

UNITED STATES DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS  
MONTHLY LISTING

OCTOBER - DECEMBER 1991

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

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1991



# PRELIMINARY DETERMINATION OF EPICENTERS

## MONTHLY LISTING

### U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY National Earthquake Information Center

OCTOBER 1991

K E Y	DAY	ORIGIN TIME UTC	GEOGRAPHIC COORDINATES	DEPTH	MAGNITUDES GS MB Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
		HR MN SEC	LAT LONG					
	01	00 40 02.6	40.572 N 124.935 W	21			8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	01	00 47 15.7	36.983 N 121.950 W	6			11	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	01	01 03 06.6	58.006 N 142.457 W	10 G			6	GULF OF ALASKA. <AEIC> ML 2.6 (AEIC).
	01	02 57 02.4	37.645 N 15.031 E	10 G	0.6		5	SICILY
	01	03 06 33.5	43.803 N 26.731 E	16	1.1		20	BULGARIA
	01	03 12 06.7	17.896 N 66.801 W	10 G	1.0		6	PUERTO RICO REGION
	01	03 51 15.0	7.41 S 126.64 E	473 ?	0.9		6	BANDA SEA
	01	04 38 04.9	39.347 N 16.511 E	10 G	0.5		7	SOUTHERN ITALY
	01	04 43 48.3	61.851 N 150.725 W	68			48	SOUTHERN ALASKA. <AEIC> ML 2.7 (AEIC).
	01	05 03 58.0	43.405 N 127.217 W	5 G			28	OFF COAST OF OREGON. <SEA>
	01	05 12 07.4	6.207 S 151.206 E	55 ?	4.4	1.2	12	NEW BRITAIN REGION, P.N.G.
	01	06 36 49.0	55.759 S 27.943 W	33 N	5.0	0.5	13	SOUTH SANDWICH ISLANDS REGION
	01	07 20 46.5	65.575 N 144.477 W	16			19	NORTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
	01	07 38 47.2	9.764 S 111.767 E	33 N	4.4	1.5	11	SOUTH OF JAVA, INDONESIA
	01	09 11 17.3	11.65 N 62.42 W	100 G		0.9	6	WINDWARD ISLANDS. MD 3.1 (TRN).
	01	09 26 06.8	40.072 N 28.818 E	10 G		1.2	6	TURKEY
	01	10 18 40.7	40.264 N 29.365 E	10 G		0.7	16	TURKEY
	01	10 24 24.5	31.518 S 178.812 W	33 N	5.3	1.2	13	KERMADEC ISLANDS REGION
	01	10 47 52.9	19.358 S 177.592 W	441 ?	4.6	1.0	34	FIJI ISLANDS REGION
	01	11 44 51.2	40.396 N 23.344 E	10 G		0.4	5	GREECE
	01	13 23 44.3	23.882 N 121.840 E	31	4.3	1.4	20	TAIWAN
	01	13 26 49.6	38.21 N 1.37 W	10 G		0.8	4	SPAIN. mblg 2.6 (MDD).
	01	15 04 59.3	1.108 N 124.526 E	33 N	4.5	0.0	16	MINAMASSA PENINSULA, SULAWESI
	01	15 24 52.4	36.537 N 121.002 W	5			12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	01	16 46 58.8	36.702 N 121.542 W	7			16	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	01	18 25 52.0	60.969 N 150.307 W	43			56	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
	01	20 30 20.0	35.705 N 65.512 E	12 D	5.3 4.5	1.0	179	HINDU KUSH REGION, AFGHANISTAN
	01	20 50 07.7	15.051 N 94.765 W	47 *	4.8	1.1	25	NEAR COAST OF OAXACA, MEXICO
	01	22 29 10.8	40.115 N 9.187 E	10 G		1.4	8	GERMANY. ML 2.5 (LDG).
	01	23 05 56.7	5.664 S 146.025 E	57	4.1	0.3	10	EASTERN NEW GUINEA REG., P.N.G.
	02	00 37 05.1	36.902 N 121.653 W	4			14	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). Felt in the Watsonville area.
	02	01 11 37.3	23.986 S 66.764 W	200	4.8	0.9	38	JUJUY PROVINCE, ARGENTINA
	02	01 23 51.7	5.136 N 77.220 W	10 G		0.7	8	NEAR WEST COAST OF COLOMBIA. MD 3.8 (UPA).
	02	02 34 06.5	36.903 N 121.657 W	5			21	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt (IV) at Aramas. Also felt in the Watsonville area.
	02	03 04 45.8	6.896 N 72.957 W	173	4.6	0.8	21	NORTHERN COLOMBIA
	02	03 59 29.2	11.902 N 143.849 E	33 N	4.5	0.4	6	SOUTH OF MARIANA ISLANDS
	02	06 37 27.1	6.120 S 150.926 E	10 G	5.1 4.6	1.0	37	NEW BRITAIN REGION, P.N.G. ML 4.8 (PMG).
	02	06 30 50.9	7.517 S 127.476 E	67 ?	4.9	1.2	14	BANDA SEA
	02	07 30 37.2	4.519 S 142.688 E	77 *	4.4	0.8	15	NEW GUINEA, PAPUA NEW GUINEA
	02	08 05 46.8	59.866 N 150.503 W	38			79	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).
	02	08 21 26.5	10.767 S 164.805 E	33 N	4.4 4.5	1.2	14	SANTA CRUZ ISLANDS REGION
	02	09 02 37.5	4.66 N 76.33 W	110 G		0.5	6	COLOMBIA. MD 3.0 (UVC).
	02	09 50 14.4	43.629 N 17.446 E	10 G		1.2	16	NORTHWESTERN BALKAN REGION ML 3.2 (ZAG), 2.5 (LJU).
	02	09 54 35.9	40.467 N 21.822 E	10 G		0.9	8	GREECE. MD 2.3 (THE).
	02	10 22 44.5	61.374 N 150.557 W	48			62	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.3 (PMR). Felt (III) at Chugiak.
	02	11 40 06.0	40.397 N 23.283 E	10 G		0.9	7	GREECE MD 2.2 (THE).
	02	12 36 51.9	42.858 N 24.113 E	10 G		1.4	15	BULGARIA. MD 2.9 (THE).
	02	13 38 21.6	61.961 N 147.001 W	48			52	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	02	14 02 31.6	63.229 N 149.493 W	14	4.0	121		CENTRAL ALASKA <AEIC>. ML 4.9 (AEIC), 4.8 (PMR). Felt (IV) at Cantwell and Denali National Park; (III) at Healy, McKinley Village, Palmer, Skwentna and in the southern part of Fairbanks.
a	02	14 32 55.1	10.402 S 161.363 E	91 D	5.4	0.8	118	SOLOMON ISLANDS Felt at Honiara.
	02	14 41 22.7	36.872 N 71.901 E	293 ?	3.8	0.6	12	AFGHANISTAN-TAJIKISTAN BORD REG.
	02	14 46 00.7	9.39 S 123.05 E	244 ?	4.8	1.0	7	TIMOR REGION, INDONESIA

02	15	20	27.1	40.447 N	33.294 E	33 N	4.2	0.8	16	TURKEY
02	15	37	28.1?	15.18 N	90.32 W	33 N	4.4	1.3	4	GUATEMALA
02	15	59	49.2%	10.557 N	61.646 W	33 N		1.3	6	TRINIDAD. MD 2.9 (TRN).
02	16	18	35.1*	46.539 S	10.443 W	10 G	5.0	1.2	14	SOUTHERN MID-ATLANTIC RIDGE
02	17	41	21.4*	24.087 S	179.705 W	552 ?	4.6	1.3	29	SOUTH OF FIJI ISLANDS
02	17	49	10.7	10.272 S	161.064 E	95 D	5.2	1.1	131	SOLOMON ISLANDS. Felt at Honiara.
02	18	31	16.5?	24.11 N	122.85 E	10 G		1.4	5	TAIWAN REGION
02	18	31	52.6?	51.59 N	16.18 E	11		0.5	9	POLAND. ML 3.7 (GRF).
02	18	42	21.3%	33.880 N	117.770 W	8			8	SOUTHERN CALIFORNIA. <PAS-P> ML 3.4 (PAS).
02	18	58	57.5%	36.892 N	121.643 W	2			14	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
02	19	03	54.7	37.375 N	36.047 E	10 G	4.3 4.0	0.8	13	TURKEY
02	19	11	00.0?	46.41 N	8.91 E	10 G		0.5	5	SWITZERLAND
02	19	11	30.6	44.966 N	11.414 E	26		1.1	38	NORTHERN ITALY. ML 3.8 (GRF), 3.5 (VIE), 3.2 (LDG), 3.0 (ZAG). MD 3.2 (TRI).
02	19	27	22.8	44.360 N	7.360 E	10 G		0.5	16	NORTHERN ITALY. ML 2.3 (GEN), 2.2 (LDG).
02	20	04	56.9*	51.561 N	16.183 E	10		0.4	14	POLAND. ML 3.5 (VIE), 3.3 (GRF).
02	20	27	47.1%	44.762 N	7.002 E	10 G		0.6	5	NORTHERN ITALY. ML 1.9 (GEN).
02	20	29	56.0?	51.52 N	16.16 E	10 G		0.9	10	POLAND. ML 3.5 (VIE), 3.4 (GRF), 2.8 (WAR).
02	21	24	26.5*	30.522 N	137.697 E	480 G	4.5	0.7	11	SOUTH OF HONSHU, JAPAN
02	22	00	37.7*	16.202 S	174.776 W	33 N	4.7	1.2	23	TONGA ISLANDS
02	22	17	13.1	43.413 N	5.438 E	10 G		0.9	9	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
02	22	36	05.7?	51.29 N	15.95 E	10 G		0.6	5	POLAND
02	23	02	35.7	44.824 N	22.435 E	10 G		1.3	8	ROMANIA
02	23	13	02.5%	63.378 N	151.294 W	12			73	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC).
02	23	22	16.3	39.872 N	24.076 E	10 G		0.7	14	AEGEAN SEA. MD 2.7 (THE).
02	23	58	05.2	40.655 N	23.169 E	10 G		0.9	19	GREECE. MD 2.7 (THE).
03	00	52	00.9%	43.090 N	0.849 W	10 G		0.1	6	PYRENEES. ML 1.0 (STR).
03	01	05	45.7?	48.01 N	8.03 E	10 G		0.1	4	GERMANY. ML 2.2 (LDG).
03	02	17	10.0	6.710 N	72.968 W	171	4.7	1.1	32	NORTHERN COLOMBIA
03	02	29	36.0%	19.259 N	156.340 W	43	4.9		51	HAWAII. <HVO-P>. ML 4.4 (HVO). Felt at Glenwood and Ocean View Estates.
03	02	33	21.6%	44.653 N	6.785 E	10 G		0.3	6	FRANCE. ML 2.1 (GEN).
03	02	40	26.8	38.882 N	15.116 E	10 G		0.8	23	SICILY. ML 3.2 (ROM).
03	02	48	12.6%	38.782 N	15.377 E	10 G		0.6	5	SICILY
03	02	52	29.3*	12.913 S	167.447 E	33 N	4.8	0.8	36	SANTA CRUZ ISLANDS
03	02	52	59.0%	38.844 N	15.109 E	10 G		1.1	7	SICILY
03	03	42	47.0?	58.95 N	5.76 E	10 G		0.2	4	SOUTHERN NORWAY. MD 1.5 (BER).
03	04	09	59.5%	36.882 N	121.638 W	6			14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
03	05	05	34.1	43.132 N	0.413 E	10 G		0.8	14	PYRENEES. ML 3.0 (LDG).
03	05	57	48.9*	37.615 N	118.859 W	5 G		1.0	5	CALIFORNIA-NEVADA BORDER REGION. ML 2.3 (GS).
03	06	07	01.8?	2.95 N	78.34 W	33 N		0.2	6	NEAR WEST COAST OF COLOMBIA. MD 4.2 (UVC).
03	06	15	37.2%	36.783 N	121.543 W	7			12	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
03	06	32	23.8?	20.08 S	177.97 E	110 ?	4.4	1.0	9	SOUTH OF FIJI ISLANDS
03	06	36	47.1%	36.190 N	120.040 W	6 G			12	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
03	06	39	25.0	48.023 N	7.111 E	10 G		0.9	12	FRANCE. ML 2.7 (LDG), 2.4 (STR).
03	07	46	03.7%	60.127 N	153.543 W	170			39	SOUTHERN ALASKA. <AEIC>.
03	08	38	55.0*	24.397 S	70.593 W	72 *	4.2	1.3	9	NEAR COAST OF NORTHERN CHILE
03	08	50	59.9	43.034 N	25.958 E	10 G		1.4	8	BULGARIA
03	08	55	11.0	43.068 N	25.933 E	10 G		0.5	8	BULGARIA
03	08	56	22.6%	60.694 N	152.062 W	81			80	SOUTHERN ALASKA. <AEIC>.
03	10	07	51.2*	30.059 S	73.141 W	33 N		0.9	13	OFF COAST OF CENTRAL CHILE. MD 4.3 (SAN).
03	11	16	13.7?	44.14 N	11.40 E	10 G		1.3	5	NORTHERN ITALY
03	11	37	37.6	40.811 N	22.886 E	10 G		0.7	8	GREECE. MD 2.5 (THE).
03	11	46	04.8	36.841 N	89.432 W	5 G		0.8	20	NEW MADRID, MISSOURI REGION. mbLg 3.1 (GS). Felt (11) at Blodgett, Charleston and East Prairie. Felt (11) at New Madrid.
03	12	01	40.8*	33.221 S	179.353 W	33 N	5.1	1.2	20	SOUTH OF KERMADEC ISLANDS
03	13	09	06.9	3.682 S	149.781 E	42 *	4.4	1.2	26	BISMARCK SEA
03	14	21	32.1*	46.769 S	150.543 W	10 G	4.9 4.1	1.4	21	SOUTHERN MID-ATLANTIC RIDGE
03	14	58	42.4?	5.88 S	151.10 E	88 ?	4.7	1.2	5	NEW BRITAIN REGION, P.N.G.
03	15	46	14.3	10.147 S	160.867 E	45 *	5.1 4.7	1.0	62	SOLOMON ISLANDS
03	16	35	24.8*	5.567 S	145.535 E	126 *	4.7	1.3	9	EASTERN NEW GUINEA REG., P.N.G.
03	18	15	47.9	43.919 N	7.493 E	10 G		0.7	21	NEAR SOUTH COAST OF FRANCE. ML 3.0 (LDG), 2.9 (GEN).
03	19	07	38.7	33.948 S	179.622 E	33 N	5.2	1.1	34	SOUTH OF KERMADEC ISLANDS
03	19	18	03.1?	43.99 N	12.63 E	10 G		0.7	5	CENTRAL ITALY
03	19	22	00.9?	24.09 N	122.31 E	10 G		0.5	5	TAIWAN REGION
03	19	22	46.1%	43.943 N	7.463 E	10 G		0.1	5	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
03	20	20	10.2	17.029 S	167.941 E	10 G	5.0 5.7	1.0	106	VANUATU ISLANDS
03	20	24	17.3	16.817 S	167.887 E	10 G	4.9 5.5	1.2	67	VANUATU ISLANDS. Ms 5.9 (BRK).
03	20	43	31.1	16.852 S	168.156 E	16 D	5.2 5.6	1.2	137	VANUATU ISLANDS
03	23	19	36.0?	7.11 S	129.02 E	137 ?	4.4	1.2	12	BANDA SEA
03	23	57	24.1	34.005 N	26.050 E	33 N	4.5	1.4	35	CRETE. MD 4.0 (ATH).
04	02	03	38.4?	6.11 S	130.03 E	205 ?	4.7	1.1	6	BANDA SEA
04	04	02	45.7?	3.68 N	74.85 W	10 G		1.1	5	COLOMBIA. MD 3.5 (UVC).
04	04	30	46.1	43.388 N	5.422 E	10 G		1.1	11	NEAR SOUTH COAST OF FRANCE. ML 2.9 (STR).
04	04	55	47.3*	38.563 N	24.230 E	22		0.7	9	AEGEAN SEA. MD 3.1 (ATH).
04	05	20	59.7?	7.01 S	129.35 E	108 ?	4.8	0.8	14	BANDA SEA
04	06	49	08.5%	60.697 N	5.481 E	10 G		1.4	5	SOUTHERN NORWAY. MD 1.6 (BER).
04	07	10	29.2?	40.71 N	30.08 E	10 G		1.1	5	TURKEY
04	07	46	51.8?	17.91 N	65.76 W	10 G		0.3	8	PUERTO RICO REGION
04	07	55	54.7%	59.863 N	151.762 W	62			52	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
04	08	31	15.3*	34.279 N	139.343 E	32	4.3	0.7	9	NEAR S. COAST OF HONSHU, JAPAN
04	08	52	59.4%	3.377 N	76.771 W	33 N		1.2	7	COLOMBIA. MD 3.3 (UVC).
04	09	15	49.7?	44.33 N	7.78 E	10 G		1.1	4	NORTHERN ITALY. ML 1.9 (GEN).
04	10	01	17.4%	33.940 N	116.540 W	10			8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt at Desert Hot Springs.
04	10	12	13.0?	32.95 S	72.15 W	10 G		0.5	9	OFF COAST OF CENTRAL CHILE
04	11	12	16.8%	59.909 N	153.264 W	117			41	SOUTHERN ALASKA. <AEIC>.
04	13	06	28.3%	59.858 N	150.406 W	29			50	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
04	13	14	50.1?	23.35 S	178.91 E	580 G	4.7	1.2	21	SOUTH OF FIJI ISLANDS
04	13	15	06.4	43.438 N	5.442 E	10 G		1.0	10	NEAR SOUTH COAST OF FRANCE. ML 2.5 (STR).
04	13	24	02.3?	4.34 S	144.39 E	33 N	4.2	1.0	8	NEAR N COAST OF NEW GUINEA, PNG.
04	15	06	27.6%	37.002 N	15.398 E	10 G		0.9	7	SICILY

04	16 46 01.4	43.914 N	7.486 E	10 G	0.9	12	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG), 2.3 (GEN).
04	19 05 22.1%	60.508 N	4.569 E	7 G	0.7	11	SOUTHERN NORWAY. MD 2.4 (BER).
04	19 26 04.8*	43.350 N	147.091 E	43 *	4.6	1.1	25 KURIL ISLANDS
04	20 01 55.7*	50.275 N	18.931 E	10 G	1.1	7	POLAND. ML 3.7 (WAR).
04	20 13 54.4?	16.31 N	97.79 W	33 N	1.4	6	OAXACA, MEXICO
04	20 17 27.3?	46.428 N	2.576 E	10 G	0.3	5	FRANCE. ML 1.5 (LDG).
04	20 45 50.0	3.055 N	76.456 W	152	4.7	0.9	31 COLOMBIA. MD 4.5 (UVC). Felt strongly in parts of Cauca and Valle del Cauca Departments.
04	21 09 15.5	36.771 N	30.530 E	30	4.0	0.7	25 TURKEY. Felt at Antalya.
04	21 10 55.0?	51.72 N	177.68 W	33 N	4.7	1.0	6 ANDREANOF ISLANDS, ALEUTIAN IS.
04	21 44 39.1%	39.278 N	117.996 E	10 G	0.9	5	NORTHEASTERN CHINA. ML 3.7 (BJI).
04	22 11 39.2	8.909 S	115.830 E	102 *	4.7	1.2	30 BALI REGION, INDONESIA
05	00 14 54.0*	31.989 S	71.813 W	10 G	0.3	9	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
05	00 56 36.7	80.465 N	1.207 W	10 G	4.6 3.6	1.1	55 NORTH OF SVALBARD
05	00 56 45.9	38.913 N	22.573 E	10 G	1.1	22	GREECE. ML 3.3 (ATH). MD 3.2 (THE).
05	01 56 09.1	47.770 N	146.597 E	404 ?	4.5	0.8	37 NORTHWEST OF KURIL ISLANDS
05	03 04 33.2*	28.279 S	71.000 W	100 *	4.1	1.0	20 NEAR COAST OF CENTRAL CHILE
05	04 06 44.1*	21.995 S	70.731 W	33 N	0.8	8	NEAR COAST OF NORTHERN CHILE
05	04 38 36.1%	40.108 N	19.896 E	5 G	0.9	6	ALBANIA. MD 2.7 (THE).
05	04 42 40.1*	56.335 N	156.077 W	33 N	4.4	1.1	34 ALASKA PENINSULA. ML 3.9 (AEIC), 4.6 (PMR).
05	05 14 58.2	46.207 N	13.264 E	10 G	1.2	132	AUSTRIA. ML 4.5 (VIE), 4.4 (FUR), 4.4 (FEL), 4.3 (ZAG), 4.3 (LDG). MD 4.2 (LJU). Felt (V) in the Spittal-Drava area. Also felt at Klagenfurt. Felt at Ljubljana and in other parts of western Slovenia.
05	05 30 06.5?	36.99 N	15.40 E	10 G	0.3	5	SICILY
05	05 31 37.5	46.324 N	13.408 E	5 G	1.3	10	AUSTRIA. ML 2.4 (VIE). MD 2.8 (LJU).
05	05 56 00.9*	46.276 N	13.337 E	10 G	0.2	5	AUSTRIA. MD 2.5 (LJU).
05	05 57 57.9?	19.90 S	173.67 W	33 N	0.9	9	TONGA ISLANDS
05	05 58 50.4	19.123 S	172.984 W	33 N	5.1 4.7	1.1	37 TONGA ISLANDS REGION
05	06 24 40.0*	47.398 N	9.750 E	10 G	1.4	6	GERMANY. ML 2.1 (VIE).
05	06 29 13.0	16.172 N	61.328 W	24 *	0.2	8	LEEWARD ISLANDS. ML 2.4 (FDF).
05	07 24 27.9	52.149 N	169.243 W	33 N	5.3 4.9	1.1	222 FOX ISLANDS, ALEUTIAN ISLANDS
05	07 32 41.0	0.690 N	121.193 E	104 *	5.0	0.9	38 MINAHASSA PENINSULA, SULAWESI
05	08 30 59.2%	42.408 N	19.322 E	10 G	0.8	5	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
05	08 56 04.3*	35.815 N	137.508 E	10 G	0.3	5	EASTERN HONSHU, JAPAN
05	09 09 39.4%	42.380 N	19.313 E	10 G	0.8	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
05	09 11 19.7%	42.386 N	19.303 E	10 G	0.2	8	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
05	09 52 46.7%	45.493 N	2.270 E	10 G	1.2	13	FRANCE. ML 2.4 (LDG).
05	09 57 44.0%	42.389 N	19.859 E	10 G	0.5	8	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
05	10 06 13.7%	40.740 N	121.580 W	11	0.8	8	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt (III) at Hot Creek.
05	10 14 14.4%	40.757 N	121.555 W	9	0.7	7	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
05	10 36 20.5%	41.930 N	125.557 W	5 G	0.6	6	OFF COAST OF NORTHERN CALIFORNIA. <SEA>.
05	10 39 19.4%	50.714 N	130.384 W	10 G	4.6 4.1	149	VANCOUVER ISLAND REGION. <PGC>.
05	11 56 17.7%	63.042 N	150.406 W	101	0.7	47	CENTRAL ALASKA. <AEIC>.
05	12 09 54.6?	10.14 N	126.27 E	33 N	4.4	10	PHILIPPINE ISLANDS REGION
05	12 47 45.7	43.953 N	11.762 E	12	1.1	45	CENTRAL ITALY. ML 3.3 (LDG). Felt (I) at Florence.
05	13 09 34.3	24.707 S	179.977 E	501 *	5.0	1.1	79 SOUTH OF FIJI ISLANDS
05	13 09 47.6%	43.918 N	11.715 E	10 G	1.5	5	CENTRAL ITALY
05	13 10 56.1	33.951 N	117.614 W	5 G	0.6	7	SOUTHERN CALIFORNIA. ML 2.5 (GS). Felt (IV) at Ontario and (III) at Norco.
05	14 20 38.3%	46.356 N	8.301 E	10 G	0.6	11	SWITZERLAND. ML 2.4 (LDG).
05	14 29 11.5%	61.472 N	4.223 E	10 G	0.2	5	SOUTHERN NORWAY. MD 1.8 (BER).
05	14 56 29.4	46.236 N	13.278 E	10 G	1.2	46	AUSTRIA. ML 3.5 (VIE), 3.3 (LDG), 3.1 (ZAG). MD 3.4 (LJU), 3.0 (TRI).
05	16 05 12.6	4.084 N	126.080 E	174 ?	4.7	1.0	32 TALAUD ISLANDS, INDONESIA
05	16 05 47.5?	37.74 N	71.12 E	33 N	4.6	0.2	7 AFGHANISTAN-TAJIKISTAN BORD REG.
05	16 24 29.8%	43.949 N	11.717 E	10 G	0.9	10	CENTRAL ITALY
05	17 06 55.4*	33.141 S	71.922 W	21 *	0.4	10	NEAR COAST OF CENTRAL CHILE
05	17 09 20.6*	37.531 N	72.322 E	177 ?	4.4	0.5	11 TAJIKISTAN
05	18 30 18.5	37.064 N	29.425 E	10 G	0.7	13	TURKEY
05	18 35 06.9	46.259 N	13.343 E	10 G	1.1	8	AUSTRIA. ML 2.5 (VIE). MD 2.5 (LJU), 2.3 (TRI).
05	18 48 25.9	29.536 N	32.591 E	31	0.8	18	EGYPT. MD 4.2 (HLW).
05	19 57 18.3*	6.120 S	151.114 E	33 N	4.6	0.7	6 NEW BRITAIN REGION, P.N.G. ML 4.5 (PMG).
05	20 16 26.0?	21.88 N	144.28 E	33 N	4.6	1.1	19 MARIANA ISLANDS REGION
05	20 16 32.5*	40.642 N	19.826 E	10 G	0.4	11	ALBANIA. ML 2.4 (TTG).
05	20 48 28.0?	48.11 N	7.23 E	10 G	0.0	4	FRANCE. ML 1.7 (LDG).
05	22 31 25.3%	39.573 N	16.065 E	59 ?	0.3	7	SOUTHERN ITALY
05	22 47 01.2*	54.239 N	164.329 W	33 N	4.7	1.1	15 UNIMAK ISLAND REGION
05	23 03 03.1%	3.826 N	77.042 W	33 N	0.4	7	NEAR WEST COAST OF COLOMBIA. MD 3.0 (UVC).
06	00 30 53.7?	3.82 N	76.90 W	109 G	0.5	4	COLOMBIA. MD 2.4 (UVC).
06	01 16 59.9*	17.967 S	178.314 W	500 D	4.7	1.1	60 FIJI ISLANDS REGION
a 06	01 46 47.5	41.096 N	43.409 E	18 D	5.0 4.6	1.1	133 GEORGIA-ARMENIA-TURKEY BORD REG. Felt (VI) at Ashotsk and (IV) at Stepanavan, Armenia.
a 06	02 46 24.6	64.748 S	177.705 E	10 G	5.3 4.9	0.9	25 BALLENY ISLANDS REGION
06	02 46 28.3	40.881 N	22.960 E	10 G	0.7	11	GREECE. MD 2.4 (THE).
06	03 34 46.4?	8.99 S	113.30 E	149 ?	4.3	1.3	5 JAWA, INDONESIA
06	04 11 15.2?	17.54 N	61.91 W	23 *	0.3	9	LEEWARD ISLANDS. ML 3.0 (FDF).
06	04 16 38.1%	35.450 N	118.280 W	3	0.2	18	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.3 (BRK).
06	06 10 41.7%	59.469 N	151.667 W	50	4.2	92	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (AEIC), 3.7 (PMR). Felt (III) at Homer and (II) at Anchorage.
06	06 10 45.3%	33.480 N	116.490 W	12	0.8	11	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS). Felt at Ontario.
06	06 59 17.2%	42.415 N	19.853 E	10 G	0.8	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
06	07 07 28.7	41.193 N	23.204 E	10 G	0.8	12	GREECE-BULGARIA BORDER REGION
06	07 30 43.6%	48.963 N	129.025 W	10 G	3.8	20	VANCOUVER ISLAND REGION. <PGC>.
06	07 50 36.8	19.264 N	144.734 E	50 *	4.8	1.0	43 MARIANA ISLANDS
a 06	07 51 33.6*	16.773 S	168.082 E	22 D	5.0 5.2	1.2	46 VANUATU ISLANDS
06	08 15 34.2?	32.62 S	70.36 W	90 G	0.4	9	CHILE-ARGENTINA BORDER REGION
06	09 14 04.7%	42.390 N	19.823 E	10 G	0.2	8	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
06	09 15 22.0?	4.19 N	77.02 W	33 N	0.5	5	NEAR WEST COAST OF COLOMBIA. MD 2.7 (UVC).
06	09 19 51.0?	3.84 N	76.00 W	110 G	0.3	5	COLOMBIA. MD 3.0 (UVC).
06	09 22 11.1%	36.878 N	121.635 W	6	0.3	23	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=7.2*10**14

