?	38.65	N	20.42	E	5	G			1.5	7	GREECE. ML 3.0 (THE).
a	28	10	37	29.9	43.977	N	148.139	E	54	D	5.1		1.0	200	EAST OF KURIL ISLANDS. Mw 5.6 (HRV).
	28	10	39	05.1	38.805	N	20.347	E	5	G	4.0		1.0	31	GREECE. ML 3.9 (TIR), 3.8 (ATH), 3.6 (TTG), 3.5 (THE).
	28	11	03	02.7	44.046	N	148.035	E	33	N	4.6		0.9	37	KURIL ISLANDS
	28	11	41	21.7*	67.682	N	34.695	E	5	G			1.3	7	BALTICS-BELARUS-NW RUSSIA REG. ML 2.7 (NAO).
	28	12	18	05.7	5.521	N	73.617	W	33	N	4.7		0.9	67	COLOMBIA. Felt at San Miguel de Sema.
	28	13	10	29.8*	37.497	N	21.742	E	5	G			1.3	7	SOUTHERN GREECE. ML 3.3 (ATH).
	28	13	21	51.4	13.934	S	169.167	W	33	N	4.2		1.0	12	SAMOA ISLANDS
	28	13	23	46.2	45.658	N	14.201	E	10	G			1.1	12	NORTHWESTERN BALKAN REGION. MD 2.9 (LJU), 2.6 (TRI). ML 2.4 (VIE). Felt (IV) at Postojna, Slovenia.
	28	13	32	11.9*	43.060	N	6.639	W	10	G			1.2	6	SPAIN. mbLg 3.4 (MDD). Felt (II) in the Cangas de Narcea area.
	28	13	46	26.9?	39.28	N	26.83	E	10	G			0.2	4	TURKEY. MD 2.8 (ISK).
	28	14	18	02.7	41.851	N	23.209	E	10	G			1.4	20	GREECE-BULGARIA BORDER REGION. ML 3.0 (THE).
	28	14	22	52.9	4.649	S	134.001	E	47	*	5.1	4.9	0.7	18	IRIAN JAYA REGION, INDONESIA
	28	16	32	44.1*	44.949	N	141.983	E	212	?	4.3		1.2	19	HOKKAIDO, JAPAN REGION
	28	16	56	39.0?	39.08	N	20.13	E	5	G			1.0	6	GREECE-ALBANIA BORDER REGION
	28	17	02	08.7*	37.680	N	20.861	E	5	G			1.4	11	IONIAN SEA. MD 3.2 (ATH). ML 3.0 (THE).
	28	18	01	19.9	51.510	N	6.700	E	10	G			0.9	7	GERMANY. ML 2.5 (DBN), 2.0 (BNS). Probably mining induced.
	28	18	09	42.7*	4.724	S	133.978	E	45	?	4.6		1.3	17	IRIAN JAYA REGION, INDONESIA
	28	18	20	22.8%	42.749	N	18.986	E	10	G			1.0	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
	28	19	07	35.7%	40.817	N	27.976	E	5	G			0.5	6	TURKEY. MD 2.6 (ISK).
	28	19	52	37.6%	44.362	N	7.431	E	5	G			0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
	28	21	04	18.5	4.924	S	134.439	E	33	N	4.5	4.8	1.0	12	IRIAN JAYA REGION, INDONESIA
	28	21	04	26.0?	40.15	N	27.89	E	10	G			0.4	4	TURKEY. MD 2.5 (ISK).
	28	21	35	34.0	14.034	N	91.961	W	61		4.5		1.1	60	GUATEMALA. MD 4.8 (GCG).
	28	21	52	59.1?	6.92	S	118.72	E	150	?	4.6		0.8	6	FLORES SEA
	28	22	56	08.8?	37.01	N	28.88	E	10	G			0.6	4	TURKEY. MD 3.2 (ISK).
	28	23	15	45.5*	36.890	N	28.803	E	10	G	3.3		0.4	5	DODECANESE ISLANDS. MD 3.0 (ISK).
	28	23	21	20.5?	36.98	N	11.08	W	33	N			0.9	13	NORTH ATLANTIC OCEAN. mbLg 3.8 (MDD).
	28	23	57	42.9*	18.766	S	169.035	E	232	*	4.6		1.2	39	VANUATU ISLANDS
	29	00	30	55.2	24.128	N	125.939	E	26	D	4.5		0.6	27	SOUTHWESTERN RYUKYU ISLANDS
a	29	01	20	10.8	36.920	N	71.635	E	109	D	5.2		1.0	233	AFGHANISTAN-TAJIKISTAN BORD REG. Mw 5.3 (HRV). Felt at Chitral, Pakistan.
	29	01	57	14.9%	40.803	N	23.039	E	5	G			0.3	5	GREECE. ML 1.5 (THE).
	29	02	01	54.4*	13.699	S	169.389	W	33	N	4.6		0.8	27	SAMOA ISLANDS
	29	02	36	45.8*	7.303	S	129.404	E	33	N	3.9		1.0	5	BANDA SEA
	29	02	44	50.7	38.248	N	25.888	E	10	G			0.5	6	AEGEAN SEA. ML 3.4 (ATH). MD 3.0 (ISK).
	29	02	45	57.7?	38.03	N	26.95	E	10	G			0.7	4	AEGEAN SEA
a	29	03	11	22.6&	47.388	N	122.365	W	17		5.1	4.5		317	WASHINGTON. <SEA-P>. Mw 5.1 (HRV). MD 5.0 (SEA). ML 4.9 (PGC). Slight damage at Auburn and Tacoma. Felt (V) at Duvall, Gig Harbor, Issaquah, Kent, Kirkland, Marysville, Milton, Seahurst, Seattle and Snoqualmie; (IV) at Bellevue, Bothell, Buckley, Carnation, Chelan, Edmonds, Keyport, Lynnwood, Maple Valley, Port Orchard, Selah, Snohomish, Sumner and Tracyton. Felt from Vancouver, British Columbia to Salem, Oregon and as far

														east as Grand Coulee and Yakima, Washington.
	29	03	37	22.5?	14.06	N	89.94	W	63	?	4.1	0.9	10	GUATEMALA. MD 4.2 (GCG).
	29	03	56	43.7	45.016	N	100.098	E	33	N	4.6	0.7	32	MONGOLIA
a	29	04	16	56.9	39.830	N	40.657	E	31		4.9 4.8	1.2	99	TURKEY. Mw 5.2 (HRV). MD 4.8 (ISK). Fifty-eight houses damaged in the Askale area. Felt in the Pulumur and Tercan areas.
a	29	04	53	37.7	29.278	N	141.150	E	67	D	5.6	0.9	305	SOUTH OF HONSHU, JAPAN. Mw 5.6 (HRV).
	29	05	01	35.0&	39.692	N	24.206	E	10	G		0.3	9	AEGEAN SEA. ML 2.6 (THE).
	29	05	10	25.5?	35.98	N	30.33	E	10	G		0.3	4	EASTERN MEDITERRANEAN SEA. MD 3.3 (ISK).
	29	05	23	17.5&	36.579	N	121.029	W	10				39	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
	29	05	24	40.1?	18.07	N	67.97	W	10	G		0.3	6	MONA PASSAGE
	29	05	51	25.2&	36.580	N	121.028	W	10				16	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM).
	29	06	27	06.5?	39.61	N	28.05	E	10	G		0.9	4	TURKEY. MD 3.0 (ISK).
	29	06	42	42.0?	40.13	N	40.66	E	10	G		0.9	4	TURKEY. MD 4.1 (ISK).
	29	07	19	43.6?	33.97	S	72.15	W	10	G		0.4	7	OFF COAST OF CENTRAL CHILE
	29	08	19	29.3	40.449	N	21.829	E	10	G		0.5	7	GREECE. ML 1.9 (THE).
	29	08	28	11.2	39.571	N	23.503	E	10	G		0.5	10	AEGEAN SEA. ML 2.5 (THE).
	29	08	43	42.4?	39.13	N	27.61	E	10	G		0.7	4	TURKEY. MD 2.8 (ISK).
	29	09	10	04.6&	33.138	S	71.328	W	62	?		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.3 (SAN).
	29	09	11	15.6?	36.86	N	28.83	E	5	G		1.2	4	DODECANESE ISLANDS. MD 3.2 (ISK).
	29	09	39	44.9&	59.891	N	152.853	W	102				42	SOUTHERN ALASKA. <AEIC>.
	29	10	09	29.1*	39.559	N	19.864	E	10	G		1.5	14	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH). ML 3.0 (THE).
	29	10	47	58.0?	41.15	N	28.62	E	10	G		1.3	4	TURKEY. MD 2.8 (ISK).
	29	11	12	12.4?	11.23	N	61.99	W	89	?		0.3	11	WINDWARD ISLANDS. MD 3.6 (TRN).
	29	12	05	55.8?	43.00	N	18.08	E	10	G		0.8	9	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
	29	12	21	35.3*	14.995	N	94.079	W	42	*	4.4 4.1	1.1	40	OFF COAST OF CHIAPAS, MEXICO
	29	13	37	05.4?	40.11	N	40.65	E	10	G		0.5	4	TURKEY. MD 4.0 (ISK).
	29	13	52	46.4*	49.983	N	178.678	W	33	N	4.2	1.2	23	SOUTH OF ALEUTIAN ISLANDS
	29	14	38	41.8*	38.623	N	26.701	E	10	G		0.6	6	AEGEAN SEA. MD 3.3 (ISK), 3.1 (ATH).
	29	14	57	10.7*	17.684	S	71.769	W	10	G	4.2	0.5	7	NEAR COAST OF PERU. Felt (IV) at Ilo and Moquegua; (III) at Arequipa.
	29	14	57	21.2	21.133	N	144.585	E	172	*	4.7	0.8	64	MARIANA ISLANDS REGION
	29	16	00	56.9?	11.15	N	61.79	W	33	N		0.9	4	WINDWARD ISLANDS. MD 3.2 (TRN).
	29	16	02	31.5&	31.849	N	117.198	W	12		3.8 4.0		59	OFF W. COAST OF BAJA CALIFORNIA. <ECX-P>. MD 4.7 (ECX). ML 4.4 (GS). Felt at Ensenada.
	29	16	22	50.7	33.978	S	70.203	W	18	*		0.4	12	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
	29	16	35	52.1?	27.39	S	176.71	W	60	?	4.0	0.5	8	KERMADEC ISLANDS REGION
	29	16	56	10.3*	27.536	S	176.935	W	111	*	4.6	0.7	15	KERMADEC ISLANDS REGION
	29	17	35	53.1&	60.125	N	152.685	W	98				38	SOUTHERN ALASKA. <AEIC>.
	29	17	43	14.6	33.497	N	5.311	W	10	G	3.2	1.0	17	MOROCCO. mbLg 3.7 (MDD). MD 3.5 (SFS).
	29	17	55	05.0*	9.159	S	123.937	E	33	N	5.0	0.8	16	TIMOR REGION, INDONESIA
	29	18	07	33.6&	36.993	N	2.234	W	10	G		1.0	13	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	29	18	08	08.7	27.925	N	57.460	E	58	*	4.4	1.2	25	SOUTHERN IRAN
	29	18	10	04.5	36.993	N	2.204	W	10	G		0.9	13	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD). Felt (II) in the Nijar area, Spain.
	29	18	14	28.2&	36.961	N	2.164	W	10	G		0.4	7	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
	29	18	18	39.3	48.053	N	114.505	W	5	G		0.1	9	MONTANA. ML 3.2 (BUT), 2.8 (PGC). Felt and heard at Kila and in the Smith Lake area west of Kalispell.
	29	18	57	24.5?	12.72	S	118.52	E	33	N	4.1	1.0	5	SOUTH OF SUMBAWA, INDONESIA
	29	20	00	42.9	43.326	N	146.948	E	33	N	4.7	0.9	45	KURIL ISLANDS
	29	20	52	21.7	26.550	N	86.052	E	33	N		0.6	11	NEPAL-INDIA BORDER REGION
	29	21	36	20.2	38.840	N	20.594	E	5	G		1.2	15	GREECE. MD 3.2 (ATH). ML 3.1 (THE).
	29	22	51	36.7*	15.032	S	71.491	W	143		4.4	1.1	25	SOUTHERN PERU. Felt (II) at Arequipa.
	29	23	45	43.1&	60.153	N	147.301	W	17				50	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
	30	00	39	03.5&	18.215	N	66.967	W	33	N		0.6	7	PUERTO RICO REGION
	30	00	49	05.3*	24.905	N	122.811	E	33	N	4.4	0.7	13	TAIWAN REGION
	30	00	54	47.8?	17.07	N	100.07	W	33	N		0.7	6	GUERRERO, MEXICO
	30	01	37	25.4?	11.72	S	112.76	E	33	N	4.3	1.0	5	SOUTH OF JAWA, INDONESIA
	30	01	40	51.2&	33.836	S	71.198	W	52	?		0.3	8	NEAR COAST OF CENTRAL CHILE
	30	01	52	40.6&	37.539	N	118.846	W	9				41	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK), 3.0 (GS).
	30	02	10	22.1?	9.11	S	129.44	E	226	?	4.3	0.1	5	TIMOR SEA
	30	02	37	21.5?	40.75	N	27.99	E	10	G		0.8	4	TURKEY. MD 2.7 (ISK).
	30	02	46	32.5	15.114	N	61.261	W	150	*		0.5	23	LEEWARD ISLANDS. MD 3.8 (TRN).
	30	03	06	56.7	29.286	N	82.217	E	52		4.1	0.6	27	NEPAL
	30	03	20	18.4?	18.74	N	66.80	W	10	G		0.3	6	PUERTO RICO REGION
	30	03	26	15.9	0.348	S	129.445	E	19		5.1	1.0	42	HALMAHERA, INDONESIA
	30	03	37	24.9	3.362	S	149.326	E	27	*	4.6	1.2	17	BISMARCK SEA
	30	03	44	26.9?	2.93	S	149.12	E	33	N	3.8	1.3	7	NEW IRELAND REGION, P.N.G.
	30	03	46	29.1	40.585	N	23.431	E	5	G		0.7	10	GREECE. ML 2.2 (THE).
	30	03	54	13.3*	28.793	S	67.003	W	171	?		1.3	18	LA RIOJA PROVINCE, ARGENTINA. MD 4.3 (SAN).
	30	05	11	21.8?	6.61	S	148.04	E	98	*	4.1	1.3	7	NEW BRITAIN REGION, P.N.G.
	30	06	30	49.7	34.840	N	4.116	W	10	G		1.1	7	MOROCCO. MD 3.1 (RBA).
	30	08	08	50.4?	40.27	N	21.81	E	10	G		0.7	4	GREECE. ML 2.3 (THE).
	30	08	19	03.4?	39.24	N	26.81	E	5	G		0.5	4	TURKEY. MD 2.7 (ISK).
	30	09	10	54.9?	36.87	N	28.84	E	10	G		0.3	4	DODECANESE ISLANDS. MD 3.1 (ISK).
	30	10	36	06.3&	28.773	N	34.773	E	10	G		0.5	5	EGYPT
	30	10	36	54.9?	39.06	N	27.92	E	5	G		0.1	4	TURKEY. MD 2.8 (ISK).
	30	10	51	56.7?	3.38	S	152.99	E	10	G	4.6	0.7	5	NEW IRELAND REGION, P.N.G.
	30	13	00	06.4&	33.854	N	118.250	W	9				28	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.3 (PAS). Felt in the Compton area.
	30	13	44	59.6*	61.326	N	4.356	E	10	G		1.1	11	SOUTHERN NORWAY. MD 2.5 (BER).
	30	13	56	46.9*	28.349	N	82.457	E	81	*	4.0	1.1	13	NEPAL
	30	14	08	46.8&	33.285	S	70.632	W	81	?		0.2	10	CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
	30	14	50	52.7*	1.257	N	126.271	E	33	N	4.7	0.6	10	NORTHERN MOLUCCA SEA
	30	14	59	55.9?	36.55	N	28.77	E	10	G		0.0	5	DODECANESE ISLANDS. MD 3.2 (ISK).
	30	15	03	22.7?	6.70	S	130.04	E	143	?	3.9	1.7	5	BANDA SEA
	30	15	23	01.6*	38.747	N	20.911	E	33	N		1.4	11	GREECE. MD 3.3 (ATH). ML 3.1 (THE).
	30	15	50	36.7&	45.045	N	7.312	E	10	G		0.8	5	NORTHERN ITALY. ML 1.9 (GEN).
	30	16	28	06.3	6.840	N	72.944	W	167		4.3	0.9	51	NORTHERN COLOMBIA. Felt at Chiquinquira.
	30	17	19	14.1&	40.180	N	23.980	E	5	G		0.6	8	GREECE. ML 2.4 (THE).
	30	17	39	48.7?	36.43	N	29.80	E	33	N		1.3	6	TURKEY. MD 3.5 (ISK).