Nm (BRK). Felt (III) at Aptas, Aromas and San Juan Bautista.									
06	09 26 30.9*	3.762 N	126.087 E	109 ?	4.7	1.1	15	TALAUD ISLANDS, INDONESIA	
06	09 48 49.9	37.145 N	101.357 E	10 G	4.2	0.7	10	QINGHAI, CHINA. ML 4.2 (BJI).	
06	09 52 32.6*	12.886 N	90.488 W	33 N	4.2	0.9	17	OFF COAST OF CENTRAL AMERICA	
06	10 12 53.1	51.077 N	176.496 W	33 N	5.1 4.7	1.1	81	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.1 (PMR).	
06	10 14 50.8*	38.631 N	118.680 W	5 G		1.5	5	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (GS).	
06	10 32 46.9	51.092 N	176.499 W	33 N	4.7	1.0	69	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).	
06	10 50 44.4	21.384 N	104.231 E	10 G	4.5	1.2	40	SOUTHEAST ASIA. Felt strangely in the San Joaquin City area, Vietnam.	
06	12 06 51.2	39.241 N	23.452 E	10 G		1.2	14	AEGEAN SEA. ML 2.9 (ATH).	
06	12 18 12.0*	37.677 N	101.437 E	10 G	4.1	1.3	10	QINGHAI, CHINA. ML 4.2 (BJI).	
06	12 32 49.0*	42.82 N	127.34 W	10 G		0.4	35	OFF COAST OF OREGON	
06	13 22 00.4*	36.867 N	121.628 W	8			11	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).	
06	13 41 13.1	9.021 N	122.609 E	76 *	4.8	1.1	28	NEGROS, PHILIPPINE ISLANDS	
06	14 14 51.6*	2.76 N	80.28 W	33 N		0.4	8	SOUTH OF PANAMA. MD 4.7 (UVC).	
06	14 42 48.9	44.867 N	17.968 E	10 G		1.4	22	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG), 2.4 (LJU). MD 3.4 (TRI).	
06	15 05 36.0	16.322 N	61.659 W	10 G		0.9	7	LEeward ISLANDS. ML 1.5 (FDF).	
06	15 22 51.3	33.185 S	70.166 W	106 ?		0.2	9	CHILE-ARGENTINA BORDER REGION	
06	15 50 22.1	60.160 N	150.744 W	72	4.2	0.9	22	KENAI PENINSULA, ALASKA	
06	16 07 53.1	1.887 S	77.052 W	174	4.6	0.9	26	ECUADOR	
06	16 17 31.4	31.176 S	68.191 W	113	4.6	1.0	41	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN). Felt (III) at Andaco.	
06	16 48 21.1	7.358 S	74.827 W	143 D	5.4	0.9	264	PERU-BRAZIL BORDER REGION. mb 5.2 (BRK).	
06	17 25 03.2	44.215 N	9.949 E	10 G		1.0	59	NORTHERN ITALY. ML 3.4 (LDG), 3.0 (GEN). MD 3.2 (TRI).	
06	17 30 33.5*	47.81 N	7.27 E	10 G		0.1	4	SWITZERLAND. ML 2.1 (LDG).	
06	18 03 30.2*	17.68 N	119.14 E	33 N	4.3	1.0	15	PHILIPPINE ISLANDS REGION	
06	18 31 45.2	38.900 N	26.907 E	10 G		0.8	18	AEGEAN SEA	
06	18 51 00.4	39.677 N	21.190 E	10 G		1.1	10	GREECE. MD 2.8 (THE), 3.0 (ATH).	
06	19 19 29.1*	5.99 S	151.39 E	81 ?	4.2	0.6	6	NEW BRITAIN REGION, P.N.G.	
06	19 50 40.4*	38.598 N	15.621 E	10 G		1.2	7	SICILY	
06	19 52 07.3	59.057 S	25.568 W	33 N	5.1	1.2	31	SOUTH SANDWICH ISLANDS REGION	
06	20 11 48.0	44.244 N	9.878 E	5 G		0.8	14	NORTHERN ITALY. ML 2.9 (LDG).	
06	20 48 47.0	17.046 N	100.201 W	13	4.0	1.1	21	GUERRERO, MEXICO	
06	22 22 58.2	42.365 N	21.255 E	10 G		0.9	13	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).	
06	22 46 19.2*	38.344 N	23.894 E	10 G		0.6	9	GREECE. MD 3.1 (ATH), 2.9 (THE).	
06	23 28 26.6	44.219 N	9.929 E	10		0.7	32	NORTHERN ITALY. ML 3.0 (LDG), 2.6 (GEN).	
06	23 44 21.3*	11.07 N	61.97 W	33 N		0.2	5	WINDWARD ISLANDS. MD 2.9 (TRN).	
07	00 06 58.0*	37.104 N	5.588 W	10 G		1.0	6	SPAIN. mbLg 2.7 (MDD).	
07	01 13 17.3*	37.713 N	121.713 W	5			11	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt slightly at Livermore.	
07	01 39 19.4*	61.403 N	146.466 W	19			45	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC), 2.5 (PMR).	
07	02 08 16.1*	5.142 N	77.520 W	33 N		0.6	8	NEAR WEST COAST OF COLOMBIA. MD 4.5 (UVC).	
07	03 50 59.1*	37.233 N	3.761 W	5 G		1.1	8	SPAIN. mbLg 2.8 (MDD). Felt (III)	

08	10	51	02.5	40.580	N	139.512	E	192	4.6	0.9	70	NEAR WEST COAST OF HONSHU, JAPAN	
08	10	55	05.2%	43.074	N	0.623	W	10	G	0.4	5	PYRENEES. ML 1.0 (STR).	
08	12	12	44.5%	45.212	N	6.821	E	10	G	0.4	7	FRANCE. ML 1.9 (GEN).	
08	12	57	24.87	42.04	N	125.71	W	10	G	0.4	36	OFF COAST OF OREGON	
08	13	01	05.6*	42.574	N	0.886	E	10	G	0.5	5	PYRENEES. ML 1.2 (STR).	
08	14	12	58.6*	51.551	N	158.437	E	35	D	4.6	1.0	29 NEAR EAST COAST OF KAMCHATKA	
08	14	48	19.6*	23.879	N	121.811	E	10	G	3.7	1.0	7 TAIWAN	
08	15	08	20.2%	42.084	N	18.975	E	10	G	0.4	6	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).	
08	15	39	38.7	28.568	N	130.127	E	33	D	4.9 4.3	1.1	61 RYUKYU ISLANDS	
08	15	55	03.6	62.715	N	149.641	W	63	?	0.6	9	CENTRAL ALASKA. ML 2.6 (PMR).	
08	16	22	27.0%	37.217	N	3.651	W	10	G	1.3	6	SPAIN. mbLg 2.7 (MDD). Felt (III) in the Santafe area.	
08	17	47	22.8%	33.322	S	72.080	W	10	G	0.6	8	OFF COAST OF CENTRAL CHILE	
08	18	51	20.1*	2.040	S	27.446	E	10	G	4.8	1.4	8 ZAIRE. mbLg 4.5 (BUL).	
08	19	16	56.3%	1.749	N	77.757	W	33	N	0.6	5	COLOMBIA. MD 4.0 (UVC).	
08	19	30	49.8	45.944	N	7.620	E	5	G	3.6	0.7	10 NORTHERN ITALY. ML 2.5 (LDG).	
08	19	53	12.4	8.169	S	125.774	E	20	D	4.7	1.1	24 TIMOR REGION, INDONESIA	
08	19	57	00.2?	32.44	S	71.44	W	32	*	0.8	8	NEAR COAST OF CENTRAL CHILE	
08	20	03	56.4%	42.260	N	19.576	E	10	G	0.3	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).	
08	21	38	02.7?	6.67	N	72.95	W	145	?	1.0	11	NORTHERN COLOMBIA	
08	22	24	43.2	20.907	S	178.577	W	617		4.9	0.9	114 FIJI ISLANDS REGION	
08	22	41	37.4*	5.353	S	102.585	E	33	N	3.9	0.7	8 SOUTHERN SUMATERA, INDONESIA	
08	23	58	44.6%	60.226	N	153.512	W	177			69	SOUTHERN ALASKA. <AEIC>.	
09	00	14	37.4	44.342	N	7.535	E	10	G	0.6	16	NORTHERN ITALY. ML 2.5 (GEN).	
09	01	01	01.2%	63.020	N	148.133	W	11			52	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).	
09	02	06	16.2*	17.633	N	66.801	W	10	G	1.1	7	PUERTO RICO REGION	
09	02	09	47.4?	31.94	S	67.07	W	152	?	0.9	12	SAN JUAN PROVINCE, ARGENTINA	
09	02	21	16.7	39.048	N	29.616	E	9		3.6	45	TURKEY. MD 4.4 (THE). Felt at Kutahya.	
09	02	38	29.6*	29.591	N	51.319	E	33	N	4.0	0.6	7 SOUTHERN IRAN	
09	03	09	17.9	45.083	N	126.112	W	10	G	0.5	55	OFF COAST OF OREGON. MD 3.0 (SEA).	
09	03	38	40.4%	60.188	N	151.444	W	53			48	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).	
09	03	42	25.4%	39.878	N	122.020	W	17			5	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM).	
09	04	05	13.1?	50.28	N	18.97	E	10	G	1.5	4	POLAND. ML 2.8 (WAR).	
09	06	33	00.1%	39.323	N	27.638	E	10	G	0.4	8	TURKEY	
09	06	58	27.2	31.985	N	137.813	E	391	*	4.6	0.6	24 SOUTH OF HONSHU, JAPAN	
09	06	59	31.8%	59.235	N	145.045	W	10	G		30	GULF OF ALASKA. <AEIC>. ML 3.1 (AEIC).	
09	07	20	50.8?	41.40	N	24.98	E	10	G	0.7	6	GREECE-BULGARIA BORDER REGION	
09	08	17	50.3	36.174	N	31.394	E	79	*	4.2	1.0	26 TURKEY. MD 4.0 (HLW).	
09	10	30	30.4%	59.743	N	152.685	W	88			41	SOUTHERN ALASKA. <AEIC>.	
09	11	42	41.6?	38.14	N	22.43	E	10	G	0.2	8	GREECE. MD 2.5 (THE).	
09	12	08	38.6?	32.29	S	71.14	W	33	N	0.7	8	NEAR COAST OF CENTRAL CHILE	
09	12	19	18.5	0.904	N	87.389	W	10	G	5.0 5.0	1.2	77 GALAPAGOS ISLANDS REGION. Mo=1.6*10**17 Nm (PPT).	
09	14	20	16.0%	59.941	N	139.092	W	16			11	SOUTHEASTERN ALASKA. <AEIC>. ML 3.0 (AEIC).	
09	14	34	36.4%	62.782	N	149.282	W	70	G		42	CENTRAL ALASKA. <AEIC>.	
09	14	59	04.4%	59.505	N	151.926	W	68			74	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC).	
09	15	39	24.5	53.516	N	165.906	W	33	N	5.2 5.1	1.2	141 FOX ISLANDS, ALEUTIAN ISLANDS. Felt (III) at Unalaska. Also felt at Akutan Village.	
09	15	48	02.6*	53.801	N	166.079	W	33	N	4.9	0.8	20 FOX ISLANDS, ALEUTIAN ISLANDS	
09	16	10	04.8%	61.980	N	151.397	W	81			59	SOUTHERN ALASKA. <AEIC>.	
09	17	17	43.6?	3.81	N	76.94	W	33	N	0.7	4	COLOMBIA. MD 2.7 (UVC).	
09	17	19	15.8?	2.91	N	74.79	W	33	N	0.6	5	COLOMBIA. MD 4.1 (UVC).	
09	17	21	38.3?	30.76	N	97.01	E	10	G	1.3	7	XIJANG	
09	17	21	57.4	11.421	S	77.537	W	50	D	4.9 4.9	1.0	52 NEAR COAST OF PERU. Felt (IV) at Lima.	
09	17	22	05.4	1.804	N	31.293	E	33	N	5.7 5.4	1.0	236 UGANDA. Mo=5.0*10**17 Nm (PPT). Felt strongly at Kampala.	
09	19	47	01.5%	60.054	N	152.771	W	115			38	SOUTHERN ALASKA. <AEIC>.	
09	20	02	23.3	39.755	N	141.929	E	76		4.7	0.7	20 EASTERN HONSHU, JAPAN	
09	20	17	16.6	43.429	N	5.446	E	5	G		0.6	7	NEAR SOUTH COAST OF FRANCE. ML 2.8 (STR).
09	23	11	12.4	44.135	N	6.972	E	10	G		0.4	11	FRANCE. ML 2.3 (GEN).
10	00	06	14.4	13.950	S	167.242	E	200	D	5.1	1.0	148 VANUATU ISLANDS	
10	00	38	17.9	43.129	N	126.563	W	10	G	4.2	0.6	58 OFF COAST OF OREGON	
10	00	41	29.9	38.101	N	22.031	E	10	G		1.0	13	GREECE. MD 3.1 (ATH). 2.8 (THE).
10	00	43	53.6?	32.25	S	68.69	W	80	G		1.3	10	MENDOZA PROVINCE, ARGENTINA
10	01	32	29.4	17.505	S	174.535	W	152	D	5.3	1.1	164 TONGA ISLANDS. Mo=2.0*10**17 Nm (PPT).	
10	01	42	38.4?	19.11	N	64.86	W	10	G	0.3	8	VIRGIN ISLANDS	
10	01	47	59.3?	33.25	S	71.00	W	33	N	0.6	7	CHILE-ARGENTINA BORDER REGION	
10	02	05	11.7	40.804	N	29.221	E	10	G	0.6	6	TURKEY	
10	02	44	49.6	41.399	N	43.259	E	10	G	4.4	1.1	18 GEORGIA-ARMENIA-TURKEY BORD REG.	
10	03	13	33.8*	38.958	N	25.792	E	24	*	1.4	10	AEGEAN SEA. ML 3.3 (ATH).	
10	05	48	46.6%	40.452	N	23.094	E	10	G	0.6	6	GREECE. MD 2.0 (THE).	
10	06	10	03.9	42.331	N	25.128	E	5	G	1.0	13	BULGARIA. MD 3.2 (THE).	
10	06	18	26.5%	39.632	N	16.571	E	10	G	1.3	8	SOUTHERN ITALY	
10	06	32	16.7	6.935	N	73.145	W	171	*	3.7	0.9	18 NORTHERN COLOMBIA	
10	06	48	25.8%	39.642	N	16.557	E	10	G	1.4	10	SOUTHERN ITALY	
10	07	04	02.5*	31.656	S	57.778	E	10	G	5.1	0.9	14 SOUTHWEST INDIAN RIDGE	
10	07	19	24.2	39.639	N	16.652	E	10	G	1.4	19	SOUTHERN ITALY	
10	07	39	53.3*	36.016	N	15.553	E	10	G	0.9	9	SICILY	
10	07	49	10.5?	2.60	N	75.68	W	10	G	0.5	5	COLOMBIA. MD 3.1 (UVC).	
10	07	50	31.2?	33.09	S	70.90	W	33	N	1.5	8	CHILE-ARGENTINA BORDER REGION	
10	07	52	46.1*	17.657	N	101.041	W	77	?	1.4	9	NEAR COAST OF GUERRERO, MEXICO	
10	08	29	08.2?	2.73	N	75.03	W	10	G	0.6	6	COLOMBIA. MD 3.9 (UVC).	
10	08	52	37.5*	13.291	N	121.088	E	53	D	5.0	0.9	36 MINDORO, PHILIPPINE ISLANDS	
10	09	25	56.9%	37.815	N	15.008	E	10	G	0.7	11	SICILY	
10	09	27	56.9%	37.805	N	15.012	E	10	G	1.0	13	SICILY	
10	09	43	26.4?	31.78	S	69.10	W	33	N	1.1	7	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).	
10	10	33	20.2%	37.772	N	15.085	E	10	G	1.0	12	SICILY	
10	11	05	11.8?	3.42	N	76.46	W	33	N	0.2	5	COLOMBIA. MD 3.1 (UVC).	
10	11	41	08.8	40.658	N	15.976	E	10	G	1.2	12	SOUTHERN ITALY	
10	12	46	49.2%	43.908	N	7.781	E	10	G	0.3	6	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).	
10	13	01	00.6%	37.737	N	14.980	E	10	G	1.2	7	SICILY	
10	13	09	33.0	43.082	N	0.630	W	10	G	0.4	9	PYRENEES. ML 1.0 (STR).	
10	13	19	27.5?	33.61	N	138.54	E	33	N	4.2	0.4	7 SOUTH OF HONSHU, JAPAN	
10	14	05	33.1%	59.782	N	151.460	W	50			63	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).	
10	14	12	35.7%	44.326	N	8.059	E	10	G	0.9	6	NORTHERN ITALY. ML 1.5 (GEN).	

10	14	45	43.6	59.179	N	153.045	W	80	4.6	149	SOUTHERN ALASKA. <AEIC>. Felt (IV) at Port Graham and (II) at Homer.			
10	15	06	31.8	33.022	S	71.260	W	33	N	0.3	7	NEAR COAST OF CENTRAL CHILE		
10	15	33	15.6	44.96	N	3.41	E	10	G	0.2	6	FRANCE. ML 2.3 (STR).		
10	17	24	59.1	33.876	S	71.240	W	33	N	0.7	5	NEAR COAST OF CENTRAL CHILE		
10	18	50	03.5	39.708	N	29.736	E	10	G	0.7	6	TURKEY		
10	19	55	09.8	25.22	S	178.88	E	560	G	4.5	1.2	21	SOUTH OF FIJI ISLANDS	
10	20	09	51.9	33.466	S	70.947	W	10	G	0.1	5	CHILE-ARGENTINA BORDER REGION		
10	20	28	47.2	61.527	N	146.625	W	32			54	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).		
10	20	46	32.9	3.84	N	76.09	W	33	N	1.5	5	COLOMBIA. MD 2.7 (UVC).		
10	20	57	45.9	40.079	N	23.449	E	10	G	0.6	6	GREECE. MD 1.9 (THE).		
10	21	12	16.8	43.182	N	18.273	E	10	G	0.5	7	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).		
10	21	26	20.2	62.790	N	149.299	W	13			49	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 2.8 (PMR).		
10	22	28	57.1	42.303	N	19.446	E	10	G	0.2	9	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).		
10	22	47	25.8	37.91	N	22.06	E	10	G	1.0	9	SOUTHERN GREECE. ML 3.0 (ATH). MD 2.9 (THE).		
10	23	01	57.7	40.258	N	28.287	E	10	G	0.7	13	TURKEY		
10	23	06	05.8	40.09	N	28.18	E	10	G	0.4	5	TURKEY		
10	23	20	07.5	3.514	N	83.322	W	10	G	5.0	4.9	1.1	58	OFF COAST OF CENTRAL AMERICA
10	23	21	35.7	3.83	N	83.00	W	10	G	4.7	1.0	14	SOUTH OF PANAMA	
10	23	34	15.1	3.635	N	83.264	W	10	G	4.4	1.0	22	OFF COAST OF CENTRAL AMERICA	
10	23	34	51.4	38.411	N	22.130	E	10	G	1.3	11	GREECE. ML 3.0 (ATH). MD 2.6 (THE).		
10	23	50	39.2	18.14	N	76.26	W	10	G	0.1	6	JAMAICA REGION. MD 2.8 (HOJ).		
10	23	50	43.9	33.396	S	70.728	W	77	?	0.3	9	CHILE-ARGENTINA BORDER REGION		
11	00	14	38.2	37.598	N	16.511	E	10	G	1.4	17	IONIAN SEA		
11	00	47	02.1	40.689	N	15.798	E	10	G	1.2	8	SOUTHERN ITALY		
11	01	13	20.9	22.96	N	95.06	E	33	N	1.0	8	MYANMAR		
11	01	41	42.6	44.114	N	9.937	E	10	G	0.7	8	NORTHERN ITALY		
11	02	02	14.9	10.753	N	60.986	W	10	G	0.6	8	TRINIDAD. MD 2.8 (TRN).		
11	02	03	24.7	31.11	S	68.56	W	80	G	0.7	5	SAN JUAN PROVINCE, ARGENTINA		
11	02	16	30.3	29.573	S	177.535	W	33	N	5.2	1.2	48	KERMADEC ISLANDS, NEW ZEALAND	
11	02	26	29.0	21.926	N	105.213	E	10	G	4.1	1.4	7	SOUTHEAST ASIA. ML 4.1 (BJI).	
11	02	26	51.0	6.01	S	147.91	E	54	?	4.0	1.5	8	EASTERN NEW GUINEA REG., P.N.G.	
11	02	44	31.5	50.15	S	164.68	E	33	N	4.4	1.2	17	AUCKLAND ISLANDS REGION	
a 11	03	01	51.2	2.769	S	153.070	E	28	D	5.4	5.1	1.2	124	NEW IRELAND REGION, P.N.G. Mo=2.0*10**17 Nm (PPT).
11	03	07	53.3	51.216	N	176.959	W	33	N	5.0	1.3	14	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak.	
11	03	14	41.0	31.658	N	50.742	E	38		5.2	4.9	1.1	153	NORTHERN IRAN. Felt at Ardak.
11	03	43	11.8	50.998	N	176.625	W	33	N	4.6	0.8	11	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR). Felt (II) on Adak.	
11	04	41	04.0	37.219	N	20.983	E	10	G	3.4	1.5	25	IONIAN SEA. MD 3.7 (THE), 3.6 (ATH).	
11	04	51	26.4	37.018	N	21.022	E	10	G	1.2	14	SOUTHERN GREECE. MD 3.5 (THE), 3.4 (ATH).		
11	04	54	06.4	37.076	N	21.063	E	10	G	1.5	16	SOUTHERN GREECE. MD 3.4 (THE). ML 3.3 (ATH).		
11	05	32	58.1	31.99	S	71.56	W	33	N	0.5	9	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).		
11	05	42	33.9	24.841	N	122.084	E	10	G	4.2	0.3	5	TAIWAN REGION	
11	05	59	37.8	6.342	S	130.060	E	129	D	4.9	1.2	32	BANDA SEA	
11	06	11	27.1	26.326	S	27.510	E	5	G	1.4	11	REPUBLIC OF SOUTH AFRICA. mbLg 3.5 (BUL).		
11	06	35	45.8	30.80	S	71.73	W	70	G	1.3	12	NEAR COAST OF CENTRAL CHILE		
11	07	07	52.5	40.139	N	24.967	E	10	G	0.8	28	AEGEAN SEA. MD 3.3 (THE).		
11	07	21	30.2	5.585	S	154.298	E	113		5.2	0.8	64	SOLOMON ISLANDS	
11	07	49	13.7	41.087	N	22.415	E	10	G	0.3	7	NORTHWESTERN BALKAN REGION. MD 2.1 (THE).		
11	08	10	27.6	22.775	S	67.558	W	164	*	4.7	1.3	28	CHILE-BOLIVIA BORDER REGION	
11	09	49	55.3	53.821	N	155.195	E	406	D	4.5	0.8	66	KAMCHATKA	
11	09	50	43.3	52.83	N	154.54	E	33	N	5.0	1.3	12	NORTHWEST OF KURIL ISLANDS	
11	10	44	50.0	7.599	S	117.454	E	313	D	5.1	1.0	146	BALI SEA	
11	11	11	48.1	3.26	N	77.12	W	80	G	0.4	6	NEAR WEST COAST OF COLOMBIA. MD 3.2 (UVC).		
11	11	52	16.0	43.070	N	138.928	E	148	?	4.5	1.2	16	EASTERN SEA OF JAPAN	
11	12	51	16.5	58.545	N	143.586	W	10	G		42	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).		
11	13	15	47.2	42.388	N	19.762	E	10	G	0.4	11	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).		
11	13	49	44.8	63.291	N	151.380	W	8			34	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).		
11	14	11	06.7	61.760	N	151.220	W	75			72	SOUTHERN ALASKA. <AEIC>.		
11	14	19	59.6	42.374	N	19.338	E	38	*	0.2	8	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).		
11	14	50	04.8	42.399	N	19.281	E	20	*	0.2	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).		
11	14	51	10.0	42.398	N	19.295	E	20	*	0.2	8	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).		
11	16	12	30.3	16.890	S	174.173	W	131	D	5.0	1.3	91	TONGA ISLANDS	
11	16	38	25.7	31.82	S	71.71	W	60	G	0.6	7	NEAR COAST OF CENTRAL CHILE		
11	16	44	04.3	40.496	N	23.600	E	5	G	0.7	7	GREECE. MD 2.1 (THE).		
11	17	04	44.6	15.96	N	94.01	W	33	N	0.3	4	NEAR COAST OF OAXACA, MEXICO		
11	17	59	08.3	40.490	N	23.570	E	10	G	0.7	7	GREECE. MD 2.3 (THE).		
11	18	43	00.3	45.831	N	11.659	E	10	G	1.0	11	NORTHERN ITALY. ML 2.7 (VIE).		
11	19	08	33.9	42.407	N	19.807	E	10	G	0.4	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).		
11	19	23	31.6	51.633	N	16.259	E	10	G	0.7	15	POLAND. ML 3.8 (VIE), 3.8 (GRF).		
11	20	04	25.8	6.061	S	130.336	E	106	?	5.1	1.0	33	BANDA SEA	
11	20	22	16.2	20.599	S	178.501	W	613		5.0	1.1	107	FIJI ISLANDS REGION	
11	20	56	55.2	10.338	N	124.924	E	67	*	4.7	1.1	19	LEYTE, PHILIPPINE ISLANDS	
11	21	05	04.3	10.163	N	124.991	E	33	N	4.8	1.2	37	LEYTE, PHILIPPINE ISLANDS	
11	22	48	43.3	12.368	N	143.324	E	33	N	4.6	1.1	13	SOUTH OF MARIANA ISLANDS	
11	23	10	01.4	10.382	N	61.217	W	33	N		1.5	6	TRINIDAD. MD 2.6 (TRN).	
12	00	40	40.0	42.412	N	19.290	E	18	*	0.3	8	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).		
12	00	48	02.3	42.403	N	19.278	E	18	*	0.2	8	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).		
12	01	24	28.5	42.388	N	19.315	E	25	*	0.2	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).		
12	01	37	31.2	39.532	N	20.631	E	12		1.1	21	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH), 3.1 (THE).		
12	01	49	42.4	19.614	N	120.983	E	33	N	4.6	1.5	10	PHILIPPINE ISLANDS REGION	
12	02	25	35.0	51.20	N	15.64	E	10	G	1.2	5	POLAND		
12	03	09	43.6	37.804	N	1.968	W	5	G	1.7	5	SPAIN. mbLg 2.3 (MDD).		
12	03	12	06.5	40.617	N	22.920	E	5	G	0.5	6	GREECE. MD 1.7 (THE).		
12	03	40	11.3	40.594	N	22.878	E	5	G	0.5	8	GREECE. MD 2.3 (THE).		
12	04	11	41.9	24.275	N	95.421	E	33	N	0.7	7	MYANMAR		
12	05	00	54.3	60.244	N	151.069	W	59			63	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).		
12	05	08	36.3	22.798	N	121.536	E	8	D	5.1	4.8	1.3	86	TAIWAN REGION. ML 4.8 (BJI).
12	05	36	49.5	42.229	N	12.951	E	10	G	1.1	5	CENTRAL ITALY		
12	05	41	20.1	33.900	N	116.160	W	4			8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).		
12	05	51	11.6	58.216	N	142.892	W	10	G	4.2	83	GULF OF ALASKA. <AEIC>. ML 3.9 (AEIC), 4.4 (PMR).		
12	05	53	30.0	36.855	N	121.618	W	8			17	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).		
12	06	27	58.7	34.54	S	70.71	W	99	*	0.3	8	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).		

12	07	10	01.6%	40.682	N	23.653	E	10	G	0.3	5	GREECE. MD 1.8 (THE).	
12	07	32	07.4%	43.10	N	18.05	E	10	G	0.6	9	NORTHWESTERN BALKAN REGION. ML 2.5 (TTG).	
12	08	33	18.4%	31.920	N	115.850	W	6	G		11	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.6 (PAS).	
12	08	48	09.6%	2.35	N	93.41	W	10	G	4.4	16	GALAPAGOS ISLANDS REGION	
12	09	52	36.3%	2.72	S	152.88	E	43	?	4.0	1.1	11	NEW IRELAND REGION, P.N.G.
12	10	57	11.7%	37.008	N	5.391	W	10	G	1.1	7	SPAIN. mblg 2.8 (MDD).	
12	11	50	53.1%	33.900	N	116.160	W	4			14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).	
12	12	03	04.6%	31.580	N	115.620	W	6	G		4	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.4 (PAS).	
12	12	23	47.2	37.791	N	101.176	E	36	*	4.3	1.1	13	QINGHAI, CHINA
12	13	07	28.8%	5.261	S	151.956	E	67	*	4.0	1.1	15	NEW BRITAIN REGION, P.N.G.
12	13	52	12.5	21.681	N	119.700	E	33	4.2		0.6	11	TAIWAN REGION
12	14	39	32.0%	33.890	N	116.160	W	3			20	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). Felt (IV) at Palm Springs. Also felt at Indio and Palm Desert.	
12	14	44	46.7%	33.890	N	116.170	W	4			16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS).	
12	14	57	49.9%	33.890	N	116.160	W	3			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).	
12	15	00	48.4%	33.809	N	116.130	W	5	G	1.3	5	SOUTHERN CALIFORNIA. ML 2.4 (GS).	
12	15	21	35.1%	33.890	N	116.160	W	4			12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).	
12	15	24	51.3%	39.79	N	113.88	E	10	G	0.3	4	NORTHEASTERN CHINA. ML 3.5 (BJI).	
12	15	54	14.1%	44.574	N	7.232	E	10	G	0.2	7	NORTHERN ITALY. ML 1.5 (GEN).	
12	16	22	28.5%	35.84	N	22.38	E	56	?	4.4	1.2	12	CENTRAL MEDITERRANEAN SEA
12	16	26	24.8	13.742	S	166.673	E	44	G	5.9 6.1	1.2	331	VANUATU ISLANDS. Ms 5.9 (BRK). Mo=2.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
12	16	32	37.9	40.199	N	25.640	E	12	4.8	1.0	95	AEGEAN SEA. MD 4.5 (THE), 4.4 (ATH). Felt (III) in southeastern Bulgaria. Also felt at Gokceada and in the Canakkale area, Turkey.	
12	16	37	41.4	40.195	N	25.626	E	10	G	0.7	34	AEGEAN SEA. MD 3.5 (THE). ML 3.5 (ATH).	
12	16	58	13.0%	40.308	N	124.663	W	17			8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK).	
12	17	56	37.7%	41.593	N	20.873	E	10	G	0.5	9	ALBANIA. MD 2.6 (THE).	
12	18	19	42.9	37.513	N	23.514	E	10	G	1.1	13	SOUTHERN GREECE. MD 3.5 (ATH), 3.3 (THE).	
12	18	42	38.4	7.025	S	130.124	E	140	*	5.0	1.0	24	TANIMBAR ISLANDS REG., INDONESIA
12	18	59	21.4%	15.43	N	98.34	W	33	N	4.0	1.1	8	OFF COAST OF GUERRERO, MEXICO
12	20	07	05.0%	17.084	S	168.121	E	33	N	4.6 4.8	1.2	25	VANUATU ISLANDS
12	20	33	27.4%	31.794	S	71.622	W	33	N		0.7	8	NEAR COAST OF CENTRAL CHILE
12	20	49	22.8	40.164	N	25.585	E	10	G	0.6	14	AEGEAN SEA. MD 3.0 (ATH), 2.8 (THE).	
12	21	00	17.8	40.190	N	25.625	E	10	G	1.0	19	AEGEAN SEA. MD 2.9 (THE), 2.9 (ATH).	
12	21	54	33.0%	59.894	N	152.989	W	117	4.1		100	SOUTHERN ALASKA. <AEC>.	
12	21	56	12.9%	31.591	S	69.437	W	110	G	0.9	10	SAN JUAN PROVINCE, ARGENTINA	
12	23	03	51.7%	61.934	N	148.482	W	36			43	SOUTHERN ALASKA. <AEC>. ML 2.5 (AEC).	
13	00	46	55.2	1.796	S	134.102	E	33	N	4.8	0.7	23	IRIAN JAYA REGION, INDONESIA
13	00	47	47.9%	34.02	S	68.24	W	10			0.7	12	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN).
13	00	55	18.7	2.325	N	127.620	E	24	D	5.0	1.0	32	NORTHERN MOLUCCA SEA
13	00	57	53.2	2.453	N	127.727	E	27	D	5.6 5.5	1.3	132	NORTHERN MOLUCCA SEA. Mo=3.0*10**18 Nm (PPT).
13	01	46	12.1%	9.746	N	126.690	E	33	N	4.8	1.2	13	MINDANAO, PHILIPPINE ISLANDS
13	03	31	50.6%	40.809	N	22.920	E	10	G	0.3	8	GREECE. MD 2.1 (THE).	
13	03	47	37.3%	52.684	N	158.961	E	33	N	4.6	0.9	12	NEAR EAST COAST OF KAMCHATKA
13	03	54	31.2%	34.31	S	70.82	W	80	G		0.4	5	CHILE-ARGENTINA BORDER REGION
13	04	33	27.4%	39.562	N	28.852	E	10	G	0.4	14	TURKEY	
13	04	43	50.0%	39.541	N	21.151	E	10	G	1.1	5	GREECE. MD 2.2 (THE).	
13	05	18	31.5%	39.575	N	21.207	E	10	G	1.0	10	GREECE. MD 2.5 (THE).	
13	06	12	23.7%	2.422	N	126.903	E	33	N	5.0	1.1	28	NORTHERN MOLUCCA SEA
13	07	28	27.5%	27.866	N	51.748	E	33	N	4.3	1.1	16	PERSIAN GULF
13	07	46	29.8	39.877	N	22.366	E	11			0.8	12	GREECE
13	07	55	50.6%	20.504	S	69.149	W	116	*	4.5	1.6	12	NORTHERN CHILE
13	09	26	27.8%	43.69	N	12.78	E	10	G	0.6	6	CENTRAL ITALY	
13	11	39	02.0%	2.480	N	76.991	W	90	G	0.4	7	COLOMBIA. MD 4.1 (UVC).	
13	11	45	52.9%	32.15	S	72.02	W	33	N	0.6	9	OFF COAST OF CENTRAL CHILE	
13	12	55	12.5%	17.499	N	95.660	W	106	*	3.9	1.3	13	OAXACA, MEXICO
13	13	44	53.6%	4.691	S	129.422	E	137	*	4.8	1.3	20	BANDA SEA
13	14	15	21.8%	39.535	N	21.188	E	10	G	0.7	10	GREECE	
13	14	23	50.4%	42.154	N	125.287	W	5	G		5	OFF COAST OF OREGON. <SEA>.	
13	14	25	40.7%	38.345	N	22.123	E	5	G	1.6	12	GREECE. ML 3.0 (ATH).	
13	15	25	14.2%	41.83	N	11.88	E	10	G	0.7	4	TYRRHENIAN SEA	
13	15	33	00.2%	4.04	N	77.04	W	33	N	0.5	5	NEAR WEST COAST OF COLOMBIA. MD 3.3 (UVC).	
13	15	33	06.4%	34.01	S	70.61	W	10	G	0.8	10	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).	
13	15	38	23.3	27.789	N	53.017	E	22	*	4.7	1.3	20	SOUTHERN IRAN
13	16	07	34.0%	31.863	S	70.362	W	132	4.7	0.9	18	CHILE-ARGENTINA BORDER REGION. Felt (III) at Salamanca and (II) at Santiago, Chile.	
13	16	27	03.6%	37.340	N	2.381	W	10	G	0.8	6	SPAIN. mblg 2.7 (MDD).	
13	17	21	37.7%	40.329	N	21.244	E	5	G	0.7	9	GREECE	
13	17	41	36.0%	37.999	N	21.378	E	33	N	1.2	13	SOUTHERN GREECE	
13	17	43	45.3%	61.816	N	154.118	W	0			26	SOUTHERN ALASKA. <AEC>. ML 2.6 (AEC).	
13	18	12	20.3%	56.097	S	122.633	W	10	G	5.2 6.2	1.3	83	SOUTHERN EAST PACIFIC RISE. Ms 6.3 (BRK). Mo=5.0*10**18 Nm (PPT).
13	18	49	32.1%	34.33	S	70.30	W	10	G	0.3	9	CHILE-ARGENTINA BORDER REGION	
13	19	03	18.1%	31.80	S	67.33	W	125	?	0.7	10	SAN JUAN PROVINCE, ARGENTINA	
13	19	03	38.1%	26.24	N	140.25	E	189	?	4.0	1.6	8	BONIN ISLANDS REGION
13	21	00	11.1%	31.32	S	69.11	W	100	G	0.5	4	SAN JUAN PROVINCE, ARGENTINA	
13	23	12	57.6%	59.899	N	152.444	W	88			55	SOUTHERN ALASKA. <AEC>.	
14	00	05	55.7%	40.103	N	22.742	E	10	G	0.2	10	GREECE	
14	00	37	14.7%	2.61	N	75.76	W	33	N	0.2	6	COLOMBIA. MD 3.5 (UVC).	
14	01	16	14.1	42.304	N	19.544	E	13	*	0.4	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).	
14	01	42	41.2%	17.678	N	94.667	W	113	?	0.5	7	CHIAPAS, MEXICO	
14	02	49	37.5%	3.867	N	76.773	W	33	N	1.1	5	COLOMBIA. MD 3.1 (UVC).	
14	03	16	14.2%	44.379	N	6.987	E	10	G	0.3	8	FRANCE. ML 2.3 (GEN).	
14	03	44	34.4	40.160	N	25.682	E	5	G	1.5	13	AEGEAN SEA	
14	04	38	09.0	40.177	N	25.591	E	5	G	1.1	17	AEGEAN SEA	
14	04	38	17.3%	6.805	N	73.060	W	158	*	4.0	1.0	15	NORTHERN COLOMBIA
14	05	03	30.7%	44.44	N	7.32	E	5	G	0.0	4	NORTHERN ITALY. ML 1.4 (GEN).	
14	05	55	25.1	6.045	S	154.442	E	418	5.2	0.9	66	SOLOMON ISLANDS	
14	06	55	13.5%	2.534	N	128.033	E	33	N	4.7	1.6	10	HALMAHERA, INDONESIA
14	06	57	23.0%	2.44	N	127.76	E	33	N	4.6	1.7	10	NORTHERN MOLUCCA SEA
14	07	29	37.4%	36.482	N	11.566	W	33	N	1.3	17	NORTH ATLANTIC OCEAN MD 3.6 (RBA). mblg 3.1 (MDD).	
14	07	37	51.4%	40.192	N	25.647	E	10	G	1.2	7	AEGEAN SEA	



14	08	09	53.67	16.96	N	60.79	W	33	N	0.4	7	LEEWARD ISLANDS. ML 2.9 (FDF).
14	08	18	29.7	23.977	N	122.634	E	45	? 4.3	1.1	15	TAIWAN REGION
14	08	20	09.5	1.773	N	127.312	E	137	5.0	0.7	21	HALMAHERA, INDONESIA
14	08	29	46.3	39.694	N	20.681	E	16	3.7	1.2	47	GREECE-ALBANIA BORDER REGION. ML 3.8 (ATH).
14	09	18	02.27	2.30	N	74.86	W	33	N	0.2	4	COLOMBIA. MD 3.2 (UVC).
14	09	57	35.17	18.81	N	65.72	W	33	N	0.4	8	PUERTO RICO REGION
14	10	49	15.9	40.563	N	20.682	E	10	G	1.6	11	GREECE-ALBANIA BORDER REGION
14	12	47	02.9%	42.409	N	19.809	E	10	G	0.2	9	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
14	12	57	02.5%	19.794	S	133.855	E	10	G	1.0	6	NORTHERN TERRITORY, AUSTRALIA
14	13	42	18.87	31.57	S	68.76	W	90	G	0.4	5	SAN JUAN PROVINCE, ARGENTINA
14	14	02	34.77	4.66	S	144.35	E	160	? 4.0	1.4	6	NEAR N COAST OF NEW GUINEA, PNG.
d 14	14	35	55.7	18.094	S	178.442	W	583	5.3	1.1	121	FIJI ISLANDS REGION
14	14	56	06.27	42.89	N	18.96	E	5	G	0.8	4	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
14	15	07	18.77	4.20	N	76.22	W	110	G	0.6	6	COLOMBIA. MD 3.6 (UVC).
14	15	23	21.6	51.212	N	15.734	E	10	G	1.6	7	POLAND. ML 2.8 (WAR).
14	15	46	46.97	14.28	N	90.80	W	32	* 4.4	1.2	11	GUATEMALA
f 14	15	58	12.7	9.094	S	158.442	E	23	D 6.3 7.1	1.3	377	SOLOMON ISLANDS. Ms 7.0 (BRK). Mo=8.0*10**19 Nm (PPT). Felt strongly throughout the Solomon Islands. Two events about 18 seconds apart observed on broadband displacement seismograms.
14	15	59	15.6	4.533	S	135.564	E	33	N 5.3	1.0	49	IRIAN JAYA REGION, INDONESIA
14	16	16	57.2	9.080	S	158.599	E	31	D 5.9 6.4	0.9	227	SOLOMON ISLANDS. Felt on Santa Isabel.
14	16	53	15.4	11.326	N	60.004	W	10	G 4.2	0.9	27	WINDWARD ISLANDS. MD 4.3 (TRN). Felt on Tobago.
14	16	55	53.0	9.026	S	158.356	E	19	D 5.5 6.1	0.9	91	SOLOMON ISLANDS
14	17	57	25.47	39.38	N	26.96	E	10	G	0.1	4	TURKEY
14	18	16	23.2	8.940	S	158.230	E	22	D 4.9	1.1	43	SOLOMON ISLANDS
14	18	30	39.37	9.11	S	158.68	E	33	N 4.4	1.2	5	SOLOMON ISLANDS
14	18	58	18.57	40.51	N	27.84	E	10	G	0.2	4	TURKEY
14	19	10	06.1	9.133	S	158.671	E	33	N 3.9	0.6	11	SOLOMON ISLANDS
14	19	20	44.3	4.611	S	102.854	E	84	* 4.3	0.5	11	SOUTHERN SUMATERA, INDONESIA
14	19	31	51.8	9.207	S	158.728	E	26	D 4.9 5.0	1.0	44	SOLOMON ISLANDS
14	19	50	21.7%	41.699	N	12.830	E	5	G	0.7	8	SOUTHERN ITALY
14	19	54	00.3	36.629	N	141.113	E	52	4.6	1.2	42	NEAR EAST COAST OF HONSHU, JAPAN
14	19	56	08.4	9.176	S	158.339	E	25	D 4.8 4.7	0.9	41	SOLOMON ISLANDS. Felt at Honiara.
14	20	17	44.07	38.86	N	22.50	E	5	G	0.4	5	GREECE
14	20	34	46.5	52.917	N	175.389	W	235	4.6	0.9	64	ANDREANOF ISLANDS, ALEUTIAN IS.
14	20	36	18.2	9.220	S	158.824	E	34	D 4.9	1.1	24	SOLOMON ISLANDS. Felt at Honiara.
14	20	40	47.7	44.088	N	19.138	E	10	G	1.3	18	NORTHWESTERN BALKAN REGION. ML 3.1 (TTG).
14	20	56	13.5	45.452	N	21.129	E	11		1.2	22	ROMANIA. MG 4.0 (BEO).
14	21	59	34.67	4.22	N	76.94	W	33	N	0.9	5	COLOMBIA. MD 3.1 (UVC).
14	22	32	52.1	17.256	S	174.368	W	181	? 4.5	1.0	16	TONGA ISLANDS
14	22	43	31.6	40.231	N	25.185	E	29		0.5	19	AEGEAN SEA
14	23	16	11.8	40.176	N	25.254	E	10	G	0.6	37	AEGEAN SEA. ML 3.8 (ATH).
15	00	31	42.2	6.879	N	73.099	W	161	* 4.4	1.2	18	NORTHERN COLOMBIA
15	01	00	21.3%	45.197	N	7.061	E	5	G	0.4	6	NORTHERN ITALY. ML 2.1 (GEN).
15	01	06	08.17	7.19	N	75.34	W	33	N	0.8	7	NORTHERN COLOMBIA
15	02	12	07.4	36.223	N	27.023	E	10	G	1.6	5	DODECANESE ISLANDS. MD 3.5 (ATH).
15	02	43	22.6	23.025	S	66.343	W	262	?	1.1	15	JUJUY PROVINCE, ARGENTINA
15	03	02	34.4	39.449	N	25.512	E	5	G	1.2	14	AEGEAN SEA
15	03	10	21.2	5.466	N	82.513	W	33	N 4.0	1.0	17	SOUTH OF PANAMA
15	03	12	32.1	34.426	N	46.694	E	10	4.4	1.4	41	WESTERN IRAN. Felt at Bakhtaran and Hamadan.
15	03	30	22.1	9.029	S	158.214	E	16	D 5.0	0.9	47	SOLOMON ISLANDS. Felt at Honiara.
15	04	03	55.7%	2.442	N	77.273	W	90	G	0.6	6	NEAR WEST COAST OF COLOMBIA. MD 4.0 (UVC).
15	04	26	29.07	8.81	S	158.01	E	33	N 4.3	1.7	7	SOLOMON ISLANDS. Felt at Honiara.
15	05	02	50.7%	40.417	N	28.386	E	10	G	0.2	5	TURKEY
15	05	29	30.9%	39.830	N	28.376	E	10	G	0.7	5	TURKEY
15	05	34	50.3%	17.847	N	77.198	W	10	G	0.1	5	JAMAICA REGION. MD 2.5 (MOJ).
15	06	26	33.2%	40.458	N	20.760	E	10	G	1.1	6	GREECE-ALBANIA BORDER REGION
15	06	46	59.8	38.967	N	26.684	E	10	G	0.4	7	AEGEAN SEA
15	07	10	33.67	31.08	S	69.19	W	110	G	0.2	4	SAN JUAN PROVINCE, ARGENTINA
15	07	44	00.0	63.507	N	150.068	W	33	N	0.5	5	CENTRAL ALASKA. ML 3.1 (PMR).
15	07	45	11.5	10.456	N	62.719	W	45	4.9	1.2	67	NEAR COAST OF VENEZUELA. Felt at Ciudad Bolivar.
15	07	55	04.97	44.53	N	3.11	E	5	G	0.4	5	FRANCE. ML 2.2 (STR).
15	08	06	50.47	40.60	N	15.82	E	10	G	0.2	4	SOUTHERN ITALY
a 15	09	07	17.4	9.131	S	158.395	E	26	D 5.1 4.8	1.2	66	SOLOMON ISLANDS
15	09	18	03.27	34.35	S	70.20	W	10	G	0.2	6	CHILE-ARGENTINA BORDER REGION
15	09	28	19.27	39.13	N	27.62	E	10	G	0.2	4	TURKEY
15	10	34	36.3	9.121	S	158.400	E	33	N 4.3	0.7	11	SOLOMON ISLANDS
15	10	56	22.2	16.807	S	177.220	E	17	* 4.7	1.6	14	FIJI ISLANDS. ML 4.5 (SVA).
15	13	16	32.17	33.53	S	72.06	W	10	G	1.1	7	OFF COAST OF CENTRAL CHILE
15	13	25	32.77	31.94	S	69.38	W	100	G	1.0	7	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
15	14	08	37.1%	42.753	N	18.475	E	10	G	0.2	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
15	15	26	39.87	35.54	N	22.61	E	33	N	0.8	11	CENTRAL MEDITERRANEAN SEA. ML 3.1 (ATH).
15	15	34	20.4%	33.553	S	72.123	W	10	G	0.5	10	OFF COAST OF CENTRAL CHILE
15	15	51	52.57	3.91	N	77.01	W	33	N	0.1	4	NEAR WEST COAST OF COLOMBIA. MD 2.5 (UVC).
f 15	16	18	01.7	6.494	S	130.043	E	137	G 5.9	1.1	326	BANDA SEA. Mo=3.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
15	17	54	06.6	9.172	S	158.458	E	33	N 4.5	0.7	13	SOLOMON ISLANDS
15	18	46	36.67	16.74	N	100.12	W	33	N	1.2	5	NEAR COAST OF GUERRERO, MEXICO
15	18	47	57.5	9.271	S	158.888	E	33	N 4.1	0.5	9	SOLOMON ISLANDS
15	18	48	19.8%	41.285	N	22.571	E	10	G	0.6	8	NORTHWESTERN BALKAN REGION
15	19	11	00.9	30.565	N	79.311	E	33	N 4.5	1.1	29	XIJANG-INDIA BORDER REGION
15	19	32	29.77	17.87	N	66.87	W	33	N	0.8	5	PUERTO RICO REGION
15	19	48	42.27	40.66	N	26.01	E	10	G	0.4	5	TURKEY
15	20	20	09.2	43.910	N	87.077	E	30	D 4.3	0.9	13	NORTHERN XINJIANG, CHINA
15	22	40	06.3	16.928	N	99.370	W	33	N	1.5	8	NEAR COAST OF GUERRERO, MEXICO
15	23	00	55.0	34.433	N	26.240	E	21	5.2	1.4	223	CRETE
15	23	15	28.8%	40.375	N	106.110	E	10	G	0.7	5	WESTERN NEI MONGOL, CHINA. ML 3.7 (BJI).
15	23	56	48.3%	16.351	N	61.158	W	33	N	0.3	8	LEEWARD ISLANDS. ML 1.9 (FDF).
16	01	36	08.5	57.260	N	152.551	W	47		35	KODIAK ISLAND REGION. <AEIC> ML 2.9 (AEIC).	
16	03	04	45.9	43.977	N	16.323	E	10	G	1.2	10	NORTHWESTERN BALKAN REGION
16	03	06	14.9	9.633	S	119.806	E	46	D 5.2	1.5	64	SUMBA REGION, INDONESIA
16	03	50	59.2%	46.739	N	2.930	E	10	G	0.5	9	FRANCE ML 2.1 (LDG).

16	04 41 10.9%	40.534 N	15.732 E	10 G	0.5	9	SOUTHERN ITALY
16	05 11 33.07	31.32 S	69.13 W	100 G	0.5	4	SAN JUAN PROVINCE, ARGENTINA
16	05 25 19.9*	7.508 S	128.117 E	151 *	1.2	28	BANDA SEA
16	06 05 55.0	32.456 N	142.312 E	35 D	0.9	101	SOUTH OF HONSHU, JAPAN
16	06 59 59.67	7.28 S	129.83 E	130 ?	1.7	6	BANDA SEA
16	07 44 55.3%	61.906 N	5.169 E	10 G	0.5	5	SOUTHERN NORWAY. MD 1.3 (BER).
16	08 11 44.0*	12.489 N	59.980 W	33 N	1.3	24	WINDWARD ISLANDS. ML 4.4 (FDF).
16	08 12 07.7%	39.719 N	22.269 E	10 G	0.5	8	GREECE
16	08 44 38.5%	60.708 N	151.658 W	72	55		KENAI PENINSULA, ALASKA. <AEIC>.
16	09 12 35.0	44.271 N	6.897 E	10 G	0.9	16	FRANCE. ML 2.4 (GEN), 2.4 (LDG).
16	09 51 33.5%	41.141 N	28.479 E	10 G	0.3	8	TURKEY
16	09 55 48.4%	40.087 N	23.652 E	10 G	1.3	8	GREECE
16	10 05 59.3*	24.606 S	69.022 W	100 D	1.6	20	NORTHERN CHILE
16	10 53 54.8*	4.729 S	143.708 E	116 *	0.9	17	NEW GUINEA, PAPUA NEW GUINEA
16	11 22 30.3%	57.025 N	154.400 W	69	38		KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
16	11 34 54.37	14.06 S	167.28 E	207 ?	1.1	49	VANUATU ISLANDS
16	11 46 19.0%	44.381 N	7.043 E	10 G	0.3	7	NORTHERN ITALY. ML 2.1 (GEN).
16	11 49 55.87	4.39 S	134.61 E	33 N	1.6	5	IRIAN JAYA REGION, INDONESIA
16	11 53 54.1	10.427 S	123.699 E	33 N	1.2	49	TIMOR REGION, INDONESIA
16	12 59 41.8	39.715 N	22.292 E	10 G	0.9	7	GREECE
16	13 01 30.5%	39.721 N	22.175 E	10 G	0.7	7	GREECE
16	13 06 45.9*	4.624 S	134.344 E	33 N	1.4	11	IRIAN JAYA REGION, INDONESIA
16	13 10 37.5%	39.711 N	22.257 E	10 G	0.5	8	GREECE
16	13 14 53.2%	63.443 N	144.366 W	8	10		CENTRAL ALASKA. <AEIC>. ML 3.3 (PMR).
16	13 36 32.57	16.18 N	60.97 W	10 G	0.6	4	LEEWARD ISLANDS. ML 1.4 (FDF).
16	14 02 10.27	39.58 N	15.98 E	10 G	0.1	4	SOUTHERN ITALY
16	14 07 13.5%	36.857 N	121.620 W	8	12		CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
16	16 29 20.2*	34.742 N	58.921 E	33 N	1.1	14	NORTHERN IRAN. Felt at Kashmar.
16	16 40 11.37	4.26 N	76.33 W	110 G	0.8	6	COLOMBIA. MD 3.3 (UVC).
16	17 06 22.4*	10.502 S	123.878 E	59 ?	1.6	24	TIMOR REGION, INDONESIA
16	17 18 57.27	3.84 N	77.01 W	33 N	0.6	6	NEAR WEST COAST OF COLOMBIA. MD 3.5 (UVC).
16	17 23 57.37	49.09 N	0.72 W	10 G	0.5	4	FRANCE. ML 2.7 (LDG).
16	17 39 30.0*	48.406 N	155.284 E	29 D	1.2	83	KURIL ISLANDS
16	17 52 52.37	7.03 N	73.12 W	150 G	0.9	6	NORTHERN COLOMBIA
16	17 56 45.77	3.93 N	76.96 W	33 N	0.2	4	COLOMBIA. MD 2.7 (UVC).
16	18 16 33.8*	6.918 S	155.547 E	33 N	0.7	11	SOLOMON ISLANDS
16	18 19 41.6%	39.676 N	118.484 E	10 G	1.7	6	NORTHEASTERN CHINA. ML 3.7 (BJI).
16	18 33 05.87	16.52 N	98.73 W	33 N	1.6	5	NEAR COAST OF GUERRERO, MEXICO
16	18 55 49.47	36.92 N	27.57 E	10 G	0.2	5	DODECANESE ISLANDS
16	22 15 13.2%	2.655 N	77.949 W	33 N	0.2	6	NEAR WEST COAST OF COLOMBIA
16	23 31 11.17	32.93 S	72.12 W	10 G	0.4	7	OFF COAST OF CENTRAL CHILE
16	23 32 16.77	48.84 N	154.97 E	33 N	0.8	14	KURIL ISLANDS
16	23 42 15.27	3.66 N	77.04 W	33 N	0.1	4	NEAR WEST COAST OF COLOMBIA. MD 2.4 (UVC).
17	01 01 45.7%	40.050 N	29.074 E	10 G	0.5	7	TURKEY
17	01 04 00.6*	32.255 S	177.295 W	33 N	0.9	10	SOUTH OF KERMADEC ISLANDS
17	01 07 30.57	6.96 N	73.08 W	156 ?	0.8	9	NORTHERN COLOMBIA
17	01 52 33.47	17.14 N	61.99 W	23 *	0.2	7	LEEWARD ISLANDS. ML 2.7 (FDF).
17	02 42 51.0*	37.214 N	29.381 E	10 G	0.4	5	TURKEY
17	04 13 41.67	32.33 S	178.60 W	33 N	1.3	15	SOUTH OF KERMADEC ISLANDS
17	04 19 49.4*	7.008 S	127.823 E	338 *	0.8	10	BANDA SEA
17	04 28 28.1%	62.044 N	151.502 W	96	60		CENTRAL ALASKA. <AEIC>.
17	04 36 38.3%	61.209 N	151.427 W	69	50		SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
17	04 48 14.07	34.37 S	70.79 W	80 G	0.4	10	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
17	05 13 40.4%	43.255 N	18.982 E	5 G	0.2	7	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
a 17	05 20 57.8	4.524 S	135.375 E	23 D	1.2	165	IRIAN JAYA REGION, INDONESIA. Ms 5.7 (BRK). Mo=6.0*10**17 Nm (PPT).
17	05 35 27.3%	60.103 N	152.932 W	111	61		SOUTHERN ALASKA. <AEIC>.
17	05 42 48.97	2.11 N	76.09 W	33 N	1.0	7	COLOMBIA. MD 4.5 (UVC).
a 17	09 05 20.2	15.300 S	173.556 W	36 G	1.2	327	TONGA ISLANDS. Ms 6.2 (BRK). Mo=8.0*10**17 Nm (PPT). Felt strongly at Apia. Depth from broadband displacement seismograms.
17	09 16 28.6*	17.911 N	119.890 E	33 N	1.1	10	PHILIPPINE ISLANDS REGION
17	10 26 39.47	15.72 N	60.74 W	10 G	0.5	5	LEEWARD ISLANDS. ML 3.5 (FDF).
17	11 02 57.67	6.21 S	135.33 E	33 N	1.1	7	ARU ISLANDS REGION, INDONESIA
17	11 49 54.6%	59.243 N	153.493 W	100	46		SOUTHERN ALASKA. <AEIC>.
17	12 24 47.67	42.74 N	24.32 E	5 G	0.6	6	BULGARIA
17	12 32 54.8%	62.752 N	149.181 W	74	68		CENTRAL ALASKA. <AEIC>.
17	13 22 47.6%	63.821 N	148.503 W	97	42		CENTRAL ALASKA. <AEIC>.
17	14 09 09.67	4.78 S	135.74 E	33 N	1.6	10	IRIAN JAYA REGION, INDONESIA
17	14 30 27.3%	32.653 S	71.184 W	33 N	0.3	8	NEAR COAST OF CENTRAL CHILE
17	14 37 51.4*	45.234 N	21.108 E	10 G	0.8	9	ROMANIA. MG 3.5 (BEO).
17	15 02 14.1*	45.382 N	21.167 E	10 G	1.7	10	ROMANIA. MG 3.4 (BEO).
17	15 17 11.3%	11.544 N	68.399 W	11	0.8	9	NEAR COAST OF VENEZUELA. Felt at Maracay and Valencia.
17	15 41 50.2*	35.781 N	53.457 E	33 N	1.1	8	NORTHERN IRAN. Felt at Semnan.
o 17	15 43 25.6	17.971 S	178.654 W	556 D	1.0	200	FIJI ISLANDS REGION
17	15 49 06.07	5.34 S	135.38 E	33 N	0.8	6	IRIAN JAYA REGION, INDONESIA
17	16 46 24.5	28.925 S	178.006 W	31 D	1.5	51	KERMADEC ISLANDS REGION
17	16 57 27.1	42.936 N	144.998 E	65 D	0.9	149	HOKKAIDO, JAPAN REGION
a 17	17 46 56.8	86.986 N	63.221 E	10 G	1.0	139	NORTH OF FRANZ JOSEF LAND
17	18 11 57.5	53.110 N	159.615 E	32 D	1.0	79	NEAR EAST COAST OF KAMCHATKA
17	19 16 27.47	36.42 N	53.13 E	33 N	1.7	7	NORTHERN IRAN. Felt at Semnan.
17	19 36 44.9*	28.929 N	43.548 W	10 G	0.8	26	NORTHERN MID-ATLANTIC RIDGE
17	20 49 50.5%	57.745 N	142.625 W	10 G	7		GULF OF ALASKA. <AEIC>. ML 2.5 (AEIC).
17	21 01 52.0	28.670 N	43.628 W	10 G	0.9	31	NORTHERN MID-ATLANTIC RIDGE
a 17	21 02 51.2	28.533 N	43.551 W	10 G	1.0	73	NORTHERN MID-ATLANTIC RIDGE
17	21 30 07.2*	28.611 N	43.538 W	10 G	1.2	25	NORTHERN MID-ATLANTIC RIDGE
17	21 32 19.1*	14.775 S	71.552 W	119 ?	1.3	9	CENTRAL PERU
17	21 33 30.7*	17.830 S	175.476 W	269 D	1.2	53	TONGA ISLANDS
17	21 58 02.27	60.66 N	3.97 E	10 G	0.1	4	NORTH SEA. MD 1.5 (BER).
17	22 33 42.0%	40.337 N	22.402 E	10 G	0.5	8	GREECE
17	22 45 55.0%	42.961 N	17.878 E	10 G	0.6	10	ADRIATIC SEA. ML 2.2 (TTG).
17	23 28 21.9%	40.054 N	32.411 E	10 G	1.2	5	TURKEY
17	23 31 02.37	48.65 N	3.14 E	10 G	1.2	7	FRANCE. ML 2.2 (LDG).