	30	17	42	10.8*	36.002	N	30.048	E	33	N		1.2	8	TURKEY. MD 3.7 (ISK).
	30	18	27	03.2	39.330	N	21.507	E	42		4.3	1.2	104	GREECE. MD 3.9 (ATH).
	30	18	41	21.1	51.242	N	178.754	E	33	N	4.5	1.1	31	RAT ISLANDS, ALEUTIAN ISLANDS
	30	19	16	49.6	39.266	N	21.543	E	10	G		1.4	15	GREECE. MD 3.2 (ATH). ML 3.0 (THE).
	30	19	19	19.1	43.935	N	147.863	E	10	G	4.6	0.9	58	KURIL ISLANDS
	30	19	31	07.4?	15.44	S	173.14	W	10	G	4.2	0.9	12	TONGA ISLANDS
	30	19	37	25.3?	28.78	N	34.71	E	10	G		0.6	4	EGYPT. MD 2.0 (RYD).
	30	20	28	05.3&	62.948	N	150.893	W	114		3.0		87	CENTRAL ALASKA. <AEIC>.
	30	20	39	02.9%	37.060	N	28.998	E	10	G		1.1	6	TURKEY. MD 3.5 (ISK).
	30	20	42	59.2&	36.283	N	120.461	W	10				19	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM). ML 2.8 (PAS), 2.7 (GS).
	30	21	17	20.7?	35.88	N	9.96	E	10	G	4.3 3.9	0.8	13	TUNISIA
	30	21	42	39.0*	31.845	N	139.835	E	145	*	4.1	0.8	19	SOUTH OF HONSHU, JAPAN
	30	22	02	12.1	18.620	N	93.767	E	33	N	5.0	0.8	28	MYANMAR
	30	22	11	57.5&	60.126	N	151.891	W	64				49	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
	30	22	36	31.5	36.315	N	71.446	E	77	*	4.9	1.2	48	AFGHANISTAN-TAJIKISTAN BORD REG.
	30	22	53	24.7	39.389	N	21.611	E	10	G	3.7	0.9	26	GREECE. ML 3.5 (ATH), 3.2 (THE).
	30	23	09	11.7&	33.863	N	118.687	W	13				39	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 3.0 (GS).
	30	23	29	46.3*	32.863	S	71.582	W	8			0.9	13	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN). Felt at Valparaiso and Vina del Mar.
	31	00	25	08.6	38.855	N	20.414	E	33	N		1.1	30	GREECE. ML 3.5 (THE), 3.5 (TTG), 3.3 (TIR). MD 3.5 (ATH).
	31	01	12	13.1	38.775	N	20.550	E	5	G		1.0	14	GREECE. MD 3.2 (ATH). ML 3.0 (THE).
	31	01	15	16.0?	36.94	N	28.83	E	10	G		0.4	4	DODECANESE ISLANDS. MD 3.1 (ISK).
	31	01	17	33.4?	38.73	N	20.53	E	10	G		1.1	4	GREECE
	31	01	27	54.3*	32.436	S	71.672	W	39	*	4.3	0.8	23	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN). Felt (III) at Papudo and Valparaiso.
	31	01	45	38.8*	32.631	S	71.573	W	10	G		0.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN). Felt (III) at Papudo and Valparaiso.
	31	01	51	16.6?	17.57	S	69.42	W	181	*	4.2	1.0	14	PERU-BOLIVIA BORDER REGION
	31	02	01	57.8*	32.540	S	71.660	W	5	G		0.7	13	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN). Felt (III) at Papudo and Valparaiso.
	31	02	02	46.5	38.777	N	20.574	E	5	G		1.3	20	GREECE. ML 3.5 (ATH), 3.3 (THE).
	31	02	37	24.7	70.707	N	6.157	W	10	G		0.5	6	JAN MAYEN ISLAND REGION
	31	02	38	20.6	38.797	N	20.488	E	5	G	4.1	1.3	32	GREECE. ML 3.8 (ATH), 3.6 (TTG), 3.6 (THE).
	31	02	50	21.6	38.837	N	20.567	E	5	G		1.4	24	GREECE. ML 3.6 (ATH), 3.5 (THE).
	31	02	55	35.4	38.835	N	20.587	E	5	G	4.1	1.3	21	GREECE. ML 3.6 (ATH), 3.4 (THE).
	31	02	59	17.2*	45.231	N	151.846	E	33	N	4.2	0.9	19	KURIL ISLANDS
	31	03	15	21.2?	38.20	N	72.27	E	33	N	4.1	1.2	5	TAJIKISTAN
	31	03	37	21.9?	38.58	N	20.36	E	5	G		0.7	7	GREECE
	31	03	38	09.6	38.830	N	20.572	E	5	G	4.0	1.1	46	GREECE. ML 3.9 (ATH), 3.9 (TIR), 3.9 (TTG), 3.8 (ROM), 3.7 (THE).
	31	03	55	54.5	38.787	N	20.579	E	5	G		1.2	13	GREECE. MD 3.0 (ATH). ML 2.8 (THE).
	31	04	01	43.5	38.766	N	20.494	E	5	G		0.9	7	GREECE. ML 3.6 (ATH).
	31	04	15	20.9	40.962	N	141.976	E	95	*	4.3	0.7	28	NEAR EAST COAST OF HONSHU, JAPAN
	31	04	39	42.3&	60.147	N	153.683	W	159				39	SOUTHERN ALASKA. <AEIC>.
	31	05	06	11.1	1.431	S	119.568	E	33	N	4.9	0.7	10	SULAWESI, INDONESIA
	31	05	55	51.5	15.296	N	91.746	W	161	D	4.6	1.1	76	MEXICO-GUATEMALA BORDER REGION
	31	06	17	49.7?	18.80	N	65.21	W	10	G		0.5	6	PUERTO RICO REGION
a	31	06	40	26.8	1.293	S	127.546	E	33	N	5.4	1.1	81	HALMAHERA, INDONESIA. Mw 5.2 (HRV).
	31	08	59	05.1?	39.14	N	27.49	E	5	G		0.0	4	TURKEY. MD 2.8 (ISK).
	31	09	18	24.5%	44.430	N	7.252	E	10	G		0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
	31	09	50	54.1&	64.700	N	147.376	W	12				42	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.4 (PMR). Felt (III) at Eielson Air Force Base. Also felt at Fairbanks and North Pole.
	31	09	55	08.5?	39.13	N	27.53	E	10	G		0.0	4	TURKEY. MD 2.7 (ISK).
	31	10	08	10.9%	37.201	N	3.697	W	10	G		1.0	5	SPAIN. mbLg 2.4 (MDD).
	31	10	12	57.1	38.736	N	20.692	E	5	G		1.0	13	GREECE. MD 3.5 (ATH). ML 3.2 (THE).
	31	10	14	07.3?	31.72	S	71.57	W	10	G		0.6	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	31	10	23	23.4	40.484	N	23.602	E	5	G		0.6	16	GREECE. MD 3.3 (ATH). ML 3.2 (THE).
	31	10	27	05.1%	40.474	N	23.603	E	5	G		0.4	8	GREECE. ML 2.4 (THE).
	31	10	41	17.8&	63.864	N	147.374	W	6				50	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.0 (PMR).
	31	10	54	11.3*	4.897	S	132.237	E	33	N	5.2	0.7	18	IRIAN JAYA REGION, INDONESIA
	31	11	33	33.9?	31.85	S	71.63	W	10	G		0.5	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	31	11	33	52.1*	27.739	N	105.114	W	10	G	3.5	1.0	5	NORTHERN MEXICO. mbLg 3.5 (GS). Felt in the Hidalgo del Parral area.
	31	11	38	56.2?	44.39	N	7.40	E	10	G		0.0	4	NORTHERN ITALY. ML 1.8 (GEN).
	31	12	23	15.3	43.929	N	147.266	E	33	N	4.4	1.0	31	KURIL ISLANDS
	31	12	41	29.0	44.858	N	7.599	E	30	*		0.7	18	NORTHERN ITALY. ML 2.7 (GEN), 2.4 (LDG).
	31	12	41	45.0?	32.39	S	71.85	W	10	G		0.6	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	31	12	43	42.7*	72.538	N	132.135	E	33	N	4.3	1.1	20	LAPTEV SEA
	31	13	33	21.6	42.425	N	24.116	E	10	G		0.8	11	BULGARIA. ML 3.1 (THE).
	31	13	38	20.3	38.760	N	20.632	E	5	G		1.5	6	GREECE. MD 3.0 (ATH).
	31	14	47	39.9*	38.520	N	23.832	E	33	N		1.3	11	GREECE. MD 3.0 (ATH). ML 2.9 (THE).
	31	15	04	11.4?	17.80	N	146.07	E	225	*	3.7	0.3	12	MARIANA ISLANDS
	31	15	31	06.8*	6.826	S	130.000	E	184	?	4.9	1.0	8	BANDA SEA
	31	15	40	37.3*	35.837	N	0.221	W	10	G		0.9	20	NORTHERN ALGERIA. mbLg 3.6 (MDD).
	31	17	13	05.1?	9.19	S	127.95	E	103	?	3.8	1.4	8	TIMOR SEA
	31	17	34	42.3?	36.90	N	28.89	E	10	G		0.7	4	DODECANESE ISLANDS. MD 3.2 (ISK).
	31	18	04	05.0%	33.254	S	70.373	W	5	G		0.9	6	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
	31	18	29	47.7*	33.181	S	70.981	W	75	?		0.3	11	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
	31	18	30	32.2*	2.424	N	84.422	W	33	N	4.2	1.4	21	OFF COAST OF CENTRAL AMERICA
	31	18	42	20.8?	37.65	N	21.56	E	10	G		0.4	4	SOUTHERN GREECE. MD 2.7 (ATH).
	31	19	18	55.9	38.946	N	21.704	E	10	G		1.0	16	GREECE. MD 3.1 (ATH). ML 3.0 (THE).
	31	19	31	33.8&	33.455	N	116.579	W	6				31	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS), 2.7 (GS).
	31	21	00	55.8%	40.829	N	28.702	E	10	G		0.4	8	TURKEY. MD 1.7 (ISK).
	31	21	01	31.5	36.902	N	29.045	E	5	G		1.1	9	TURKEY. MD 3.9 (ATH), 3.7 (ISK).
	31	21	16	59.6%	10.472	N	62.260	W	5	G		0.7	8	NEAR COAST OF VENEZUELA. MD 4.0 (TRN).
	31	21	46	52.2	38.966	N	21.734	E	5	G		0.6	15	GREECE. MD 3.0 (ATH). ML 2.9 (THE).
	31	21	48	56.6%	45.479	N	27.182	E	33	N		1.3	6	ROMANIA
	31	22	01	08.2?	53.62	N	169.64	E	33	N	4.3	1.2	9	KOMANDORSKY ISLANDS REGION
	31	22	53	21.9%	36.808	N	28.825	E	10	G		0.5	5	DODECANESE ISLANDS. MD 3.2 (ISK).
	31	23	39	30.7?	36.90	N	28.81	E	10	G		1.0	4	DODECANESE ISLANDS. MD 3.3 (ISK).

31 23 51 20.0& 49.080 N 122.710 W 4 4 BRITISH COLUMBIA, CANADA. <PGC-P>. ML 2.6 (PGC). Felt at Aldergrove, Cloverdale, Langley, Surrey and White Rock.

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 06 59 55.95 40.701N 143.549E 15km
5.8mb (125 obs.) 6.2Msz (55 obs.)
OFF EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 24 Dip=86 Slip= 90
NP2: 204 4 90
Principal Axes:
T Plg=49 Azm=294
P 41 114
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 12 Focal mech. F
Energy 4.2±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 8 No. of sta: 47
Principal Axes:
Scale 10**18 Nm
T Val= 6.24 Plg=51 Azm=288
N -0.06 5 24
P -6.17 38 118
Best Double Couple:Mo=6.2*10**18
NP1:Strike=240 Dip= 8 Slip= 126
NP2: 24 83 85
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 68S,168C M.W.: 41S, 50C
Centroid Location:
Origin Time 07:00: 1.7 0.1
Lat 40.73N 0.01 Lon 143.65E 0.01
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 5.28 Plg=53 Azm=298
N -0.02 3 204
P -5.26 37 111
Best Double Couple:Mo=5.3*10**18
NP1:Strike=181 Dip= 8 Slip= 67
NP2: 24 82 93

01 12 30 05.30 40.049N 142.686E 42km
5.2mb (78 obs.) 4.6Msz (7 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 14S, 20C
Centroid Location:
Origin Time 12:30: 7.9 1.4
Lat 40.06N FIX;Lon 142.67E FIX
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.27 Plg=53 Azm=342
N 0.57 12 235
P -6.84 34 136
Best Double Couple:Mo=6.6*10**16
NP1:Strike=184 Dip=16 Slip= 38
NP2: 57 80 103

01 22 05 47.17 40.227N 143.936E 33km
5.0mb (29 obs.) 5.0Msz (2 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 11S, 13C
Centroid Location:
Origin Time 22:05:47.9 1.9
Lat 40.56N 0.12 Lon 144.08E 0.20
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.07 Plg=55 Azm=306
N 0.16 8 203
P -6.22 33 107
Best Double Couple:Mo=6.2*10**16
NP1:Strike=167 Dip=14 Slip= 53
NP2: 25 79 99

02 20 58 17.43 40.553N 143.466E 28km
5.1mb (74 obs.) 5.0Msz (4 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 18S, 24C
Centroid Location:
Origin Time 20:58:23.8 0.9
Lat 40.25N 0.11 Lon 143.76E 0.12
Dep 27.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 10.25 Plg=57 Azm=274
N 1.22 3 8
P -11.48 33 100
Best Double Couple:Mo=1.1*10**17
NP1:Strike=201 Dip=12 Slip= 103
NP2: 8 78 87

03 02 54 56.96 56.206S 27.285W 130km
5.5mb (25 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 39S, 53C
Centroid Location:
Origin Time 02:55: 0.4 0.3
Lat 56.53S 0.03 Lon 26.83W 0.05
Dep 131.8 1.6 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 11.61 Plg=69 Azm=154
N -5.54 11 34
P -6.07 18 300
Best Double Couple:Mo=8.8*10**16
NP1:Strike= 13 Dip=29 Slip= 67
NP2: 219 64 102

03 06 49 20.10 19.634S 178.106W 601km
5.3mb (37 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 46S, 64C
Centroid Location:
Origin Time 06:49:27.0 0.3
Lat 19.61S 0.03 Lon 178.08W 0.03
Dep 623.1 2.1 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.81 Plg=45 Azm=169
N 0.33 28 46
P -3.15 32 297
Best Double Couple:Mo=3.0*10**17
NP1:Strike=334 Dip=29 Slip= 15
NP2: 230 83 119

03 16 11 57.09 57.699S 65.883W 14km
6.2mb (51 obs.) 5.6Msz (37 obs.)
DRAKE PASSAGE
RADIATED ENERGY
No. of sta: 9 Focal mech. M
Energy 1.0±0.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 19 No. of sta: 16
Principal Axes:
Scale 10**17 Nm
T Val= 4.37 Plg=79 Azm=310
N -0.32 11 125
P -4.05 1 215
Best Double Couple:Mo=4.2*10**17
NP1:Strike=316 Dip=45 Slip= 106
NP2: 114 47 74
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 60S,124C
Centroid Location:
Origin Time 16:12: 0.7 0.1
Lat 57.67S 0.02 Lon 66.42W 0.03
Dep 16.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 7.48 Plg=66 Azm=307
N 0.41 23 141
P -7.89 5 49
Best Double Couple:Mo=7.7*10**17
NP1:Strike=115 Dip=45 Slip= 56
NP2: 339 54 119

04 02 47 27.21 51.578N 173.648W 33km
5.5mb (124 obs.) 4.8Msz (28 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 41S, 59C
Centroid Location:
Origin Time 02:47:29.2 0.6
Lat 51.70N 0.06 Lon 173.39W 0.08
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 9.45 Plg=70 Azm=327
N 1.07 0 58
P -10.52 20 148
Best Double Couple:Mo=1.0*10**17
NP1:Strike=239 Dip=25 Slip= 91
NP2: 58 65 90

04 06 28 39.07 56.060S 123.232W 10km
5.0mb (8 obs.) 5.8Msz (9 obs.)
SOUTHERN EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 75S,168C
Centroid Location:
Origin Time 06:28:46.6 0.1
Lat 55.90S 0.01 Lon 123.45W 0.02
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 10.17 Plg= 3 Azm=331
N 0.08 80 80
P -10.25 10 241
Best Double Couple:Mo=1.0*10**18
NP1:Strike= 16 Dip=81 Slip=-175
NP2: 286 85 -9

04 23 14 42.02 43.251N 147.449E 49km
5.3mb (96 obs.) 4.7Msz (14 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 24S, 33C
Centroid Location:
Origin Time 23:14:46.0 0.5
Lat 43.36N 0.05 Lon 147.83E 0.07
Dep 59.9 4.4 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 7.02 Plg=66 Azm=282
N 3.30 10 37
P -10.32 21 131
Best Double Couple:Mo=8.7*10**16
NP1:Strike=239 Dip=26 Slip= 115
NP2: 33 67 79

05 09 18 43.16 39.319N 143.366E 32km
5.3mb (84 obs.) 5.1Msz (5 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 24S, 28C
Centroid Location:
Origin Time 09:18:44.1 0.7
Lat 39.24N 0.07 Lon 143.66E 0.08
Dep 33.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 7.55 Plg=63 Azm=289
N -0.15 1 198
P -7.40 27 107
Best Double Couple:Mo=7.5*10**16
NP1:Strike=195 Dip=18 Slip= 87
NP2: 18 72 91

05 12 07 36.75 39.209N 143.510E 30km
5.2mb (70 obs.) 4.9Msz (4 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 11S, 13C
Centroid Location:
Origin Time 12:07:39.9 1.2
Lat 39.21N FIX;Lon 143.47E FIX
Dep 30.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

T Val= 5.57 Plg=48 Azm=244
N 1.02 22 0
P -6.60 34 105
Best Double Couple:Mo=6.1*10**16
NP1:Strike=250 Dip=23 Slip= 162
NP2: 357 83 68

05 23 30 07.45 22.033S 168.902E 29km
5.6mb (41 obs.) 5.4Msz (15 obs.)
NEW CALEDONIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 59S,112C
Centroid Location:
Origin Time 23:30:12.3 0.1
Lat 22.04S 0.02 Lon 168.88E 0.02
Dep 29.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 3.97 Plg=36 Azm=310
N 0.86 47 167
P -4.83 19 55
Best Double Couple:Mo=4.4*10**17
NP1:Strike= 99 Dip=49 Slip= 14
NP2: 359 79 138

06 16 41 30.84 39.115N 143.511E 18km
5.2mb (77 obs.) 5.1Msz (7 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 20S, 27C
Centroid Location:
Origin Time 16:41:32.6 0.8
Lat 39.05N 0.10 Lon 143.72E 0.10
Dep 15.0 BDY Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 12.31 Plg=56 Azm=316
N -0.12 10 210
P -12.19 32 114
Best Double Couple:Mo=1.2*10**17
NP1:Strike=171 Dip=16 Slip= 50
NP2: 32 77 101

06 18 01 12.81 56.497S 25.319W 33km
5.2mb (9 obs.) 4.8Msz (1 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 42S, 76C
Centroid Location:
Origin Time 18:01:20.0 0.2
Lat 56.73S 0.03 Lon 25.28W 0.06
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.98 Plg=65 Azm=252
N 0.29 0 342
P -2.26 25 73
Best Double Couple:Mo=2.1*10**17
NP1:Strike=163 Dip=20 Slip= 91
NP2: 342 70 90

06 19 01 51.06 56.627S 25.724W 33km
5.0mb (14 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 23S, 38C
Centroid Location:
Origin Time 19:01:55.7 0.4
Lat 56.64S 0.05 Lon 25.53W 0.08
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.57 Plg=59 Azm=284
N 0.01 10 176
P -1.57 29 80
Best Double Couple:Mo=1.6*10**17
NP1:Strike=143 Dip=19 Slip= 55
NP2: 359 75 101

06 21 59 28.60 9.189N 126.179E 32km
5.9mb (105 obs.) 5.3Msz (8 obs.)
MINDANAO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=355 Dip=68 Slip= 90
NP2: 175 22 90
Principal Axes:
T Plg=67 Azm=265
P 23 85
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. M
Energy 9.2±3.0*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 34 No. of sta: 19
Principal Axes:
Scale 10**17 Nm
T Val= 4.43 Plg=74 Azm=318
N -0.12 12 179
P -4.31 10 86
Best Double Couple:Mo=4.4*10**17
NP1:Strike=161 Dip=36 Slip= 69
NP2: 7 56 105
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 44S, 76C
Centroid Location:
Origin Time 21:59:33.2 0.2
Lat 9.15N 0.02 Lon 126.64E 0.02
Dep 45.4 2.1 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 5.46 Plg=71 Azm=338
N 0.34 16 188
P -5.80 9 95
Best Double Couple:Mo=5.6*10**17
NP1:Strike=167 Dip=39 Slip= 64
NP2: 19 56 110

06 22 37 34.32 40.246N 142.175E 27km
6.7mb (163 obs.) 6.9Msz (47 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=75 Slip= 90
NP2: 200 15 90
Principal Axes:
T Plg=60 Azm=290
P 30 110
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 39 Focal mech. F
Energy 3.8±0.4*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 35 No. of sta: 50
Principal Axes:
Scale 10**19 Nm
T Val= 2.52 Plg=62 Azm=311
N 0.29 10 203
P -2.81 26 108
Best Double Couple:Mo=2.7*10**19
NP1:Strike=175 Dip=21 Slip= 61
NP2: 26 72 100
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 70S,194C M.W.: 62S,146C
Centroid Location:
Origin Time 22:37:42.6 0.1
Lat 40.33N 0.01 Lon 142.41E 0.01
Dep 47.5 0.3 Half-duration 7.4
Principal Axes:
Scale 10**19 Nm
T Val= 3.31 Plg=64 Azm=304
N 0.05 7 199
P -3.36 25 105
Best Double Couple:Mo=3.3*10**19
NP1:Strike=179 Dip=21 Slip= 69
NP2: 22 70 98

07 02 36 06.77 40.258N 142.364E 32km
6.3mb (176 obs.) 5.7Msz (48 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
RADIATED ENERGY
No. of sta: 12 Focal mech. M
Energy 1.9±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 33 No. of sta: 9
Principal Axes:
Scale 10**17 Nm
T Val= 9.43 Plg=66 Azm=323
N 0.19 5 221
P -9.62 23 128
Best Double Couple:Mo=9.5*10**17
NP1:Strike=207 Dip=22 Slip= 76
NP2: 43 69 96
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 56S,112C M.W.: 1S, 1C
Centroid Location:
Origin Time 02:36:11.5 0.2
Lat 40.34N 0.03 Lon 142.62E 0.03
Dep 50.7 1.8 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 11.98 Plg=65 Azm=325
N 0.58 13 205
P -12.56 21 109
Best Double Couple:Mo=1.2*10**18
NP1:Strike=176 Dip=27 Slip= 59
NP2: 30 68 105

07 13 24 46.83 40.237N 143.381E 32km
5.5mb (101 obs.) 5.0Msz (10 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 21S, 27C
Centroid Location:
Origin Time 13:24:47.3 1.1
Lat 40.16N 0.10 Lon 144.01E 0.10
Dep 38.3 7.0 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 7.53 Plg=59 Azm=337
N -1.16 19 211
P -6.37 23 113
Best Double Couple:Mo=6.9*10**16
NP1:Strike=170 Dip=28 Slip= 45
NP2: 38 71 110

08 07 14 16.98 5.475S 146.657E 158km
4.9mb (21 obs.)
EASTERN NEW GUINEA REG., P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 13S, 14C
Centroid Location:
Origin Time 07:14:18.4 1.3
Lat 6.10S 0.14 Lon 146.30E 0.13
Dep 152.9 3.1 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.97 Plg=13 Azm=114
N -2.35 4 205
P -5.61 77 311
Best Double Couple:Mo=6.8*10**16
NP1:Strike=199 Dip=33 Slip= -97
NP2: 27 58 -86

08 09 22 18.85 8.496S 74.307W 149km
5.1mb (58 obs.)
PERU-BRAZIL BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 18S, 19C
Centroid Location:
Origin Time 09:22:21.3 1.0
Lat 8.77S 0.10 Lon 74.00W 0.07
Dep 151.6 2.5 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 0.98 Plg= 7 Azm=338
N 0.18 2 69
P -1.16 83 177
Best Double Couple:Mo=1.1*10**17
NP1:Strike= 66 Dip=38 Slip= -94
NP2: 250 52 -87

08 13 41 13.93 27.032S 176.104W 67km
5.0mb (8 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 31S, 46C
Centroid Location:
Origin Time 13:41:16.2 0.4
Lat 26.64S 0.05 Lon 176.12W 0.05
Dep 20.0 2.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 9.81 Plg=71 Azm=263
N 1.81 3 1
P -11.62 19 92
Best Double Couple:Mo=1.1*10**17
NP1:Strike=187 Dip=27 Slip= 96
NP2: 0 64 87

09 17 57 18.03 1.459N 90.563W 10km
5.0mb (38 obs.) 5.0Msz (25 obs.)