18	00	26	35	97	32.39	S	71.59	W	10	G		0.6	8	NEAR COAST OF CENTRAL CHILE
18	01	32	31.67	49.50	S	164.57	E	33	N	4.6	1.0	14	AUCKLAND ISLANDS REGION	
18	02	04	26.3	37.038	N	33.761	E	10	G		0.7	12	TURKEY	
18	02	31	56.7	16.980	N	61.272	W	31			0.2	9	LEEWARD ISLANDS ML 2.9 (FDF).	
18	02	49	51.8	45.633	N	122.896	W	20				86	WASHINGTON-OREGON BORDER REGION. <SEA>. MD 3.1 (SEA). Felt at Battle Ground and Vancouver, Washington. Also felt at North Plains and Scappoose, Oregon.	
18	02	50	46.57	38.93	N	27.92	E	10	G		0.4	4	TURKEY	
18	03	12	47.3	41.214	N	24.027	E	8			0.9	38	GREECE-BULGARIA BORDER REGION. MD 3.7 (THE), 3.5 (ATH).	
18	03	52	05.6	23.725	N	121.869	E	10	G	4.7	1.1	41	TAIWAN	
18	04	06	39.27	3.75	N	76.30	W	100	G		0.2	4	COLOMBIA. MD 2.7 (UVC).	
18	04	11	44.37	31.58	S	68.03	W	33	N		1.6	4	SAN JUAN PROVINCE, ARGENTINA	
18	04	41	20.6	42.943	N	12.950	E	10	G		1.4	6	CENTRAL ITALY	
18	04	45	02.97	42.97	N	13.07	E	10	G		0.2	4	CENTRAL ITALY	
18	05	53	12.7	39.157	N	143.376	E	28	D	4.9	0.9	32	OFF EAST COAST OF HONSHU, JAPAN	
18	06	19	13.3	41.135	N	28.681	E	10	G		0.1	6	TURKEY	
18	06	32	28.3	44.479	N	6.154	E	10	G		0.5	6	FRANCE. ML 2.4 (LDG).	
18	08	13	03.57	3.81	N	76.09	W	110	G		0.5	4	COLOMBIA. MD 2.7 (UVC).	
18	08	34	46.27	31.14	S	68.34	W	10	G		1.1	9	SAN JUAN PROVINCE, ARGENTINA	
18	08	56	15.4	16.786	N	121.043	E	33	N	4.8	1.7	14	LUZON, PHILIPPINE ISLANDS	
18	09	01	04.1	60.640	N	151.017	W	51				42	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).	
18	09	04	02.3	42.703	N	18.586	E	10	G		0.4	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).	
18	09	06	50.5	32.088	S	70.067	W	90	G		0.8	9	CHILE-ARGENTINA BORDER REGION	
18	09	07	22.6	20.468	S	114.003	E	33	N	4.5	1.0	12	WESTERN AUSTRALIA	
18	10	32	18.5	31.932	N	141.628	E	33	N	5.2	1.0	80	SOUTH OF HONSHU, JAPAN	
18	10	34	43.8	39.752	N	29.224	E	10	G		0.5	6	TURKEY	
18	10	57	13.0	34.476	N	139.494	E	33	N	4.4	0.9	10	NEAR S. COAST OF HONSHU, JAPAN	
18	11	01	34.67	34.29	N	139.70	E	33	N		0.5	6	NEAR S. COAST OF HONSHU, JAPAN	
18	11	16	03.8	37.115	N	121.862	W	2				18	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt (III) at Aptos and Watsonville. Felt in parts of Santa Clara and Santa Cruz Counties.	
18	12	51	56.7	32.303	S	71.666	W	33	N		1.0	12	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).	
18	13	28	09.6	42.814	N	19.244	E	10	G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).	
o	14	04	54.9	35.692	N	28.484	E	52	D	5.3	1.3	316	EASTERN MEDITERRANEAN SEA. MD 4.6 (HLW).	
18	14	49	57.6	38.049	N	20.362	E	13			1.0	15	GREECE. MD 3.2 (ATH), 3.2 (THE).	
18	14	50	40.9	6.390	N	77.578	W	25	*	4.7	1.3	39	NEAR WEST COAST OF COLOMBIA	
18	14	55	39.07	5.03	N	76.10	W	90	G		0.5	6	COLOMBIA. MD 3.9 (UVC).	
18	15	46	10.17	3.67	N	77.03	W	10	G		0.6	4	NEAR WEST COAST OF COLOMBIA. MD 3.2 (UVC).	
18	16	23	44.3	41.642	N	47.638	E	33	N	4.5	1.2	32	EASTERN CAUCASUS	
18	16	48	50.0	33.702	N	36.792	E	10	G	4.9	1.5	29	JORDAN - SYRIA REGION. MD 4.5 (HLW).	
f	17	22	55.1	24.295	S	177.561	W	198	G	5.8	1.1	427	SOUTH OF FIJI ISLANDS. mb 5.4 (BRK). Mo=8.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.	
o	18	19	10	10.4	7.817	N	122.127	E	36	D	5.3 5.0	1.1	81	MINDANAO, PHILIPPINE ISLANDS
18	19	12	00.0	37.063	N	116.045	W	0		5.2		126	SOUTHERN NEVADA. <DOE>. ML 5.0 (BRK). 37° 03' 48.35" N., 116° 02' 43.03" W., Surface Elev. 1240 m., Depth of Burial 457 m., Shot Time 191200.00, "LUBBOCK," Nevada Test Site (Dept. of Energy).	
18	19	27	59.1	24.009	S	175.830	W	18	D	5.3 5.2	1.5	30	SOUTH OF TONGA ISLANDS	
18	19	57	38.8	45.633	N	122.862	W	19				60	WASHINGTON-OREGON BORDER REGION. <SEA>. MD 2.8 (SEA). Felt at West Linn, Oregon.	
18	19	58	35.17	5.75	N	78.44	W	33	N		0.6	6	SOUTH OF PANAMA. MD 4.0 (UPA).	
18	20	09	47.9	43.051	N	17.815	E	10	G		0.7	18	NORTHWESTERN BALKAN REGION. ML 3.1 (TTG), 3.1 (ZAG). Felt on Mijet Island.	
18	20	33	31.3	42.810	N	17.382	E	10	G		1.3	26	ADRIATIC SEA. ML 3.4 (ZAG), 3.1 (TTG). Felt on Mijet Island.	
18	22	24	00.9	31.301	S	71.683	W	33	N		0.6	9	NEAR COAST OF CENTRAL CHILE	
18	23	14	31.4	32.202	S	71.410	W	33	N		0.7	10	NEAR COAST OF CENTRAL CHILE	
18	23	22	02.0	2.559	N	127.839	E	23	D	5.0 4.3	1.1	40	NORTHERN MOLUCCA SEA	
18	23	31	16.6	36.066	N	139.966	E	66		4.9	0.8	27	EASTERN HONSHU, JAPAN	
18	23	37	59.87	34.45	S	70.38	W	10	G		0.1	5	CHILE-ARGENTINA BORDER REGION	
19	00	05	23.7	40.465	N	15.695	E	10	G		1.4	10	SOUTHERN ITALY	
19	00	06	29.27	30.89	S	68.24	W	100	G		0.2	4	SAN JUAN PROVINCE, ARGENTINA	
19	01	29	21.97	31.35	S	179.65	W	442	?	4.2	0.7	14	KERMADEC ISLANDS REGION	
19	01	42	23.5	44.469	N	7.316	E	10	G		0.3	5	NORTHERN ITALY. ML 1.4 (GEN).	
19	01	55	27.5	0.945	N	97.408	E	27	D	5.1	1.0	36	NORTHERN SUMATERA, INDONESIA	
19	03	14	03.9	40.837	N	28.052	E	10	G		0.4	12	TURKEY	
19	03	36	53.07	3.79	N	76.88	W	100	G		0.1	4	COLOMBIA. MD 2.8 (UVC).	
19	04	05	46.0	40.802	N	28.073	E	10	G		0.5	9	TURKEY	
19	04	07	29.4	40.806	N	28.071	E	10	G		0.4	10	TURKEY	
19	04	09	07.5	53.695	N	167.137	W	33	N	5.0	1.0	85	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.5 (PMR). Felt (IV) at Akutan and Unalaska. Also felt at Dutch Harbor.	
19	04	14	26.6	34.308	N	26.275	E	50		4.1	1.2	53	CRETE. MD 4.2 (ATH), 4.1 (HLW).	
19	04	28	36.27	44.96	N	6.83	E	10	G		0.7	4	FRANCE. ML 1.6 (GEN).	
19	04	57	40.9	40.641	N	21.363	E	10	G		1.4	54	GREECE. ML 3.9 (ATH), 3.5 (TTG) MD 3.7 (THE).	
o	19	04	59	08.2	53.736	N	167.234	W	33	N	5.0 5.0	1.1	125	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.2 (PMR). Ms 5.2 (BRK). Mo=3.0*10**17 Nm (PPT). Felt (IV) at Unalaska. Also felt at Dutch Harbor.
19	05	02	05.3	40.682	N	21.260	E	10	G		1.4	6	GREECE	
19	05	10	53.6	53.865	N	167.089	W	33	N	4.9 4.5	1.2	96	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.3 (PMR). Mo=1.6*10**17 Nm (PPT). Felt (IV) at Dutch Harbor and Unalaska. Felt (III) at Akutan.	
19	05	17	23.1	40.720	N	21.409	E	10	G		1.0	15	GREECE MD 3.0 (ATH).	
19	05	18	48.0	44.289	N	149.595	E	46	D	5.6 5.2	0.9	325	KURIL ISLANDS	
19	05	24	27.8	43.142	N	18.877	E	10	G		0.1	6	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).	
19	05	29	49.5	41.297	N	22.705	E	10	G		0.2	5	NORTHWESTERN BALKAN REGION	
19	05	33	34.8	44.412	N	149.714	E	33	N	4.2	1.3	16	KURIL ISLANDS	
19	05	39	54.7	40.039	N	28.462	E	10	G		0.4	7	TURKEY	
19	05	45	27.8	44.128	N	149.803	E	33	N	4.6	1.2	21	KURIL ISLANDS	
19	05	45	46.5	53.639	N	167.022	W	33	N	4.6	0.9	35	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR). Felt (III) at Unalaska.	
19	06	02	10.87	41.35	N	22.70	E	10	G		0.2	5	NORTHWESTERN BALKAN REGION	
19	06	03	03.7	53.641	N	167.066	W	33	N	4.2	1.5	18	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.0 (PMR).	
19	06	22	53.1	40.677	N	21.367	E	5	G		0.7	8	GREECE	

19	06	32	58.7	40.723	N	21.447	E	5	G	1.2	12	GREECE		
19	07	02	11.9	16.871	N	94.641	E	33	N	4.4	0.9	14	NEAR SOUTH COAST OF MYANMAR	
19	07	21	27.6?	16.90	N	60.61	W	33	N		0.7	8	LEEWARD ISLANDS. ML 3.1 (FDF).	
19	07	55	50.6?	7.37	S	127.56	E	132	?	4.6	1.0	5	BANDA SEA	
19	08	16	14.8?	31.47	S	69.20	W	110	G		0.5	4	SAN JUAN PROVINCE, ARGENTINA	
o	19	08	48	19.2	9.012	S	117.170	E	97	D	5.8	1.1	270	SUMBAWA REGION, INDONESIA. Felt on Bali and Lombok.
19	09	12	39.5?	41.17	N	23.58	E	10	G		0.1	4	GREECE-BULGARIA BORDER REGION	
19	09	20	13.4%	40.696	N	21.370	E	5	G		0.8	9	GREECE	
19	09	31	10.3	43.350	N	8.243	E	27			0.2	15	CORSICA ML 2.5 (LDG), 2.3 (GEN), 2.1 (STR).	
19	09	56	58.0%	40.685	N	21.335	E	5	G		0.8	7	GREECE	
19	09	59	14.2*	37.563	N	142.798	E	24		4.6	1.0	14	OFF EAST COAST OF HONSHU, JAPAN	
19	10	01	53.0?	3.08	N	79.57	W	33	N		0.3	7	SOUTH OF PANAMA. MD 4.3 (UVC).	
19	10	22	01.3?	42.95	N	13.08	E	10	G		0.6	4	CENTRAL ITALY	
19	10	45	50.8%	40.707	N	21.407	E	5	G		1.2	8	GREECE	
19	10	49	46.5	39.603	N	21.022	E	5	G		1.0	19	GREECE. MD 3.2 (ATH).	
19	13	43	10.4	44.319	N	9.860	E	10	G		1.1	30	NORTHERN ITALY. ML 2.7 (LDG).	
19	14	03	22.6	35.172	N	139.452	E	33	N	4.6	0.7	11	NEAR S. COAST OF HONSHU, JAPAN	
19	15	23	52.1?	31.41	S	68.26	W	90	G		0.3	4	SAN JUAN PROVINCE, ARGENTINA	
19	15	53	36.2?	37.08	N	27.62	E	10	G		0.2	5	TURKEY	
19	16	26	12.8*	20.880	S	68.536	W	112	*		1.1	11	CHILE-BOLIVIA BORDER REGION	
19	16	45	06.6	20.992	S	178.599	W	604	D	5.1	1.1	157	FIJI ISLANDS REGION	
19	17	10	41.9%	16.841	N	61.909	W	77	?		0.5	10	LEEWARD ISLANDS	
19	17	22	15.5	40.642	N	21.359	E	11			0.9	32	GREECE. ML 3.8 (ATH), 3.4 (TTG). MD 3.4 (THE).	
19	18	48	34.9%	39.891	N	32.388	E	10	G		1.1	10	TURKEY	
19	20	16	35.3?	35.69	N	54.97	E	30	*		0.7	12	NORTHERN IRAN. ML 4.0 (TEH). Felt at Gorgan.	
19	20	18	59.5	38.316	N	8.059	W	10	G		0.7	6	PORTUGAL. MG 2.8 (LIS).	
f	19	21	23	14.3	30.780	N	78.774	E	10	D	6.5 7.0	1.2	525	NORTHERN INDIA. Ms 7.0 (BRK). Mo=6.0*10**18 Nm (PPT). At least 2,000 people killed, more than 1,800 injured and 18,000 buildings destroyed in the Chamoli-Uttarkashi area. Same damage occurred at Chandigarh and New Delhi. Felt in northern India, western Nepal and northeastern Pakistan. Landslides occurred in the epicentral area. A 30-meter deep crack was noted in the Uttarkashi area. Two events about 1.6 seconds apart observed on broadband displacement seismograms.
19	22	19	52.2%	40.823	N	27.874	E	10	G		0.3	5	TURKEY	
19	22	41	15.4	30.747	N	78.723	E	17	D	4.8 4.6	1.0	32	NORTHERN INDIA. M 4.7 (NDI).	
19	22	46	38.1%	42.954	N	12.949	E	10	G		1.1	9	CENTRAL ITALY	
19	23	27	01.0%	40.109	N	22.434	E	10	G		0.4	10	GREECE	
19	23	38	15.7?	1.90	N	77.16	W	110	G		0.7	4	COLOMBIA. MD 3.7 (UVC).	
19	23	39	41.1?	29.88	N	78.89	E	33	N		0.6	6	NORTHERN INDIA	
20	00	45	07.3*	29.583	N	51.290	E	33	N	4.2	1.1	6	SOUTHERN IRAN	
20	00	50	48.9?	53.52	N	167.09	W	33	N	4.6	1.4	24	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.1 (PMR).	
o	20	01	17	03.1	53.819	N	166.923	W	33	N	5.0 5.2	1.2	133	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.8 (PMR). Mo=3.0*10**17 Nm (PPT). Felt (IV) at Dutch Harbor and Unalaska.
20	01	26	32.9%	62.051	N	150.981	W	64				37	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).	
20	01	26	47.2?	37.11	N	27.65	E	10	G		0.7	5	TURKEY	
20	01	29	26.5%	18.604	N	66.379	W	33	N		1.2	7	PUERTO RICO REGION	
20	01	32	23.1*	53.714	N	167.176	W	33	N	4.5	1.3	38	FOX ISLANDS, ALEUTIAN ISLANDS	
20	02	42	06.0*	56.444	N	2.936	E	10	G		0.5	12	NORTH SEA. ML 3.4 (LDG).	
20	03	15	13.2*	10.909	N	141.230	E	33	N	4.2	1.5	8	WESTERN CAROLINE ISLANDS	
20	03	34	30.8?	30.94	N	78.92	E	33	N	4.3	0.7	7	NORTHERN INDIA	
20	03	38	43.3?	53.34	N	166.98	W	33	N	4.3	1.6	12	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (PMR).	
20	04	09	01.5%	18.300	N	76.503	W	10	G		0.1	5	JAMAICA REGION. MD 1.8 (HOJ).	
20	04	20	28.9	30.899	N	78.832	E	33	N	4.5	0.9	16	NORTHERN INDIA. ML 4.5 (NDI).	
20	04	31	35.6?	30.34	N	78.83	E	33	N		1.0	7	NORTHERN INDIA	
20	04	31	42.1	4.831	S	129.169	E	231	D	4.9	1.1	46	BANDA SEA	
20	05	07	18.0?	3.81	N	76.99	W	33	N		0.2	5	COLOMBIA MD 2.6 (UVC).	
20	05	23	12.2%	40.260	N	124.450	W	0			0.6	6	NEAR COAST OF NORTHERN CALIF <BRK>. ML 3.1 (BRK).	
20	05	26	05.7%	40.815	N	28.073	E	10	G		0.6	5	TURKEY	
20	05	32	26.8	30.790	N	78.686	E	27	D	4.9	0.9	68	NORTHERN INDIA. ML 5.3 (NDI).	
20	05	35	21.0	38.389	N	21.765	E	21		3.9	1.3	62	GREECE. ML 4.0 (TTG), 3.9 (ATH). MD 3.8 (THE).	
20	05	42	54.8?	46.75	N	4.26	E	5	G		0.6	5	FRANCE. ML 1.8 (LDG).	
20	05	46	50.9	12.489	N	87.890	W	79	D	4.7	1.1	85	NEAR COAST OF NICARAGUA	
20	06	01	43.6?	16.75	N	147.07	E	33	N	4.6	1.5	12	MARIANA ISLANDS REGION	
20	07	15	02.8?	31.37	S	68.50	W	90	G		0.2	4	SAN JUAN PROVINCE, ARGENTINA	
20	07	56	31.7?	30.85	N	78.78	E	33	N	4.2	0.6	8	NORTHERN INDIA	
20	09	24	32.3?	39.15	N	27.54	E	10	G		0.0	4	TURKEY	
20	09	25	17.3?	39.12	N	27.63	E	10	G		0.4	4	TURKEY	
20	09	30	38.7?	22.82	S	171.40	E	33	N	4.5	1.5	16	LOYALTY ISLANDS REGION	
20	09	39	43.2?	40.71	N	21.40	E	10	G		0.3	4	GREECE	
20	09	41	57.2?	40.81	N	21.45	E	10	G		1.1	4	GREECE	
o	20	09	51	27.8	33.336	N	135.247	E	41	D	5.2 4.8	0.9	142	NEAR S. COAST OF WESTERN HONSHU
20	10	12	28.2?	39.69	N	29.34	E	10	G		0.8	4	TURKEY	
20	11	17	30.0	20.633	N	121.964	E	24	D	4.3	1.2	25	PHILIPPINE ISLANDS REGION	
20	11	47	25.3%	39.709	N	31.201	E	10	G		0.4	6	TURKEY	
20	13	35	03.4%	37.866	N	15.599	E	30	*		0.3	6	SICILY	
20	14	44	15.8%	59.485	N	151.637	W	49			0.9	45	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC).	
20	15	25	08.6	40.884	N	20.935	E	10	G		0.7	7	GREECE-ALBANIA BORDER REGION. ML 3.0 (SKO).	
20	15	59	48.0	40.175	N	25.630	E	9			0.7	24	AEGEAN SEA. MD 3.5 (ATH).	
20	16	47	01.8%	36.815	N	121.282	W	9			1.0	22	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).	
20	17	01	06.2	31.690	N	50.138	E	33	N		1.6	10	NORTHERN IRAN	
20	17	14	29.1%	40.424	N	26.084	E	10	G		1.6	10	TURKEY	
20	17	39	26.5?	31.66	S	68.93	W	90	G		0.2	4	SAN JUAN PROVINCE, ARGENTINA	
20	17	50	22.5	40.388	N	25.925	E	10	G		0.4	17	AEGEAN SEA. MD 3.1 (ATH).	
20	18	04	13.0?	40.39	N	25.93	E	10	G		0.3	4	AEGEAN SEA	
20	18	32	30.6	45.187	N	7.345	E	10	G		1.3	12	NORTHERN ITALY ML 2.4 (GEN), 2.3 (LDG).	
20	19	10	36.7*	6.693	S	146.679	E	56	*	3 6	1 4	12	EASTERN NEW GUINEA REG., P.N.G.	
20	19	19	39.4%	59.714	N	153.080	W	98			0.6	40	SOUTHERN ALASKA. <AEIC>.	
20	19	20	58.2?	4.22	N	77.01	W	33	N		0.6	4	NEAR WEST COAST OF COLOMBIA. MD 2.3 (UVC).	
20	19	29	07.5	41.265	N	23.321	E	5	G		0 3	8	GREECE-BULGARIA BORDER REGION. ML 1.8 (SKO).	

20	21	12	42.7	48.540	N	7.697	E	13	1.1	35	FRANCE. ML 3.1 (LDG), 2.6 (STR).	
20	21	35	29.57	26.17	S	71.12	E	10 G	4.6	6	MID-INDIAN RIDGE	
20	21	54	58.8*	36.140	N	31.687	E	10 G	1.6	9	TURKEY. MD 4.1 (HLW).	
20	22	07	21.6	0.856	S	146.611	E	33 N	5.0 4.3	31	ADMIRALTY ISLANDS REGION, P.N.G.	
20	23	19	29.07	40.24	N	17.24	E	10 G	0.0	4	SOUTHERN ITALY	
20	23	29	26.48	59.342	N	151.954	W	60		42	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC).	
21	00	51	01.18	45.631	N	122.887	W	20		70	WASHINGTON-OREGON BORDER REGION. <SEA>. MD 3.0 (SEA). Felt (III) at Hillsboro, North Plains and Portland, Oregon. Also felt at Beaverton and Tigard, Oregon.	
21	01	23	21.7%	44.345	N	7.287	E	10 G	0.3	7	NORTHERN ITALY. ML 2.1 (GEN).	
21	02	09	46.1*	48.363	N	17.537	E	10 G	1.4	5	CZECHOSLOVAKIA. ML 2.6 (VIE).	
21	03	31	43.4%	44.747	N	7.688	E	33 N	0.4	9	NORTHERN ITALY. ML 2.4 (GEN).	
21	03	50	12.7*	26.508	S	71.250	W	77 ?	1.5	10	OFF COAST OF NORTHERN CHILE	
21	05	48	25.7%	40.451	N	23.102	E	10 G	0.4	7	GREECE. MD 1.7 (THE).	
21	05	50	28.07	3.79	N	76.00	W	100 G	0.3	5	COLOMBIA. MD 3.0 (UVC).	
21	06	06	14.48	61.553	N	150.033	W	39		63	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.1 (PMR).	
21	06	19	37.7*	1.965	N	122.494	E	462 *	4.5	13	MINAHASSA PENINSULA, SULAWESI	
21	06	20	10.0	40.695	N	21.392	E	10 G	1.0	10	GREECE. MD 2.5 (THE).	
21	06	22	18.07	31.61	S	68.23	W	10 G	1.5	5	SAN JUAN PROVINCE, ARGENTINA	
21	06	25	58.47	41.41	N	25.52	E	10 G	0.6	5	GREECE-BULGARIA BORDER REGION. MD 2.6 (THE).	
21	07	21	18.3	43.228	N	17.196	E	10 G	1.1	9	NORTHWESTERN BALKAN REGION. ML 2.5 (TTG).	
21	07	24	34.07	3.05	N	76.29	W	110 G	0.1	4	COLOMBIA. MD 3.0 (UVC).	
21	07	38	50.87	41.90	N	140.07	E	110 G	1.6	4	HOKKAIDO, JAPAN REGION	
21	07	51	32.07	31.79	S	71.90	W	10 G	0.4	10	NEAR COAST OF CENTRAL CHILE	
21	08	32	20.37	3.80	N	77.00	W	33 N	0.1	4	NEAR WEST COAST OF COLOMBIA. MD 2.5 (UVC).	
21	09	27	28.5*	45.337	N	6.605	E	10 G	0.4	7	FRANCE	
21	09	49	12.0*	23.544	S	179.949	W	589 ?	4.8	0.9	40	SOUTH OF FIJI ISLANDS
21	10	27	51.2	40.705	N	21.380	E	10 G	0.8	11	GREECE. MD 2.7 (THE).	
21	10	36	16.4%	42.947	N	18.802	E	10 G	0.3	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).	
21	11	40	45.2*	8.195	S	115.655	E	148 ?	4.8	0.6	12	BALI REGION, INDONESIA
21	11	58	19.3	41.982	N	46.746	E	33 N	4.5	1.3	27	EASTERN CAUCASUS
21	12	01	17.3	41.268	N	23.317	E	10 G	0.4	9	GREECE-BULGARIA BORDER REGION. MD 2.6 (THE).	
21	12	26	28.07	44.39	N	6.89	E	10 G	0.3	7	FRANCE. ML 2.3 (GEN).	
21	13	26	02.97	2.59	S	125.84	E	33 N	4.9	1.3	9	CERAM SEA
21	13	44	56.2	41.863	N	20.112	E	16		1.1	21	ALBANIA. ML 3.0 (TTG).
21	13	46	42.5%	39.738	N	29.389	E	10 G	0.3	5	TURKEY	
21	14	02	47.3*	30.777	N	78.800	E	33 N	4.0	0.6	8	NORTHERN INDIA. ML 4.0 (NDI).
21	14	29	43.1%	40.166	N	29.442	E	10 G	0.5	7	TURKEY	
21	15	02	14.97	4.83	N	76.41	W	70 G	0.8	5	COLOMBIA. MD 3.4 (UVC).	
21	15	34	53.2%	39.289	N	23.166	E	10 G	0.3	8	AEGEAN SEA. MD 2.2 (THE).	
21	15	36	39.97	45.27	N	2.14	E	10 G	0.5	4	FRANCE. ML 2.2 (LDG).	
21	15	38	05.6*	32.314	S	72.110	W	33 N	0.6	11	OFF COAST OF CENTRAL CHILE	
21	16	03	26.3	23.292	N	125.626	E	45 D	4.4 3.8	1.2	26	SOUTHWESTERN RYUKYU ISLANDS
21	16	17	46.0*	15.900	N	97.943	W	33 N	1.2	12	NEAR COAST OF OAXACA, MEXICO	
21	16	34	49.3*	31.596	S	68.196	W	10 G	1.1	9	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).	
21	16	48	22.97	2.49	N	75.43	W	33 N	0.4	5	COLOMBIA. MD 3.8 (UVC)	
21	17	10	05.27	39.27	N	20.21	E	10 G	0.8	6	GREECE-ALBANIA BORDER REGION. MD 2.6 (THE).	
21	17	28	28.77	19.17	N	121.21	E	33 N	4.0	1.1	9	PHILIPPINE ISLANDS REGION
21	18	10	44.9%	38.090	N	27.172	E	10 G	0.4	7	TURKEY	
21	18	27	10.6	37.146	N	21.017	E	58	3.9	1.2	66	SOUTHERN GREECE. MD 4.3 (THE), 4.1 (ATH).
21	18	36	56.1*	42.243	N	125.594	W	10 G	0.4	37	OFF COAST OF OREGON	
21	19	46	31.3	18.011	N	68.260	W	43	4.8 3.9	1.0	128	MONA PASSAGE. Felt at San Juan and Mayaguez, Puerto Rico. Also felt at La Romana, San Pedro de Macoris and Santo Domingo, Dominican Republic.
21	19	47	51.0*	41.335	N	25.467	E	10 G	0.9	8	GREECE-BULGARIA BORDER REGION. MD 3.0 (THE).	
21	19	57	54.97	37.02	N	29.99	E	10 G	0.3	5	TURKEY	
21	21	16	00.17	19.31	N	65.10	W	10	0.4	8	PUERTO RICO REGION	
21	21	18	02.68	59.984	N	151.824	W	46		66	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR).	
21	21	28	23.97	60.51	N	1.95	E	10 G	0.4	6	NORTH SEA. MD 2.1 (BER).	
21	22	44	48.4	17.037	N	145.698	E	182	5.0	1.0	110	MARIANA ISLANDS
21	22	45	39.77	18.93	N	65.49	W	33 N	0.3	8	PUERTO RICO REGION	
21	22	58	06.5	45.110	N	14.954	E	10 G	1.1	10	NORTHWESTERN BALKAN REGION. ML 2.8 (VIE), 2.4 (ZAG). Felt at Senj.	
21	22	59	23.17	41.28	S	90.19	W	10 G	4.8	0.9	13	SOUTHERN PACIFIC OCEAN
21	23	25	53.9*	39.049	N	20.693	E	10 G	0.6	9	GREECE-ALBANIA BORDER REGION. MD 2.8 (THE).	
21	23	45	28.7	35.032	N	22.576	E	10	4.4	1.3	130	CENTRAL MEDITERRANEAN SEA. MD 4.7 (ATH), 4.4 (THE).
21	23	54	10.5%	41.099	N	23.847	E	10 G	0.5	5	GREECE-BULGARIA BORDER REGION. MD 2.1 (THE).	
22	00	23	52.2%	60.960	N	4.099	E	10 G	0.8	6	SOUTHERN NORWAY. MD 1.4 (BER).	
22	01	44	00.7%	46.621	N	4.639	E	10 G	0.1	5	FRANCE. ML 1.7 (LDG).	
22	02	53	50.5	16.613	N	95.372	W	38 D	4.7 4.3	1.1	51	OAXACA, MEXICO
22	03	12	42.1%	11.334	N	62.027	W	33 N	1.1	9	WINDWARD ISLANDS. MD 3.6 (TRN).	
22	03	15	40.87	34.23	S	70.34	W	10 G	0.2	6	CHILE-ARGENTINA BORDER REGION	
22	03	20	05.37	33.13	S	72.35	W	10 G	0.3	10	OFF COAST OF CENTRAL CHILE	
22	03	21	48.8	44.772	N	7.691	E	27 *	0.6	12	NORTHERN ITALY. ML 2.3 (GEN), 2.0 (LDG).	
22	03	55	58.97	34.33	S	70.19	W	10 G	0.5	6	CHILE-ARGENTINA BORDER REGION	
22	04	00	42.38	38.785	N	122.775	W	3		13	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=2.1*10**14 Nm (BRK). Felt (IV) at Cobb.	
22	04	03	03.58	38.778	N	122.760	W	2		15	NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=6.6*10**14 Nm (BRK). Felt (IV) at Cobb.	
22	04	06	38.88	38.827	N	122.820	W	0		7	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).	
22	04	07	35.68	38.831	N	122.825	W	0		2	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).	
22	04	16	15.98	63.197	N	149.528	W	93		58	CENTRAL ALASKA. <AEIC>.	
22	04	29	30.58	36.655	N	121.318	W	1		12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).	
22	04	36	53.3%	12.533	N	60.872	W	33 N	0.6	9	WINDWARD ISLANDS. MD 3.3 (TRN).	
22	05	08	53.1%	42.293	N	19.063	E	10 G	0.3	9	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).	
22	05	21	55.77	44.91	N	3.12	E	10 G	0.6	5	FRANCE. ML 2.3 (STR).	
22	05	30	12.77	32.93	S	72.04	W	10 G	0.5	9	OFF COAST OF CENTRAL CHILE	
22	08	25	48.07	39.13	N	27.57	E	10 G	0.4	4	TURKEY	
22	09	02	13.5*	44.552	N	115.760	W	5 G	0.7	10	WESTERN IDAHO ML 3.2 (BUT).	
22	12	11	08.9*	29.593	N	51.515	E	33 N	4.3	0.9	6	SOUTHERN IRAN
22	12	43	43.48	37.598	N	121.822	W	6		15	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).	
22	13	08	04.9%	39.148	N	27.608	E	10 G	0.3	6	TURKEY	

22	15 05 01.3?	9.63	N	125.27	E	114 ?	4.9	1.3	9	MINDANAO, PHILIPPINE ISLANDS
22	15 06 21.8?	33.27	S	72.36	W	10 G		0.5	9	OFF COAST OF CENTRAL CHILE
22	15 44 23.1	46.662	N	0.047	W	8		0.7	10	FRANCE. ML 2.7 (LDG).
22	15 48 11.3+	0.876	N	79.611	W	33 N		0.8	11	NEAR COAST OF ECUADOR. Felt at Esmeraldas.
22	16 00 56.1?	50.80	N	19.46	E	10 G		0.6	5	POLAND. ML 3.0 (WAR).
22	16 08 16.3?	37.676	N	27.051	E	10 G		0.8	7	TURKEY
22	16 09 50.9?	37.682	N	26.921	E	10 G		0.4	5	DODECANESE ISLANDS
22	16 33 27.5?	7.07	N	73.16	W	160 G		0.8	7	NORTHERN COLOMBIA
22	16 39 52.8	6.755	N	72.980	W	157	4.4	1.0	27	NORTHERN COLOMBIA
22	16 39 56.5	38.726	N	20.524	E	10 G	4.0	1.2	56	GREECE. ML 4.2 (ATH).
22	17 53 34.2+	36.512	N	12.700	W	10 G	3.5	1.1	23	NORTH ATLANTIC OCEAN. mbLg 3.6 (MDD).
22	18 16 42.8?	11.152	N	62.020	W	10 G		0.8	7	WINDWARD ISLANDS. MD 3.1 (TRN).
22	18 38 57.4?	62.993	N	149.295	W	85			83	CENTRAL ALASKA. <AEIC>.
22	18 53 44.5?	39.984	N	23.310	E	10 G		0.8	7	AEGEAN SEA. MD 1.7 (THE).
22	19 18 46.8+	45.788	N	26.750	E	94 *		0.6	7	ROMANIA
22	19 39 19.8?	59.671	N	153.121	W	106			42	SOUTHERN ALASKA. <AEIC>.
22	19 46 44.4?	18.14	N	67.36	W	33 N		0.4	7	MONA PASSAGE
22	20 08 05.9?	38.049	N	14.741	E	5 G		0.8	9	SICILY
22	20 38 58.2?	64.630	N	138.306	W	27	4.8 3.5		107	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 4.7 (AEIC). Felt (III) at Mile 42 Dempster Highway.
22	20 41 12.9?	38.081	N	14.706	E	5 G		0.8	10	SICILY
22	20 56 47.2?	38.029	N	14.714	E	10		0.9	13	SICILY
22	20 59 13.5?	37.963	N	14.685	E	10 G		1.0	5	SICILY
22	21 06 47.3?	18.39	N	67.03	W	10 G		0.6	4	MONA PASSAGE
22	21 53 43.3?	38.028	N	14.693	E	10 G		0.8	6	SICILY
22	22 07 04.0?	4.98	N	76.49	W	90 G		0.1	4	COLOMBIA. MD 3.0 (UVC).
22	22 07 25.9?	37.099	N	3.729	W	10 G		0.9	7	SPAIN. mbLg 2.9 (MDD).
22	23 21 46.1?	37.272	N	121.673	W	6			22	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=3.1*10**14 Nm (BRK). Felt in the San Jose area.
23	00 13 28.0?	37.983	N	14.736	E	10 G		1.1	6	SICILY
23	01 13 08.0?	3.996	N	76.735	W	70 G		0.4	7	COLOMBIA. MD 2.6 (UVC).
23	02 09 08.4?	37.871	N	22.210	E	10 G		0.9	5	SOUTHERN GREECE. ML 3.2 (ATH).
23	02 31 12.5?	18.49	N	65.66	W	33 N		0.1	5	PUERTO RICO REGION
23	02 38 08.1?	16.612	N	61.770	W	33 N		1.2	9	LEEWARD ISLANDS. ML 2.6 (FDF).
23	02 46 52.8?	4.27	N	76.79	W	75 G		0.4	4	COLOMBIA. MD 2.6 (UVC).
23	04 02 42.3?	59.687	N	152.292	W	72			47	SOUTHERN ALASKA. <AEIC>.
23	04 11 12.9?	3.68	N	124.16	E	33 N	5.0	1.0	10	CELEBES SEA
23	04 15 58.6	2.218	N	127.165	E	105 *	5.0	0.9	35	NORTHERN MOLUCCA SEA
23	04 21 32.3?	4.87	N	76.69	W	90 G		0.4	5	COLOMBIA. MD 2.9 (UVC).
23	05 16 38.8?	40.540	N	27.250	E	33 N		0.1	6	TURKEY
a 23	05 27 17.6	6.986	S	105.401	E	61 *	5.4 5.2	1.5	66	SUNDA STRAIT
23	05 27 24.3?	59.657	N	152.202	W	83			42	SOUTHERN ALASKA. <AEIC>.
23	06 29 41.8?	60.564	N	5.090	E	10 G		0.1	6	SOUTHERN NORWAY. MD 1.2 (BER).
23	06 38 13.9?	40.824	N	28.117	E	10 G		0.5	6	TURKEY
23	06 45 09.4?	34.58	S	70.64	W	100 G		0.2	9	CHILE-ARGENTINA BORDER REGION
23	07 14 50.5?	50.94	N	166.33	W	33 N		0.4	6	SOUTH OF ALEUTIAN ISLANDS
23	07 20 31.1?	17.72	S	178.79	W	557	5.0	1.1	28	FIJI ISLANDS REGION
23	07 41 13.2?	18.26	S	179.37	W	623 ?	4.9	1.1	15	FIJI ISLANDS REGION
23	08 20 09.8+	22.106	S	65.958	W	300 ?		0.7	6	JUJUY PROVINCE, ARGENTINA
23	09 00 09.7?	49.510	N	117.610	W	7 G			25	BRITISH COLUMBIA, CANADA. <PGC>. ML 2.5 (PGC). MD 3.0 (SEA). Felt (IV) in the Nelson-Castlegar area. Felt most strongly in the Slocan Valley.
23	09 06 37.4?	49.510	N	117.610	W	7 G			5	BRITISH COLUMBIA, CANADA. <PGC>. ML 2.2 (PGC). MD 3.0 (SEA). Felt in the Nelson-Castlegar area. Felt most strongly in the Slocan Valley.
23	10 06 15.6?	40.483	N	123.427	W	25 G			8	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
23	10 32 11.9+	6.870	N	123.878	E	53 *	4.8	1.4	19	MINDANAO, PHILIPPINE ISLANDS
23	10 51 53.1?	3.96	N	76.66	W	60 G		0.7	5	COLOMBIA
23	11 35 38.6+	40.633	N	14.953	E	10 G		1.5	10	SOUTHERN ITALY
23	11 46 29.2?	40.463	N	14.655	E	10 G		0.8	6	SOUTHERN ITALY
23	12 10 08.2+	47.770	N	8.166	E	10 G		1.1	6	SWITZERLAND
a 23	12 24 56.3	11.343	S	166.403	E	136 D	5.3	1.0	211	SANTA CRUZ ISLANDS. mb 5.8 (BRK). Mo=1.6*10**17 Nm (PPT).
23	12 49 39.6	9.927	N	126.004	E	81 *	5.3	1.1	96	MINDANAO, PHILIPPINE ISLANDS
23	12 50 26.1	21.432	N	157.078	W	30		0.5	39	HAWAII. ML 4.1 (HVO). Felt on Lanai and Molokai. Also felt in the eastern part of Oahu.
23	13 56 21.0?	58.090	N	154.676	W	102			44	ALASKA PENINSULA. <AEIC>.
23	14 03 12.8?	49.510	N	117.610	W	7 G			16	BRITISH COLUMBIA, CANADA. <PGC>. ML 2.2 (PGC). MD 3.0 (SEA). Felt in the Nelson-Castlegar area. Felt most strongly in the Slocan Valley.
23	14 07 57.7	41.094	N	29.358	E	10 G		0.3	6	TURKEY
23	14 38 43.9	37.317	S	177.036	E	257	4.9	0.9	78	OFF E. COAST OF N. ISLAND, N.Z. Felt at Napier.
23	15 37 36.2+	37.029	N	20.826	E	10 G		1.0	5	IONIAN SEA. MD 3.2 (ATH).
23	15 50 25.4+	4.259	S	128.378	E	33 N	4.3	1.2	15	BANDA SEA
23	16 56 37.9?	37.74	N	14.95	E	10 G		1.0	4	SICILY
23	17 19 47.1+	38.651	N	73.731	E	33 N	4.7	1.3	10	TAJIKISTAN-XINJIANG BORDER REG.
23	17 47 03.8?	49.510	N	117.610	W	7 G			4	BRITISH COLUMBIA, CANADA. <PGC>. ML 1.8 (PGC). Felt in the Slocan Valley.
23	18 11 30.0+	27.817	N	103.395	E	33 N	4.3	0.6	7	YUNNAN, CHINA. ML 3.7 (BJI).
23	18 22 49.4	37.178	N	142.085	E	27 D	4.9 4.3	1.1	79	OFF EAST COAST OF HONSHU, JAPAN
23	18 45 18.6?	14.60	N	60.94	W	10 G		0.2	4	WINDWARD ISLANDS. MG 1.8 (FDF).
23	19 54 17.5?	16.14	N	60.78	W	33 N		0.1	7	LEEWARD ISLANDS. ML 2.6 (FDF).
23	20 16 28.8+	20.985	N	122.682	E	33 N	4.4 3.8	1.4	12	PHILIPPINE ISLANDS REGION
23	20 37 09.1	20.836	N	122.158	E	29 D	4.4 4.4	1.2	54	PHILIPPINE ISLANDS REGION
23	20 41 57.1	33.135	N	57.245	E	33 N	4.5	0.8	25	NORTHERN IRAN
23	20 45 07.7	33.082	N	57.320	E	33 N	4.6 4.0	0.7	51	NORTHERN IRAN
23	21 14 30.2+	0.492	S	119.990	E	75 ?	4.9	1.4	27	MINAHASSA PENINSULA, SULAWESI
23	21 36 01.2	37.682	N	15.211	E	44 *	3.6	1.0	30	SICILY. MD 3.7 (ROM).
23	21 38 04.0?	37.82	N	15.06	E	10 G		0.7	4	SICILY
23	21 41 04.8?	37.746	N	14.921	E	33 N		1.0	7	SICILY
23	21 44 10.1?	37.771	N	15.008	E	19		0.8	11	SICILY
23	21 45 56.5?	34.24	S	71.21	W	33 N		0.1	6	NEAR COAST OF CENTRAL CHILE
23	21 49 30.9?	37.784	N	15.020	E	10 G		0.7	6	SICILY

23	21	51	43.2%	37.767 N	15.034 E	10 G	0.8	7	SICILY
23	21	52	44.4%	37.737 N	15.015 E	10 G	0.5	5	SICILY
23	21	53	52.0%	37.651 N	15.052 E	10 G	1.1	5	SICILY
23	21	54	46.1%	37.780 N	14.967 E	10 G	0.8	5	SICILY
23	22	01	05.6%	37.80 N	15.02 E	10 G	0.5	4	SICILY
23	22	04	43.8%	37.777 N	14.885 E	33 N	0.6	5	SICILY
23	22	05	38.8%	37.796 N	14.903 E	33 N	0.7	5	SICILY
23	22	08	18.1%	37.75 N	15.06 E	10 G	0.8	4	SICILY
23	22	12	12.6%	37.724 N	15.086 E	33 N	0.9	5	SICILY
23	22	15	10.8%	26.46 S	175.27 W	33 N	5.1	0.8	6 SOUTH OF TONGA ISLANDS
23	22	34	07.7%	23.140 N	121.912 E	10 G	0.2	6	TAIWAN
23	22	53	31.3%	37.745 N	15.022 E	10 G	1.1	5	SICILY
23	22	58	20.6%	37.73 N	15.02 E	10 G	0.5	4	SICILY
a 23	23	18	37.0	51.246 N	178.376 E	33 N	5.1 4.4	0.9	219 RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.2 (PMR). Felt (IV) on Amchitka.
23	23	24	19.8%	37.786 N	14.834 E	33 N	0.8	5	SICILY
23	23	31	06.0%	60.012 N	152.749 W	106		49	SOUTHERN ALASKA. <AEIC>.
o 23	23	59	44.2	51.250 N	178.348 E	33 N	5.4 5.0	0.9	261 RAT ISLANDS, ALEUTIAN ISLANDS. Felt (IV) on Amchitka.
24	00	03	17.2%	37.39 N	74.71 E	33 N	5.2	0.8	7 TAJIKISTAN-XINJIANG BORDER REG.
24	00	27	15.7%	37.780 N	14.896 E	33 N		0.7	5 SICILY
24	00	27	38.2%	37.782 N	15.042 E	10 G		0.9	12 SICILY
24	00	35	38.4%	37.75 N	15.02 E	10 G		1.1	4 SICILY
24	00	43	39.7%	49.510 N	117.610 W	7 G		2	BRITISH COLUMBIA, CANADA. <PGC>. ML 1.8 (PGC). Felt in the Sloacan Valley.
24	00	55	11.8%	31.633 S	69.457 W	139 ?		0.8	14 SAN JUAN PROVINCE, ARGENTINA
24	01	43	05.5%	43.26 N	6.97 W	10 G		1.6	4 SPAIN. mbLg 2.8 (MDD).
24	01	51	40.8%	38.016 N	14.720 E	10 G		0.4	7 SICILY
24	02	13	41.0%	37.750 N	15.040 E	10 G		1.1	5 SICILY
24	02	18	01.5%	3.68 N	32.21 W	10 G	4.6 4.1	0.9	17 CENTRAL MID-ATLANTIC RIDGE
24	02	30	37.5%	16.046 N	61.228 W	33 N		1.0	7 LEEWARD ISLANDS. ML 2.5 (FDF).
24	02	47	49.5%	40.658 N	22.934 E	10 G		0.5	8 GREECE. MD 1.8 (THE).
24	03	54	26.3%	10.86 N	62.28 W	58 ?		0.4	7 NEAR COAST OF VENEZUELA. MD 2.8 (TRN).
24	04	17	09.5%	37.754 N	15.041 E	10 G		0.9	11 SICILY
24	04	59	06.2%	37.74 N	14.99 E	10 G		1.3	4 SICILY
24	05	19	51.6%	34.33 S	70.20 W	10 G		0.4	7 CHILE-ARGENTINA BORDER REGION
24	05	39	31.2%	5.653 S	128.636 E	342 ?	4.9	0.9	13 BANDA SEA
24	06	29	56.5%	8.06 S	119.62 E	159 ?	4.5	1.3	7 FLORES REGION, INDONESIA
24	08	46	55.9	34.173 N	139.150 E	16	4.6	0.7	26 NEAR S. COAST OF HONSHU, JAPAN
24	08	54	55.2%	34.127 N	139.173 E	16	4.6	1.0	19 NEAR S. COAST OF HONSHU, JAPAN
24	09	36	55.0%	4.53 N	77.25 W	90 G		0.2	5 NEAR WEST COAST OF COLOMBIA. MD 2.9 (UVC).
24	10	26	23.6%	34.67 S	70.97 W	100 G		0.3	9 CHILE-ARGENTINA BORDER REGION
24	10	36	27.3%	40.19 N	29.21 E	5 G		0.1	4 TURKEY
24	10	40	29.4%	63.146 N	150.404 W	112		63	CENTRAL ALASKA. <AEIC>.
24	10	42	26.6%	44.32 N	7.52 E	5 G		0.1	4 NORTHERN ITALY. ML 1.4 (GEN).
24	11	03	26.7%	64.741 N	152.727 W	12		43	CENTRAL ALASKA. <AEIC> ML 3.1 (AEIC).
24	11	18	21.5%	1.91 N	75.51 W	33 N		0.7	4 COLOMBIA. MD 3.0 (UVC).
24	11	38	20.9%	50.44 N	6.15 E	10 G		0.5	4 GERMANY. MD 2.3 (UCC).
24	11	43	39.5%	37.750 N	15.055 E	10 G		1.1	7 SICILY
24	12	01	59.2%	37.837 N	14.977 E	10 G		1.1	5 SICILY
24	12	06	12.9%	23.022 N	121.417 E	10 G	4.2	0.4	5 TAIWAN
24	12	27	58.0%	49.510 N	117.610 W	7 G		1	BRITISH COLUMBIA, CANADA. <PGC>. ML 1.7 (PGC). Felt in the Sloacan Valley.
24	12	30	36.9%	37.239 N	29.403 E	10 G		0.3	6 TURKEY
24	12	43	32.3%	39.603 N	23.700 E	10 G		0.6	6 AEGEAN SEA. MD 2.2 (THE).
24	12	55	13.0%	43.398 N	128.094 W	11		40	OFF COAST OF OREGON. <SEA>.
24	13	06	41.2%	33.938 S	71.012 W	61 ?		0.3	9 NEAR COAST OF CENTRAL CHILE
24	13	38	57.7%	49.510 N	117.610 W	7 G		1	BRITISH COLUMBIA, CANADA. <PGC>. ML 1.5 (PGC). Felt in the Sloacan Valley.
24	14	35	03.1%	39.143 N	27.682 E	10 G		0.4	5 TURKEY
24	14	38	20.0%	61.063 N	152.769 W	194	4.4	95	SOUTHERN ALASKA. <AEIC>.
24	14	46	22.5%	41.117 N	28.462 E	10 G		0.8	5 TURKEY
24	15	00	03.5%	5.06 N	76.48 W	100 G		0.6	8 COLOMBIA. MD 4.1 (UVC).
24	15	09	26.8%	4.599 N	129.002 E	33 N	4.6	1.4	12 NORTH OF HALMAHERA, INDONESIA
24	15	22	57.6%	15.433 N	60.676 W	28		0.3	12 LEEWARD ISLANDS. ML 2.9 (FDF).
24	15	46	09.8%	64.457 N	153.231 W	0		27	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).
24	16	38	42.9	45.355 N	21.256 E	33 N		1.2	9 ROMANIA. MG 3.3 (BEO).
24	16	39	10.9	39.159 N	29.514 E	10 G		0.6	15 TURKEY
24	17	13	54.9%	6.79 S	105.82 E	85 ?	4.6	1.2	8 SUNDA STRAIT
24	17	24	28.6%	40.815 N	22.472 E	10 G		0.5	8 GREECE. MD 1.7 (THE).
24	17	58	18.8	43.859 N	7.206 E	10 G		1.1	11 NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG).
24	18	19	22.7%	58.782 N	137.517 W	10 G			18 SOUTHEASTERN ALASKA. <PGC>. ML 3.3 (PGC), 3.2 (AEIC).
24	18	21	22.3%	36.88 N	22.91 E	10 G		0.2	4 SOUTHERN GREECE. ML 3.2 (ATH).
24	18	46	14.1	38.382 N	21.968 E	5 G		0.9	20 GREECE. ML 3.1 (ATH). MD 3.0 (THE).
24	19	16	45.1%	44.580 N	7.343 E	10 G		0.6	10 NORTHERN ITALY. ML 2.3 (GEN).
24	20	23	50.8%	45.430 N	6.624 E	10 G		0.3	8 FRANCE. ML 2.4 (GEN).
24	20	29	14.5%	46.515 N	9.103 E	10 G		0.3	5 SWITZERLAND
24	20	36	57.4%	42.597 N	13.083 E	10 G		1.0	5 CENTRAL ITALY
24	20	44	42.5%	37.127 N	28.098 E	10 G		1.1	5 TURKEY
24	21	20	32.5%	60.958 N	150.654 W	37		45	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
24	21	45	54.2%	34.39 S	71.27 W	50 G		0.2	6 NEAR COAST OF CENTRAL CHILE
24	22	54	27.9%	43.208 N	0.917 W	10 G		0.3	7 PYRENEES. ML 1.1 (STR).
24	22	58	23.7%	4.34 N	76.43 W	50 G		0.7	7 COLOMBIA. MD 2.9 (UVC).
24	23	01	12.5%	37.241 N	4.066 W	10 G		1.2	7 SPAIN. mbLg 2.6 (MDD).
24	23	12	20.6	2.695 S	101.106 E	52 D	5.1	1.1	72 SOUTHERN SUMATERA, INDONESIA
24	23	59	55.3%	43.52 N	11.61 E	10 G		0.4	4 CENTRAL ITALY
25	01	52	34.0%	31.607 N	57.231 E	72 *	4.2	0.9	16 NORTHERN IRAN
25	03	25	19.9%	44.070 N	12.129 E	10 G		0.2	5 NORTHERN ITALY
25	04	08	38.8%	36.005 N	69.920 E	104 ?	4.4	0.5	12 HINDU KUSH REGION, AFGHANISTAN
25	05	11	35.2%	33.549 S	68.288 W	33 N		0.6	13 MENDOZA PROVINCE, ARGENTINA
25	05	19	55.8%	34.21 S	70.35 W	33 N		1.4	8 CHILE-ARGENTINA BORDER REGION
25	05	22	06.1%	0.757 S	127.421 E	33 N	5.1	1.0	25 HALMAHERA, INDONESIA
25	05	44	23.9	41.276 N	20.914 E	14		1.1	46 ALBANIA ML 3.6 (TTG), 3.5 (SKO). Felt (IV) in southwestern Macedonia.

25	06 16 43.2%	18.211 N	66.966 W	33 N	1.2	8	PUERTO RICO REGION
25	07 22 08.0*	41.075 S	44.177 E	10 G	4.8 4.3	1.2	22 CROZET ISLANDS REGION
25	07 33 58.5%	3.895 N	76.078 W	33 N	1.0	7	COLOMBIA. MD 2.8 (UVC).
25	08 06 29.2	23.833 S	179.978 W	543 ?	4.7	1.0	43 SOUTH OF FIJI ISLANDS
25	08 43 42.0*	61.515 N	147.860 W	28		46	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
25	09 03 42.6*	35.815 N	121.317 W	4		8	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
25	09 18 41.4*	19.108 N	107.880 W	10 G	4.0	0.8	15 OFF COAST OF JALISCO, MEXICO
25	09 36 48.0%	40.358 N	23.305 E	10 G		1.0	6 GREECE. MD 1.5 (THE).
25	09 46 16.5%	44.323 N	7.489 E	10 G		0.3	6 NORTHERN ITALY. ML 2.1 (GEN).
25	10 08 50.3	33.229 S	72.123 W	43	4.7	0.9	32 OFF COAST OF CENTRAL CHILE. Felt (III) at Valparaiso and Santo Domingo and (II) at Santiago.
25	10 26 28.27	34.40 S	70.99 W	75 G		0.4	9 CHILE-ARGENTINA BORDER REGION
25	10 39 01.3	43.301 N	144.351 E	98 G	5.7	0.8	398 HOKKAIDO, JAPAN REGION. mb 5.4 (BRK). Felt (III) at Misawa, Hanshu. Depth from broadband displacement seismograms.
25	11 02 01.5*	59.239 N	136.224 W	10 G		28	SOUTHEASTERN ALASKA. <PGC>. ML 3.6 (PGC), 3.1 (AEIC). Felt strongly at Pleasant Camp, British Columbia. Also felt at the U.S. Customs Post on the Haines Highway.
25	11 18 19.47	23.67 N	122.73 E	5 G		0.7	5 TAIWAN REGION
25	11 18 51.2%	46.650 N	8.564 E	10 G		0.4	7 SWITZERLAND
25	11 30 02.0%	43.746 N	7.624 E	10 G		1.1	6 NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG).
25	12 42 10.5	28.554 S	71.910 W	33 N	4.8	1.2	33 NEAR COAST OF CENTRAL CHILE
25	13 25 02.6	31.479 S	177.773 W	33 N	5.1 4.9	1.2	34 KERMADEC ISLANDS REGION
25	13 25 39.1	48.787 N	154.863 E	33 N	4.7 4.5	0.7	32 KURIL ISLANDS
25	13 48 21.5	13.399 N	120.437 E	23 D	5.2 5.1	1.0	112 MINDORO, PHILIPPINE ISLANDS
25	13 50 15.5%	40.547 N	15.653 E	10 G		0.4	10 SOUTHERN ITALY
25	14 40 39.8	23.788 N	122.952 E	27	5.2 4.7	1.0	137 TAIWAN REGION
25	15 15 26.2%	39.750 N	28.058 E	10 G		0.6	6 TURKEY
25	15 42 06.2*	47.123 N	123.618 W	39		90	WASHINGTON. <SEA>. ML 3.8 (SEA), 3.5 (GS). Felt in the Aberdeen-Olympia area.
25	16 02 28.6?	33.74 S	70.33 W	100 ?		0.1	9 CHILE-ARGENTINA BORDER REGION
25	16 28 31.4*	48.725 N	10.150 E	10 G		1.0	5 GERMANY. ML 2.4 (VIE).
25	16 52 55.8	40.683 N	23.359 E	10 G		1.0	19 GREECE. MD 3.3 (THE). ML 3.1 (SKO).
25	17 13 37.0*	5.381 S	146.725 E	160	4.6	0.6	19 EASTERN NEW GUINEA REG., P.N.G.
25	17 33 36.4%	47.080 N	4.680 E	10 G		0.9	8 FRANCE. ML 2.3 (LDG).
25	18 05 21.2	41.289 N	23.297 E	10 G	4.1	1.1	64 GREECE-BULGARIA BORDER REGION. MD 4.2 (THE). ML 4.0 (ATH), 3.8 (SKO). Felt in southwestern Bulgaria.
25	18 34 36.7	40.675 N	23.400 E	10 G		0.4	10 GREECE. MD 2.5 (THE).
25	18 40 31.6?	4.23 N	76.78 W	75 G		0.7	8 COLOMBIA. MD 3.9 (UVC).
25	18 48 41.0	47.087 N	4.772 E	10 G		1.2	22 FRANCE. ML 3.2 (LDG), 2.8 (STR).
25	19 42 55.3	33.630 S	70.042 W	110 ?		0.2	9 CHILE-ARGENTINA BORDER REGION
25	20 09 14.1	45.335 N	6.868 E	10 G		0.1	7 FRANCE
25	20 59 14.6%	43.900 N	11.832 E	10 G		1.1	7 CENTRAL ITALY
25	21 06 04.0	38.202 S	175.949 E	229	4.6	1.2	73 NORTH ISLAND, NEW ZEALAND
25	21 24 41.2	38.331 N	22.227 E	36	4.6	1.1	231 GREECE. MD 4.5 (THE). ML 4.5 (ATH), 4.5 (TTG).
25	21 51 31.1	54.583 N	161.903 E	53 D	4.6	0.7	49 NEAR EAST COAST OF KAMCHATKA
25	22 19 08.5%	44.067 N	12.120 E	10 G		0.5	5 NORTHERN ITALY
25	23 03 21.7%	44.211 N	12.126 E	10 G		0.8	7 NORTHERN ITALY
25	23 03 34.4	44.151 N	12.156 E	10 G		0.8	9 NORTHERN ITALY
25	23 22 52.3	62.538 N	151.200 W	33 N		1.1	9 CENTRAL ALASKA. ML 2.9 (PMR).
25	23 31 52.5?	43.32 N	17.76 E	10 G		0.8	6 NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
25	23 46 17.1*	64.686 N	137.635 W	3		27	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 3.3 (AEIC).
25	23 59 11.4%	44.027 N	12.144 E	10 G		0.6	9 NORTHERN ITALY
25	23 59 52.1%	44.072 N	12.153 E	10 G		0.9	9 NORTHERN ITALY
26	00 33 55.17	33.26 S	72.23 W	10 G		0.4	7 OFF COAST OF CENTRAL CHILE
26	01 11 17.6*	34.489 N	33.107 E	26 *	4.0	1.3	15 CYPRUS REGION. MD 4.0 (HLW).
26	01 27 18.5	44.125 N	12.189 E	10 G		0.9	11 NORTHERN ITALY
26	01 44 25.1*	60.046 N	153.124 W	122		69	SOUTHERN ALASKA. <AEIC>.
26	01 47 59.87	15.36 N	61.42 W	150 G		0.3	6 LEEWARD ISLANDS
26	01 48 42.3	46.137 N	6.377 E	10 G		1.1	19 SWITZERLAND. ML 2.6 (LDG).
26	02 02 29.2%	41.829 N	20.102 E	10 G		0.5	10 ALBANIA. ML 2.1 (TTG).
26	02 25 20.4	44.157 N	12.190 E	18		1.0	52 NORTHERN ITALY. ML 3.3 (VIE), 3.2 (LDG).
26	02 27 31.5	18.506 N	145.668 E	192 D	5.5	1.1	273 MARIANA ISLANDS. mb 5.7 (BRK). Ma=3.0*10**17 Nm (PPT).
26	02 36 53.1	44.175 N	12.199 E	10 G		0.8	28 NORTHERN ITALY. ML 3.0 (VIE), 3.0 (LDG).
26	02 49 19.9%	18.463 N	66.377 W	33 N		1.4	5 PUERTO RICO REGION
26	03 36 12.2%	40.681 N	29.910 E	10 G		0.5	7 TURKEY
26	03 52 05.3	44.181 N	12.169 E	9		1.0	30 NORTHERN ITALY. ML 3.0 (LDG), 3.0 (VIE).
26	04 16 31.0	40.677 N	29.887 E	10 G		0.4	13 TURKEY
26	05 05 25.6%	44.149 N	12.156 E	10 G		0.9	10 NORTHERN ITALY
26	05 27 56.2	41.810 N	20.126 E	10 G		0.8	10 ALBANIA. ML 2.7 (TTG).
26	05 27 59.6	7.359 N	34.869 W	10 G	5.0 4.9	0.9	138 CENTRAL MID-ATLANTIC RIDGE
26	05 57 28.9*	7.033 N	73.153 W	169		0.5	14 NORTHERN COLOMBIA
26	05 59 02.1*	49.510 N	117.610 W	7 G		2	BRITISH COLUMBIA, CANADA. <PGC>. ML 1.8 (PGC). Felt in the Slovan Valley.
26	06 56 03.87	44.53 N	7.27 E	10 G		0.2	4 NORTHERN ITALY. ML 1.2 (GEN).
26	07 09 17.57	44.19 N	11.41 E	10 G		0.3	4 NORTHERN ITALY
26	07 33 45.3*	49.510 N	117.610 W	7 G		2	BRITISH COLUMBIA, CANADA. <PGC>. ML 1.6 (PGC). Felt in the Slovan Valley.
26	07 40 21.9%	44.017 N	12.170 E	10 G		1.0	7 NORTHERN ITALY
26	08 37 40.6*	61.724 N	150.554 W	49		61	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
26	08 44 15.17	12.27 N	126.89 E	33 N	4.6	0.5	9 PHILIPPINE ISLANDS REGION
26	10 11 18.0*	2.407 N	79.460 W	33 N		1.0	9 SOUTH OF PANAMA
26	10 35 31.5*	28.988 N	130.212 E	33 N	4.0	1.2	11 RYUKYU ISLANDS
26	11 27 36.7*	3.056 S	139.289 E	33 N	4.6	0.4	6 IRIAN JAYA, INDONESIA
26	11 51 05.9*	41.681 N	22.342 E	10 G		0.7	5 NORTHWESTERN BALKAN REGION. ML 2.3 (SKO).
26	11 58 14.8%	40.501 N	27.242 E	10 G		0.4	6 TURKEY
26	12 10 48.0	14.922 S	167.331 E	157 *	4.9	1.1	108 VANUATU ISLANDS
26	12 34 40.6%	45.583 N	26.879 E	33 N		0.6	5 ROMANIA
26	12 43 37.9	44.168 N	12.204 E	12		0.9	32 NORTHERN ITALY. ML 3.2 (VIE), 3.1 (LDG).
26	12 48 02.0%	44.090 N	12.158 E	10 G		0.6	10 NORTHERN ITALY
26	12 59 05.2%	37.721 N	27.171 E	10 G		1.3	6 TURKEY
26	13 02 55.57	43.54 N	12.78 E	10 G		1.3	4 CENTRAL ITALY