GALAPAGOS ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 33S, 51C
Centroid Location:
Origin Time 17:57:23.1 0.5
Lat 1.39N 0.05 Lon 90.39W 0.05
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.02 Plg=14 Azm=221
N -0.75 72 81
P -2.27 11 314
Best Double Couple:Mo=2.6*10**17
NP1:Strike=358 Dip=72 Slip= 2
NP2: 267 88 162

09 18 00 17.80 35.880N 141.343E 33km
5.7mb (116 obs.) 5.6Msz (42 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 28 Dip=80 Slip= 90
NP2: 208 10 90
Principal Axes:
T Plg=55 Azm=298
P 35 118
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 24 No. of sta: 18
Principal Axes:
Scale 10**17 Nm
T Val= 9.57 Plg=54 Azm=322
N -0.75 15 211
P -8.82 32 111
Best Double Couple:Mo=9.2*10**17
NP1:Strike=161 Dip=19 Slip= 39
NP2: 34 78 105
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 52S,126C
Centroid Location:
Origin Time 18:00:21.7 0.1
Lat 35.91N 0.02 Lon 141.61E 0.02
Dep 22.2 1.3 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 9.00 Plg=62 Azm=299
N 1.36 2 205
P -10.36 28 114
Best Double Couple:Mo=9.7*10**17
NP1:Strike=197 Dip=17 Slip= 82
NP2: 26 73 92

10 04 28 02.60 1.486N 90.627W 10km
4.9mb (31 obs.)
GALAPAGOS ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 15S, 16C
Centroid Location:
Origin Time 04:28: 6.1 1.0
Lat 1.62N 0.09 Lon 91.09W 0.13
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.27 Plg= 0 Azm=222
N -3.47 90 180
P -3.80 0 132
Best Double Couple:Mo=5.5*10**16
NP1:Strike=267 Dip=90 Slip=-180
NP2: 357 90 0

10 07 55 20.37 23.616N 121.656E 33km
5.1mb (44 obs.) 4.8Msz (2 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 8S, 15C
Centroid Location:
Origin Time 07:55:18.7 0.9
Lat 23.47N 0.13 Lon 121.48E 0.16
Dep 32.6 8.5 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.75 Plg=58 Azm=101
N 0.85 15 217
P -6.59 28 315
Best Double Couple:Mo=6.2*10**16
NP1:Strike= 79 Dip=22 Slip= 134
NP2: 213 74 74

10 10 09 51.04 20.205N 109.153E 33km
5.2mb (74 obs.) 5.5Msz (33 obs.)
SOUTHEASTERN CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 48S, 74C
Centroid Location:
Origin Time 10:09:49.9 0.3
Lat 20.57N 0.03 Lon 109.33E 0.03
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.09 Plg=13 Azm=220
N 0.26 63 338
P -2.35 23 124
Best Double Couple:Mo=2.2*10**17
NP1:Strike=264 Dip=64 Slip=-173
NP2: 171 83 -26

10 13 43 34.82 13.929S 169.316W 33km
4.6mb (19 obs.) 4.7Msz (1 obs.)
SAMOA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 36S, 42C
Centroid Location:
Origin Time 13:43:37.6 0.4
Lat 14.12S 0.05 Lon 168.92W 0.04
Dep 39.2 3.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.85 Plg= 6 Azm= 79
N 2.21 16 347
P -8.06 73 188
Best Double Couple:Mo=7.0*10**16
NP1:Strike=186 Dip=42 Slip= -66
NP2: 335 53 -110

11 07 48 23.03 41.934N 142.484E 57km
5.2mb (98 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 51S, 91C
Centroid Location:
Origin Time 07:48:27.4 0.2
Lat 41.92N 0.02 Lon 142.79E 0.02
Dep 51.0 BDY Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.42 Plg=67 Azm=310
N 0.27 3 212
P -2.69 23 120
Best Double Couple:Mo=2.5*10**17
NP1:Strike=203 Dip=22 Slip= 81
NP2: 33 68 94

11 09 47 16.31 22.180S 179.536W 594km
5.2mb (64 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 40S, 65C
Centroid Location:
Origin Time 09:47:23.4 0.4
Lat 22.01S 0.04 Lon 179.44W 0.03
Dep 607.1 1.9 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.63 Plg=56 Azm= 52
N -0.05 24 183
P -2.58 22 284
Best Double Couple:Mo=2.6*10**17
NP1:Strike= 51 Dip=31 Slip= 142
NP2: 175 72 65

11 10 26 25.43 7.963S 73.943W 174km
5.3mb (85 obs.)
PERU-BRAZIL BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 13S, 14C
Centroid Location:
Origin Time 10:26:32.7 0.9
Lat 7.94S 0.11 Lon 74.21W 0.20
Dep 177.0 4.2 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 14.24 Plg=25 Azm=115
N -1.09 37 226
P -13.14 42 0
Best Double Couple:Mo=1.4*10**17
NP1:Strike=157 Dip=39 Slip=-164
NP2: 54 80 -52

11 19 30 26.56 1.142N 90.567W 33km
5.1mb (34 obs.) 4.9Msz (26 obs.)
GALAPAGOS ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 54S, 93C
Centroid Location:
Origin Time 19:30:26.3 0.3
Lat 0.92N 0.02 Lon 90.64W 0.03
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.84 Plg= 7 Azm= 67
N -0.45 78 191
P -2.39 10 336
Best Double Couple:Mo=2.6*10**17
NP1:Strike=111 Dip=78 Slip=-178
NP2: 21 88 -12

12 10 26 47.43 44.061N 147.033E 35km
6.1mb (172 obs.) 5.5Msz (51 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=210 Dip=42 Slip= 40
NP2: 88 65 125
Principal Axes:
T Plg=56 Azm= 44
P 13 154
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 8.6±2.6*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 42 No. of sta: 26
Principal Axes:
Scale 10**18 Nm
T Val= 1.05 Plg=54 Azm= 34
N -0.01 36 218
P -1.05 2 127
Best Double Couple:Mo=1.0*10**18
NP1:Strike=185 Dip=53 Slip= 43
NP2: 67 57 135
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 63S,149C M.W.: 34S, 42C
Centroid Location:
Origin Time 10:26:54.2 0.1
Lat 43.85N 0.01 Lon 147.12E 0.01
Dep 51.1 0.8 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 10.73 Plg=54 Azm= 38
N -1.67 31 252
P -9.06 16 152
Best Double Couple:Mo=9.9*10**17
NP1:Strike=206 Dip=39 Slip= 36
NP2: 86 68 124

12 14 37 43.55 7.199S 106.587E 78km
5.2mb (31 obs.)
JAWA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 22S, 32C
Centroid Location:
Origin Time 14:37:50.9 0.5
Lat 7.31S FIX;Lon 106.57E FIX
Dep 72.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.93 Plg=56 Azm=347
N 2.49 11 94
P -8.42 32 191
Best Double Couple:Mo=7.2*10**16
NP1:Strike=315 Dip=17 Slip= 133
NP2: 91 78 78

13 03 13 00.03 43.165N 147.029E 33km
5.9mb (151 obs.) 5.2Msz (39 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=130 Dip=69 Slip= 6
NP2: 38 84 159

Principal Axes:
T Plg=19 Azm=352
P 11 86
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 47S, 97C
Centroid Location:
Origin Time 03:13: 2.9 0.2
Lat 43.19N 0.02 Lon 147.15E 0.02
Dep 41.7 1.9 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 2.95 Plg=24 Azm=353
N 0.20 64 196
P -3.15 9 87
Best Double Couple:Mo=3.0*10**17
NP1:Strike=132 Dip=66 Slip= 11
NP2: 38 80 156

13 05 06 09.55 3.465S 127.187E 57km
5.5mb (53 obs.)
SERAM, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 51S, 69C
Centroid Location:
Origin Time 05:06:13.9 0.3
Lat 3.33S 0.02 Lon 127.14E 0.04
Dep 64.4 2.4 Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.16 Plg=71 Azm= 40
N 0.17 11 276
P -1.32 15 183
Best Double Couple:Mo=1.2*10**17
NP1:Strike=258 Dip=31 Slip= 69
NP2: 102 61 102

14 06 49 23.86 27.929S 178.273W 213km
5.3mb (54 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 73S,133C
Centroid Location:
Origin Time 06:49:29.0 0.1
Lat 27.89S 0.02 Lon 178.08W 0.01
Dep 214.7 0.7 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.51 Plg=12 Azm= 89
N 1.29 35 187
P -4.80 53 342
Best Double Couple:Mo=4.2*10**17
NP1:Strike=143 Dip=45 Slip=-144
NP2: 26 66 -51

14 09 10 45.39 1.667N 126.546E 24km
5.3mb (43 obs.)
NORTHERN MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 25S, 37C
Centroid Location:
Origin Time 09:10:56.4 1.0
Lat 2.26N 0.08 Lon 126.74E 0.07
Dep 39.0 5.9 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.17 Plg=72 Azm= 55
N 1.31 18 227
P -6.48 2 318
Best Double Couple:Mo=5.8*10**16
NP1:Strike= 66 Dip=46 Slip= 115
NP2: 212 50 67

14 12 21 25.52 39.560N 143.005E 33km
5.3mb (71 obs.) 5.1Msz (7 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 18S, 20C
Centroid Location:
Origin Time 12:21:27.7 0.9
Lat 39.55N FIX;Lon 142.94E FIX
Dep 29.8 6.4 Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.14 Plg=49 Azm=241
N 0.16 13 347
P -1.30 38 87
Best Double Couple:Mo=1.2*10**17
NP1:Strike=232 Dip=14 Slip= 156
NP2: 345 84 77

15 01 19 37.17 5.808S 102.832E 36km
5.2mb (36 obs.)
SOUTHERN SUMATERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 16S, 22C
Centroid Location:
Origin Time 01:19:40.6 0.8
Lat 5.90S 0.11 Lon 102.47E 0.10
Dep 36.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.67 Plg=39 Azm= 33
N -1.79 49 233
P -4.88 10 132
Best Double Couple:Mo=5.8*10**16
NP1:Strike=181 Dip=55 Slip= 23
NP2: 77 71 143

15 02 40 18.85 27.511N 128.460E 47km
5.8mb (137 obs.) 5.4Msz (27 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 56S,111C
Centroid Location:
Origin Time 02:40:22.6 0.1
Lat 27.39N 0.02 Lon 128.59E 0.02
Dep 48.3 1.3 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.07 Plg=75 Azm=330
N 0.40 3 228
P -3.47 15 137
Best Double Couple:Mo=3.3*10**17
NP1:Strike=223 Dip=31 Slip= 84
NP2: 50 60 93

15 04 54 31.94 16.504S 177.440E 33km
4.7mb (9 obs.)
FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 15S, 19C
Centroid Location:
Origin Time 04:54:37.9 0.9
Lat 16.59S FIX;Lon 177.46E FIX
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 9.92 Plg=24 Azm=309
N 0.78 47 68
P -10.70 33 203
Best Double Couple:Mo=1.0*10**17
NP1:Strike=349 Dip=48 Slip=-173
NP2: 254 85 -42

15 12 57 30.48 3.414S 145.879E 33km
5.3mb (13 obs.) 4.6Msz (3 obs.)
NEAR N COAST OF NEW GUINEA, PNG.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 28S, 44C
Centroid Location:
Origin Time 12:57:30.3 0.7
Lat 3.62S 0.06 Lon 146.33E 0.07
Dep 23.4 5.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.36 Plg= 8 Azm=321
N 0.70 77 91
P -7.06 10 229
Best Double Couple:Mo=6.7*10**16
NP1:Strike= 5 Dip=77 Slip=-179
NP2: 275 89 -13

15 23 59 26.16 5.246S 152.040E 62km
5.7mb (58 obs.) 5.9Msz (35 obs.)
NEW BRITAIN REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 68S,150C M.W.: 29S, 37C
Centroid Location:
Origin Time 23:59:29.7 0.1
Lat 5.40S 0.01 Lon 152.33E 0.01
Dep 31.7 0.6 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 11.70 Plg=67 Azm=345
N 0.70 0 254
P -12.40 23 164
Best Double Couple:Mo=1.2*10**18
NP1:Strike=254 Dip=22 Slip= 89
NP2: 75 68 90

16 03 03 27.95 35.360S 106.123W 10km
4.9mb (12 obs.)
SOUTHERN EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 20S, 26C
Centroid Location:
Origin Time 03:03:35.8 0.7
Lat 35.27S 0.07 Lon 105.57W 0.07
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.51 Plg= 0 Azm=245
N -1.56 90 180
P -6.95 0 155
Best Double Couple:Mo=7.7*10**16
NP1:Strike=290 Dip=90 Slip=-180
NP2: 20 90 0

16 18 14 49.46 51.260N 179.168E 33km
5.6mb (138 obs.) 6.1Msz (57 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 79S,195C M.W.: 51S, 78C
Centroid Location:
Origin Time 18:14:53.7 0.1
Lat 51.31N 0.01 Lon 179.16E 0.01
Dep 27.1 0.5 Half-duration 3.7
Principal Axes:
Scale 10**18 Nm
T Val= 3.36 Plg=66 Azm=328
N 0.22 6 71
P -3.58 23 164
Best Double Couple:Mo=3.5*10**18
NP1:Strike=266 Dip=23 Slip= 106
NP2: 69 68 84

16 18 42 17.24 51.299N 179.165E 33km
5.5mb (78 obs.) 5.6Msz (5 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 48S, 85C
Centroid Location:
Origin Time 18:42:20.7 0.4
Lat 51.34N 0.04 Lon 179.46E 0.09
Dep 32.0 3.9 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.43 Plg=65 Azm=348
N 0.42 1 255
P -4.84 25 164
Best Double Couple:Mo=4.6*10**17
NP1:Strike=251 Dip=20 Slip= 86
NP2: 75 70 92

16 20 46 52.12 34.583N 135.018E 22km
6.3mb (149 obs.) 6.8Msz (52 obs.)
NEAR S. COAST OF WESTERN HONSHU
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=232 Dip=79 Slip= 153
NP2: 328 64 12
Principal Axes:
T Plg=27 Azm=187
P 10 282
Comment: The focal mechanism is well controlled and corresponds to right-lateral strike slip faulting with a moderate reverse component. The preferred fault plane is NP1 and has been identified as the Nojima Fault.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 8.5±1.6*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 31
Principal Axes:
Scale 10**19 Nm
T Val= 1.74 Plg=12 Azm=186

N 0.09 73 51
P -1.84 11 279
Best Double Couple:Mo=1.8*10**19
NP1:Strike=323 Dip=73 Slip= 0
NP2: 233 90 163
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 70S,187C M.W.: 58S,145C
Centroid Location:
Origin Time 20:46:59.4 0.1
Lat 34.78N 0.00 Lon 134.99E 0.01
Dep 20.3 0.4 Half-duration 6.6
Principal Axes:
Scale 10**19 Nm
T Val= 2.24 Plg=22 Azm=186
N 0.37 67 22
P -2.61 6 278
Best Double Couple:Mo=2.4*10**19
NP1:Strike=324 Dip=70 Slip= 12
NP2: 230 79 160

17 16 54 11.81 20.833S 179.236W 634km
5.9mb (84 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=330 Dip=88 Slip= -66
NP2: 64 24 -175
Principal Axes:
T Plg=38 Azm= 38
P 42 263
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 25 Focal mech. F
Energy 1.1±0.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 648 No. of sta: 33
Principal Axes:
Scale 10**18 Nm
T Val= 3.47 Plg=44 Azm= 41
N -0.01 22 154
P -3.45 38 263
Best Double Couple:Mo=3.5*10**18
NP1:Strike= 55 Dip=23 Slip= 172
NP2: 153 87 68
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 75S,163C M.W.: 26S, 34C
Centroid Location:
Origin Time 16:54:18.2 0.1
Lat 20.71S 0.01 Lon 179.13W 0.01
Dep 649.4 0.9 Half-duration 3.0
Principal Axes:
Scale 10**18 Nm
T Val= 3.66 Plg=36 Azm= 38
N -0.27 28 150
P -3.39 41 268
Best Double Couple:Mo=3.5*10**18
NP1:Strike= 68 Dip=28 Slip=-173
NP2: 332 87 -62

19 03 00 23.19 43.376N 146.971E 40km
5.5mb (141 obs.) 5.1Msz (39 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 47S, 93C
Centroid Location:
Origin Time 03:00:26.1 0.3
Lat 43.32N 0.04 Lon 147.16E 0.04
Dep 43.4 2.3 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 2.84 Plg=31 Azm=191
N 0.39 57 347
P -3.23 11 95
Best Double Couple:Mo=3.0*10**17
NP1:Strike=229 Dip=60 Slip= 165
NP2: 326 77 31

19 05 25 17.81 3.470S 140.084E 27km
5.4mb (46 obs.) 5.0Msz (21 obs.)
IRIAN JAYA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 34S, 47C
Centroid Location:
Origin Time 05:25:20.5 0.4
Lat 3.74S 0.04 Lon 140.36E 0.05
Dep 29.3 3.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 9.54 Plg=67 Azm=169
N -0.26 14 294
P -9.27 18 28
Best Double Couple:Mo=9.4*10**16
NP1:Strike=140 Dip=29 Slip= 119
NP2: 287 65 75