26	13	37	02.3%	3.395	N	76.830	W	90	G	0.4	7	COLOMBIA. MD 2.9 (UVC).
26	14	08	36.8%	6.97	S	130.01	E	177	?	4.4	1.2	7 BANDA SEA
26	14	24	54.0%	3.855	N	76.121	W	33	N		1.4	6 COLOMBIA. MD 2.7 (UVC).
26	14	28	03.1%	24.780	N	97.210	E	33	N	4.5	1.3	10 MYANMAR-CHINA BORDER REGION
26	14	42	13.5%	40.353	N	124.468	W	19				11 NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK). Felt (III) at Honeydew.
26	14	43	23.0%	44.114	N	12.170	E	10	G		0.9	10 NORTHERN ITALY
26	14	57	10.8%	15.975	N	60.907	W	33	N		0.3	7 LEEWARD ISLANDS. ML 2.0 (FDF).
26	15	11	12.7%	44.06	N	12.12	E	10	G		0.3	4 NORTHERN ITALY
26	15	12	24.6%	44.690	N	6.625	E	10	G		0.8	5 FRANCE. ML 1.9 (GEN).
26	15	14	43.0%	44.133	N	12.185	E	10	G		0.8	9 NORTHERN ITALY
26	15	28	15.5%	16.706	N	96.715	W	33	N		1.5	7 OAXACA, MEXICO
26	15	35	37.4%	37.696	N	15.054	E	10	G		1.0	6 SICILY
26	15	36	40.9	42.085	N	144.229	E	66		4.5	0.9	26 HOKKAIDO, JAPAN REGION
26	16	39	46.5	40.659	N	23.398	E	5	G		0.5	9 GREECE. MD 2.1 (THE).
26	16	42	31.3%	1.624	N	127.364	E	33	N	4.6	0.9	6 HALMAHERA, INDONESIA
26	16	54	25.7%	44.143	N	12.181	E	10	G		0.7	10 NORTHERN ITALY
26	16	59	29.7%	44.142	N	12.190	E	10	G		0.8	9 NORTHERN ITALY
26	17	08	20.2%	13.911	N	91.000	W	33	N	4.2	1.1	14 NEAR COAST OF GUATEMALA
26	17	17	57.5%	58.330	N	153.053	W	71				36 KODIAK ISLAND REGION. <AEIC>.
26	17	18	05.4%	4.47	N	76.22	W	120	G		0.5	6 COLOMBIA. MD 3.1 (UVC).
26	17	19	52.4%	44.145	N	12.195	E	10	G		0.6	10 NORTHERN ITALY
26	17	25	53.3%	44.160	N	12.150	E	10	G		0.5	8 NORTHERN ITALY
26	17	47	48.0%	11.97	S	123.96	E	33	N	3.7	1.0	5 SOUTH OF TIMOR, INDONESIA
26	17	54	36.0%	44.09	N	12.12	E	10	G		0.4	4 NORTHERN ITALY
26	17	54	46.7%	40.730	N	23.415	E	10	G		0.2	7 GREECE. ML 1.7 (THE).
26	17	55	16.0%	15.63	N	60.85	W	33	N		0.2	5 LEEWARD ISLANDS. ML 2.0 (FDF).
26	18	18	05.8%	5.11	S	143.63	E	123	?	3.6	0.1	5 NEW GUINEA, PAPUA NEW GUINEA
26	19	23	49.6%	37.899	N	27.243	E	10	G		0.8	8 TURKEY
26	19	53	13.5%	47.043	N	7.799	E	10	G		1.4	7 SWITZERLAND. ML 2.2 (LDG).
26	20	00	17.0	46.970	N	7.501	E	10	G		1.3	11 SWITZERLAND. ML 2.4 (LDG).
26	20	18	23.9	44.748	N	2.859	E	10	G		0.6	21 FRANCE. ML 3.1 (STR), 2.9 (LDG).
26	20	31	03.4%	33.172	N	48.184	E	33	N	4.1	0.7	7 WESTERN IRAN
26	20	36	39.0%	6.11	S	151.46	E	58	?	4.3	1.1	6 NEW BRITAIN REGION, P.N.G.
26	21	10	09.9%	44.155	N	12.127	E	10	G		0.5	7 NORTHERN ITALY
26	21	41	05.3%	43.86	N	39.51	E	33	N	4.0	1.3	10 NORTHWESTERN CAUCASUS. Felt at Tuapse and Shepsi, Russia.
26	22	57	21.0%	11.054	N	62.172	W	33	N		1.0	10 WINDWARD ISLANDS. MD 3.4 (TRN).
26	23	23	30.4	40.669	N	23.435	E	10	G		0.5	10 GREECE. MD 2.7 (THE).
26	23	36	03.0%	3.94	N	76.31	W	110	G		0.5	7 COLOMBIA. MD 2.7 (UVC).
26	23	38	29.8%	40.631	N	23.454	E	10	G		0.3	6 GREECE. MD 1.6 (THE).
27	00	04	49.3%	35.57	S	178.82	W	100	?	5.2	1.0	20 EAST OF NORTH ISLAND, N.Z.
27	00	31	33.6	41.906	N	126.835	W	10	G	4.6	4.3	128 OFF COAST OF NORTHERN CALIFORNIA
27	00	34	27.0%	17.79	N	61.03	W	33	N		0.5	6 LEEWARD ISLANDS. ML 3.1 (FDF).
27	00	40	23.3%	30.434	N	78.549	E	33	N	4.2	0.7	8 NORTHERN INDIA
27	00	55	01.3	40.296	N	25.280	E	5	G		1.0	14 AEGEAN SEA. MD 2.9 (THE).
27	01	17	08.3%	42.146	N	19.268	E	10	G		0.2	8 NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
27	01	53	32.4%	18.189	N	67.185	W	33	N		0.6	7 MONA PASSAGE
27	01	54	25.5%	10.607	S	119.302	E	33	N	4.6	1.5	9 SUMBA REGION, INDONESIA
27	01	56	11.9%	43.975	N	12.074	E	10	G		0.6	6 CENTRAL ITALY
27	02	30	16.7%	36.540	N	141.590	E	31			1.2	16 NEAR EAST COAST OF HONSHU, JAPAN
27	02	33	55.6%	61.250	N	151.038	W	62				36 SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
27	03	21	17.6%	49.510	N	117.610	W	7	G			29 BRITISH COLUMBIA, CANADA. <PGC>. ML 3.0 (PGC). MD 3.3 (SEA). Felt (IV) in the Nelson-Castlegar area. Felt most strongly in the Slovan Valley.
27	04	00	05.0%	35.72	N	2.84	W	10	G		0.3	5 STRAIT OF GIBRALTAR. mblg 2.8 (MDD).
27	04	33	05.9%	39.432	N	22.900	E	10	G		0.8	6 GREECE. MD 1.8 (THE).
27	04	46	10.8%	32.25	S	72.01	W	33	N		0.5	9 OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
27	05	06	45.9	35.963	N	141.380	E	29	D	5.2	4.7	0.9 157 NEAR EAST COAST OF HONSHU, JAPAN
27	05	34	13.4%	45.588	N	26.917	E	33	N		0.4	5 ROMANIA
27	05	36	45.5%	40.699	N	23.388	E	10	G		0.4	6 GREECE. MD 1.6 (THE).
27	05	43	51.5%	4.88	S	151.29	E	186	*	4.3	1.2	9 NEW BRITAIN REGION, P.N.G.
27	06	25	11.0%	41.251	N	23.306	E	10	G		0.9	5 GREECE-BULGARIA BORDER REGION. MD 1.8 (THE).
27	06	38	07.6	31.790	N	130.884	E	136	*	4.6	0.9	28 KYUSHU, JAPAN
27	07	01	23.2	40.198	N	63.054	E	39	D	5.0	3.7	0.9 120 NORTHWESTERN UZBEKISTAN
27	07	32	08.3%	14.61	N	60.89	W	10	G		0.2	4 WINDWARD ISLANDS. ML 2.0 (FDF).
27	07	55	39.0%	41.183	N	23.883	E	10	G		0.4	7 GREECE-BULGARIA BORDER REGION. MD 2.3 (THE).
27	08	10	04.4%	43.44	N	7.77	E	10	G		0.2	6 NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN).
27	08	56	36.2%	40.160	N	28.045	E	10	G		0.6	9 TURKEY
27	09	05	04.2	18.696	S	177.855	W	432		4.8	1.1	75 FIJI ISLANDS REGION
27	10	22	46.5	5.198	S	152.691	E	64	D	5.5	1.0	219 NEW BRITAIN REGION, P.N.G. Felt (IV) at Rabaul.
27	12	08	43.5%	61.610	N	150.578	W	13				42 SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
27	12	22	57.6%	5.250	S	152.670	E	58	*	4.6	0.2	8 NEW BRITAIN REGION, P.N.G.
27	12	47	38.5%	28.419	N	51.229	E	33	N	4.0	1.5	6 SOUTHERN IRAN
27	13	19	56.1%	29.500	N	79.049	E	33	N		0.7	8 NORTHERN INDIA. ML 3.9 (NDI).
27	13	55	12.9%	2.81	N	75.25	W	60	G		1.1	6 COLOMBIA. MD 3.7 (UVC).
27	14	08	12.0	72.149	N	1.142	W	10	G		0.8	20 JAN MAYEN ISLAND REGION. MD 3.3 (BER).
27	14	19	30.7%	38.95	N	23.85	E	10	G		0.4	6 GREECE. MD 2.1 (THE).
27	16	17	31.0	22.086	S	67.400	W	178	D	5.4	0.9	212 CHILE-BOLIVIA BORDER REGION. Mo=3.0*10**17 Nm (PPT).
27	16	18	22.3	44.643	N	114.135	W	5	G		0.6	15 WESTERN IDAHO. ML 3.6 (GS), 3.4 (BUT).
27	16	45	33.6%	42.668	N	0.099	W	10	G		0.2	5 PYRENEES. ML 1.3 (STR).
27	17	53	12.3%	57.609	N	143.104	W	10	G			47 GULF OF ALASKA. <AEIC>. ML 3.7 (AEIC).
27	18	57	13.2	18.302	N	99.253	W	56	*	3.9	1.1	12 GUERRERO, MEXICO
27	19	33	39.7	26.919	S	26.793	E	5	G		1.5	9 REPUBLIC OF SOUTH AFRICA. mblg 3.9 (BUL).
27	19	40	01.9%	40.769	N	15.590	E	5	G		0.9	7 SOUTHERN ITALY
27	20	27	27.6%	42.491	N	19.360	E	10	G		0.8	7 NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
27	20	35	06.5	44.339	N	7.216	E	10	G		0.5	25 NORTHERN ITALY. ML 2.5 (LDG), 2.4 (GEN).
27	20	40	36.6	10.318	N	125.207	E	33	N	4.8	3.5	0.8 23 LEYTE, PHILIPPINE ISLANDS
27	20	54	05.7%	33.650	N	116.750	W	14				19 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS). Felt at Idyllwild
27	20	57	10.1%	3.08	S	152.51	E	33	N	4.8	1.2	6 NEW IRELAND REGION, P.N.G.
27	21	49	37.9%	42.711	N	143.052	E	96	*		0.5	11 HOKKAIDO, JAPAN REGION
27	22	03	09.4	2.577	S	126.303	E	57	*	4.9	5.4	0.9 25 CERAM SEA

o 27	22 05 03.5	57.761 S	25.370 W	33 N	5.4 5.5	1.0	117	SOUTH SANDWICH ISLANDS REGION
27	22 45 20.8	39.604 N	28.524 E	10 G		0.8	9	TURKEY
27	23 06 04.6	0.008 S	16.659 W	10 G	4.8 4.5	1.3	55	NORTH OF ASCENSION ISLAND
27	23 06 11.7	31.44 S	71.63 W	33 N		0.5	9	NEAR COAST OF CENTRAL CHILE
27	23 17 38.8	64.86 N	148.75 W	33 N		0.2	4	CENTRAL ALASKA. ML 3.0 (PMR).
28	00 21 32.4	44.265 N	21.456 E	67	4.8	1.1	171	NORTHWESTERN BALKAN REGION. MD 4.4 (TTG). Felt in the Belgrade area.
28	01 04 44.4	42.270 N	18.881 E	10 G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
o 28	01 09 10.8	33.827 N	131.222 E	17 D	5.1 4.9	1.1	115	KYUSHU, JAPAN. One person slightly injured in Yamaguchi Prefecture, Honshu. Felt (IV JMA) at Fukuoka, Kyushu and (III JMA) in southwestern Honshu. Also felt on Shikoku. Felt (III) at Iwakuni, Honshu.
28	02 19 35.0	53.529 N	164.531 W	33 N	4.8 3.9	0.8	58	UNIMAK ISLAND REGION
28	02 34 56.4	44.160 N	21.277 E	10 G		1.2	5	NORTHWESTERN BALKAN REGION. MG 3.0 (BEO).
28	03 33 33.1	5.883 N	82.323 W	10 G	4.1	0.5	11	SOUTH OF PANAMA
28	03 35 59.2	33.986 N	26.687 E	10 G		0.1	5	EASTERN MEDITERRANEAN SEA. MD 3.8 (ATH).
28	03 42 09.7	41.691 N	13.954 E	10 G		1.0	7	SOUTHERN ITALY
28	04 10 39.2	16.062 N	94.285 W	33 N		1.4	6	OAXACA, MEXICO
28	04 48 03.9	32.529 S	70.725 W	90 G		0.4	11	CHILE-ARGENTINA BORDER REGION
28	05 31 35.5	40.263 N	128.318 W	5	3.5		17	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.2 (BRK).
28	05 50 57.1	5.98 S	151.93 E	163 ?	4.6	1.5	5	NEW BRITAIN REGION, P.N.G.
28	06 51 49.0	39.295 N	15.669 E	10 G		0.7	7	SOUTHERN ITALY
28	07 33 12.7	34.29 S	70.31 W	10 G		0.9	10	CHILE-ARGENTINA BORDER REGION
28	08 06 07.6	5.60 S	152.12 E	49 *	5.3 3.9	1.0	10	NEW BRITAIN REGION, P.N.G.
28	08 38 40.7	28.21 N	51.34 E	10 G	4.0	0.8	5	SOUTHERN IRAN
28	10 28 43.3	4.82 S	143.83 E	140 ?	4.4	0.3	5	NEW GUINEA, PAPUA NEW GUINEA
28	10 36 24.1	44.052 N	12.106 E	10 G		0.3	7	NORTHERN ITALY
28	10 36 27.9	44.184 N	12.224 E	10 G		0.9	36	NORTHERN ITALY. ML 3.5 (VIE), 3.4 (LDG).
28	10 48 40.8	43.993 N	12.107 E	5 G		0.7	9	CENTRAL ITALY
28	11 17 05.0	5.77 N	82.22 W	10 G		0.5	8	SOUTH OF PANAMA
28	11 30 36.7	2.622 S	134.461 E	33 N	4.6 3.7	1.2	14	IRIAN JAYA REGION, INDONESIA
28	11 47 24.6	34.137 N	46.865 E	36 *	4.5 3.6	1.4	30	WESTERN IRAN. Felt at Kermanshah.
28	11 49 58.3	39.367 N	28.839 E	10 G		0.6	8	TURKEY
28	12 18 21.5	39.13 N	21.87 E	10 G		0.8	4	GREECE
28	12 21 26.9	4.92 N	75.14 W	96 ?		0.4	10	COLOMBIA
28	12 30 39.7	3.45 N	76.25 W	120 G		0.5	5	COLOMBIA. MD 2.6 (UVC).
28	12 31 20.3	42.51 N	24.08 E	10 G		0.6	8	BULGARIA. MD 2.9 (THE).
28	13 14 34.0	59.938 N	6.058 E	10 G		0.9	11	SOUTHERN NORWAY. MD 3.0 (BER). Felt at Rosendal.
28	14 15 16.8	38.764 N	21.781 E	10 G		0.9	7	GREECE. MD 3.0 (ATH).
28	14 21 43.9	7.11 S	129.10 E	158 ?	3.8	1.2	5	BANDA SEA
28	14 59 42.8	3.59 S	141.49 E	33 N	4.0	1.6	5	NEW GUINEA, PAPUA NEW GUINEA
28	15 09 31.6	60.709 N	5.572 E	10 G		0.1	5	SOUTHERN NORWAY. MD 1.5 (BER).
28	15 15 34.2	41.58 N	29.07 E	10 G		1.5	4	TURKEY
28	15 36 51.0	36.675 N	71.046 E	175 ?	4.8	1.0	12	AFGHANISTAN-TAJIKISTAN BORD REG.
28	17 52 12.0	1.13 N	96.79 E	33 N	5.0	1.5	6	OFF W COAST OF NORTHERN SUMATERA
28	17 54 37.6	47.69 N	7.49 E	10 G		0.9	4	SWITZERLAND. ML 2.2 (LDG).
28	18 11 53.8	60.027 N	152.934 W	111			46	SOUTHERN ALASKA. <AEC>.
28	18 25 39.2	40.851 N	25.686 E	10 G		0.9	8	AEGEAN SEA. MD 2.9 (THE).
28	19 48 11.8	31.851 S	71.339 W	33 N		0.7	11	NEAR COAST OF CENTRAL CHILE
28	19 56 29.7	4.90 N	76.18 W	100 G		0.4	5	COLOMBIA. MD 2.9 (UVC).
28	20 16 17.6	4.70 N	76.11 W	100 G		0.5	4	COLOMBIA. MD 3.0 (UVC).
28	20 18 14.6	29.816 N	142.306 E	33 N	4.3 3.8	1.2	23	SOUTH OF HONSHU, JAPAN
28	20 34 06.6	18.189 N	67.130 W	33 N		0.5	8	MONA PASSAGE
28	20 58 26.1	41.070 N	73.578 W	10 G			2	NEW YORK. <WES-P>. mbLg 3.0 (WES). Felt (IV) at Riverside and Stamford, Connecticut. Felt (III) at Cas Cob and Old Greenwich, Connecticut.
28	21 06 01.8	44.159 N	12.212 E	10 G		1.0	11	NORTHERN ITALY
28	21 22 30.3	44.132 N	12.189 E	10 G		1.2	7	NORTHERN ITALY
28	21 50 34.9	37.629 N	72.214 E	86 *	5.1	1.0	157	TAJIKISTAN
28	21 54 52.2	5.758 N	82.479 W	33 N	4.5	1.0	28	SOUTH OF PANAMA
28	22 36 06.2	4.40 N	76.43 W	10 G		0.8	4	COLOMBIA. MD 2.5 (UVC).
28	22 50 39.4	16.327 S	178.005 E	10 G	4.8 4.1	1.0	16	FIJI ISLANDS. ML 4.5 (SVA).
28	23 12 19.7	7.495 S	154.360 E	172 *	4.4	1.3	16	SOLOMON ISLANDS
29	00 08 34.5	41.04 N	23.71 E	10 G		0.6	4	GREECE-BULGARIA BORDER REGION. MD 1.7 (THE).
29	00 47 14.8	36.381 N	4.558 W	104		0.6	28	STRAIT OF GIBRALTAR. MD 3.2 (RBA).
29	00 53 20.2	45.895 N	2.970 E	5 G		0.8	18	FRANCE. ML 2.6 (LDG).
29	01 09 01.4	44.175 N	12.158 E	10 G		0.6	10	NORTHERN ITALY
29	01 16 43.9	34.46 S	70.43 W	10 G		0.4	7	CHILE-ARGENTINA BORDER REGION
29	01 19 53.7	44.158 N	12.141 E	10 G		0.6	11	NORTHERN ITALY
29	02 32 58.1	7.97 S	159.24 E	33 N	4.6	1.2	8	SOLOMON ISLANDS
29	02 57 49.5	40.348 N	28.207 E	10 G		0.9	10	TURKEY
29	03 22 31.7	40.677 N	23.376 E	10 G		0.4	6	GREECE. MD 1.8 (THE).
29	03 27 04.4	34.080 N	117.250 W	13			16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt at Colimesa, Riverside, San Bernardino and Yucaipa.
29	03 59 12.6	15.839 N	60.839 W	33 N		0.7	13	LEEWARD ISLANDS. ML 2.7 (FDF).
29	04 21 57.5	27.203 N	55.743 E	33 N	4.6	1.2	15	SOUTHERN IRAN. Felt at Bander-e Abbas.
29	04 33 26.1	40.923 N	22.847 E	10 G		0.4	7	GREECE. MD 1.8 (THE).
29	05 23 02.8	38.420 N	21.982 E	10 G		0.8	11	GREECE. MD 3.1 (ATH), 3.0 (THE).
29	05 28 18.0	44.871 N	11.322 E	10 G		0.8	11	NORTHERN ITALY. ML 3.2 (VIE).
29	06 21 55.4	40.764 N	27.494 E	10 G		0.7	8	TURKEY
29	06 46 48.9	5.07 N	76.68 W	90 G		0.5	7	COLOMBIA. MD 3.4 (UVC).
29	06 49 33.9	40.821 N	22.942 E	10 G		0.6	15	GREECE. MD 2.8 (THE). ML 2.7 (SKO).
29	08 21 05.7	23.824 N	120.741 E	10 G		0.3	5	TAIWAN
29	08 55 04.9	40.354 N	29.877 E	10 G		0.7	9	TURKEY
29	09 24 40.0	44.012 N	148.245 E	79 *	5.2	0.8	17	KURIL ISLANDS
29	10 03 33.9	40.826 N	22.924 E	10 G		0.9	11	GREECE. MD 2.2 (THE).
29	10 37 30.6	40.54 N	21.39 E	10 G		1.0	4	GREECE
29	10 46 46.6	10.82 N	62.34 W	10 G		0.2	6	NEAR COAST OF VENEZUELA. MD 3.7 (TRN).
29	11 27 35.6	3.940 S	131.368 E	33 N	4.5	1.2	8	IRIAN JAYA REGION, INDONESIA
29	12 23 16.9	46.133 N	12.327 E	10 G		1.2	6	NORTHERN ITALY. MD 2.4 (LUJ).
29	12 26 04.2	45.328 N	14.724 E	10 G		1.2	8	NORTHWESTERN BALKAN REGION. MD 3.1 (LUJ).
29	12 36 09.1	11.305 N	60.817 W	10 G		0.3	7	WINDWARD ISLANDS. MD 3.8 (TRN).
29	12 49 26.0	43.995 N	12.137 E	10 G		0.8	9	CENTRAL ITALY

29	12 50 08.2	43.448 N	5.407 E	10 G	0.6	15	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
29	13 39 20.9%	2.742 N	76.065 W	20 G	0.2	6	COLOMBIA. MD 3.2 (UVC).
29	14 44 08.4	39.988 N	23.313 E	10 G	0.3	9	AEGERIAN SEA. MD 2.2 (THE).
29	15 05 45.2%	42.752 N	12.978 E	10 G	1.1	8	CENTRAL ITALY
29	15 26 24.6%	11.285 N	60.768 W	10 G	0.5	8	WINDWARD ISLANDS. MD 3.1 (TRN). Felt on Tobago.
29	15 35 50.9	41.977 N	20.100 E	10 G	1.2	10	ALBANIA. ML 2.6 (TTG).
29	15 49 35.0	42.037 N	20.170 E	10	0.9	35	NORTHWESTERN BALKAN REGION. ML 3.4 (SKO), 3.2 (TTG). MD 3.4 (ATH), 3.2 (THE).
29	16 30 20.2	37.273 N	106.032 E	33 N 4.6	1.3	28	WESTERN NEI MONGOL, CHINA. ML 4.6 (BJI).
29	16 50 35.9*	6.600 S	130.806 E	105 * 5.2	1.1	12	BANDA SEA
29	16 53 19.8%	31.900 N	115.880 W	6 G	1.1	10	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.4 (PAS).
29	17 21 01.2%	42.341 N	18.814 E	10 G	0.2	5	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
29	17 49 32.4	39.711 N	29.238 E	10 G	0.8	24	TURKEY. MD 3.8 (ATH).
29	18 18 45.7?	7.70 S	158.94 E	33 N 4.7	1.2	9	SOLOMON ISLANDS
29	18 48 44.1	41.179 N	19.870 E	5 G	1.2	20	ALBANIA. ML 2.8 (TTG). MD 3.2 (ATH).
29	19 08 13.3%	60.740 N	151.003 W	17	0.7	64	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.3 (AEIC), 3.4 (PMR).
29	19 52 14.2*	34.099 N	36.719 E	10 G	0.3	11	JORDAN - SYRIA REGION
29	20 04 28.3%	42.291 N	19.072 E	10 G	0.3	9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
29	20 22 58.0%	59.772 N	153.167 W	115	0.7	61	SOUTHERN ALASKA. <AEIC>.
29	20 58 45.7%	41.272 N	23.311 E	10 G	0.5	5	GREECE-BULGARIA BORDER REGION. MD 1.9 (THE).
29	21 46 18.7*	7.014 S	129.480 E	156 ? 4.5	1.4	9	BANDA SEA
29	22 45 27.8%	38.161 N	15.050 E	10 G	0.8	5	SICILY
o 29	23 13 57.4	16.184 S	167.990 E	177 D 5.3	0.9	215	VANUATU ISLANDS
30	00 47 06.1	44.985 N	9.900 E	12	0.8	32	NORTHERN ITALY. ML 2.8 (LDG).
30	01 01 34.1	38.106 N	20.848 E	56 4.1	1.1	76	GREECE. MD 3.8 (ATH), 4.0 (THE).
30	01 02 43.4	7.106 S	154.855 E	31 D 5.2	1.0	53	SOLOMON ISLANDS
30	01 04 02.4%	59.900 N	152.391 W	95	0.9	39	SOUTHERN ALASKA. <AEIC>.
30	01 50 54.6	44.994 N	9.916 E	10 G	0.2	14	NORTHERN ITALY. ML 2.7 (LDG).
30	01 58 17.2?	44.99 N	9.89 E	10 G	0.2	4	NORTHERN ITALY
30	02 33 42.8	44.988 N	9.929 E	10 G	0.8	29	NORTHERN ITALY. ML 2.8 (LDG).
30	03 17 13.9*	31.928 S	72.219 W	28	0.8	16	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN). Felt (II) in the Santiago area.
30	03 57 08.7%	17.870 N	94.978 W	33 N	0.7	8	CHIAPAS, MEXICO
o 30	04 02 42.5	5.657 S	153.899 E	69 D 5.7	1.0	159	NEW IRELAND REGION, P.N.G.
30	04 22 10.0?	14.30 S	166.41 E	33 N 4.7	0.3	7	VANUATU ISLANDS
30	04 56 21.9*	16.284 S	173.478 W	33 N 5.0	1.2	40	TONGA ISLANDS
30	04 57 38.9?	3.43 N	75.98 W	140 G	0.2	6	COLOMBIA. MD 2.7 (UVC).
30	06 47 51.1?	31.66 S	70.12 W	120 G	0.4	9	CHILE-ARGENTINA BORDER REGION
30	06 57 03.5	4.862 N	126.366 E	104 ? 4.7	1.0	19	TALAUD ISLANDS, INDONESIA
30	09 01 58.4	9.696 N	82.197 W	10 G 4.6	1.1	26	PANAMA-COSTA RICA BORDER REGION. MD 4.6 (UPA). Felt (V) at Changuinola, Boca del Drago and Bocas del Toro, (IV) at Bastimentos and (III) at Chiriqui Grande.
30	09 23 26.9%	40.830 N	27.788 E	10 G	0.6	8	TURKEY
f 30	10 35 41.4	15.310 S	173.187 W	18 G 5 8 6.4	1.2	335	TONGA ISLANDS. Mo=2.0*10**18 Nm (PPT). Felt at Apio, Western Samoa. Depth from broadband displacement seismograms.
30	11 05 00.2	43.364 N	19.377 E	5 G	0.6	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
30	12 35 45.7?	43.20 N	12.69 E	10 G	0.4	4	CENTRAL ITALY
30	12 40 52.2?	41.45 N	22.44 E	10 G	0.1	5	NORTHWESTERN BALKAN REGION. MD 2.1 (THE). ML 1.7 (SKO).
30	12 42 06.0?	36.50 N	141.56 E	33 N 4.0	0.8	7	NEAR EAST COAST OF HONSHU, JAPAN
30	12 49 20.1?	14.66 N	60.10 W	31 *	0.7	10	WINDWARD ISLANDS. ML 2.9 (FDF).
30	12 53 43.7%	45.382 N	25.284 E	10 G	1.3	7	ROMANIA
30	13 05 21.5*	33.235 S	71.757 W	10 G	1.0	10	NEAR COAST OF CENTRAL CHILE
30	13 10 15.6?	42.37 N	23.88 E	10 G	0.7	6	BULGARIA. MD 2.8 (THE).
30	13 13 58.0?	26.38 N	88.76 E	33 N	0.7	6	INDIA-BANGLADESH BORDER REGION
30	13 43 32.9	6.689 N	72.890 W	166 4.7	0.8	30	NORTHERN COLOMBIA
30	14 10 03.8?	33.13 S	72.16 W	10 G	0.5	8	OFF COAST OF CENTRAL CHILE
30	14 22 31.0%	38.739 N	27.680 E	10 G	0.5	6	TURKEY
30	14 48 36.7	44.194 N	12.192 E	10 G	0.8	17	NORTHERN ITALY. ML 3.3 (VIE).
30	15 24 52.1*	32.585 S	70.376 W	114 ?	0.3	11	CHILE-ARGENTINA BORDER REGION
30	15 35 33.6	44.990 N	9.933 E	10 G	0.7	19	NORTHERN ITALY. ML 2.6 (GEN).
30	15 35 51.4	45.014 N	9.951 E	10 G	1.1	33	NORTHERN ITALY. ML 3.1 (LDG).
30	16 01 38.3	36.623 N	71.358 E	173 5.0	0.9	151	AFGHANISTAN-TAJIKISTAN BORD REG.
30	16 24 20.7	45.029 N	9.937 E	14	0.9	44	NORTHERN ITALY. ML 3.3 (LDG).
30	16 37 18.2?	18.00 S	173.28 W	33 N 5.0	0.8	18	TONGA ISLANDS
30	17 46 44.5	13.579 N	90.485 W	33 N 4.9 4.7	1.0	45	NEAR COAST OF GUATEMALA
30	17 55 08.5*	13.571 N	90.437 W	33 N 4.7	1.1	26	NEAR COAST OF GUATEMALA
30	17 56 56.8	23.384 N	142.786 E	55 D 4.9	1.1	83	VOLCANO ISLANDS REGION
30	20 00 15.3*	9.687 S	74.855 W	33 N	0.8	8	CENTRAL PERU
30	21 52 57.4	17.704 S	174.802 W	201 D 4.7	1.0	60	TONGA ISLANDS
30	21 53 18.0%	58.222 N	142.808 W	10 G 3.9	0.7	73	GULF OF ALASKA. <AEIC>. ML 3.6 (AEIC), 3.9 (PMR).
30	22 15 25.0*	33.214 S	71.810 W	10 G	1.0	14	NEAR COAST OF CENTRAL CHILE
30	22 37 13.1	44.696 N	6.790 E	10 G	0.5	17	FRANCE. ML 2.4 (LDG), 2.2 (GEN).
30	23 18 13.5?	33.08 S	72.31 W	10 G	0.4	10	OFF COAST OF CENTRAL CHILE
30	23 37 35.5?	13.36 S	166.80 E	33 N 4.9	1.3	22	VANUATU ISLANDS
30	23 40 15.5	43.361 N	0.746 W	10 G	1.0	17	PYRENEES. ML 2.5 (LDG).
30	23 59 43.7?	32.61 S	73.12 W	33 N	0.5	7	OFF COAST OF CENTRAL CHILE
31	00 02 09.1*	32.253 S	69.016 W	134 ?	0.9	12	MENDOZA PROVINCE, ARGENTINA
31	00 42 40.3?	14.81 N	60.78 W	33 N	0.3	4	WINDWARD ISLANDS. ML 2.7 (FDF).
31	00 42 54.0%	15.457 N	61.172 W	162 ?	0.2	10	LEEWARD ISLANDS
o 31	01 11 34.8	2.020 S	134.307 E	33 D 5.2 5.0	0.9	76	IRIAN JAYA REGION, INDONESIA
31	02 27 34.8*	33.154 S	72.009 W	19 *	0.4	10	OFF COAST OF CENTRAL CHILE
31	02 29 02.5	40.148 N	72.841 E	21 D 5.2 5.0	1.1	161	KYRGYZSTAN
31	02 34 18.7?	32.53 S	71.25 W	33 N	0.3	8	NEAR COAST OF CENTRAL CHILE
31	03 01 08.9%	33.233 S	71.172 W	33 N	0.9	8	NEAR COAST OF CENTRAL CHILE
31	03 04 07.0*	36.486 N	25.579 E	33 N	1.1	6	DODECANESE ISLANDS. ML 3.7 (ATH).
31	03 13 37.2	45.583 N	3.650 E	10 G	0.7	15	FRANCE. ML 2.1 (LDG), 2.0 (STR).
31	03 21 58.1%	17.755 N	76.847 W	10 G	1.2	5	JAMAICA REGION. MD 1.8 (HOJ).
31	04 20 32.5*	45.731 N	26.796 E	128 ?	0.6	9	ROMANIA
31	04 51 47.3%	60.555 N	152.727 W	114	0.6	76	SOUTHERN ALASKA <AEIC>.
31	05 15 37.9%	41.689 N	13.569 E	10 G	0.6	6	SOUTHERN ITALY

31	05 24 49.8	5.872 N	126.019 E	166	4.8	0.7	22	MINDANAO, PHILIPPINE ISLANDS	
31	09 31 17.4	45.011 N	10.059 E	10	3.8	1.0	142	NORTHERN ITALY. ML 4.3 (LDG), 4.3 (STR). MD 3.9 (ROM).	
31	09 36 22.1	72.628 N	3.179 E	10	3.9	1.2	11	NORWEGIAN SEA	
31	09 54 44.8	4.45 N	76.15 W	90	6	0.5	5	COLOMBIA MD 2.7 (UVC).	
31	10 29 23.4	39.120 N	99.582 E	33	N	1.2	11	GANSU, CHINA. ML 4.3 (BJI).	
31	10 51 58.1	45.018 N	9.919 E	10	G	0.8	7	NORTHERN ITALY	
31	10 55 44.3	24.129 N	95.518 E	33	N	0.6	8	MYANMAR	
31	10 59 59.3	44.991 N	9.931 E	17		1.0	40	NORTHERN ITALY. ML 3.1 (LDG).	
31	11 16 17.3	44.340 N	8.219 E	10	G	0.4	8	NORTHERN ITALY. ML 2.0 (GEN).	
31	11 23 30.4	31.513 S	69.452 W	33	N	1.4	11	SAN JUAN PROVINCE, ARGENTINA	
31	12 20 21.3	36.632 N	121.300 W	7			14	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).	
31	12 20 36.3	57.869 S	25.677 W	10	G	4.8	0.9	10	SOUTH SANDWICH ISLANDS REGION
31	12 38 43.3	13.792 N	114.361 W	10	G	4.8	1.0	40	EAST CENTRAL PACIFIC OCEAN
31	12 59 41.3	58.710 N	149.650 W	10	G	0.4	8	GULF OF ALASKA. ML 2.8 (GS).	
31	14 22 08.9	43.09 S	172.81 E	33	N	4.7	0.5	9	SOUTH ISLAND, NEW ZEALAND
31	14 35 07.8	30.541 N	50.163 E	24	D	4.9	1.2	101	NORTHERN IRAN. Felt at Behbahan.
31	14 47 27.3	4.66 N	76.26 W	120	G	0.4	8	COLOMBIA. MD 4.0 (UVC).	
31	15 31 47.7	29.603 S	71.264 W	71	D	4.9	1.2	61	NEAR COAST OF CENTRAL CHILE. Felt (111) at Coquimbo.
31	18 25 33.7	45.007 N	9.936 E	10	G	0.7	9	NORTHERN ITALY	
31	20 47 31.2	44.789 N	6.638 E	10	G	0.3	7	FRANCE. ML 2.1 (GEN).	
31	21 42 28.0	28.27 N	128.53 E	108	?	4.6	1.1	19	RYUKYU ISLANDS
31	23 00 06.5	39.723 N	143.524 E	35		4.6	0.8	19	OFF EAST COAST OF HONSHU, JAPAN
31	23 16 59.1	64.034 N	147.446 W	9			41	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).	