19 09 55 33.66 7.395S 128.260E 160km
5.9mb (83 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=265 Dip=40 Slip= 90
NP2: 85 50 90
Principal Axes:
T Plg=85 Azm=355
P 5 175
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 16 Focal mech. M
Energy 5.6±1.1*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 171 No. of sta: 14
Principal Axes:
Scale 10**17 Nm
T Val= 8.84 Plg=81 Azm=321
N -0.84 7 108
P -8.00 5 199
Best Double Couple:Mo=8.4*10**17
NP1:Strike=297 Dip=41 Slip= 101
NP2: 102 50 80
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 69S,145C
Centroid Location:
Origin Time 09:55:39.4 0.2
Lat 7.51S 0.01 Lon 128.51E 0.01
Dep 178.7 0.5 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 8.40 Plg=81 Azm=279
N -1.04 9 114
P -7.36 2 23
Best Double Couple:Mo=7.9*10**17
NP1:Strike=104 Dip=43 Slip= 77
NP2: 302 48 102

19 11 18 32.05 13.242S 111.658W 10km
4.6mb (6 obs.) 4.8Msz (2 obs.)
CENTRAL EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 39S, 55C
Centroid Location:
Origin Time 11:18:34.9 0.7
Lat 13.44S 0.07 Lon 111.46W 0.04
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 1.75 Plg= 0 Azm=135
N -0.24 90 180
P -1.51 0 45
Best Double Couple:Mo=1.6*10**17
NP1:Strike=180 Dip=90 Slip=-180
NP2: 270 90 0

19 15 05 03.41 5.050N 72.916W 17km
6.3mb (136 obs.) 6.6Msz (62 obs.)
COLOMBIA
RADIATED ENERGY
No. of sta: 22 Focal mech. M
Energy 1.6±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 11 No. of sta: 46
Principal Axes:
Scale 10**18 Nm
T Val= 7.07 Plg=78 Azm= 73
N -0.35 10 220
P -6.72 7 311
Best Double Couple:Mo=6.9*10**18
NP1:Strike= 52 Dip=39 Slip= 106
NP2: 212 52 77
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 80S,205C M.W.: 64S,114C
Centroid Location:
Origin Time 15:05:10.7 0.1
Lat 5.16N 0.01 Lon 72.85W 0.01
Dep 16.0 BDY Half-duration 5.3
Principal Axes:
Scale 10**18 Nm
T Val= 7.06 Plg=78 Azm=111
N 0.01 3 214
P -7.07 12 305
Best Double Couple:Mo=7.1*10**18
NP1:Strike= 38 Dip=33 Slip= 95
NP2: 212 57 87

19 21 01 29.78 28.952N 43.340W 10km
4.9mb (42 obs.) 4.2Msz (4 obs.)
NORTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 10S, 10C
Centroid Location:
Origin Time 21:01:33.7 0.7
Lat 28.89N FIX;Lon 43.34W FIX
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.62 Plg= 0 Azm= 94
N -0.97 90 180
P -7.66 0 4
Best Double Couple:Mo=8.1*10**16
NP1:Strike=139 Dip=90 Slip=-180
NP2: 229 90 0

20 00 55 22.16 10.990S 162.145E 27km
5.6mb (57 obs.) 5.4Msz (23 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 62S,124C
Centroid Location:
Origin Time 00:55:26.0 0.1
Lat 11.06S 0.02 Lon 162.45E 0.02
Dep 16.6 1.6 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 6.52 Plg=45 Azm=111
N -0.80 27 350
P -5.72 33 241
Best Double Couple:Mo=6.1*10**17
NP1:Strike=276 Dip=28 Slip= 14
NP2: 174 83 118

20 03 35 45.97 43.333N 146.800E 58km
5.8mb (172 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=70 Slip= 80
NP2: 232 22 116
Principal Axes:
T Plg=64 Azm=279
P 24 123
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a small strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 1.3±0.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 65 No. of sta: 7
Principal Axes:
Scale 10**17 Nm
T Val= 2.80 Plg=78 Azm=209
N 0.43 10 58
P -3.23 5 327
Best Double Couple:Mo=3.0*10**17
NP1:Strike= 45 Dip=41 Slip= 74
NP2: 246 51 103
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 51S, 86C
Centroid Location:
Origin Time 03:35:50.9 0.3
Lat 43.34N 0.03 Lon 147.05E 0.04
Dep 65.3 2.1 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 13.29 Plg=70 Azm=310
N 3.00 1 44
P -16.29 20 134
Best Double Couple:Mo=1.5*10**17
NP1:Strike=227 Dip=25 Slip= 93
NP2: 43 65 89

20 05 41 59.87 5.942N 125.816E 134km
4.9mb (32 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 23S, 26C
Centroid Location:
Origin Time 05:42: 1.8 0.8
Lat 6.10N 0.08 Lon 125.85E 0.08
Dep 131.0 3.8 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.03	67	221
N	0.78	13	343
P	-6.80	18	78

Best Double Couple:Mo=6.4*10**16

	Strike=	Dip=	Slip=
NP1:	188	29	117
NP2:	337	65	76

20 11 29 12.33 14.026N 91.868W 67km
5.0mb (67 obs.) 5.4Msz (13 obs.)
GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 64S,117C
Centroid Location:
Origin Time 11:29:12.4 0.1
Lat 13.82N 0.01 Lon 92.33W 0.02
Dep 30.2 1.2 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.70	69	42
N	0.17	4	303
P	-3.87	21	212

Best Double Couple:Mo=3.8*10**17

	Strike=	Dip=	Slip=
NP1:	295	24	81
NP2:	125	66	94

20 13 59 20.26 5.178N 72.921W 33km
5.1mb (62 obs.)
COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 29S, 33C
Centroid Location:
Origin Time 13:59:25.0 0.6
Lat 5.21N FIX;Lon 72.89W FIX
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.71	60	325
N	0.65	15	208
P	-7.36	26	110

Best Double Couple:Mo=7.0*10**16

	Strike=	Dip=	Slip=
NP1:	170	24	50
NP2:	33	72	106

20 14 19 56.75 31.889S 178.259W 33km
5.3mb (7 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 22S, 30C
Centroid Location:
Origin Time 14:20: 0.2 0.8
Lat 31.96S FIX;Lon 178.28W FIX
Dep 49.6 7.8 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.48	67	277
N	0.84	5	20
P	-5.32	22	112

Best Double Couple:Mo=4.9*10**16

	Strike=	Dip=	Slip=
NP1:	212	24	104
NP2:	18	67	84

20 15 49 02.27 1.184N 125.998E 57km
5.7mb (78 obs.)
NORTHERN MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 69S,145C
Centroid Location:
Origin Time 15:49: 8.0 0.1
Lat 1.38N 0.02 Lon 126.17E 0.01
Dep 49.3 1.2 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.59	43	183
N	2.74	46	12
P	-9.32	5	278

Best Double Couple:Mo=8.0*10**17

	Strike=	Dip=	Slip=
NP1:	330	57	31
NP2:	222	65	143

21 00 16 12.13 46.711N 152.661E 58km
4.8mb (41 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 7S, 8C
Centroid Location:
Origin Time 00:16:12.3 2.4
Lat 47.13N FIX;Lon 152.81E FIX
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.01	54	304
N	1.74	4	209
P	-5.74	36	116

Best Double Couple:Mo=4.9*10**16

	Strike=	Dip=	Slip=
NP1:	185	10	66
NP2:	29	81	94

21 06 56 33.58 40.572N 143.603E 34km
5.4mb (99 obs.) 5.5Msz (8 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 38S, 55C
Centroid Location:
Origin Time 06:56:36.2 0.4
Lat 40.62N 0.04 Lon 143.85E 0.05
Dep 28.7 2.6 Half-duration 4.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.61	59	300
N	0.07	1	208
P	-1.68	31	117

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

	Strike=	Dip=	Slip=
NP1:	203	14	85
NP2:	28	76	91

21 07 30 22.95 2.563N 126.882E 42km
6.2mb (98 obs.) 6.0Msz (29 obs.)
NORTHERN MOLUCCA SEA
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	160	55	90
NP2:	340	35	90

Principal Axes:

	Plg=	Azm=
T	80	70
P	10	250

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 15 Focal mech. F
Energy 3.3±0.6*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 42 No. of sta: 17
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.96	81	140
N	-0.02	7	356
P	-1.94	5	266

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

	Strike=	Dip=	Slip=
NP1:	348	40	79
NP2:	182	50	99

CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 72S,168C M.W.: 46S, 59C
Centroid Location:
Origin Time 07:30:27.7 0.1
Lat 2.74N 0.01 Lon 126.82E 0.01
Dep 32.3 0.6 Half-duration 3.3
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.56	71	47
N	-0.11	6	157
P	-2.45	17	249

Best Double Couple:Mo=2.5*10**18

	Strike=	Dip=	Slip=
NP1:	349	28	104
NP2:	153	63	83

21 08 47 29.64 43.377N 146.720E 59km
6.5mb (175 obs.) 5.9Msz (34 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	55	70	90
NP2:	235	20	90

Principal Axes:

	Plg=	Azm=
T	65	325
P	25	145

Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 40 Focal mech. F
Energy 1.4±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 63 No. of sta: 37
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.59	70	357
N	-0.01	8	245
P	-2.58	18	152

Best Double Couple:Mo=2.6*10**18

	Strike=	Dip=	Slip=
NP1:	229	28	73
NP2:	69	64	99

CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 65S,170C M.W.: 34S, 40C
Centroid Location:
Origin Time 08:47:34.1 0.1
Lat 43.35N 0.01 Lon 146.85E 0.01
Dep 70.2 0.5 Half-duration 3.2
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.80	64	347
N	0.05	9	239
P	-2.85	25	144

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

	Strike=	Dip=	Slip=
NP1:	215	22	65
NP2:	62	70	100

21 16 01 23.94 7.046S 129.113E 177km
5.8mb (62 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 58S, 97C
Centroid Location:
Origin Time 16:01:30.3 0.2
Lat 6.97S 0.02 Lon 129.39E 0.03
Dep 192.7 0.9 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.76	60	289
N	0.12	19	57
P	-2.88	22	155

Best Double Couple:Mo=2.8*10**17

	Strike=	Dip=	Slip=
NP1:	277	29	133
NP2:	50	69	69

21 16 44 07.48 2.596S 134.350E 33km
5.3mb (32 obs.) 4.7Msz (2 obs.)
IRIAN JAYA REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 15S, 20C
Centroid Location:
Origin Time 16:44:13.1 0.8
Lat 2.61S 0.13 Lon 134.21E 0.09
Dep 53.5 7.6 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.63	11	288
N	-1.65	18	22
P	-5.98	68	169

Best Double Couple:Mo=6.8*10**16

	Strike=	Dip=	Slip=
NP1:	356	38	-121
NP2:	214	58	-68

22 00 20 40.33 20.436S 177.929W 504km
5.1mb (63 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	30	80	-90
NP2:	210	10	-90

Principal Axes:

	Plg=	Azm=
T	35	120
P	55	300

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 61S,108C
Centroid Location:
Origin Time 00:20:45.9 0.2
Lat 20.27S 0.02 Lon 177.66W 0.02
Dep 508.9 1.2 Half-duration 1.7
Principal Axes:

Scale 10**17 Nm
T Val= 3.66 Plg=28 Azm=169
N 0.01 30 61
P -3.67 47 293
Best Double Couple:Mo=3.7*10**17
NP1:Strike=308 Dip=32 Slip= -20
NP2: 55 80 -121

22 02 38 12.06 41.486N 29.337W 16km
5.0mb (55 obs.)
AZORES ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 18S, 29C
Centroid Location:
Origin Time 02:38:16.7 0.6
Lat 41.56N 0.10 Lon 29.60W 0.11
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.17 Plg=13 Azm=103
N -0.60 3 12
P -4.57 77 270
Best Double Couple:Mo=4.9*10**16
NP1:Strike=197 Dip=32 Slip= -85
NP2: 11 58 -93

22 10 41 27.55 5.093N 72.965W 21km
5.5mb (106 obs.) 5.1Msz (35 obs.)
COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 70S,130C
Centroid Location:
Origin Time 10:41:32.9 0.2
Lat 5.01N 0.03 Lon 72.88W 0.02
Dep 15.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.91 Plg=59 Azm=240
N -0.43 25 23
P -3.48 16 121
Best Double Couple:Mo=3.7*10**17
NP1:Strike=243 Dip=36 Slip= 136
NP2: 10 66 62

22 12 04 48.42 27.12 S 176.51 W 81km
4.8mb (13 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 46S, 83C
Centroid Location:
Origin Time 12:04:46.5 0.3
Lat 26.90S 0.04 Lon 176.12W 0.04
Dep 15.1 FIX Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.04 Plg=63 Azm=296
N 0.08 7 192
P -2.12 26 99
Best Double Couple:Mo=2.1*10**17
NP1:Strike=174 Dip=20 Slip= 70
NP2: 14 71 97

23 10 16 18.53 26.835S 176.472W 33km
5.4mb (37 obs.) 5.7Msz (31 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 68S,144C
Centroid Location:
Origin Time 10:16:22.4 0.1
Lat 26.99S 0.02 Lon 175.91W 0.02
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.39 Plg=66 Azm=308
N 0.08 9 198
P -6.47 22 104
Best Double Couple:Mo=6.4*10**17
NP1:Strike=178 Dip=24 Slip= 68
NP2: 22 68 99

24 04 14 26.36 27.560N 55.630E 33km
4.9mb (67 obs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 15S, 18C
Centroid Location:
Origin Time 04:14:29.9 1.2
Lat 27.64N FIX;Lon 55.65E FIX
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 3.88 Plg=65 Azm= 18
N -1.53 17 247
P -2.35 17 151
Best Double Couple:Mo=3.1*10**16
NP1:Strike=217 Dip=31 Slip= 56
NP2: 75 64 109

24 15 25 01.23 51.401N 178.399W 33km
4.9mb (66 obs.) 4.6Msz (4 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 30S, 40C
Centroid Location:
Origin Time 15:25: 4.4 0.8
Lat 51.34N 0.06 Lon 178.07W 0.12
Dep 28.2 4.4 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.42 Plg=65 Azm=314
N 0.17 8 62
P -6.58 24 156
Best Double Couple:Mo=6.5*10**16
NP1:Strike=263 Dip=23 Slip= 112
NP2: 59 69 81

24 17 57 01.31 27.153S 176.457W 33km
5.3mb (38 obs.) 5.4Msz (29 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 58S,108C
Centroid Location:
Origin Time 17:57: 6.5 0.2
Lat 26.99S 0.02 Lon 176.04W 0.02
Dep 20.4 1.2 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.64 Plg=69 Azm=299
N 0.33 5 196
P -2.97 21 104
Best Double Couple:Mo=2.8*10**17
NP1:Strike=185 Dip=25 Slip= 78
NP2: 18 66 96

24 22 36 34.19 5.902S 154.492E 25km
5.8mb (59 obs.) 6.1Msz (30 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=140 Dip=55 Slip= 90
NP2: 320 35 90
Principal Axes:
T Plg=80 Azm= 50
P 10 230
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 12 Focal mech. F
Energy 3.8±0.8*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 40 No. of sta: 38
Principal Axes:
Scale 10**18 Nm
T Val= 2.05 Plg=79 Azm=171
N -0.06 10 325
P -1.99 5 56
Best Double Couple:Mo=2.0*10**18
NP1:Strike=156 Dip=41 Slip= 105
NP2: 317 50 77
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 76S,169C M.W.: 30S, 37C
Centroid Location:
Origin Time 22:36:42.5 0.1
Lat 6.10S 0.01 Lon 154.37E 0.01
Dep 52.4 0.5 Half-duration 3.6
Principal Axes:
Scale 10**18 Nm
T Val= 1.58 Plg=87 Azm=351
N 0.04 2 133
P -1.62 2 223
Best Double Couple:Mo=1.6*10**18
NP1:Strike=316 Dip=43 Slip= 93
NP2: 131 47 87

25 10 27 29.99 55.307N 157.561W 33km
5.0mb (71 obs.) 4.4Msz (5 obs.)
ALASKA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 19S, 26C
Centroid Location:
Origin Time 10:27:30.5 1.0
Lat 55.10N 0.14 Lon 157.44W 0.16
Dep 30.6 8.0 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 4.90 Plg=62 Azm=345
N -0.82 8 240
P -4.08 27 146
Best Double Couple:Mo=4.5*10**16
NP1:Strike=218 Dip=19 Slip= 66
NP2: 63 72 98

25 19 00 34.04 26.975S 176.548W 52km
5.2mb (26 obs.) 5.7Msz (35 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 69S,126C
Centroid Location:
Origin Time 19:00:35.2 0.2
Lat 27.01S 0.02 Lon 175.84W 0.02
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.58 Plg=60 Azm=282
N 0.33 2 189
P -4.91 30 97
Best Double Couple:Mo=4.7*10**17
NP1:Strike=180 Dip=15 Slip= 81
NP2: 9 75 92

26 01 12 48.68 5.969S 154.467E 81km
5.1mb (19 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 24S, 33C
Centroid Location:
Origin Time 01:12:48.9 0.5
Lat 6.01S 0.06 Lon 154.32E 0.05
Dep 62.6 4.3 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.63 Plg=83 Azm=269
N -0.23 3 154
P -5.40 6 63
Best Double Couple:Mo=5.5*10**16
NP1:Strike=150 Dip=39 Slip= 85
NP2: 336 51 94

26 05 16 50.63 26.961S 176.538W 47km
5.1mb (20 obs.) 5.2Msz (7 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 49S, 78C
Centroid Location:
Origin Time 05:16:52.8 0.3
Lat 27.01S 0.03 Lon 175.74W 0.03
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.73 Plg=64 Azm=296
N 0.08 4 197
P -1.81 25 105
Best Double Couple:Mo=1.8*10**17
NP1:Strike=185 Dip=20 Slip= 77
NP2: 19 71 95

26 07 00 45.09 36.147N 71.255E 106km
5.2mb (105 obs.)
AFGHANISTAN-TAJIKISTAN BORD REG.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 26S, 31C
Centroid Location:
Origin Time 07:00:49.7 0.5
Lat 36.24N 0.08 Lon 71.53E 0.07
Dep 106.0 4.5 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.41 Plg=52 Azm=241
N 0.57 31 22
P -7.98 19 125
Best Double Couple:Mo=7.7*10**16
NP1:Strike=254 Dip=38 Slip= 148
NP2: 10 71 57

27 01 07 03.95 14.410N 92.911W 65km
4.9mb (61 obs.) 4.9Msz (15 obs.)
NEAR COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 43S, 62C
Centroid Location:
Origin Time 01:07: 2.8 0.2
Lat 14.25N 0.03 Lon 93.26W 0.03
Dep 25.3 1.7 Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.36 Plg=63 Azm= 30
N -0.35 1 298
P -2.01 27 207
Best Double Couple:Mo=2.2*10**17
NP1:Strike=294 Dip=18 Slip= 86
NP2: 118 72 91

27 16 24 17.70 27.261S 176.562W 103km
4.8mb (12 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 34S, 54C
Centroid Location:
Origin Time 16:24:16.5 0.9
Lat 26.89S 0.06 Lon 176.20W 0.07
Dep 40.2 3.7 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.82 Plg=68 Azm=323
N 0.95 7 216
P -9.77 21 123
Best Double Couple:Mo=9.3*10**16
NP1:Strike=201 Dip=25 Slip= 73
NP2: 39 67 97

27 16 24 48.30 14.248N 91.720W 56km
5.1mb (89 obs.)
GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 39S, 64C
Centroid Location:
Origin Time 16:24:50.7 0.3
Lat 14.10N 0.03 Lon 92.21W 0.03
Dep 68.1 2.9 Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.98 Plg=25 Azm=230
N -0.45 26 127
P -1.53 53 357
Best Double Couple:Mo=1.8*10**17
NP1:Strike= 2 Dip=31 Slip= -31
NP2: 119 75 -117

27 18 34 50.60 2.303S 138.843E 39km
5.8mb (58 obs.) 5.0Msz (7 obs.)
IRIAN JAYA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 50S, 70C
Centroid Location:
Origin Time 18:34:53.5 0.3
Lat 2.19S 0.03 Lon 139.07E 0.03
Dep 37.3 2.3 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.45 Plg=66 Azm=346
N -0.12 24 150
P -1.32 6 242
Best Double Couple:Mo=1.4*10**17
NP1:Strike=356 Dip=44 Slip= 125
NP2: 132 55 61

27 20 16 52.17 4.434S 134.476E 22km
6.2mb (61 obs.) 6.8Msz (55 obs.)
IRIAN JAYA REGION, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=150 Dip=83 Slip= 151
NP2: 244 61 8
Principal Axes:
T Plg=25 Azm=103
P 15 200
Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 11 Focal mech. F
Energy 1.3±0.4*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 26 No. of sta: 22
Principal Axes:
Scale 10**19 Nm
T Val= 1.25 Plg=28 Azm= 66
N 0.01 12 330
P -1.26 60 219
Best Double Couple:Mo=1.3*10**19
NP1:Strike=184 Dip=20 Slip= -54
NP2: 327 74 -102
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 78S,194C M.W.: 62S,145C
Centroid Location:
Origin Time 20:17: 5.2 0.1
Lat 4.37S 0.01 Lon 134.39E 0.01
Dep 15.0 FIX Half-duration 6.6
Principal Axes:
Scale 10**19 Nm
T Val= 1.63 Plg=18 Azm=102
N 0.30 46 352
P -1.93 38 207
Best Double Couple:Mo=1.8*10**19
NP1:Strike=237 Dip=49 Slip= -16
NP2: 338 78 -138

28 10 12 34.53 47.661N 151.944E 33km
4.9mb (54 obs.) 4.6Msz (2 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 15S, 28C
Centroid Location:
Origin Time 10:12:38.7 1.4
Lat 48.07N 0.12 Lon 151.63E 0.12
Dep 54.2 6.9 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.37 Plg= 5 Azm=225
N 0.57 78 341
P -5.94 11 134
Best Double Couple:Mo=5.7*10**16
NP1:Strike=270 Dip=79 Slip=-176
NP2: 179 86 -11

28 10 37 29.95 43.977N 148.139E 54km
5.1mb (96 obs.)
EAST OF KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 53S,103C
Centroid Location:
Origin Time 10:37:33.0 0.2
Lat 44.00N 0.02 Lon 148.29E 0.03
Dep 47.5 1.7 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.37 Plg=66 Azm=252
N 0.57 18 28
P -2.94 16 123
Best Double Couple:Mo=2.7*10**17
NP1:Strike=238 Dip=33 Slip= 124
NP2: 18 63 70

29 01 20 10.84 36.920N 71.635E 109km
5.2mb (102 obs.)
AFGHANISTAN-TAJIKISTAN BORD REG.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 21S, 31C
Centroid Location:
Origin Time 01:20:15.4 0.7
Lat 37.17N 0.09 Lon 71.36E 0.06
Dep 130.2 4.2 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 12.54 Plg=35 Azm= 72
N -3.31 52 228
P -9.23 12 333
Best Double Couple:Mo=1.1*10**17
NP1:Strike=107 Dip=56 Slip= 162
NP2: 207 75 35

29 03 11 22.67 47.388N 122.365W 17km
5.1mb (73 obs.) 4.5Msz (7 obs.)
WASHINGTON
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 14S, 15C
Centroid Location:
Origin Time 03:11:27.3 1.5
Lat 47.35N 0.15 Lon 121.53W 0.26
Dep 17.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 4.74 Plg=76 Azm=208
N -0.48 5 319
P -4.26 13 50
Best Double Couple:Mo=4.5*10**16
NP1:Strike=147 Dip=32 Slip= 100
NP2: 316 58 84

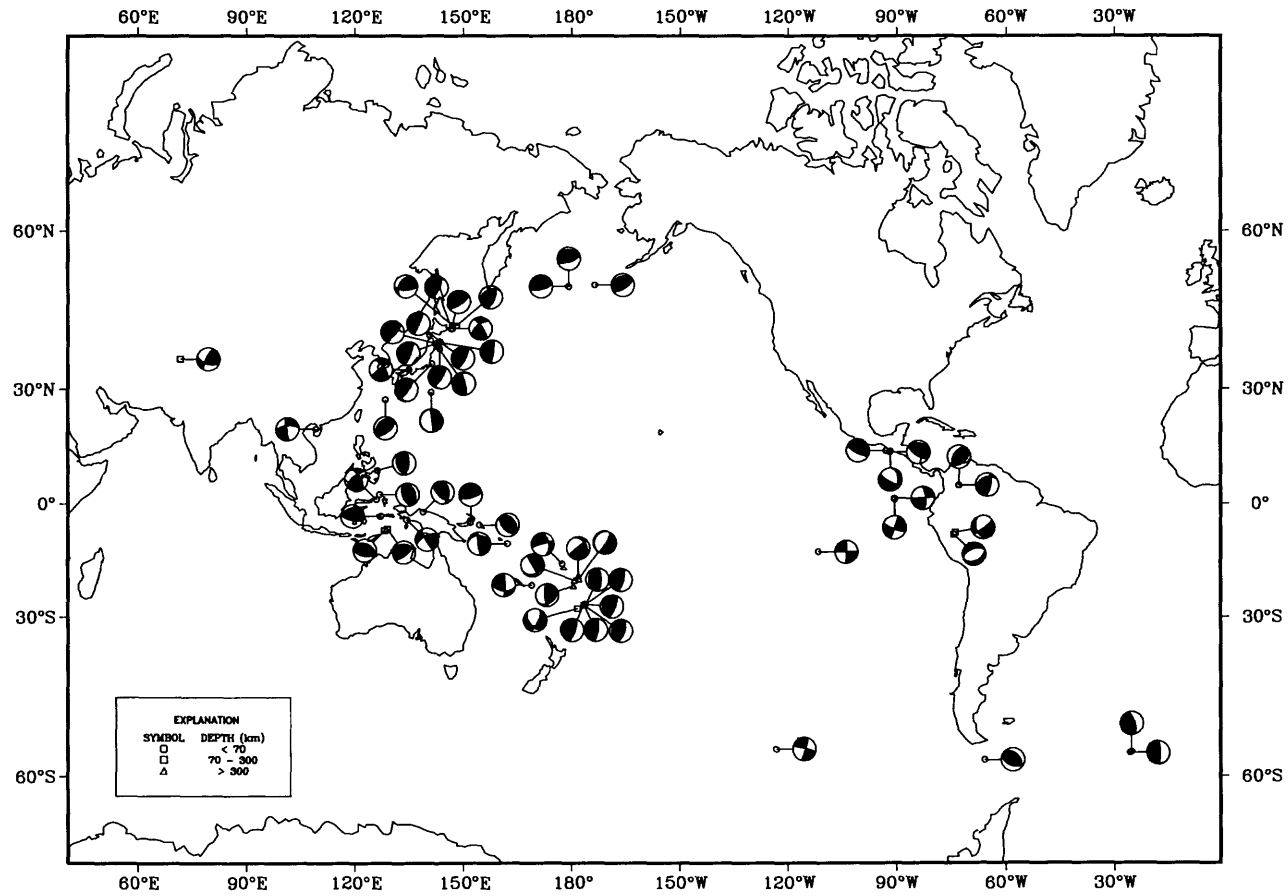
29 04 16 56.97 39.830N 40.657E 31km
4.9mb (51 obs.) 4.8Msz (21 obs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 22S, 36C
Centroid Location:
Origin Time 04:16:59.2 0.6
Lat 40.04N 0.07 Lon 40.17E 0.07
Dep 33.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.65 Plg=14 Azm= 74
N -2.01 70 299
P -6.64 13 168
Best Double Couple:Mo=7.7*10**16
NP1:Strike=211 Dip=70 Slip= 1
NP2: 121 89 160

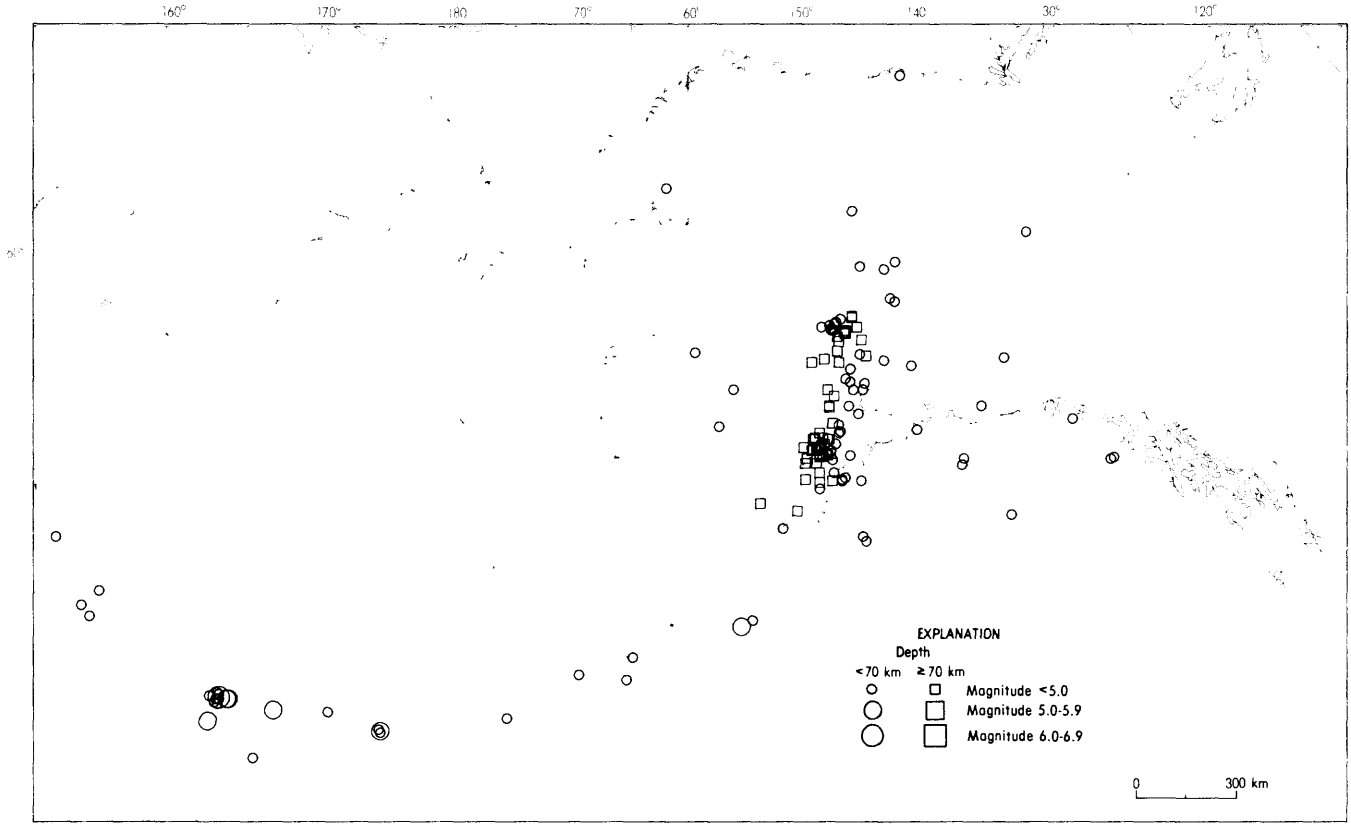
29 04 53 37.73 29.278N 141.150E 67km
5.6mb (125 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 59S,115C
Centroid Location:
Origin Time 04:53:41.1 0.2
Lat 29.26N 0.02 Lon 141.27E 0.03
Dep 87.8 2.3 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.25 Plg=39 Azm= 84
N -0.09 1 353
P -3.16 51 263
Best Double Couple:Mo=3.2*10**17
NP1:Strike=179 Dip= 6 Slip= -85
NP2: 353 84 -91

31 06 40 26.88 1.293S 127.546E 33km
5.4mb (41 obs.)
HALMAHERA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GSN
L.P.B.: 31S, 41C
Centroid Location:
Origin Time 06:40:27.6 0.5
Lat 1.13S 0.06 Lon 127.81E 0.05
Dep 42.0 4.3 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.42 Plg= 2 Azm=295
N -0.81 9 205
P -5.60 81 35
Best Double Couple:Mo=6.0*10**16
NP1:Strike= 35 Dip=44 Slip= -77
NP2: 196 47 -103

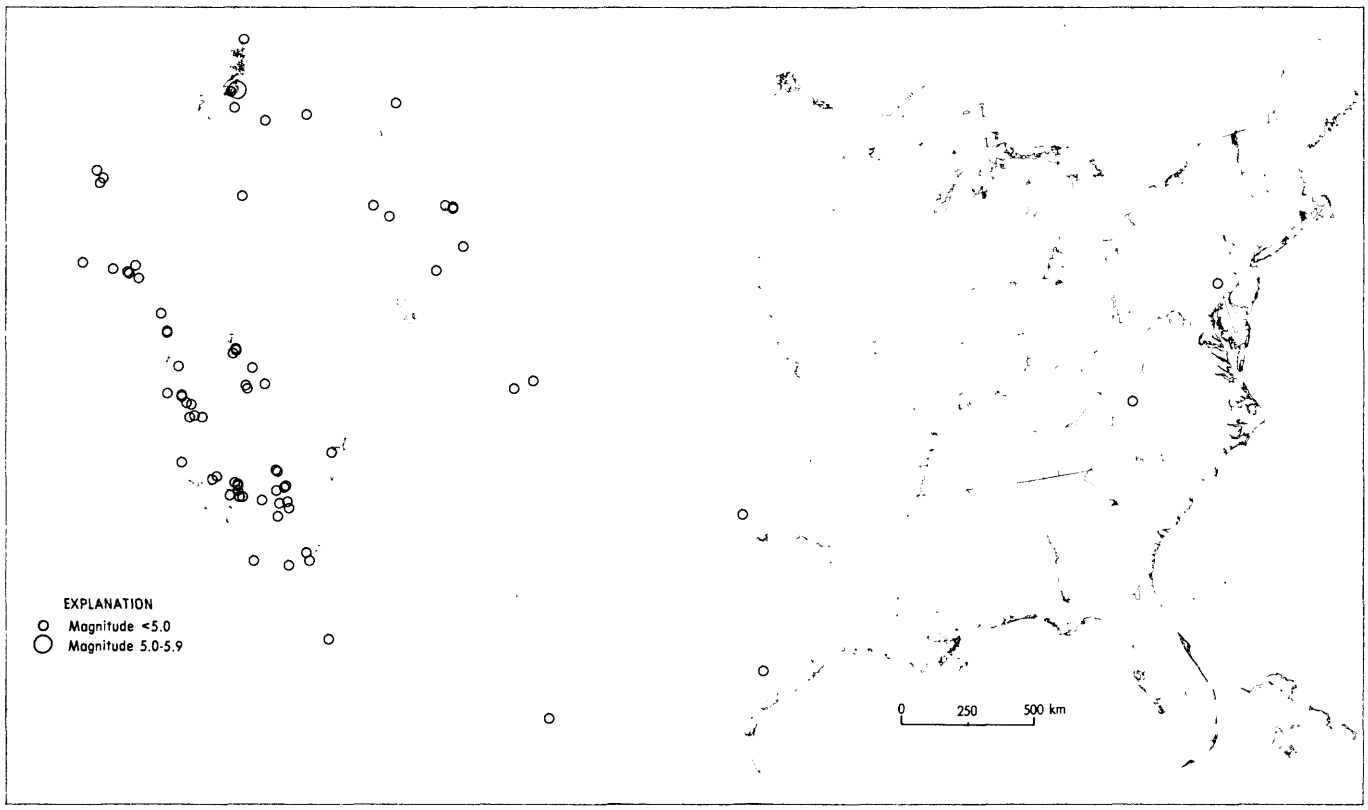
Compiled by Francis W. Baldwin, Pamela J. Benfield, Pingsheng Chang, George L. Choy, Willis S. Jacobs, Stuart K. Koyanagi, Christina K. LaVonne, John H. Minsch, Waverly J. Person, Bruce W. Presgrave, William H. Schmieder, Stuart A. Sipkin and Madeleine D. Zirbes.

Earthquake Focal Mechanisms for January 1995

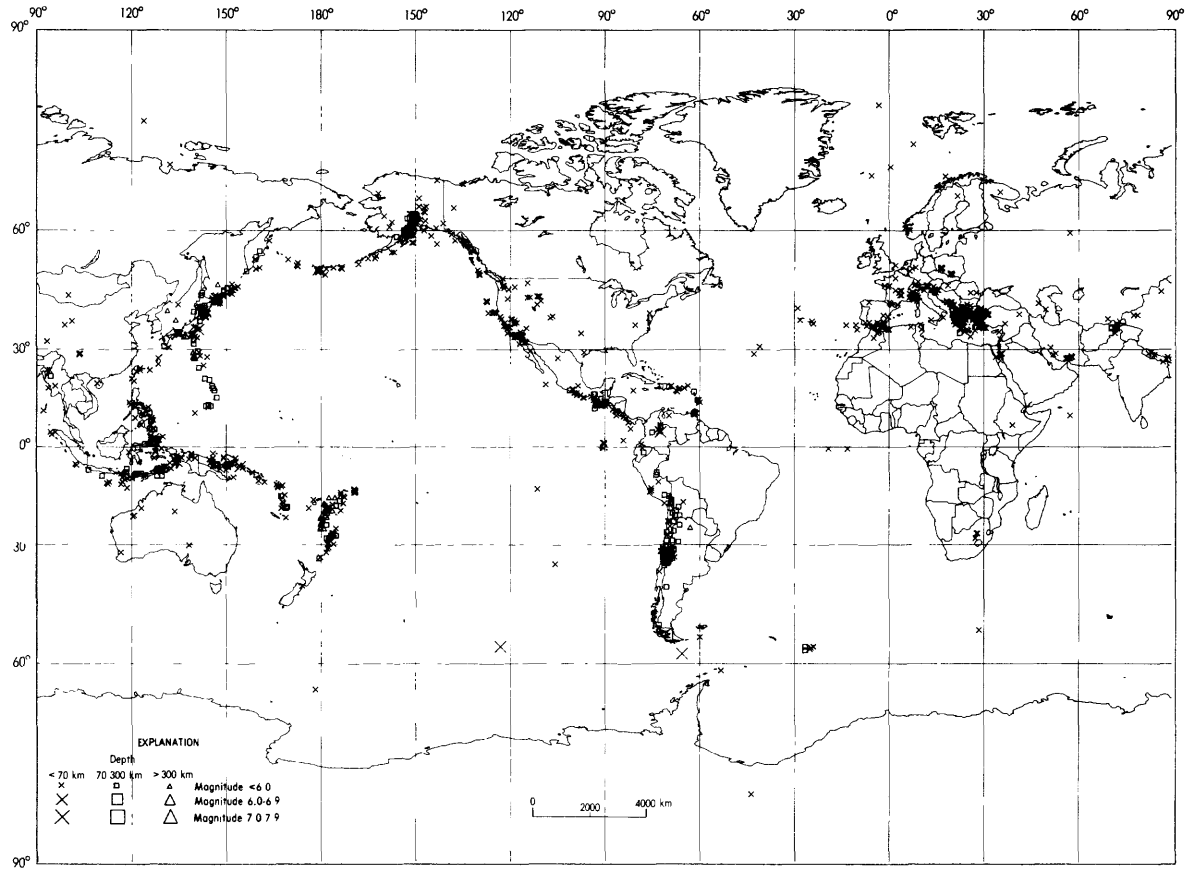




Earthquake epicenters in Alaska and adjacent regions for January, 1995



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



Earthquakes located in January , 1995

SIGNIFICANT EARTHQUAKES OF THE WORLD, 1994

Earthquakes of magnitude 6.5 or greater or ones that caused fatalities, injuries or substantial damage.
BRK--Berkeley. PAS--Pasadena.