## ADDITIONAL SOURCE PARAMETERS

02 14 32 55.19	10.402S	161.363E	91km	Dep 16.5	7.7	Half-duration	1.4	07 19 56 21.14	10.553S	117.161E	50km
5.4mb (40 obs.)				Principal Axes:				5.2mb (42 obs.)	4.9Msz (16 obs.)		
SOLOMON ISLANDS				Scale 10**16 Nm				SOUTH OF SUMBAWA, INDONESIA			
CENTROID, MOMENT TENSOR (HRV)				T Val= 5.58	P1g=12	Azm=256		CENTROID, MOMENT TENSOR (HRV)			
Data Used: GDSN				N -0.35	70	131		Data Used: GDSN			
L.P.B.: 21S, 43C				P -5.24	16	349		L.P.B.: 21S, 43C			
Centroid Location:				Best Double Couple: Mo=5.4*10**16				Centroid Location:			
Origin Time 14:32:58.8 0.4				NP1: Strike=32 Dip=70 Slip=-3				Origin Time 19:56:26.3 0.4			
Lat 10.34S 0.04 Lon 161.51E 0.03				NP2: 123 87 -160				Lat 10.74S 0.04 Lon 117.49E 0.06			
Dep 119.2 1.7 Half-duration 1.9								Dep 20.3 2.7 Half-duration 2.3			
Principal Axes:				06 02 46 24.69	64.748S	177.705E	10km	Principal Axes:			
Scale 10**17 Nm				5.3mb (9 obs.)	4.9Msz (1 obs.)			Scale 10**17 Nm			
T Val= 1.44	P1g=17	Azm=129		BALLENY ISLANDS REGION				T Val= 1.25	P1g=81	Azm=284	
N 0.05	12	222		CENTROID, MOMENT TENSOR (HRV)				N -0.03	9	105	
P -1.49	70	346		Data Used: GDSN				P -1.22	0	15	
Best Double Couple: Mo=1.5*10**17				L.P.B.: 17S, 33C				Best Double Couple: Mo=1.2*10**17			
NP1: Strike=202 Dip=30 Slip=-114				Centroid Location:				NP1: Strike=96 Dip=46 Slip=77			
NP2: 49 63 -77				Origin Time 02:46:31.7 0.4				NP2: 295 46 103			
02 17 49 10.75	10.272S	161.064E	95km	Lat 64.77S 0.05 Lon 178.05E 0.11				08 03 31 15.60	45.587N	149.049E	146km
5.2mb (35 obs.)				Dep 15.0	FIX	Half-duration 1.8		6.0mb (122 obs.)			
SOLOMON ISLANDS				Principal Axes:				KURIL ISLANDS			
CENTROID, MOMENT TENSOR (HRV)				Scale 10**17 Nm				FAULT PLANE SOLUTION: P-Waves			
Data Used: GDSN				T Val= 1.23	P1g=3	Azm=191		NP1: Strike=40 Dip=85 Slip=70			
L.P.B.: 25S, 49C				N 0.37	64	95		NP2: 297 21 166			
Centroid Location:				P -1.59	26	282		Principal Axes:			
Origin Time 17:49:11.5 0.3				Best Double Couple: Mo=1.4*10**17				T P1g=46 Azm=289			
Lat 10.24S 0.04 Lon 161.09E 0.03				NP1: Strike=324 Dip=70 Slip=-17				P 37 148			
Dep 67.3 4.4 Half-duration 2.5				NP2: 60 74 -159				Comment: The focal mechanism is			
Principal Axes:				06 07 51 33.67	16.773S	168.082E	22km	moderately well controlled and			
Scale 10**17 Nm				5.0mb (7 obs.)	5.2Msz (5 obs.)			corresponds to reverse			
T Val= 3.07	P1g=49	Azm=198		VANUATU ISLANDS				faulting with a moderate			
N 0.41	9	298		CENTROID, MOMENT TENSOR (HRV)				strike-slip component. The			
P -3.48	39	35		Data Used: GDSN				preferred fault plane is not			
Best Double Couple: Mo=3.3*10**17				L.P.B.: 21S, 49C				determined.			
NP1: Strike=177 Dip=10 Slip=149				Centroid Location:				RADIATED ENERGY			
NP2: 297 85 81				Origin Time 07:51:33.2 0.6				No. of sta: 10 Focal mech. F			
03 20 20 10.21	17.029S	167.941E	10km	Lat 17.03S 0.07 Lon 168.57E 0.05				Energy 2.0±0.5*10**13 Nm			
5.0mb (25 obs.)				Dep 15.2	FIX	Half-duration 1.9		MOMENT TENSOR SOLUTION			
5.7Msz (15 obs.)				Principal Axes:				Dep 139 No. of sta: 16			
VANUATU ISLANDS				Scale 10**17 Nm				Principal Axes:			
CENTROID, MOMENT TENSOR (HRV)				T Val= 1.37	P1g=14	Azm=50		Scale 10**18 Nm			
Data Used: GDSN				N -0.01	75	222		T Val= 1.13	P1g=38	Azm=296	
L.P.B.: 24S, 55C				P -1.36	2	319		N 0.00	25	48	
Centroid Location:				Best Double Couple: Mo=1.4*10**17				P -1.13	41	162	
Origin Time 20:20:15.7 0.6				NP1: Strike=94 Dip=78 Slip=171				Best Double Couple: Mo=1.1*10**18			
Lat 16.48S 0.06 Lon 168.43E 0.04				NP2: 185 81 12				NP1: Strike=322 Dip=25 Slip=-176			
Dep 30.8 4.2 Half-duration 2.6								NP2: 228 88 -65			
Principal Axes:				06 16 48 21.16	7.358S	74.827W	143km	CENTROID, MOMENT TENSOR (HRV)			
Scale 10**17 Nm				5.4mb (74 obs.)				Data Used: GDSN			
T Val= 3.11	P1g=10	Azm=40		PERU-BRAZIL BORDER REGION				L.P.B.: 24S, 62C			
N 1.02	77	262		CENTROID, MOMENT TENSOR (HRV)				Centroid Location:			
P -4.13	9	131		Data Used: GDSN				Origin Time 03:31:18.4 0.2			
Best Double Couple: Mo=3.6*10**17				L.P.B.: 20S, 33C				Lat 45.64N 0.02 Lon 149.03E 0.02			
NP1: Strike=176 Dip=77 Slip=1				Centroid Location:				Dep 144.5 0.6 Half-duration 3.9			
NP2: 85 89 167				Origin Time 16:48:23.3 0.6				Principal Axes:			
06 01 46 47.58	41.096N	43.409E	18km	Lat 7.30S 0.05 Lon 74.62W 0.07				Scale 10**17 Nm			
5.0mb (38 obs.)				Dep 145.0	2.1	Half-duration 1.7		T Val= 12.40	P1g=42	Azm=306	
4.6Msz (5 obs.)				Principal Axes:				N 0.18	8	44	
GEORGIA-ARMENIA-TURKEY BORD REG.				Scale 10**16 Nm				P -12.58	47	142	
CENTROID, MOMENT TENSOR (HRV)				T Val= 9.14	P1g=7	Azm=93		Best Double Couple: Mo=1.2*10**18			
Data Used: GDSN				N 0.22	8	2		NP1: Strike=331 Dip=9 Slip=-163			
L.P.B.: 18S, 27C				P -9.36	80	223		NP2: 224 87 -82			
Centroid Location:				Best Double Couple: Mo=9.2*10**16				09 12 19 18.53	0.904N	87.389W	10km
Origin Time 01:46:50.9 1.6				NP1: Strike=191 Dip=39 Slip=-78				5.0mb (20 obs.)	5.0Msz (6 obs.)		
Lat 41.29N 0.13 Lon 43.85E 0.15				NP2: 356 52 -100							

GALAPAGOS ISLANDS REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 24S, 50C  
Centroid Location:  
Origin Time 12:19:21.7 0.3  
Lat 0.77N 0.04 Lon 87.42W 0.05  
Dep 15.0 FIX Half-duration 2.1  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.73 Plg= 0 Azm=167  
N -0.32 90 180  
P -1.41 0 77  
Best Double Couple:Mo=1.6\*10\*\*17  
NP1:Strike=212 Dip=90 Slip=-180  
NP2: 302 90 0

09 15 39 24.59 53.516N 165.906W 33km  
5.2mb ( 42 obs.) 5.1MsZ ( 7 obs.)  
FOX ISLANDS, ALEUTIAN ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 22S, 51C  
Centroid Location:  
Origin Time 15:39:28.0 0.3  
Lat 53.32N 0.05 Lon 165.50W 0.04  
Dep 53.0 FIX Half-duration 1.8  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 10.43 Plg=70 Azm=280  
N 1.70 10 38  
P -12.12 17 131  
Best Double Couple:Mo=1.1\*10\*\*17  
NP1:Strike=235 Dip=29 Slip= 110  
NP2: 33 63 79

09 17 22 05.40 1.804N 31.293E 33km  
5.7mb ( 51 obs.) 5.4MsZ ( 14 obs.)  
UGANDA  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 24S, 43C  
Centroid Location:  
Origin Time 17:22: 8.2 0.5  
Lat 2.21N 0.07 Lon 31.18E 0.06  
Dep 15.0 FIX Half-duration 2.5  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 3.08 Plg= 1 Azm=137  
N -0.15 39 47  
P -2.93 51 228  
Best Double Couple:Mo=3.0\*10\*\*17  
NP1:Strike=260 Dip=56 Slip= -41  
NP2: 15 57 -139

10 01 32 29.44 17.505S 174.535W 152km  
5.3mb ( 46 obs.)  
TONGA ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 24S, 50C  
Centroid Location:  
Origin Time 01:32:33.1 0.4  
Lat 17.44S 0.04 Lon 174.25W 0.03  
Dep 158.7 1.2 Half-duration 2.5  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 3.22 Plg=42 Azm=105  
N -0.07 48 279  
P -3.15 3 12  
Best Double Couple:Mo=3.2\*10\*\*17  
NP1:Strike=140 Dip=59 Slip= 149  
NP2: 247 64 35

11 03 01 51.27 2.769S 153.070E 28km  
5.4mb ( 49 obs.) 5.1MsZ ( 16 obs.)  
NEW IRELAND REGION, P.N.G.  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 21S, 47C  
Centroid Location:  
Origin Time 03:01:54.8 0.4  
Lat 2.77S 0.04 Lon 153.27E 0.04  
Dep 15.0 FIX Half-duration 2.5  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 2.82 Plg=56 Azm=274  
N 0.22 7 173  
P -3.04 33 78  
Best Double Couple:Mo=2.9\*10\*\*17  
NP1:Strike=141 Dip=14 Slip= 57  
NP2: 355 78 98

12 16 26 24.86 13.742S 166.673E 44km  
5.9mb ( 72 obs.) 6.1MsZ ( 33 obs.)  
VANUATU ISLANDS  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=185 Dip=54 Slip= 100  
NP2: 348 37 77  
Principal Axes:  
T Plg=78 Azm=132  
P 8 268  
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: 13 Focal mech. M  
Energy 2.5±0.6\*10\*\*13 Nm  
MOMENT TENSOR SOLUTION  
Dep 41 No. of sta: 19  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 2.87 Plg=77 Azm=123  
N -0.04 9 347  
P -2.83 9 255  
Best Double Couple:Mo=2.8\*10\*\*18  
NP1:Strike=334 Dip=37 Slip= 74  
NP2: 174 55 102  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 27S, 73C M.W.: 16S, 26C  
Centroid Location:  
Origin Time 16:26:30.4 0.1  
Lat 13.74S 0.02 Lon 166.36E 0.01  
Dep 34.9 0.8 Half-duration 4.9  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 2.24 Plg=79 Azm= 86  
N 0.12 3 339  
P -2.36 10 249  
Best Double Couple:Mo=2.3\*10\*\*18  
NP1:Strike=335 Dip=35 Slip= 85  
NP2: 161 55 94

13 00 57 53.28 2.453N 127.727E 27km  
5.6mb ( 38 obs.) 5.5MsZ ( 14 obs.)  
NORTHERN MOLUCCA SEA  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 27S, 68C  
Centroid Location:  
Origin Time 00:57:59.5 0.4  
Lat 3.04N 0.03 Lon 127.82E 0.03  
Dep 15.0 FIX Half-duration 3.3  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 7.49 Plg= 0 Azm=251  
N 0.12 90 180  
P -7.61 0 161  
Best Double Couple:Mo=7.6\*10\*\*17  
NP1:Strike=296 Dip=90 Slip=-180  
NP2: 26 90 0

13 18 12 20.33 56.097S 122.633W 10km  
5.2mb ( 12 obs.) 6.2MsZ ( 26 obs.)  
SOUTHERN EAST PACIFIC RISE  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 27S, 70C M.W.: 21S, 38C  
Centroid Location:  
Origin Time 18:12:29.0 0.1  
Lat 55.81S 0.01 Lon 123.21W 0.02  
Dep 15.0 FIX Half-duration 5.4  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 3.00 Plg= 9 Azm=154  
N -0.05 78 295  
P -2.95 7 63  
Best Double Couple:Mo=3.0\*10\*\*18  
NP1:Strike=198 Dip=78 Slip= 179  
NP2: 289 89 12

14 14 35 55.73 18.094S 178.442W 583km  
5.3mb ( 43 obs.)  
FIJI ISLANDS REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 16S, 25C  
Centroid Location:  
Origin Time 14:36 0.6 1.2  
Lat 17.85S 0.12 Lon 178.08W 0.08  
Dep 596.7 5.2 Half-duration 2.6  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 13.08 Plg=39 Azm= 26  
N 1.74 37 153  
P -14.82 30 269  
Best Double Couple:Mo=1.4\*10\*\*17  
NP1:Strike= 53 Dip=37 Slip= 172  
NP2: 149 85 53

14 15 58 12.79 9.094S 158.442E 23km  
6.3mb ( 60 obs.) 7.1MsZ ( 31 obs.)  
SOLOMON ISLANDS  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=172 Dip=76 Slip= 90  
NP2: 352 14 90  
Principal Axes:  
T Plg=59 Azm= 82  
P 31 262  
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.  
RADIATED ENERGY  
No. of sta: 16 Focal mech. C  
Energy 4.0±0.4\*10\*\*14 Nm  
MOMENT TENSOR SOLUTION  
Dep 26 No. of sta: 19  
Principal Axes:  
Scale 10\*\*19 Nm  
T Val= 6.22 Plg=42 Azm=101  
N 0.35 31 338  
P -6.58 32 225  
Best Double Couple:Mo=6.4\*10\*\*19  
NP1:Strike=260 Dip=32 Slip= 11  
NP2: 161 84 121  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 27S, 80C M.W.: 22S, 50C  
Centroid Location:  
Origin Time 15:58:25.2 0.1  
Lat 9.17S 0.01 Lon 158.36E 0.01  
Dep 30.3 0.5 Half-duration 18.2  
Principal Axes:  
Scale 10\*\*19 Nm  
T Val= 7.54 Plg=62 Azm=103  
N 0.61 18 336  
P -8.15 21 239  
Best Double Couple:Mo=7.8\*10\*\*19  
NP1:Strike=300 Dip=29 Slip= 51  
NP2: 163 68 109

15 09 07 17.41 9.131S 158.395E 26km  
5.1mb ( 21 obs.) 4.8MsZ ( 5 obs.)  
SOLOMON ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 25S, 45C  
Centroid Location:  
Origin Time 09:07:18.4 0.3  
Lat 9.14S 0.05 Lon 158.41E 0.04  
Dep 21.4 2.4 Half-duration 1.9  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 11.20 Plg=66 Azm=120  
N 0.02 24 300  
P -11.22 0 30  
Best Double Couple:Mo=1.1\*10\*\*17  
NP1:Strike=142 Dip=49 Slip= 122  
NP2: 278 50 58

15 16 18 01.73 6.494S 130.043E 137km  
5.9mb ( 74 obs.)  
BANDA SEA  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike= 43 Dip=84 Slip= 67  
NP2: 299 24 165  
Principal Axes:  
T Plg=46 Azm=289  
P 35 153  
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.  
RADIATED ENERGY  
No. of sta: 10 Focal mech. C  
Energy 2.5±0.7\*10\*\*13 Nm  
MOMENT TENSOR SOLUTION  
Dep 148 No. of sta: 15  
Principal Axes:  
Scale 10\*\*18 Nm

T Val= 2.36 Plg=44 Azm=272  
N 0.01 43 63  
P -2.37 15 167  
Best Double Couple:Mo=2.4\*10\*\*18  
NP1:Strike=299 Dip=48 Slip= 156  
NP2: 46 72 45  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 28S, 73C  
Centroid Location:  
Origin Time 16:18: 8.9 0.2  
Lat 6.22S 0.02 Lon 129.78E 0.02  
Dep 156.9 0.7 Half-duration 4.8  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 2.17 Plg=37 Azm=278  
N -0.23 30 33  
P -1.94 39 150  
Best Double Couple:Mo=2.0\*10\*\*18  
NP1:Strike=306 Dip=30 Slip=-178  
NP2: 214 89 -60

17 05 20 57.88 4.524S 135.375E 23km  
5.6mb ( 43 obs.) 5.6Msz ( 27 obs.)  
IRIAN JAYA REGION, INDONESIA  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 26S, 70C  
Centroid Location:  
Origin Time 05:21: 0.3 0.2  
Lat 4.50S 0.02 Lon 135.38E 0.02  
Dep 15.2 BDY Half-duration 3.6  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 9.26 Plg=46 Azm=296  
N 0.33 43 106  
P -9.60 5 200  
Best Double Couple:Mo=9.4\*10\*\*17  
NP1:Strike=327 Dip=55 Slip= 147  
NP2: 77 63 40

17 09 05 20.23 15.300S 173.556W 36km  
5.6mb ( 52 obs.) 6.1Msz ( 19 obs.)  
TONGA ISLANDS  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=285 Dip=77 Slip= 90  
NP2: 105 13 90  
Principal Axes:

T Plg=58 Azm=195  
P 32 15

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

## RADIATED ENERGY

No. of sta: 12 Focal mech. M  
Energy 6.7±1.9\*10\*\*12 Nm

## MOMENT TENSOR SOLUTION

Dep 40 No. of sta: 18

## Principal Axes:

Scale 10\*\*18 Nm

T Val= 1.68 Plg=54 Azm=183

N -0.01 6 282

P -1.67 36 16

Best Double Couple:Mo=1.7\*10\*\*18

NP1:Strike=135 Dip=11 Slip= 124

NP2: 281 81 84

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 24S, 65C

Centroid Location:

Origin Time 09:05:28.4 0.2

Lat 14.83S 0.02 Lon 173.41W 0.02

Dep 62.1 2.7 Half-duration 4.1

## Principal Axes:

Scale 10\*\*18 Nm

T Val= 1.32 Plg=42 Azm=183

N -0.10 6 278

P -1.23 47 15

Best Double Couple:Mo=1.3\*10\*\*18

NP1:Strike=214 Dip= 7 Slip=-155

NP2: 99 87 -84

17 15 43 25.62 17.971S 178.654W 556km  
5.2mb ( 55 obs.)  
FIJI ISLANDS REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 16S, 21C  
Centroid Location:  
Origin Time 15:43:31.0 0.6  
Lat 17.88S 0.07 Lon 178.69W 0.05

Dep 559.1 3.7 Half-duration 2.0  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.49 Plg=57 Azm=348  
N 0.11 30 141  
P -1.60 12 238  
Best Double Couple:Mo=1.5\*10\*\*17  
NP1:Strike= 0 Dip=42 Slip= 138  
NP2: 124 64 57

17 17 46 56.82 86.986N 63.221E 10km  
5.1mb ( 64 obs.) 4.6Msz ( 13 obs.)  
NORTH OF FRANZ JOSEF LAND  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 19S, 35C  
Centroid Location:  
Origin Time 17:47: 2.3 0.6  
Lat 86.79N 0.09 Lon 62.58E 1.77  
Dep 15.0 FIX Half-duration 1.8  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 8.88 Plg=10 Azm= 12  
N 0.25 29 108  
P -9.13 59 264  
Best Double Couple:Mo=9.0\*10\*\*16  
NP1:Strike= 72 Dip=43 Slip=-135  
NP2: 305 61 -57

17 21 02 51.28 28.533N 43.551W 10km  
5.0mb ( 34 obs.) 5.2Msz ( 7 obs.)  
NORTHERN MID-ATLANTIC RIDGE  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 18S, 34C  
Centroid Location:  
Origin Time 21:02:54.5 0.3  
Lat 28.61N 0.04 Lon 43.43W 0.03  
Dep 15.0 FIX Half-duration 2.3  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.84 Plg= 0 Azm=101  
N 0.16 0 11  
P -2.00 90 180  
Best Double Couple:Mo=1.9\*10\*\*17  
NP1:Strike=191 Dip=45 Slip= -90  
NP2: 11 45 -90

18 14 04 54.93 35.692N 28.484E 52km  
5.3mb ( 59 obs.)  
EASTERN MEDITERRANEAN SEA  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 17S, 26C  
Centroid Location:  
Origin Time 14:04:54.2 1.5  
Lat 35.17N 0.18 Lon 28.52E 0.14  
Dep 33.0 FIX Half-duration 1.7  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 5.38 Plg=14 Azm=298  
N -1.78 73 80  
P -3.61 10 205  
Best Double Couple:Mo=4.5\*10\*\*16  
NP1:Strike=341 Dip=73 Slip= 177  
NP2: 72 87 17

18 17 22 55.15 24.295S 177.561W 198km  
5.8mb ( 76 obs.)  
SOUTH OF FIJI ISLANDS  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=358 Dip=84 Slip=-150  
NP2: 265 60 -7

## Principal Axes:

T Plg=16 Azm=128

P 25 225

Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.

RADIATED ENERGY

No. of sta: 9 Focal mech. F

Energy 3.0±1.0\*10\*\*13 Nm

## MOMENT TENSOR SOLUTION

Dep 198 No. of sta: 18

## Principal Axes:

Scale 10\*\*18 Nm

T Val= 5.50 Plg=14 Azm=114

N 0.07 46 10

P -5.57 41 217

Best Double Couple:Mo=5.5\*10\*\*18  
NP1:Strike=247 Dip=51 Slip= -22  
NP2: 351 73 -139  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 27S, 72C  
Centroid Location:  
Origin Time 17:23: 0.3 0.2  
Lat 23.84S 0.02 Lon 177.28W 0.01  
Dep 202.9 0.7 Half-duration 6.1  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 4.98 Plg=13 Azm=109  
N 0.01 59 357  
P -4.99 27 206  
Best Double Couple:Mo=5.0\*10\*\*18  
NP1:Strike=245 Dip=61 Slip= -11  
NP2: 340 80 -151

18 19 10 10.41 7.817N 122.127E 36km  
5.3mb ( 33 obs.) 5.0Msz ( 9 obs.)  
MINDANAO, PHILIPPINE ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 11S, 20C  
Centroid Location:  
Origin Time 19:10:11.1 0.8  
Lat 7.87N 0.08 Lon 122.22E 0.13  
Dep 15.4 8.2 Half-duration 2.3  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 2.46 Plg= 8 Azm= 12  
N 0.50 56 115  
P -2.96 33 277  
Best Double Couple:Mo=2.7\*10\*\*17  
NP1:Strike= 60 Dip=61 Slip=-161  
NP2: 320 74 -31

19 04 59 08.29 53.736N 167.234W 33km  
5.0mb ( 50 obs.) 5.0Msz ( 4 obs.)  
FOX ISLANDS, ALEUTIAN ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 25S, 52C  
Centroid Location:  
Origin Time 04:59: 8.3 0.3  
Lat 53.60N 0.05 Lon 166.99W 0.06  
Dep 15.0 FIX Half-duration 2.5  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.50 Plg= 9 Azm=116  
N -0.02 12 208  
P -1.48 75 350  
Best Double Couple:Mo=1.5\*10\*\*17  
NP1:Strike=192 Dip=37 Slip=-110  
NP2: 37 55 -75

19 08 48 19.22 9.012S 117.170E 97km  
5.8mb ( 76 obs.)  
SUMBAWA REGION, INDONESIA  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=150 Dip=66 Slip= 70  
NP2: 12 31 128

## Principal Axes:

T Plg=63 Azm= 27

P 19 255

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.

RADIATED ENERGY

No. of sta: 5 Focal mech. M

Energy 4.2±1.6\*10\*\*11 Nm

## MOMENT TENSOR SOLUTION

Dep 65 No. of sta: 7

## Principal Axes:

Scale 10\*\*17 Nm

T Val= 1.47 Plg=78 Azm= 26

N 0.00 10 172

P -1.47 7 263

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

NP1:Strike= 4 Dip=39 Slip= 106

NP2: 164 53 77

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 25S, 46C

Centroid Location:

Origin Time 08:48:24.4 0.3

Lat 8.99S FIX;Lon 117.21E FIX

Dep 96.0 2.0 Half-duration 2.2

Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.55 Plg=86 Azm=347  
N 0.45 4 192  
P -2.00 2 102  
Best Double Couple:Ma=1.8\*10\*\*17  
NP1:Strike=188 Dip=43 Slip= 84  
NP2: 16 47 95

19 21 23 14.30 30.780N 78.774E 10km  
6.5mb (109 obs.) 7.0Msz ( 28 obs.)  
NORTHERN INDIA  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=116 Dip=85 Slip= 90  
NP2 296 5 90  
Principal Axes:  
T Plg=50 Azm= 26  
P 40 206  
Comment: The focal mechanism is  
poorly controlled and  
corresponds to reverse  
faulting. The preferred fault  
plane is NP2.  
RADIATED ENERGY  
No. of sta: 7 Focal mech. M  
Energy 3.2±0.6\*10\*\*14 Nm  
MOMENT TENSOR SOLUTION  
Dep 19 No. of sta: 8  
Principal Axes:  
Scale 10\*\*19 Nm  
T Val= 1.79 Plg=38 Azm=351  
N 0.03 37 118  
P -1.81 30 235  
Best Double Couple:Ma=1.8\*10\*\*19  
NP1:Strike= 18 Dip=38 Slip= 172  
NP2 115 85 52  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 24S, 71C M.W.: 16S, 24C  
Centroid Location:  
Origin Time 21:23:21.6 0.2  
Lat 30.22N 0.02 Lon 78.24E 0.02  
Dep 15.0 BDY Half-duration 9.0  
Principal Axes:  
Scale 10\*\*19 Nm  
T Val= 1.71 Plg=57 Azm= 14  
N 0.11 6 113  
P -1.82 32 207  
Best Double Couple:Ma=1.8\*10\*\*19  
NP1:Strike=317 Dip=14 Slip= 115  
NP2 112 78 84

20 01 17 03.14 53.819N 166.923W 33km  
5.0mb ( 52 obs.) 5.2Msz ( 8 obs.)  
FOX ISLANDS, ALEUTIAN ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 23S, 50C  
Centroid Location:  
Origin Time 01:17: 2.3 0.5  
Lat 53.89N 0.12 Lon 166.99W 0.11  
Dep 15.0 FIX Half-duration 2.1  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.47 Plg= 4 Azm=109  
N 0.09 24 200  
P -1.56 66 10  
Best Double Couple:Ma=1.5\*10\*\*17  
NP1:Strike=175 Dip=46 Slip=-124  
NP2 40 53 -59

20 09 51 27.81 33.336N 135.247E 41km  
5.2mb ( 58 obs.) 4.8Msz ( 7 obs.)  
NEAR S. COAST OF WESTERN HONSHU  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 19S, 35C  
Centroid Location:  
Origin Time 09:51:31.8 0.6  
Lat 33.57N 0.05 Lon 135.04E 0.05  
Dep 45.3 3.5 Half-duration 1.3  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 4.54 Plg= 4 Azm=190  
N 2.01 8 99  
P -6.55 81 308  
Best Double Couple:Ma=5.6\*10\*\*16  
NP1:Strike=288 Dip=41 Slip= -78  
NP2 93 50 -100

23 05 27 17.64 6.986S 105.401E 61km  
5.4mb ( 15 obs.) 5.2Msz ( 10 obs.)  
SUNDA STRAIT

CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 21S, 38C  
Centroid Location:  
Origin Time 05:27:14.4 1.0  
Lat 7.53S 0.08 Lon 105.89E 0.10  
Dep 31.2 6.2 Half-duration 2.2  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.11 Plg=12 Azm= 85  
N 0.46 70 210  
P -1.57 16 352  
Best Double Couple:Ma=1.3\*10\*\*17  
NP1:Strike=129 Dip=70 Slip=-177  
NP2: 38 87 -20

23 12 24 56.35 11.343S 166.403E 136km  
5.3mb ( 64 obs.)  
SANTA CRUZ ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 23S, 52C  
Centroid Location:  
Origin Time 12:24:58.6 0.4  
Lat 11.56S 0.04 Lon 166.62E 0.03  
Dep 142.5 1.0 Half-duration 2.4  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 2.63 Plg=73 Azm=129  
N -0.80 12 353  
P -1.83 11 260  
Best Double Couple:Ma=2.2\*10\*\*17  
NP1:Strike=335 Dip=35 Slip= 68  
NP2: 181 58 105

23 23 18 37.09 51.246N 178.376E 33km  
5.1mb ( 84 obs.) 4.4Msz ( 12 obs.)  
RAT ISLANDS, ALEUTIAN ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 16S, 28C  
Centroid Location:  
Origin Time 23:18:38.0 0.8  
Lat 51.60N 0.11 Lon 178.28E 0.15  
Dep 15.0 FIX Half-duration 1.9  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 9.93 Plg=54 Azm=346  
N -0.20 1 78  
P -9.74 36 168  
Best Double Couple:Ma=9.8\*10\*\*16  
NP1:Strike=263 Dip= 9 Slip= 96  
NP2: 77 81 89