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 03	05 52 27.6	36.028 N	100.104 E	8 G	5.8	5.5	1.0	385	QINGHAI, CHINA. Mw 5.7 (GS), 5.7 (HRV). Mo=4.2*10**17 Nm (GS). Mo=4.3*10**17 Nm (HRV). Five people injured and at least 56 houses damaged in the Gonghe area. Felt at Xining and Lanzhou.
JAN 10	15 53 50.1	13.339 S	69.446 W	596 G	6.4		1.0	601	PERU-BOLIVIA BORDER REGION. Mw 6.9 (GS), 6.9 (HRV). mb 6.4 (BRK). Mo=2.6*10**19 Nm (GS). Mo=2.5*10**19 Nm (HRV). Mo=1.7*10**19 Nm (PPT). Felt (III) at Arequipa, Peru and (II) at La Paz, Bolivia.
JAN 17	12 30 55.3&	34.213 N	118.537 W	18	6.4	6.8		696	SOUTHERN CALIFORNIA. <PAS-P>. Mw 6.7 (GS), 6.7 (HRV), 6.7 (PAS). ML 6.7 (BRK). Mo=1.2*10**19 Nm (BRK). Mo=1.2*10**19 Nm (GS). Mo=1.2*10**19 Nm (HRV). Mo=3.6*10**19 Nm (PPT). Sixty people were killed, more than 7,000 injured, 20,000 homeless and more than 40,000 buildings damaged in Los Angeles, Ventura, Orange and San Bernardino Counties. Severe damage occurred in the San Fernando Valley: maximum intensities of (IX) were observed in and near Northridge and in Sherman Oaks. Lesser, but still significant damage occurred at Fillmore, Glendale, Santa Clarita, Santa Monica, Simi Valley and in western and central Los Angeles. Damage was also sustained to Anaheim Stadium. Collapsed overpasses closed sections of the Santa Monica Freeway, the Antelope Valley Freeway, the Simi Valley Freeway and the Golden State Freeway. Fires caused additional damage in the San Fernando Valley and at Malibu and Venice. Preliminary estimates of damage are between 13 and 20 billion U.S. dollars. Felt throughout much of southern California and as far away as Turlock, California; Las Vegas, Nevada; Richfield, Utah and Ensenada, Mexico. The maximum recorded acceleration exceeded 1.0g at several sites in the area with the largest value of 1.8g recorded at Tarzana, about 7 km south of the epicenter. A maximum uplift of about 15 cm occurred in the Santa Susana Mountains and many rockslides occurred in mountain areas, blocking some roads. Some ground cracks were observed at Granada Hills and in Potrero Canyon. Some liquefaction occurred at Simi Valley and in some other parts of the Los Angeles Basin.
JAN 17	23 33 30.6&	34.326 N	118.698 W	10	5.7	5.9		324	SOUTHERN CALIFORNIA. <PAS-P>. Mw 5.9 (GS), 5.9 (HRV). ML 5.6 (PAS). Mo=6.7*10**17 Nm (GS). Mo=7.0*10**17 Nm (HRV). Mo=2.9*10**18 Nm (PPT). Mo=1.0*10**18 Nm (BRK). Additional damage in the epicentral area.
JAN 19	01 53 34.9	3.176 S	135.970 E	23 G	6.1	6.8	1.2	283	IRIAN JAYA REGION, INDONESIA. Mw 6.7 (GS), 6.8 (HRV). Ms 6.7 (BRK). Mo=1.4*10**19 Nm (GS). Mo=1.5*10**19 Nm (HRV). Mo=2.2*10**19 Nm (PPT). Felt at Biak, Nabire and Timuka.
JAN 21	02 24 29.9	1.015 N	127.733 E	20 G	6.2	7.2	1.2	260	HALMAHERA, INDONESIA. Mw 7.0 (GS), 7.0 (HRV). Ms 7.3 (BRK). Mo=3.2*10**19 Nm (GS). Mo=3.2*10**19 Nm (HRV). Mo=2.0*10**19 Nm (OBN). Mo=8.4*10**19 Nm (PPT). Seven people killed, 40 injured and 550 houses damaged in the Kau area. Felt strongly at Ternate.
FEB 05	23 34 09.9	0.593 N	30.037 E	14 G	5.8	6.0	1.1	413	UGANDA. Mw 6.2 (GS), 6.2 (HRV). Mo=2.0*10**18 Nm (GS). Mo=2.1*10**18 Nm (HRV). Mo=1.1*10**18 Nm (PPT). At least two people killed, several injured and most buildings damaged in the Fort Portal area. Two people killed and one injured by a landslide at Kasese. Felt at Kampala and in eastern Zaire.
FEB 11	21 17 31.1	18.773 S	169.169 E	206 G	6.4		1.2	576	VANUATU ISLANDS. Mw 6.9 (GS), 6.8 (HRV). mb 6.8 (BRK). Mo=2.8*10**19 Nm (GS). Mo=2.1*10**19 Nm (HRV). Mo=3.4*10**19 Nm (PPT).
FEB 12	04 16 26.8	10.786 S	128.798 W	15 G	6.3	6.6	1.3	373	SOUTH PACIFIC OCEAN. Mw 6.0 (GS), 6.7 (HRV). Ms 6.6 (BRK). Mo=1.0*10**18 Nm (GS). Mo=1.1*10**19 Nm (HRV). Mo=1.3*10**19 Nm (PPT).
FEB 12	17 06 58.1	32.056 N	130.577 E	31 D	4.8	5.3	1.1	87	KYUSHU, JAPAN. Mw 5.4 (HRV). Mo=1.5*10**17 Nm (HRV). One person slightly injured at Okuchi. Felt (IV JMA) at Akune and Hitoyoshi; (III JMA) at Kagoshima and Makurazaki. Also felt (IV JMA) at Ushibuka, Shimo-jima.
FEB 12	17 58 23.9	20.553 S	169.361 E	28 G	6.4	7.1	1.0	536	VANUATU ISLANDS. Mw 7.0 (GS), 7.0 (HRV). Ms 7.2 (BRK). Mo=3.6*10**19 Nm (GS). Mo=3.3*10**19 Nm (HRV). Mo=4.4*10**19 Nm (PPT). Felt at Port-Vila.
FEB 15	17 07 43.8	4.967 S	104.302 E	23 G	5.9	7.0	1.3	360	SOUTHERN SUMATERA, INDONESIA. Mw 6.6 (GS), 6.9 (HRV). Ms 6.8 (BRK). Mo=1.0*10**19 Nm (GS). Mo=2.2*10**19 Nm (HRV). Mo=5.1*10**19 Nm (PPT). At least 207 people killed, more than 2,000 injured, 75,000 homeless and extensive damage from landslides, mudslides and fires in Lampung Province. Much of the damage and loss of life occurred in the Liwa area. At least 6,000 homes, shops and government buildings were damaged or destroyed from landslides in the Liwa area. Damage estimated to be about 169 million U.S. dollars. Felt throughout much of southern Sumatera and parts of western Jawa. Felt at Jakarta and in Singapore.
FEB 15	21 11 56.4	20.399 S	168.866 E	20 G	5.7	6.4	1.3	211	LOYALTY ISLANDS. Mw 6.4 (GS), 6.5 (HRV). Ms 6.5 (BRK). Mo=3.9*10**18 Nm (GS). Mo=5.9*10**18 Nm (HRV). Mo=7.7*10**18 Nm (PPT).
FEB 16	06 48 58.0*	18.991 S	168.134 E	13 G	5.9	6.4	1.4	55	VANUATU ISLANDS. Mw 6.4 (GS), 6.4 (HRV). Ms 6.5 (BRK). Mo=3.8*10**18 Nm (GS). Mo=4.0*10**18 Nm (HRV). Mo=7.0*10**18 Nm (PPT).

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
FEB 23	08 02 04.7	30.853 N	60.596 E	6 G	6.1	6.1	1.0	510	NORTHERN IRAN. Mw 6.0 (GS), 6.1 (HRV). Mo=1.2*10**18 Nm (GS). Mo=1.7*10**18 Nm (HRV). Mo=5.0*10**18 Nm (PPT). Six people killed and many injured in the Sistan region.
MAR 01	03 49 00.8	29.096 N	52.617 E	13 G	5.8	6.0	1.1	407	SOUTHERN IRAN. Mw 6.0 (GS), 6.1 (HRV). Mo=1.0*10**18 Nm (GS). Mo=1.4*10**18 Nm (HRV). At least two people killed, fifty injured and damage in the Firuzabad area. Landslides blocked roads in the mountainous region of Fars Province. Felt at Mamasani and Fasa.
MAR 02	03 38 03.8	19.803 N	72.799 W	59 D	5.2	5.0	1.1	245	HAITI REGION. Mw 5.4 (HRV). Ms 5.1 (BRK). Mo=1.6*10**17 Nm (HRV). Four people killed and damage to houses in the St. Luis du Nord area. Felt (V) at Dajabon, Mao and Villa Vasquez; (IV) at Santiago; (III) at Santo Domingo, Dominican Republic. Felt in eastern Cuba as far west as Santiago de Cuba and Holguin.
MAR 09	23 28 06.7	18.039 S	178.413 W	563 G	6.6		1.0	655	FIJI ISLANDS REGION. Mw 7.5 (GS), 7.6 (HRV). Mo=2.3*10**20 Nm (GS). Mo=3.1*10**20 Nm (HRV). Mo=3.4*10**20 Nm (PPT). Felt at Suva and Lautoka, Viti Levu.
MAR 14	04 30 15.7	1.278 S	23.569 W	10 G	6.2	6.4	1.4	220	CENTRAL MID-ATLANTIC RIDGE. Mw 7.0 (GS), 7.0 (HRV). Ms 6.3 (BRK). Mo=3.7*10**19 Nm (GS). Mo=4.1*10**19 Nm (HRV). Mo=4.7*10**19 Nm (PPT).
MAR 14	20 51 24.9	15.994 N	92.428 W	164 G	5.8	6.2	1.2	502	MEXICO-GUATEMALA BORDER REGION. Mw 6.9 (GS), 6.9 (HRV). MD 6.2 (SSS). Ms 6.1 (BRK). Mo=2.4*10**19 Nm (GS). Mo=2.2*10**19 Nm (HRV). Mo=4.6*10**19 Nm (PPT). Slight damage at Tuxtla Gutierrez, Mexico. Felt at Coban, Guatemala City, Quezaltenango and San Marcos, Guatemala. Also felt at Mexico City, Mexico and (II) at San Salvador, El Salvador.
MAR 30	19 55 46.0	28.994 N	52.745 E	54 D	5.5		1.2	291	SOUTHERN IRAN. Mw 5.4 (HRV). Mo=1.6*10**17 Nm (HRV). At least thirty people were injured in the Firuzabad area. Felt in the Shiraz area.
MAR 31	22 40 52.1	22.057 S	179.533 W	580 G	6.1		0.9	491	SOUTH OF FIJI ISLANDS. Mw 6.5 (GS), 6.5 (HRV). Mo=7.2*10**18 Nm (GS). Mo=6.6*10**18 Nm (HRV). Mo=1.1*10**19 Nm (PPT).
APR 13	22 22 29.9	3.136 S	135.968 E	29 D	6.0	6.3	1.1	318	IRIAN JAYA REGION, INDONESIA. Mw 6.3 (GS), 6.5 (HRV). Ms 6.4 (BRK). Mo=3.1*10**18 Nm (GS). Mo=5.8*10**18 Nm (HRV). Mo=1.5*10**19 Nm (PPT). Felt in the Enarotali and Nabire areas.
APR 18	17 29 54.1	6.470 S	154.934 E	26 G	6.6	6.7	1.2	543	SOLOMON ISLANDS. Mw 6.7 (GS), 6.7 (HRV). Ms 6.8 (BRK). Mo=1.4*10**19 Nm (GS). Mo=1.4*10**19 Nm (HRV). Mo=1.0*10**19 Nm (PPT). Felt strongly on Bougainville and (IV) at Rabaul, Papua New Guinea. Felt on Choiseul, Santa Isabel and at Honiara, Solomon Islands. Also felt on New Ireland.
APR 21	03 51 44.5	5.702 S	154.120 E	28 G	5.9	6.6	1.1	285	SOLOMON ISLANDS. Mw 6.7 (GS), 6.7 (HRV). Ms 6.9 (BRK). Mo=1.1*10**19 Nm (GS). Mo=1.2*10**19 Nm (HRV). Mo=1.2*10**19 Nm (PPT). Felt (VI) at Rabaul, Papua New Guinea.
APR 29	07 11 29.6	28.299 S	63.252 W	562 G	6.3		0.9	539	SANTIAGO DEL ESTERO PROV., ARG. Mw 6.9 (GS), 6.9 (HRV). mb 6.0 (BRK). Mo=2.5*10**19 Nm (GS). Mo=2.5*10**19 Nm (HRV). Mo=3.2*10**19 Nm (PPT).
MAY 10	06 36 28.3	28.501 S	63.096 W	601 G	6.4		1.0	601	SANTIAGO DEL ESTERO PROV., ARG. Mw 6.9 (GS), 6.9 (HRV). mb 6.2 (BRK). Mo=2.9*10**19 Nm (GS). Mo=2.8*10**19 Nm (HRV). Mo=3.4*10**19 Nm (PPT). Felt (IV) at La Rioja and (II) at Mendoza. Felt (II) at Arequipa, Peru.
MAY 11	08 18 15.6	2.008 S	99.770 E	21 G	6.0	6.3	1.0	455	SOUTHERN SUMATERA, INDONESIA. Mw 6.5 (GS), 6.4 (HRV). Ms 6.0 (BRK). Mo=5.7*10**18 Nm (GS). Mo=5.3*10**18 Nm (HRV). Minor damage at Padang. Felt in central Sumatera, Singapore and southern Malaysia.
MAY 13	20 12 27.8	7.972 N	123.189 E	33 N	5.6	5.6	1.4	147	MINDANAO, PHILIPPINE ISLANDS. Mw 5.9 (HRV). Mo=8.7*10**17 Nm (HRV). Three people injured and 43 houses damaged in the Pagadian-Cotabato-Cagayan de Oro area.
MAY 24	04 00 42.1	23.959 N	122.448 E	16 G	6.2	6.7	1.2	437	TAIWAN REGION. Mw 6.6 (GS), 6.5 (HRV). Ms 6.3 (BRK). Mo=7.8*10**18 Nm (GS). Mo=6.6*10**18 Nm (HRV). Mo=8.6*10**18 Nm (PPT). Felt (IV JMA) at Su-ao, (III JMA) at Taipei, Chia-i and Hua-lien; (II JMA) at Tai-nan, Tai-chung and Tai-tung. Felt (III JMA) on Yonaguni-jima and Iriomote-jima; (II JMA) on Ishigaki-shima, Ryukyu Islands.

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
MAY 25	04 03 41.2	4.199 S	135.489 E	33 N	6.0	6.4	1.2	234	IRIAN JAYA REGION, INDONESIA. Mw 6.5 (GS), 6.5 (HRV). Ms 6.6 (BRK). Mo=7.4*10**18 Nm (GS). Mo=5.4*10**18 Nm (HRV). Mo=1.9*10**19 Nm (PPT). Several buildings damaged in the Paniai District. Felt (IV) at Nabire and in the Tembagapura area; (III) at Enarotali and Timika. Landslides occurred in the epicentral area.
MAY 26	08 26 52.4	35.305 N	4.103 W	10 G	5.7	5.8	1.2	416	STRAIT OF GIBRALTAR. Mw 6.0 (GS), 6.0 (HRV). mbLg 5.7 (MDD). Ms 5.5 (BRK). Mo=9.7*10**17 Nm (GS). Mo=1.0*10**18 Nm (HRV). One person injured and several buildings damaged at Al Hoceima, Morocco. Felt at Fes, Meknes, Nador, Sefrou, Tanger, Taza and Tetouan, Morocco.
MAY 29	14 11 50.9	20.556 N	94.160 E	36	6.2	6.2	1.0	564	MYANMAR. Mw 6.4 (GS), 6.5 (HRV). Ms 5.9 (BRK). Mo=4.2*10**18 Nm (GS). Mo=6.5*10**18 Nm (HRV). Mo=4.8*10**18 Nm (PPT). Felt at Chiang Mai, Thailand.
MAY 31	17 41 55.5	7.414 N	72.033 W	12 G	6.3	5.6	0.9	487	NORTHERN COLOMBIA. Mw 5.9 (GS), 6.0 (HRV). Ms 5.4 (BRK). Mo=9.1*10**17 Nm (GS). Mo=1.2*10**18 Nm (HRV). Mo=3.9*10**18 Nm (PPT). One person injured and some damage in the epicentral region. Felt throughout much of northern Colombia. Felt at Arauca, Bogota, Bucaramanga, Cucuta, Ibague, Manizales, Tunja, Sincelejo, Sogamoso and Villavicencio. Also felt at Caracas, Venezuela.
JUN 02	18 17 34.0	10.477 S	112.835 E	18	5.7	7.2	1.1	139	SOUTH OF JAWA, INDONESIA. Mw 7.8 (GS), 7.8 (HRV). Ms 6.8 (BRK). Mo=5.2*10**20 Nm (GS). Mo=5.3*10**20 Nm (HRV). Mo=2.5*10**20 Nm (PPT). At least 250 people killed, 27 missing, 423 injured and many left homeless. About 1,500 houses damaged or destroyed and 278 boats sunk or damaged. Most of the casualties and damage were caused by a tsunami along the southeast coast of Jawa. Tsunami runup of 500 meters occurred in some places. The quake was felt strongly across Bali, central and eastern Jawa, Lombok and Sumbawa Islands.
JUN 03	21 06 59.8	10.362 S	112.892 E	26 G	6.1	6.4	1.2	332	SOUTH OF JAWA, INDONESIA. Mw 6.3 (GS), 6.6 (HRV). Ms 6.3 (BRK). Mo=3.4*10**18 Nm (GS). Mo=8.8*10**18 Nm (HRV). Mo=1.6*10**19 Nm (PPT).
JUN 04	00 57 50.6	10.777 S	113.366 E	11 G	6.0	6.3	1.2	295	SOUTH OF JAWA, INDONESIA. Mw 6.2 (GS), 6.5 (HRV). Ms 6.0 (BRK). Mo=2.1*10**18 Nm (GS). Mo=5.8*10**18 Nm (HRV). Mo=1.2*10**19 Nm (PPT).
JUN 05	01 09 30.1	24.511 N	121.905 E	11 G	6.1	6.6	1.2	421	TAIWAN. Mw 6.4 (GS), 6.4 (HRV). Ms 6.1 (BRK). Mo=3.9*10**18 Nm (GS). Mo=3.8*10**18 Nm (HRV). Mo=5.2*10**18 Nm (PPT). One person killed at Chi-lung; two injured in the I-lan-Tai-pei area. Two-thirds of the houses were damaged in the Nan-ao area. Surface cracks were also observed in the area. Landslides blocked a highway between Su-ao and Hua-lien. Felt (V JMA) at Nan-ao; (IV JMA) at Hua-lien, Su-ao and Tai-pei; (III JMA) at Chia-i and Hsin-chu; (II JMA) at Tai-chung and Tai-nan. Also felt on Iriomote-jima, Ishigaki-shima and Yonaguni-jima, Japan.
JUN 06	20 47 40.5	2.917 N	76.057 W	12 G	6.4	6.6	1.1	582	COLOMBIA. Mw 6.7 (GS), 6.8 (HRV). Ms 6.3 (BRK). Mo=1.3*10**19 Nm (GS). Mo=1.8*10**19 Nm (HRV). Mo=4.7*10**19 Nm (PPT). At least 295 people killed, 500 missing, 13,000 homeless and severe damage caused to houses, highways and bridges by the earthquake and ensuing landslides in Cauca, Huila, Tolima and Valle Departments. At least 200 homes were destroyed, including 25 at Toribio and 15 at Piendamo. Moderate structural damage occurred at Bogota and Cali. An avalanche from the Huila Volcano blocked the Paez River causing severe flooding at Belalcazar and Neiva. Felt in much of west-central Colombia from Tunja to Pasto.
JUN 09	00 33 16.2	13.841 S	67.553 W	631 G	7.0		1.1	676	NORTHERN BOLIVIA. Mw 8.2 (GS), 8.2 (HRV). mb 7.4 (BRK). Mo=2.0*10**21 Nm (GS). Mo=2.6*10**21 Nm (HRV). Mo=8.5*10**20 Nm (PPT). Unconfirmed reports of five people killed in Peru; three in Arequipa Province by a landslide collapsing their house and two in Cuzco Province; one by falling debris and another by a heart attack. Numerous injuries and landslides occurred in southern Peru. Damage (VI) at La Paz. In Cochabamba, La Paz and Oruro, a large number of windows broke in tall buildings, and some structural damage occurred. Some minor structural damage also occurred at Brasilia, Campo Grande, Porto Velho and Manaus, Brazil; Arica, Chile and Tacna, Peru. Felt in many parts of South America, including most of Argentina, Bolivia and Brazil. Felt lightly in Uruguay. Felt (IV) at Arequipa, Moquegua, Puno and Tacna; (III) at Moyobamba, Rioja and Tarapoto, Peru. Felt (IV) at Arica, (III) at Iquique, (II) at Copiapo and (I) at Santiago, Chile. Felt (IV) at Guayaquil and (III) at Quito, Ecuador. Felt on Puerto Rico and in the Dominican Republic. Felt at many locations in North America, including Los Angeles, California; Renton, Washington; Omaha, Nebraska; Sioux City, Iowa; Minneapolis, Minnesota; La Crosse, Wisconsin; Chicago, Illinois; Parkersburg, West Virginia; Norwich, Connecticut; Boston, Massachusetts and Toronto, Canada. This is the first earthquake from this part of South America believed to have been felt in North America and is also believed to be the largest ever recorded in this general area.
JUN 10	06 25 57.8	41.527 N	88.710 E	0 G	5.8		0.9	388	SOUTHERN XINJIANG, CHINA. Probable underground nuclear explosion.
JUN 18	03 25 15.8	42.963 S	171.658 E	14 G	6.2	7.1	1.3	339	SOUTH ISLAND, NEW ZEALAND. Mw 6.7 (GS), 6.8 (HRV). Ms 7.1 (BRK). ML 6.5 (WEL). Mo=2.0*10**19 Nm (PPT). Mo=1.3*10**19 Nm (GS). Mo=1.5*10**19 Nm (HRV). Some structural damage (VI) at Christchurch. Landslides blocked Highway 73 between Arthur's Pass and Christchurch. Felt throughout South Island and the southern part of North Island.
JUN 20	09 09 02.9	28.968 N	52.614 E	9 G	5.9	5.7	1.1	468	SOUTHERN IRAN. Mw 5.8 (GS), 5.9 (HRV). Ms 5.9 (BRK). MD 5.8 (RYD). Mo=5.9*10**17 Nm (GS). Mo=8.1*10**17 Nm (HRV). At least three people killed and 100 injured in the Firuzabad-Shiraz area. Twelve villages destroyed and 50 others severely damaged in the Firuzabad-Shiraz area. Landslides blocked a road in the Zagros Mountains. Felt at Jahrom.

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 04	21 36 41.9	14.888 N	97.322 W	15 G	6.1	6.1	1.0	442	OFF COAST OF OAXACA, MEXICO. Mw 6.0 (GS), 6.5 (HRV). Mo=1.3*10**18 Nm (GS). Mo=5.4*10**18 Nm (HRV). Mo=1.5*10**19 Nm (PPT). Two people were killed in the city of Oaxaca by a stone wall that fell during the earthquake and several people were injured. Felt in the states of Guerrero, Oaxaca, Puebla and Veracruz. Also felt at Mexico City.
JUL 13	02 35 56.0	16.620 S	167.518 E	33 N	6.4	7.3	1.3	390	VANUATU ISLANDS. Mw 7.1 (GS), 7.2 (HRV). Ms 7.3 (BRK). Mo=5.1*10**19 Nm (GS). Mo=6.6*10**19 Nm (HRV). Mo=1.0*10**20 Nm (PPT). Felt (VI) at Port-Vila and (V) on Malakula. Also felt on Ambrym, Aoba, Efate, Epi, Erromango, Espiritu Santo, Maewo and Pentecost.
JUL 13	03 13 19.3	16.812 S	167.249 E	33 N	6.1		1.3	341	VANUATU ISLANDS. Mw 6.7 (HRV). Mo=1.1*10**19 Nm (HRV).
JUL 13	11 45 23.3	7.532 S	127.770 E	159 G	6.5		1.1	679	BANDA SEA. Mw 6.4 (GS), 6.5 (HRV). mb 6.8 (BRK). Mo=5.3*10**18 Nm (GS). Mo=6.1*10**18 Nm (HRV). Mo=9.0*10**18 Nm (PPT).
JUL 21	18 36 31.7	42.340 N	132.865 E	471 G	6.5		0.9	833	NEAR SOUTHEAST COAST OF RUSSIA. Mw 7.3 (GS), 7.3 (HRV). mb 6.6 (BRK). Mo=9.0*10**19 Nm (GS). Mo=1.1*10**20 Nm (HRV). Mo=5.4*10**19 Nm (PPT). Felt (III JMA) at Onahama and Tokyo; (II JMA) at Aomori, Sapporo, and Yokohama; (I JMA) at Tottori, Japan.
JUL 24	17 55 40.3	16.966 S	167.574 E	21 D	5.9	6.5	1.3	334	VANUATU ISLANDS. Mw 6.3 (GS), 6.4 (HRV). Ms 6.6 (BRK). Mo=3.3*10**18 Nm (GS). Mo=4.0*10**18 Nm (HRV). Mo=2.7*10**18 Nm (PPT).
JUL 25	22 00 22.9	56.362 S	27.365 W	81 G	6.3		1.2	287	SOUTH SANDWICH ISLANDS REGION. Mw 6.6 (GS). Mo=8.4*10**18 Nm (GS).
AUG 06	11 03 51.8	32.956 S	151.228 E	10 G	5.3		0.9	70	NEAR S.E. COAST OF AUSTRALIA. ML 5.4 (CNB). Considerable damage (VII) in the Cessnock area. Some structural damage (VI) at Newcastle. Felt (V) at Gosford and Wyong; (IV) at Forster and Taree; (III) at Albury, Narrabri, Sydney and Wodonga. Also felt at Canberra, Orange, Wollongong, and as far away as Alice Springs.
AUG 18	01 13 05.7	35.520 N	0.106 W	9 G	5.7	5.9	1.2	492	NORTHERN ALGERIA. Mw 5.9 (HRV). MD 5.4 (STR). mbLg 5.2 (MDD). Mo=6.9*10**17 Nm (HRV). At least 159 people were killed, 289 injured, 8,000 to 10,000 left homeless and thousands of houses destroyed in Mascara Province.
AUG 18	04 42 57.3	44.767 N	150.158 E	15 G	6.2	6.5	1.1	602	EAST OF KURIL ISLANDS. Mw 6.4 (GS), 6.6 (HRV). Ms 6.0 (BRK). Mo=4.7*10**18 Nm (GS). Mo=7.6*10**18 Nm (HRV). Mo=7.7*10**18 Nm (PPT).
AUG 19	10 02 51.8	26.642 S	63.421 W	564 G	6.4		0.9	615	SANTIAGO DEL ESTERO PROV., ARG. Mw 6.5 (GS), 6.5 (HRV). mb 6.0 (BRK). Mo=5.4*10**18 Nm (GS). Mo=5.6*10**18 Nm (HRV).Mo=8.5*10**18 Nm (PPT). Felt at Antofagasta, Chile.
AUG 28	18 37 20.6	44.783 N	150.061 E	19 G	6.1	6.6	1.2	502	EAST OF KURIL ISLANDS. Mw 6.6 (GS), 6.6 (HRV). Ms 6.3 (BRK). Mo=7.9*10**18 Nm (GS). Mo=8.4*10**18 Nm (HRV). Mo=3.4*10**19 Nm (OBN). Mo=1.2*10**19 Nm (PPT). Felt (IV) at Reydovoye.
SEP 01	07 11 53.4	26.447 S	27.405 E	5 G			0.9	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE). Three people killed and 13 injured at the Vaal Reefs gold mine.
SEP 01	15 15 53.0	40.402 N	125.680 W	10 G	6.6	7.0	1.0	624	OFF COAST OF NORTHERN CALIFORNIA. Mw 7.1 (GS), 7.0 (HRV), 6.9 (BRK). ML 6.8 (BRK). Mo=4.4*10**19 Nm (GS). Mo=3.9*10**19 Nm (HRV). Mo=5.4*10**19 Nm (PPT). Slight damage (VI) at Honeydew. Felt (V) at Arcata, Bayside, Blocksburg, Bridgeville, Comptche, Dos Rios, Douglas City, Eureka, Ferndale, Fields Landing, Fortuna, Garberville, Junction City, Lakehead, Manchester, Manila, McKinleyville, Mendocino, Miranda, Myers Flat, Petrolia, Phillipsville, Piercy, Project City, Rio Dell, Samoa, Westport, Whitethorn and Zenia. Felt in much of northern California as far south as Fresno. Also felt in parts of southern Oregon. Tsunami generated with maximum wave height of 14 cm. (peak-to-trough) at Crescent City.
SEP 01	16 12 40.7	41.183 N	21.196 E	14	5.8		1.2	441	NORTHWESTERN BALKAN REGION. ML 5.6 (TTG), 5.4 (ROM), 5.2 (SKO). MD 5.4 (ATH). Many people injured and some damage in the Bitola area. Felt (VII) in the Bitola-Ohrid area; (V) at Prilep; (III) at Gevgelija and Titov Veles. Felt strongly at Florina and Kastoria, Greece. Also felt in southwestern Bulgaria.
SEP 16	06 20 18.7	22.528 N	118.711 E	13 G	6.5	6.7	1.2	525	TAIWAN REGION. Mw 6.8 (GS), 6.7 (HRV). Mo=1.5*10**19 Nm (GS). Mo=1.2*10**19 Nm (HRV). Mo=8.6*10**18 Nm (PPT). One person killed, at least 400 people injured and structural damage in Fujian and Guangdong Provinces, China. Some houses damaged and ground cracks (IV JMA) observed on Peng-hu, Taiwan. Felt (III JMA) at Chia-i, Kao-hsiung and Tai-nan; (II JMA) at Heng-chun, Hua-lien, Tai-chung and Tai-pei, Taiwan. Felt (V) at Hong Kong. Also felt at Nanjing and Wuhan, China.
OCT 01	16 35 20.7	17.745 S	167.682 E	17 G	5.9	6.5	1.1	378	VANUATU ISLANDS. Mw 6.4 (GS), 6.5 (HRV). Ms 6.5 (BRK). Mo=4.6*10**18 Nm (GS). Mo=6.8*10**18 Nm (HRV). Mo=9.9*10**18 Nm (PPT).

DATE	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
OCT 04	13 22 55.8	43.773 N	147.321 E	14	7.3	8.1	0.9	672	KURIL ISLANDS. Mw 8.2 (GS), 8.3 (HRV). Ms 7.9 (BRK). Mo=2.0*10**21 Nm (GS). Mo=3.0*10**21 Nm (HRV). Mo=2.1*10**21 Nm (OBN). Mo=2.0*10**21 Nm (PPT). At least 10 people killed or missing, many injured and damage on Iturup. Considerable damage (IX) on Shikotan from the earthquake and tsunami. Damage also occurred on Kunashir. Felt (IV) at Kurilsk; (III) at Severo-Kurilsk and on Matua; (II) on Simushir. One person died from a heart attack, at least 200 people were injured and extensive damage and landslides occurred along the eastern coast of Hokkaido. Felt strongly in northern Honshu and as far south as the Tokyo area. Tsunami wave heights from selected tide stations (peak-to-trough) were as follows: 346 cm. at Hanasaki, 164 cm. at Kushiro, 26 cm. at Abashiri, Hokkaido; 144 cm. at Miyako, 130 cm. at Hachinohe, 92 cm. at Ofunato, 62 cm. at Onahama, 46 cm. at Omae-zaki, 42 cm. at Choshi, Honshu; 162 cm. on Chichi-shima; 300 cm. at Yuzhno-Kurilsk, Kunashir Island, 15 cm. on Shemya, 16 cm. at Pago Pago, American Samoa, 17 cm. on Wake Island, 50 cm. on Midway Island and 48 cm. at Hilo, Hawaii.
OCT 07	03 25 58.1	41.662 N	88.753 E	0 G	6.0		0.9	456	SOUTHERN XINJIANG, CHINA. Probable underground nuclear explosion.
OCT 08	21 44 07.2	1.258 S	127.980 E	17 G	6.4	6.8	1.2	260	HALMAHERA, INDONESIA. Mw 6.8 (GS), 6.8 (HRV). Ms 6.8 (BRK). Mo=1.9*10**19 Nm (GS). Mo=1.7*10**19 Nm (HRV). Mo=4.2*10**19 Nm (PPT). One person killed, 52 injured and nearly 500 buildings damaged on Obi. Also, some bridges and piers were damaged on Obi. Felt strongly on Ambon.
OCT 09	07 55 39.5	43.905 N	147.916 E	33 N	6.5	7.1	0.9	644	KURIL ISLANDS. Mw 7.1 (GS), 7.3 (HRV). Ms 6.7 (BRK). Mo=5.8*10**19 Nm (GS). Mo=9.4*10**19 Nm (HRV). Mo=1.2*10**20 Nm (PPT). Felt (VI) on Iturup. Felt (IV JMA) in the Kushiro area, Hokkaido. Tsunami wave heights (peak-to-trough) from tide stations were 18 cm. at Hanasaki and 6 cm. at Kushiro, Hokkaido.
OCT 13	05 04 24.9	1.212 S	127.912 E	11 G	6.1	6.3	1.3	269	HALMAHERA, INDONESIA. Mw 6.4 (GS), 6.4 (HRV). Mo=4.6*10**18 Nm (GS). Mo=5.1*10**18 Nm (HRV). Mo=1.2*10**19 Nm (PPT). Nineteen people injured and damage on Obi.
OCT 16	05 10 00.9	45.749 N	149.167 E	117 G	6.4		0.9	665	KURIL ISLANDS. Mw 6.7 (GS), 6.7 (HRV). mb 6.8 (BRK). Mo=1.3*10**19 Nm (GS). Mo=1.4*10**19 Nm (HRV). Mo=4.5*10**18 Nm (PPT). Felt (V) at Kurilsk and (IV) at Yuzhno-Kurilsk.
NOV 05	02 16 03.3	57.193 S	157.858 E	25 G	6.1	6.1	1.2	202	MACQUARIE ISLANDS REGION. Mw 6.5 (GS), 6.3 (HRV). Mo=6.9*10**18 Nm (GS). Mo=3.6*10**18 Nm (HRV). Mo=4.9*10**18 Nm (PPT).
NOV 14	19 15 30.6	13.525 N	121.067 E	32 G	6.1	7.1	1.1	411	MINDORO, PHILIPPINE ISLANDS. Mw 7.0 (GS), 7.1 (HRV). Ms 7.1 (BRK). Mo=3.2*10**19 Nm (GS). Mo=5.1*10**19 Nm (HRV). Mo=2.0*10**20 Nm (PPT). At least seventy-eight people killed and 225 injured on Luzon and Mindoro. A local tsunami contributed to extensive damage (VII RF) in the Calapan and Puerto Galera areas. More than 797 houses destroyed and 3,288 damaged on Mindoro. Seven houses destroyed at Batangas, Luzon. Liquefaction, sand boils and surface faulting occurred in the epicentral area. Felt (IV RF) at Batangas, Guinayangan, Manila and Tagaytay; (III RF) at Quezon City, Luzon. Also felt (II RF) on Masbate.
NOV 15	20 18 11.3	5.589 S	110.186 E	561 G	6.2		0.9	672	JAVA SEA. Mw 6.5 (GS), 6.5 (HRV). Mo=6.6*10**18 Nm (GS). Mo=6.4*10**18 Nm (HRV).
NOV 20	16 59 05.6	2.001 S	135.932 E	16 G	5.8	6.3	1.1	193	IRIAN JAYA REGION, INDONESIA. Mw 6.3 (GS), 6.3 (HRV). Ms 6.2 (BRK). Mo=3.6*10**18 Nm (GS). Mo=3.5*10**18 Nm (HRV). Mo=9.5*10**18 Nm (PPT). Twenty-eight people injured and many buildings damaged at Serui, Yapen. Felt strongly on Yapen. Also felt on Biak.
DEC 10	16 17 38.5	18.136 N	101.384 W	48 G	6.6	6.2	1.1	554	GUERRERO, MEXICO. Mw 6.5 (GS), 6.4 (HRV). Ms 5.7 (BRK). Mo=5.7*10**18 Nm (GS). Mo=5.2*10**18 Nm (HRV). Mo=1.2*10**19 Nm (PPT). Some damage at Mexico City and Zihuatanejo.
DEC 15	11 20 22.1	37.282 S	177.523 E	33 N	5.9	6.4	1.3	94	OFF E. COAST OF N. ISLAND, N.Z. Mw 6.5 (GS), 6.3 (HRV). ML 6.2 (WEL). Ms 6.4 (BRK). Mo=6.2*10**18 Nm (GS). Mo=3.3*10**18 Nm (HRV). Mo=9.3*10**18 Nm (PPT). Minor damage occurred at Opotiki. Felt strongly in the Bay of Plenty region. Felt in the northern and central parts of North Island.
DEC 28	12 19 23.0	40.525 N	143.419 E	27 G	6.4	7.5	1.1	470	OFF EAST COAST OF HONSHU, JAPAN. Mw 7.7 (GS), 7.8 (HRV). Ms 7.2 (BRK). Mo=4.3*10**20 Nm (GS). Mo=4.9*10**20 Nm (HRV). Mo=2.7*10**20 Nm (OBN). Mo=3.4*10**20 Nm (PPT). Three people killed, more than 200 injured and damage (VI JMA) in the Hachinohe area. Felt (V JMA) at Aomori, Morioka and Mutsu; (IV JMA) at Miyako and Ofunato; (III JMA) at Sendai. Felt (VI) at Misawa. Also felt (IV JMA) at Hakodate, Obihiro, Tomakomai and Urakawa; (III JMA) at Sapporo, Hokkaido. Felt as far away as Tokyo. Local tsunami generated with maximum wave heights (peak-to-trough) recorded at the following selected tide stations: 110 cm. at Miyako, 88 cm. at Hachinohe, 54 cm. at Ofunato, 10 cm. at Choshi, Honshu; 48 cm. at Urakawa, 36 cm. at Hakodate and Kushiro, Hokkaido.
DEC 30	06 56 16.8	38.179 N	39.670 E	10 G	4.7		1.5	36	TURKEY. Two people injured and some buildings slightly damaged in the Diyarbakir area.
DEC 31	02 57 20.8	20.524 N	109.330 E	33 N	5.7	5.3	0.9	181	SOUTHEASTERN CHINA. Mw 5.3 (HRV). Mo=1.1*10**17 Nm (HRV) At least 360 people injured in Guangdong and Guangxi Provinces and more than 1,100 houses damaged in Guangxi Province. Felt at Beihai, Guangzhou, Haikou, Nanning, Sanya and Zhanjiang. Also felt at Hong Kong.

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

Other Notable North American Earthquakes

JAN 16 00 42 43.2 40.327 N 76.007 W 5 G 4.2 0.8 24 PENNSYLVANIA. mbLg 4.0 (GS). Slight damage in the Reading area. Felt north as far as Allentown and south to Chester County.

JAN 16 01 49 16.2 40.330 N 76.037 W 5 G 4.6 0.9 53 PENNSYLVANIA. mbLg 4.6 (GS). Some damage in the Reading area. Felt (V) at Fleetwood, Hamburg and Wernersville; (IV) at Auburn, Bechtelsville, Bernville, Blue Ball, Conestoga, Denver, Douglassville, Ephrata, Exton, Gap, Honey Brook, Leola, Myerstown, Newmanstown, Orwigsburg, Parkesburg, Pequea, Pine Grove, Richland, Schaefferstown, Shoemakersville, Silver Spring, Temple and Willow Street. Felt throughout southeastern Pennsylvania and as far as Baltimore, Maryland and New York City. Also felt at Toronto, Canada.

JAN 29 11 20 35.9& 34.305 N 118.579 W 1 4.9 5.3 187 SOUTHERN CALIFORNIA. <PAS-P>. ML 5.1 (PAS), 5.4 (BRK). Additional damage in the Northridge area. Slight damage (VI) at Camarillo and Sunland. Felt (V) at Burbank, Chatsworth, Glendale, Montrose, North Hollywood, Ojai, Paramount, Sun Valley, Thousand Oaks, Tujunga, Ventura and Yorba Linda. Felt in Kern, Los Angeles, Orange, Riverside, Santa Barbara and Ventura Counties.

FEB 03 09 05 04.2 42.762 N 110.976 W 8 G 5.4 5.5 0.9 279 WYOMING. Mw 5.6 (GS), 5.8 (HRV). ML 5.8 (GS). Mo=1.0*10**18 Nm (BRK). Mo=2.9*10**17 Nm (GS). Mo=5.6*10**17 Nm (HRV). Some damage (VII) in the Afton-Auburn, Wyoming area and slight damage (VI) at Fairview, Wyoming. Felt (V) at Alpine, Bedford, Etna, Grover, Kemmerer and Smoot; (IV) at Big Piney, La Barge and Thayne, Wyoming. Also felt at Dubois, Evanston, Green River, Jackson and Rock Springs, Wyoming. Felt (V) at Bancroft, Bern, Dingle, Franklin, Geneva, Georgetown, Montpelier, Paris and Wayan; (IV) at Bloomington, Downey, Grace, Lava Hot Springs and Soda Springs; (III) at Idaho Falls and Pocatello, Idaho. Felt at Moab, Price, Sandy, Salt Lake City and Vernal, Utah. Also felt at Grand Junction and Hotchkiss, Colorado.

FEB 11 14 59 50.5 42.764 N 110.995 W 5 G 4.8 1.0 154 WYOMING. ML 5.3 (GS), 5.1 (BUT). Minor damage (VI) in the Afton-Auburn-Grover, Wyoming area. Felt (V) at Bedford and Smoot; (IV) at Etna, Fairview and Freedom; (III) at Thayne; (II) at Kemmerer, Wyoming. Also felt at Green River and Rock Springs, Wyoming. Felt (V) at Montpelier; (IV) at Bloomington, Dingle, Geneva, Georgetown, Irwin and Paris; (III) at Downey and Lava Hot Springs, Idaho. Felt (III) at Clearfield and Ogden, Utah. Also felt at Salt Lake City, Utah.

MAR 20 21 20 12.2& 34.231 N 118.475 W 13 5.2 4.8 232 SOUTHERN CALIFORNIA. <PAS-P>. Mw 5.3 (HRV). ML 5.3 (PAS), 5.3 (BRK). Mo=1.2*10**17 Nm (BRK). Mo=1.1*10**17 Nm (HRV). Minor damage (VI) at Burbank and in the San Fernando area. Felt (V) at Agoura Hills, Glendale, Huntington Park, La Crescenta, Los Alamitos, Monterey Park, Northridge, Oxnard, Paramount, Port Hueneme, Reseda, Santa Barbara, Santa Clarita, Sierra Madre, Sunland, Sun Valley, Tarzana, Topanga, Tujunga, Van Nuys, Westminster, Whittier and Woodland Hills. Felt in Los Angeles, Orange, San Bernardino, San Diego, Santa Barbara and Ventura Counties.

SEP 12 12 23 43.2& 38.819 N 119.652 W 14 5.4 5.7 347 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. Mw 6.1 (GS), 5.9 (HRV). MD 6.0 (GM). ML 6.0 (BRK), 6.0 (GS). Mo=7.1*10**17 Nm (BRK). Mo=1.4*10**18 Nm (GS). Mo=8.4*10**17 Nm (HRV). Slight damage (VI) at Gardnerville, Minden, Smith and Virginia City, Nevada. Also slight damage (VI) at Garden Valley, Kirkwood and Markleeville, California. Felt (V) in many areas of northern California and western Nevada including Placerville, Sacramento, South Lake Tahoe and Stockton, California as well as Fallon, Fernley, Reno, Washoe City and Wellington, Nevada. Felt as far as San Francisco and Fresno, California.

SEP 13 06 01 23.0 38.151 N 107.976 W 10 G 4.4 1.0 66 COLORADO. ML 4.6 (GS). Slight damage (VI) at Norwood. Felt strongly at Montrose. Felt (V) at Ophir, Placerville, Ridgway and Telluride; (IV) at Nucla, Olathe, Ouray, Redvale and Silverton; (III) at Cimarron, Crawford, Hotchkiss, Naturita, Paonia and Rico; (II) at Austin and Somerset. Felt as far as Grand Junction, Colorado and Moab, Utah.

OCT 27 17 45 58.0 43.515 N 127.427 W 20 G 5.6 6.0 1.2 239 OFF COAST OF OREGON. Mw 6.3 (GS), 6.3 (HRV). Mo=3.2*10**18 Nm (BRK). Mo=3.3*10**18 Nm (GS). Mo=3.5*10**18 Nm (HRV).

DEC 26 14 10 29.1& 40.741 N 124.310 W 23 5.1 5.0 170 NEAR COAST OF NORTHERN CALIF. <GM-P>. Mw 5.5 (HRV). MD 5.3 (GM). ML 5.3 (BRK). Mo=1.5*10**17 Nm (BRK). Mo=2.1*10**17 Nm (HRV). Some damage (VII) at Eureka and Samoa. Slight damage (VI) at Arcata, Blue Lake, Fields Landing, Fortuna and McKinleyville. Total damage in Humboldt County estimated at 2.1 million U.S. dollars. Felt (V) at Bridgeville, Kneeland, Rio Dell and Weott; (IV) at Carlotta, Garberville, Klamath, Korbel, Miranda, Orleans, Petrolia, Phillipsville, Piercy, Redcrest, Salyer and Trinidad. Felt in much of northern California and as far as Brookings and Grants Pass, Oregon.

Compiled by Waverly J. Person

Corrections to Previous Monthly Listings

1. Delete event at 12:27:26.6 UTC on July 06, 1992. Data belong to event at 12:27:23.1 UTC on July 07.
2. Delete event at 15:54:06.7 UTC on July 12, 1992. Data belong to event at 17:54:07.2 UTC.
3. Delete event at 06:54:42.9 UTC on July 17, 1992. Data belong to event at 13:54:42.1 UTC.
4. Delete event at 18:37:35.4 UTC on August 01, 1992. Data are secondary phases (PKP) for event at 18:19:03.0 UTC.
5. Delete event at 16:56:43.6 UTC on August 04, 1992. Most data belong to an event in southwestern Ryukyu Islands at 16:57:05 UTC, located by ISC.
6. Delete event at 02:13:47.0 UTC on August 15, 1992. Data belong to event at 02:13:46.1 UTC on August 16.
7. Delete event at 18:18:24.5 UTC on August 28, 1992. Event likely to have arisen from timing errors of readings for event at 18:18:04.5 UTC.
8. Delete event at 14:40:20.3 UTC on August 29, 1992. Event likely to have arisen from timing errors of readings for event at 14:40:11.4 UTC.
9. Delete event at 07:29:46.5 UTC on September 03, 1992. Most data belong to an event in Afghanistan at 07:27:32 UTC, located by ISC.
10. Delete event at 10:19:48.2 UTC on September 06, 1992. Data belong to event at 10:29:46.0 UTC, located by ISC.
11. Delete event at 00:27:29.8 UTC on September 08, 1992. Data belong to event at 00:28:29.1 UTC.
12. Delete event at 06:06:05.8 UTC on September 23, 1992. Data belong to event at 06:06:06.2 UTC, located by ISC.
13. Delete event at 17:59:59.4 UTC on September 26, 1992. Data belong to event at 17:59:10.1 UTC.
14. Delete event at 12:36:39.3 UTC on October 24, 1992. Data belong to event at 12:36:24 UTC, located by ISC.
15. Delete event at 03:10:42.6 UTC on October 30, 1992. Data belong to event at 02:49:48.1 UTC.
16. Delete event at 06:42:51.5 UTC on October 31, 1992. Data belong to event at 06:42:51.5 UTC on October 30.
17. Delete event at 12:15:59.4 UTC on November 15, 1992. Data belong to event at 12:16:56.0 UTC, located by ISC.
18. Delete event at 10:49:14.4 UTC on December 04, 1992. Data belong to event at 10:49:14.7 UTC on December 03.
19. Delete event at 20:00:54.1 UTC on December 04, 1992. Data belong to event at 20:00:53.4 UTC on December 03.
20. Delete event at 20:54:22.0 UTC on December 04, 1992. Data belong to event at 20:54:21.7 UTC on December 03.
21. Delete event at 16:16:28.1 UTC on December 27, 1992. Data belong to event at 16:15:20.6 UTC, which has been relocated near coast of Guatemala at 16:16:07 UTC by ISC.
22. Delete event at 04:18:19.5 UTC on January 01, 1993.
23. Delete event at 05:38:08.6 UTC on January 04, 1993.
24. Delete event at 01:14:10.8 UTC on January 06, 1993. Data belong to event at 01:14:08.2 UTC on February 06.
25. Delete event at 02:44:37.8 UTC on January 06, 1993. Data belong to event at 02:44:36.0 UTC on February 06.
26. Delete event at 08:16:42.3 UTC on January 14, 1993.
27. Delete event at 09:10:02.5 UTC on January 14, 1993. Data belong to event at 09:10:01.9 UTC on February 14.
28. Delete event at 20:47:31.6 UTC on January 16, 1993. Data belong to event at 20:47:32.7 UTC on February 16.
29. Delete event at 13:45:47.7 UTC on January 17, 1993. Data belong to event at 13:45:47.1 UTC on February 17.
30. Delete event at 05:23:55.9 UTC on January 19, 1993.
31. Delete event at 18:08:28.6 UTC on January 22, 1993. Data belong to event at 18:08:25.6 UTC on February 22.
32. Delete event at 09:28:16.6 UTC on January 23, 1993.
33. Delete event at 16:51:53.6 UTC on January 23, 1993. Data belong to event at 16:51:53.9 UTC on February 23.
34. Delete event at 04:32:53.1 UTC on January 24, 1993.
35. Delete event at 06:51:50.4 UTC on January 28, 1993. Data belong to event at 06:51:49.7 UTC on February 28.
36. Delete event at 02:14:08.9 UTC on February 06, 1993. Data belong to event at 01:14:08.2 UTC.
37. Delete event at 12:20:13.2 UTC on February 12, 1993.
38. Delete event at 02:35:13.8 UTC on February 18, 1993. Data belong to event at 01:35:14 UTC, located by ISC.
39. Delete event at 02:06:13.4 UTC on February 19, 1993. Data belong to event at 01:06:14.5 UTC.
40. Delete event at 08:25:40.8 UTC on February 22, 1993.

41. Delete event at 13:08:51.2 UTC on February 23, 1993. Data belong to event at 13:09:50.7 UTC, located by ISC.

42. Delete event at 06:10:23.8 UTC on March 08, 1993. Data belong to event at 06:10:23.6 UTC on March 09.

43. Delete event at 06:48:45.7 UTC on March 25, 1993. Data are secondary phases (pP) for event at 06:48:34.0 UTC.

44. Delete event at 00:04:58.6 UTC on March 29, 1993. Data belong to event at 00:04 UTC on March 28, located by ISC.

45. Delete event at 00:06:11.6 UTC on March 29, 1993.

46. Delete event at 00:06:41.7 UTC on March 29, 1993. Data belong to event at 00:06:41.7 UTC on March 28.

47. Delete event at 00:08:24.1 UTC on March 29, 1993.

48. Delete event at 00:09:50.1 UTC on March 29, 1993.

49. Delete event at 00:14:41.7 UTC on March 29, 1993.

50. Delete event at 00:14:57.1 UTC on March 29, 1993.

51. Delete event at 00:15:55.1 UTC on March 29, 1993.

52. Delete event at 00:16:11.2 UTC on March 29, 1993.

53. Delete event at 00:16:17.5 UTC on March 29, 1993.

54. Delete event at 00:17:05.1 UTC on March 29, 1993.

55. Delete event at 00:17:32.5 UTC on March 29, 1993.

56. Delete event at 00:24:12.3 UTC on March 29, 1993.

57. Delete event at 00:25:23.6 UTC on March 29, 1993.

58. Delete event at 00:26:40.5 UTC on March 29, 1993.

59. Delete event at 00:52:38.8 UTC on March 29, 1993. Data belong to event at 00:52:39.5 UTC on March 28.

60. Delete event at 01:00:00.3 UTC on March 29, 1993.

61. Delete event at 02:07:03.0 UTC on March 29, 1993.

62. Delete event at 09:57:13.0 UTC on April 06, 1993. Data belong to event at 09:56:35.7 UTC.

63. Event in Veracruz, Mexico at 20:20:33.9 UTC on April 12, 1993 has been relocated off coast of Chiapas, Mexico at 20:19:39 UTC by ISC.

64. Delete event at 00:56:47.9 UTC on April 15, 1993. Data belong to event at 00:56:47 UTC on April 16, located by ISC.

65. Delete event at 21:02:49.3 UTC on May 03, 1993. Data belong to a teleseism, most likely the northern Colombia event at 21:00:15.0 UTC.

66. Delete event at 23:49:32.2 UTC on May 21, 1993. Data belong to event at 23:49:25.5 UTC on May 20.

67. Delete event at 11:22:18.9 UTC on June 05, 1993. Data belong to event at 11:22:19.1 UTC on June 06.

68. Delete event at 12:18:06.5 UTC on June 08, 1993. Data belong to events at 12:17:49.5 UTC and 12:18:24.1 UTC, located by ISC.

69. Delete event at 15:57:40.1 UTC on June 15, 1993. Data belong to event at 15:57:40.4 UTC on June 13.

70. Delete event at 01:37:35.5 UTC on July 10, 1993. Data belong to event at 01:37:36 UTC on July 11, located by ISC.

71. Delete event at 15:15:22.3 UTC on July 12, 1993. Data belong to event at 15:15:11.6 UTC.

72. Delete event at 02:40:24.5 UTC on February 12, 1994.

73. Event at 17:50:17.0 UTC on August 23, 1994 was mining induced in the Gardanne area, France. This information is supplied by Pierre Stahl.

The corrections shown above (except for numbers 72, 73) are based on information supplied by R.D. Adams and V.I. Marza from the International Seismological Centre.

EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

MB - Body wave magnitudes.
Msz - Vertical surface wave magnitudes.
UTC - Coordinated Universal Time. HR MN SEC - Hour, minute, second.
SD - Standard Deviation from the arithmetic mean of residuals.
No. Sta. - Number of stations reporting P or PKP phases used in computation.
KEY - (Printed vertically). An "a" in this column indicates additional source parameters are published for this event in a separate section following the list of hypocenters.

Symbols and Abbreviations Used in Comments

AEIC	Alaska Earthquake Information Center (U.S. Geological Survey and University of Alaska), College.
APT	University of Connecticut.
BGS	British Geological Survey, Edinburgh, United Kingdom.
BLA	Virginia Polytechnic Institute and State University, Blacksburg.
BOU	University of Colorado, Boulder.
BRK	University of California, Berkeley.
BUT	Montana Bureau of Mines and Geology, Butte.
DOE	U.S. Department of Energy (formerly AEC and ERDA).
EXPLO	Some or all parameters of explosion (controlled or accidental) supplied by any group or individual other than DOE or its predecessor organizations.
GLD	U.S. Geological Survey, Golden, Colorado (other than NEIS).
GM	U.S. Geological Survey, Menlo Park, California.
GS	U.S. Geological Survey, National Earthquake Information Service (NEIS), Golden, Colorado.
HDC	Observatorio Vulcanologico y Sismologico de Costa Rica, Universidad Nacional, Heredia, Costa Rica.
HRV	Harvard University, Cambridge, Massachusetts.
HVO	Hawaiian Volcano Observatory.
JMA	Japan Meteorological Agency, Tokyo (also used to indicate 7-point Japanese Intensity Scale).
LAK	Kansas Geological Survey, University of Kansas, Lawrence.
LDG	Laboratoire de Detection et de Geophysique, Bruyeres-le-Chatel, France.
MACRO	Hypocenter based upon macroseismic information.
MD	Duration magnitude (shown as DUR prior to 1986).
MDD	Instituto Geografico Nacional, Madrid, Spain.
MG	Contributed local or regional magnitude of unspecified type (see "Contributed Magnitudes" below).
MW	Moment Magnitude.
OTT	Geological Survey of Canada, Earth Physics Branch, Ottawa.
PAL	Columbia University, Lamont-Doherty Geological Observatory, Palisades, New York.
PAR	Institute de Physique du Globe, Universite Pierre et Marie Curie, Paris, France.
PAS	California Institute of Technology, Pasadena.
PGC	Pacific Geoscience Centre, Sidney, British Columbia, Canada.
PMR	Alaska Tsunami Warning Center, Palmer, Alaska.
PPT	Laboratoire de Geophysique, Papeete, French Polynesia.
REN	University of Nevada, Reno.
RF	Rossi-Forel Intensity Scale.
SEA	University of Washington, Seattle.
SLC	University of Utah, Salt Lake City.
SLM	St. Louis University, Missouri.
SPEC	An NEIS solution based on use of dense local networks, a local crustal model, or other methods not routinely applied in calculating the hypocenter parameters.
TEIC	Center for Earthquake Research and Information, Memphis, Tennessee.
TUL	Oklahoma Geological Survey, Leonard.
UVC	Universidad del Valle, Cali, Colombia.
WES	Weston Observatory, Massachusetts.
Roman Numerals	Used to indicate intensity (when not followed by RF or JMA they refer to the Modified Mercalli Scale or any 12-point intensity scale closely related to it).
°	Geographic degrees, minutes, seconds.
-P	Supplied hypocenter is a preliminary computation.

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

Symbols Following Depth

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

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

G Indicates the depth was restrained by a geophysicist.

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

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

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

Symbols Following Origin Time

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

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

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

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

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

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

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

TRAVEL-TIME TABLES

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

MACROSEISMIC INFORMATION

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

GEOGRAPHIC REGIONS

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

DEPTHS FROM BROADBAND DISPLACEMENT SEISMOGRAMS

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

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

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

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

FAULT PLANE SOLUTIONS

A fault plane solution is determined when possible for any earthquake having a magnitude ≥ 5.8 by using first motions from P, pP and PKP waves. Focal mechanisms are further constrained by using brodband displacement records to obtain polarities of surface-reflected body waves (e.g., pP and sP), Hilbert-transformed body waves of certain secondary arrivals (e.g., PP) and transversely polarized S waves. For complex earthquakes, the fault plane solution corresponds to the first subevent unless otherwise stated. A description of the solution is reported in the Additional Focal Parameters section of the Preliminary Determination of Epicenters Monthly Listing. First motion data used to compute the solution are available upon request from the National Earthquake Information Center at the address given above.

FOCAL MECHANISM MAPS

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

NEIS MAGNITUDES

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

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

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

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

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

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

where:

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

T is the period in seconds.

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

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

If the uncertainty of the computed depth is considered great enough that the depth could be less than 50 km, an Ms value may still be published, computed by the IASPEI formula and <u>not</u> corrected for depth.

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

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

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

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

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

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

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

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

ML These local magnitudes are computed according to the formula:

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

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

CONTRIBUTED MAGNITUDES

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

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

REFERENCES

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

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

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

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

USGS RADIATED ENERGY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

4. BEST DOUBLE COUPLE: If the eigenvalue (T) is 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.

Printed on Recycled Paper

☆U.S. GOVERNMENT PRINTING OFFICE 1995—841-910