23 23 59 44.20 51.250N 178.348E 33km  
5.4mb ( 88 obs.) 5.0Msz ( 21 obs.)  
RAT ISLANDS, ALEUTIAN ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 22S, 44C  
Centroid Location:  
Origin Time 23:59:45.7 0.7  
Lat 51.61N 0.10 Lon 178.23E 0.12  
Dep 15.0 FIX Half-duration 2.6  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 3.06 Plg=54 Azm=327  
N 0.16 5 63  
P -3.22 36 157  
Best Double Couple:Ma=3.1\*10\*\*17  
NP1:Strike=271 Dip=10 Slip= 118  
NP2: 62 81 85

25 10 39 01.38 43.301N 144.351E 98km  
5.7mb (119 obs.)  
HOKKAIDO, JAPAN REGION  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=142 Dip=80 Slip= 44  
NP2: 42 47 166  
Principal Axes:  
T Plg=37 Azm= 12  
P 21 265  
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: 11 Focal mech. M  
Energy 2.6±0.5\*10\*\*12 Nm  
MOMENT TENSOR SOLUTION  
Dep 91 No. of sta: 13

Principal Axes  
Scale 10\*\*17 Nm  
T Val= 2.11 Plg=34 Azm= 2  
N -0.01 51 149  
P -2.10 16 260  
Best Double Couple:Ma=2.1\*10\*\*17  
NP1:Strike= 36 Dip=53 Slip= 166  
NP2: 134 79 38  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 22S, 47C  
Centroid Location:  
Origin Time 10:39: 4.2 0.2  
Lat 43.22N 0.04 Lon 144.07E 0.03  
Dep 103.2 2.2 Half-duration 2.0  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.75 Plg=43 Azm= 10  
N -0.11 37 143  
P -1.64 26 254  
Best Double Couple:Ma=1.7\*10\*\*17  
NP1:Strike= 33 Dip=39 Slip= 164  
NP2: 136 80 53

25 13 25 02.66 31.479S 177.773W 33km  
5.1mb ( 5 obs.) 4.9Msz ( 1 obs.)  
KERMADEC ISLANDS REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 20S, 33C  
Centroid Location:  
Origin Time 13:25: 8.8 0.7  
Lat 31.21S 0.08 Lon 177.64W 0.07  
Dep 35.2 5.3 Half-duration 1.9  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 12.31 Plg=67 Azm=295  
N 1.16 1 201  
P -13.47 23 111  
Best Double Couple:Ma=1.3\*10\*\*17  
NP1:Strike=198 Dip=22 Slip= 86  
NP2: 22 68 92

26 02 27 31.57 18.506N 145.668E 192km  
5.5mb ( 69 obs.)  
MARIANA ISLANDS  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=140 Dip=82 Slip= -50  
NP2: 239 41 -168  
Principal Axes:  
T Plg=26 Azm=200  
P 39 86  
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: 6 Focal mech. F  
Energy 9.2±3.5\*10\*\*12 Nm  
MOMENT TENSOR SOLUTION  
Dep 174 No. of sta: 18  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 1.10 Plg=46 Azm=189  
N 0.02 21 303  
P -1.12 36 50  
Best Double Couple:Ma=1.1\*10\*\*18  
NP1:Strike=198 Dip=22 Slip= 166  
NP2: 301 85 69  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 27S, 64C  
Centroid Location:  
Origin Time 02:27:36.5 0.2  
Lat 19.03N 0.03 Lon 145.52E 0.02  
Dep 190.3 1.1 Half-duration 3.8  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 12.10 Plg=38 Azm=223  
N -4.10 1 133  
P -8.00 52 41  
Best Double Couple:Ma=1.0\*10\*\*18  
NP1:Strike=321 Dip= 7 Slip= -81  
NP2: 132 83 -91

26 05 27 59.65 7.359N 34.869W 10km  
5.0mb ( 55 obs.) 4.9Msz ( 15 obs.)  
CENTRAL MID-ATLANTIC RIDGE  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 22S, 43C

Centroid Location:  
 Origin Time 05:28: 4 3 0.7  
 Lat 7.56N 0.07 Lon 34.84W 0.04  
 Dep 15.0 FIX Half-duration 1.9  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 1.31 Plg= 0 Azm=224  
 N -0.01 90 180  
 P -1.30 0 134  
 Best Double Couple:Mo=1.3\*10\*\*17  
 NP1:Strike=269 Dip=90 Slip=-180  
 NP2: 359 90 0

27 10 22 46.55 5.198S 152.691E 64km  
 5.5mb ( 50 obs.)  
 NEW BRITAIN REGION, P.N.G.  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 24S, 52C  
 Centroid Location:  
 Origin Time 10:22:48.1 0.2  
 Lat 5.37S 0.02 Lon 152.92E 0.03  
 Dep 65.0 FIX Half-duration 3.0  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 3.72 Plg=69 Azm= 14  
 N 0.57 10 258  
 P -4.28 19 165  
 Best Double Couple:Mo=4.0\*10\*\*17  
 NP1:Strike=239 Dip=28 Slip= 69  
 NP2: 83 64 101

27 16 17 31.06 22.086S 67.400W 178km  
 5.4mb ( 64 obs.)  
 CHILE-BOLIVIA BORDER REGION  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 22S, 40C  
 Centroid Location:  
 Origin Time 16:17:35.8 0.4  
 Lat 22.11S 0.05 Lon 67.53W 0.05  
 Dep 177.5 1.6 Half-duration 2.1  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 1.58 Plg=39 Azm=103  
 N 0.25 6 8  
 P -1.82 51 270  
 Best Double Couple:Mo=1.7\*10\*\*17  
 NP1:Strike=235 Dip= 9 Slip= -43  
 NP2: 7 84 -96

27 22 05 03.58 57.761S 25.370W 33km  
 5.4mb ( 19 obs.) 5.5MsZ ( 13 obs.)  
 SOUTH SANDWICH ISLANDS REGION  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 26S, 58C  
 Centroid Location:  
 Origin Time 22 05:11.7 0 2  
 Lat 57.65S 0.03 Lon 24.26W 0.05  
 Dep 24.0 1.8 Half-duration 3.4  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 5.62 Plg=76 Azm=311  
 N 0.42 12 164  
 P -6.04 7 73  
 Best Double Couple:Mo=5.8\*10\*\*17  
 NP1:Strike=149 Dip=39 Slip= 71  
 NP2: 353 53 104

28 01 09 10.86 33.827N 131.222E 17km  
 5.1mb ( 61 obs.) 4.9MsZ ( 4 obs.)  
 KYUSHU, JAPAN  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 13S, 20C  
 Centroid Location:  
 Origin Time 01:09:15.0 0.6  
 Lat 34.07N 0.07 Lon 130.98E 0.09  
 Dep 17.3 7.1 Half-duration 1.5  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Val= 6.83 Plg= 3 Azm=200  
 N 1.30 78 94  
 P -8.13 12 291  
 Best Double Couple:Mo=7.5\*10\*\*16  
 NP1:Strike=335 Dip=79 Slip= -6  
 NP2: 66 84 -169

29 23 13 57.43 16.184S 167.990E 177km  
 5.3mb ( 35 obs.)  
 VANUATU ISLANDS  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 17S, 31C  
 Centroid Location:  
 Origin Time 23:14: 7.3 0.6  
 Lat 15.40S 0.07 Lon 167.66E 0.05  
 Dep 195.8 2.9 Half-duration 2.4  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 3.05 Plg=38 Azm=153  
 N -0.21 52 331  
 P -2.84 1 62  
 Best Double Couple:Mo=2.9\*10\*\*17  
 NP1:Strike=191 Dip=64 Slip= 152  
 NP2: 294 65 29

30 04 02 42.55 5 657S 153.899E 69km  
 5.7mb ( 43 obs.)  
 NEW IRELAND REGION, P.N.G.  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 21S, 46C  
 Centroid Location:  
 Origin Time 04:02:41.0 0.4  
 Lat 5.95S 0.04 Lon 153.81E 0.04  
 Dep 48.0 2.9 Half-duration 2.2  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 2.32 Plg=75 Azm=356  
 N 0.04 10 127  
 P -2.35 11 219  
 Best Double Couple:Mo=2.3\*10\*\*17

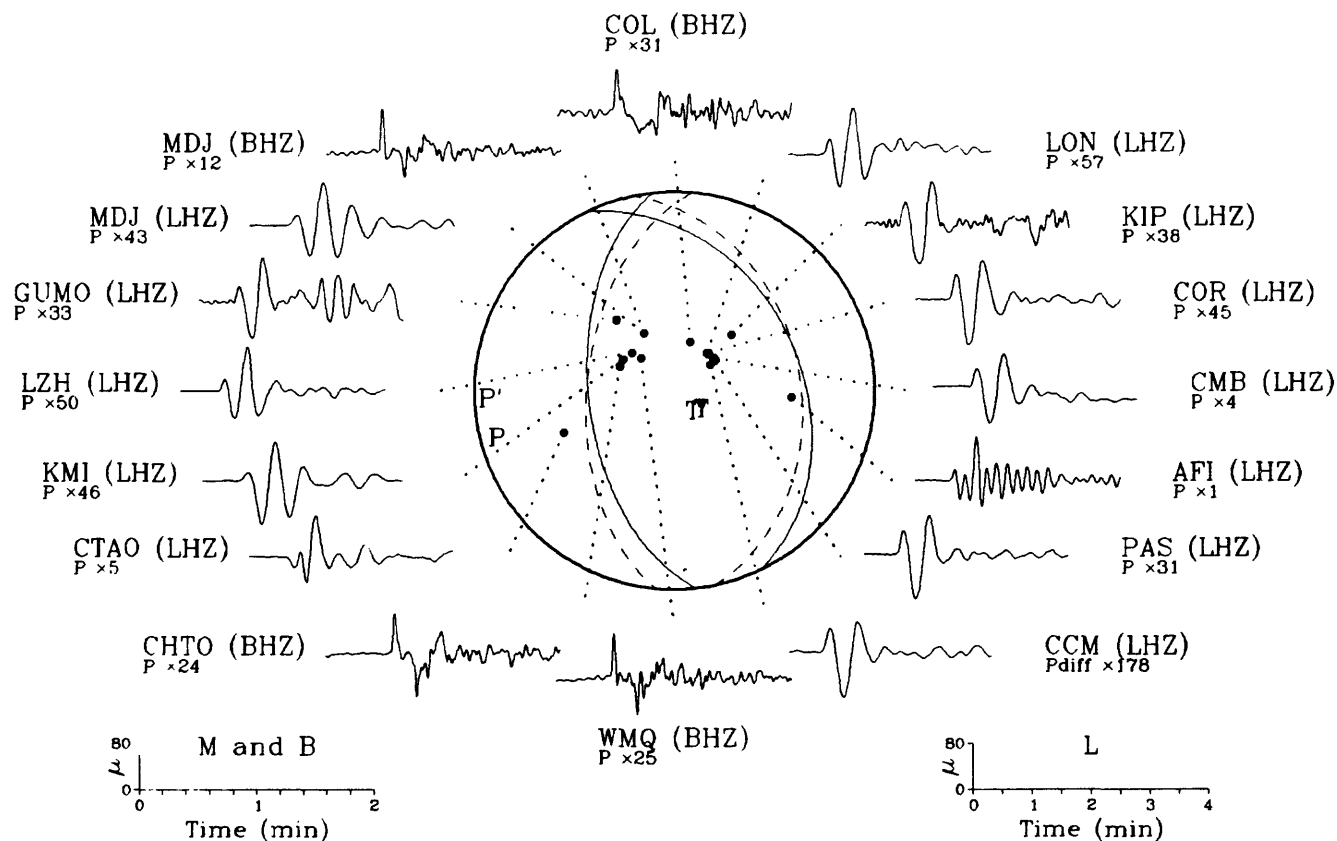
NP1:Strike=321 Dip=35 Slip= 107  
 NP2: 121 57 78

30 10 35 41.44 15.310S 173.187W 18km  
 5.8mb ( 64 obs.) 6.4MsZ ( 36 obs.)  
 TONGA ISLANDS  
 FAULT PLANE SOLUTION: P-Waves  
 NP1:Strike=275 Dip=80 Slip= 90  
 NP2: 95 10 90  
 Principal Axes:  
 T Plg=55 Azm=185  
 P 35 5  
 Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is NP2.  
 MOMENT TENSOR SOLUTION  
 Dep 12 No. of sta: 19  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 2.15 Plg=54 Azm=212  
 N -0.01 22 89  
 P -2.14 28 347  
 Best Double Couple:Mo=2.1\*10\*\*18  
 NP1:Strike= 35 Dip=26 Slip= 33  
 NP2: 275 76 113  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 25S, 71C  
 Centroid Location:  
 Origin Time 10:35:51.9 0.2  
 Lat 15.11S 0.03 Lon 173.07W 0.02  
 Dep 48.1 1.9 Half-duration 5.0  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 2.60 Plg=52 Azm=191  
 N -0.43 0 281  
 P -2.17 38 12  
 Best Double Couple:Mo=2.4\*10\*\*18  
 NP1:Strike=102 Dip= 7 Slip= 91  
 NP2: 281 83 90

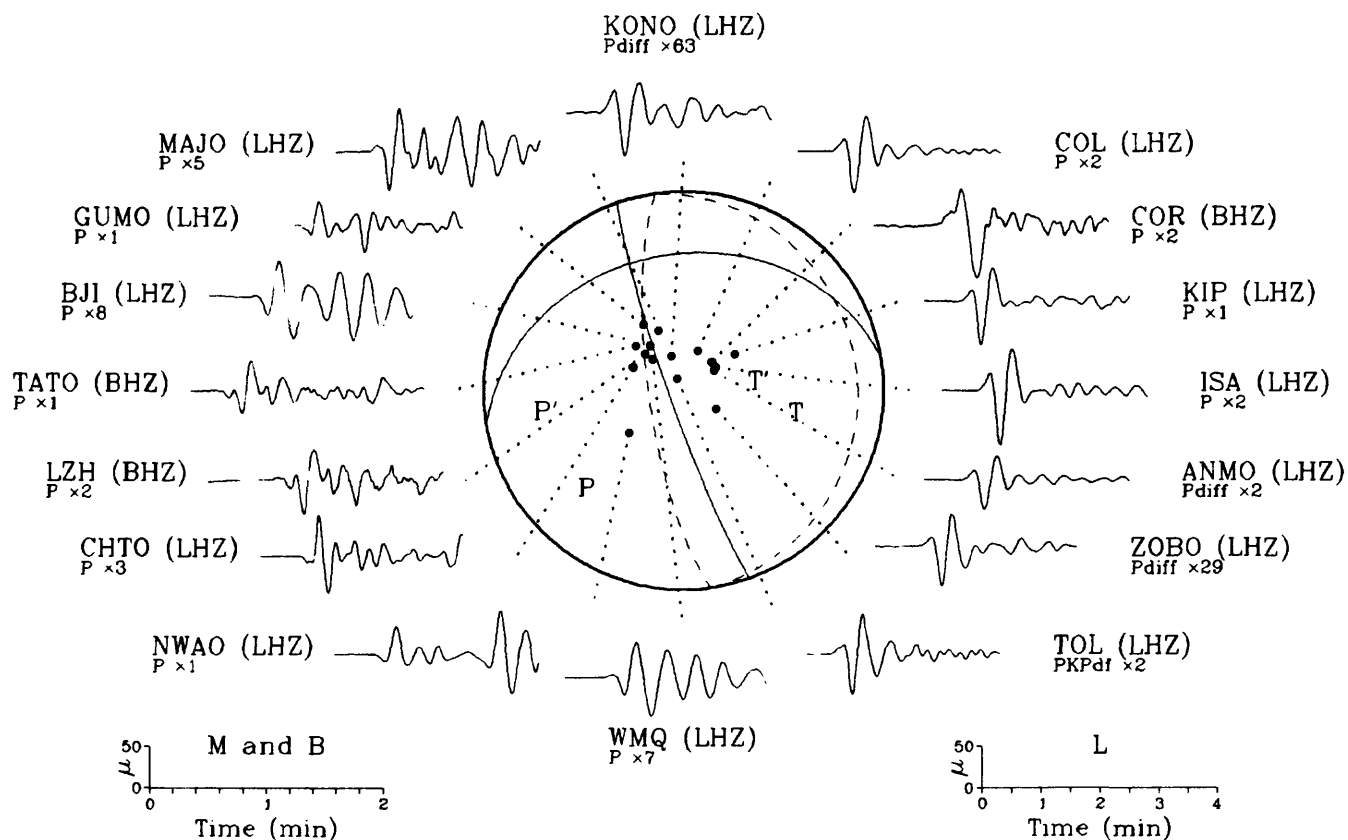
31 01 11 34.85 2.020S 134.307E 33km  
 5.2mb ( 40 obs.) 5.0MsZ ( 8 obs.)  
 IRIAN JAYA REGION, INDONESIA  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 17S, 33C  
 Centroid Location:  
 Origin Time 01:11:38.5 0.4  
 Lat 1.74S 0.07 Lon 134.31E 0.06  
 Dep 16.8 2.4 Half-duration 2.2  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 2.17 Plg=12 Azm=304  
 N -0.03 17 210  
 P -2.15 69 68  
 Best Double Couple:Mo=2.2\*10\*\*17  
 NP1:Strike= 55 Dip=36 Slip= -61  
 NP2: 200 59 -110



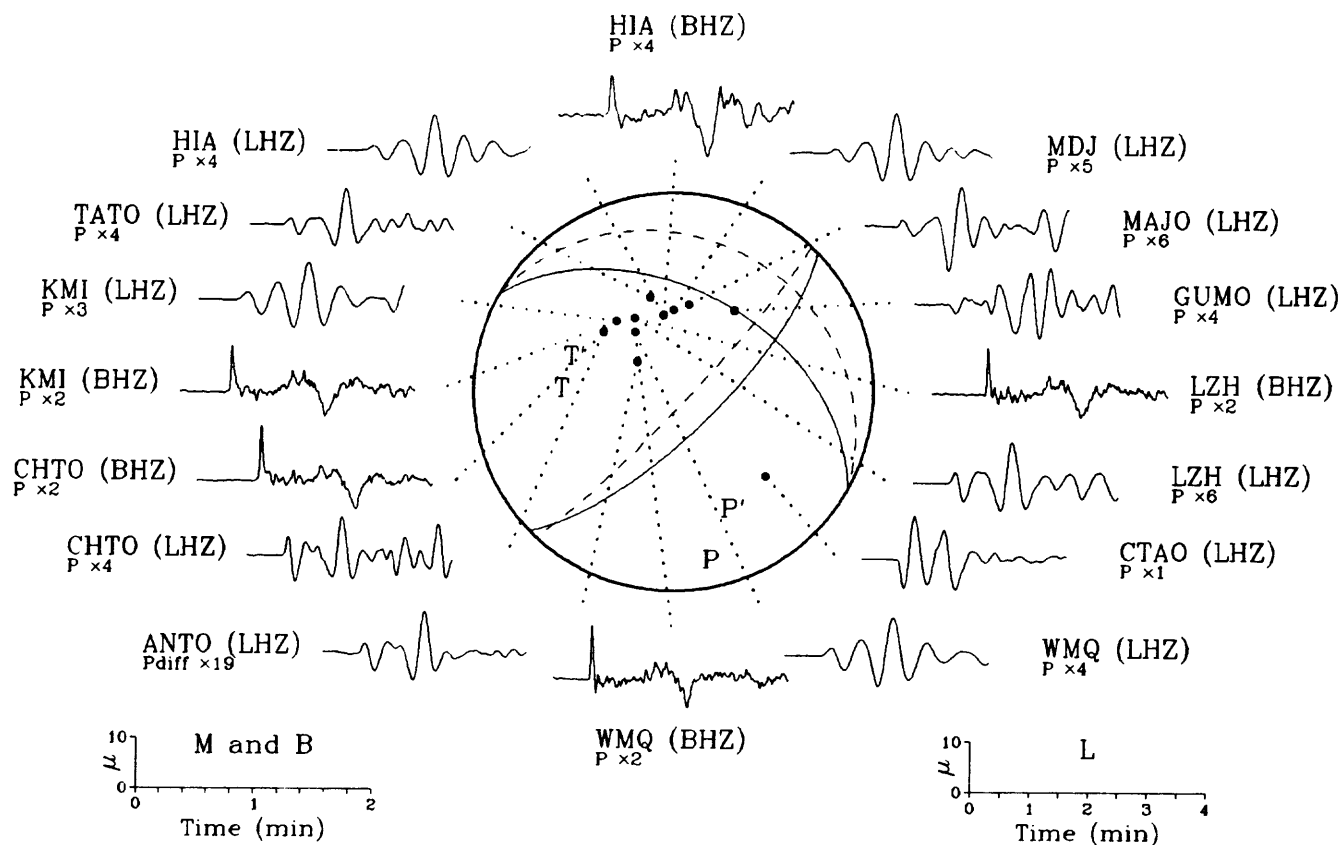
# 12 October 1991 16:26:24.86 Vanuatu Islands



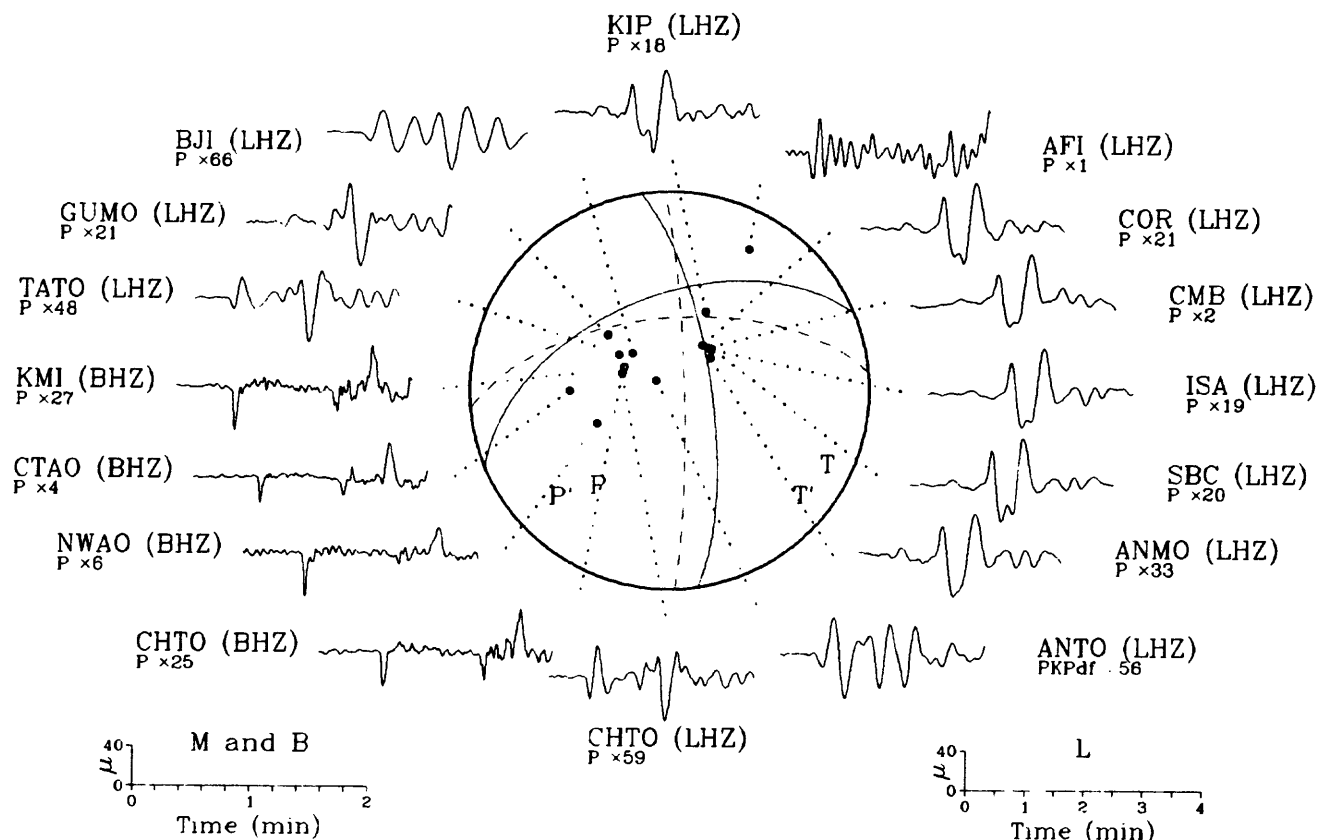
# 14 October 1991 15:58:12.79 Solomon Islands



15 October 1991 16:18:01.73  
Banda Sea

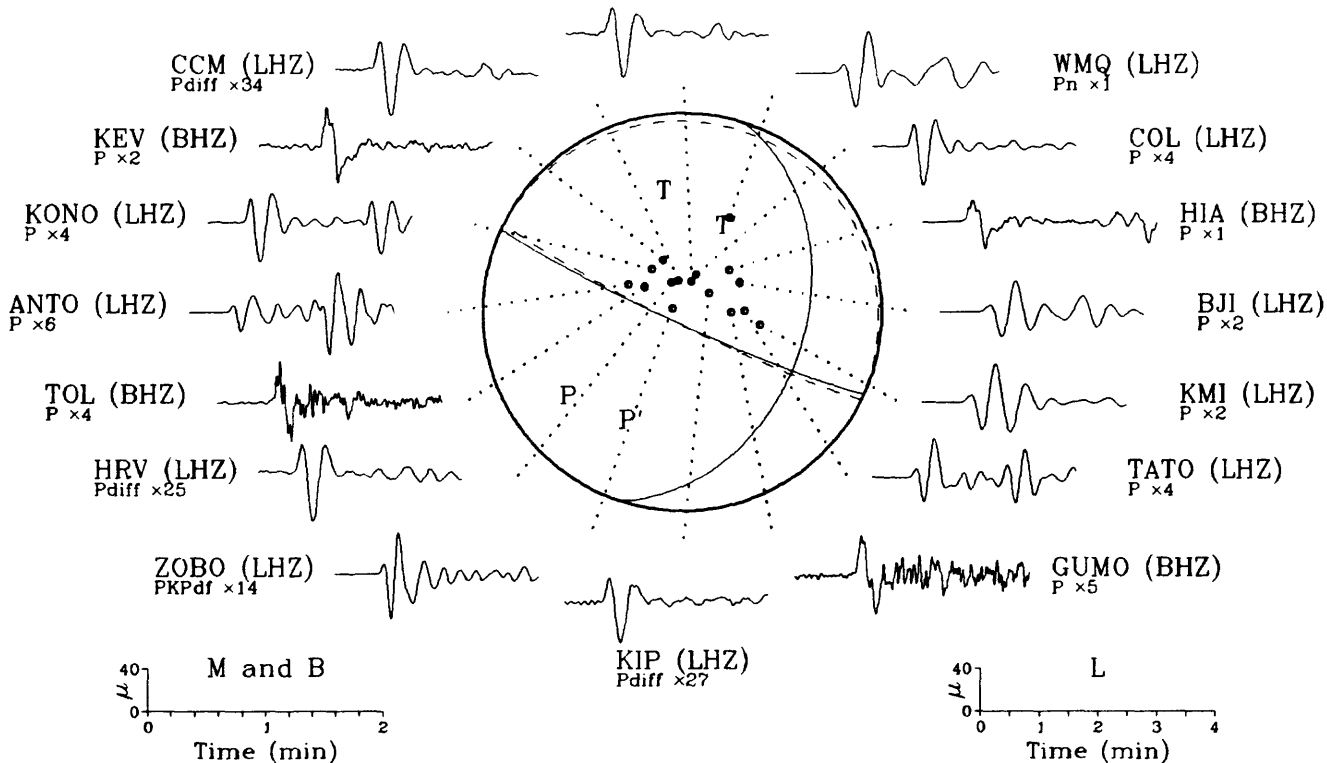


18 October 1991 17:22:55.15  
South of Fiji Islands



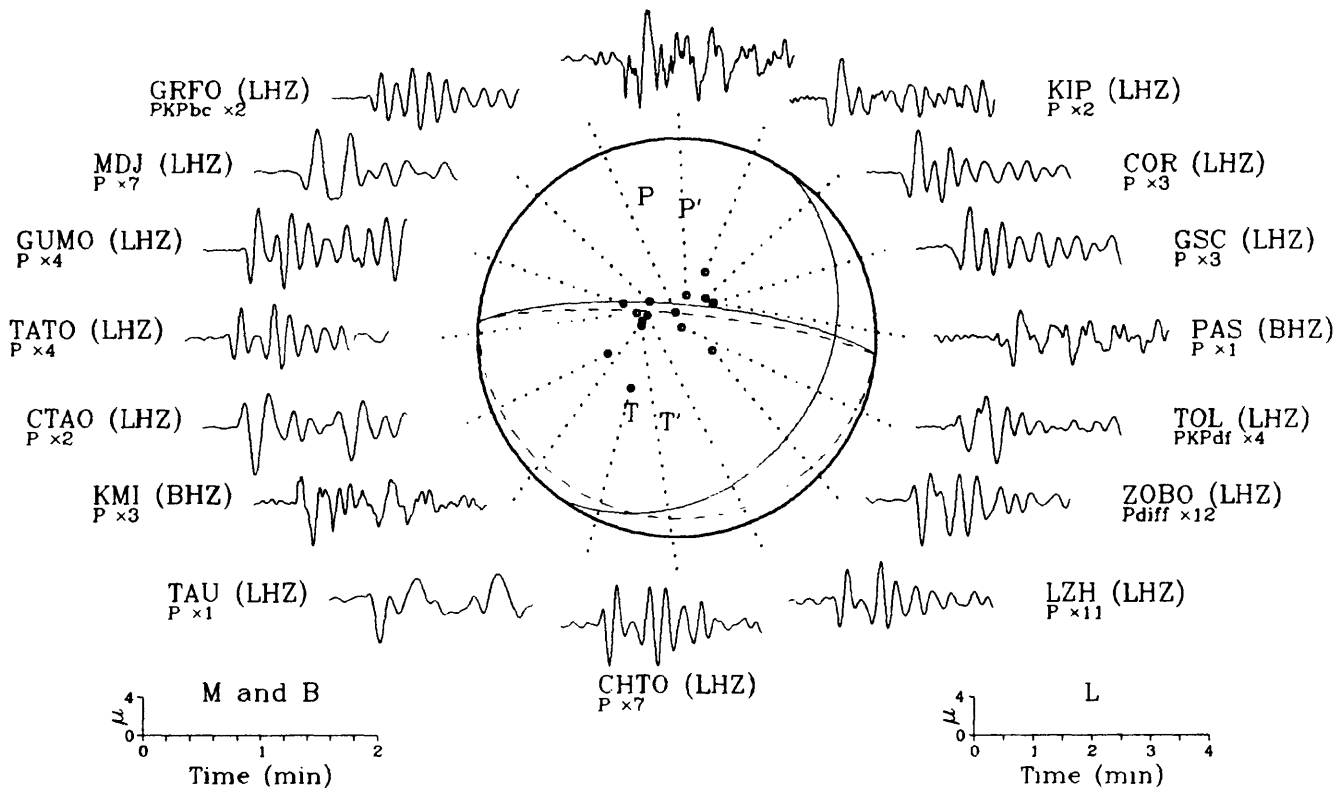
19 October 1991 21:23:14 30  
Northern India

PAS (LHZ)  
Pd<sub>diff</sub> × 25

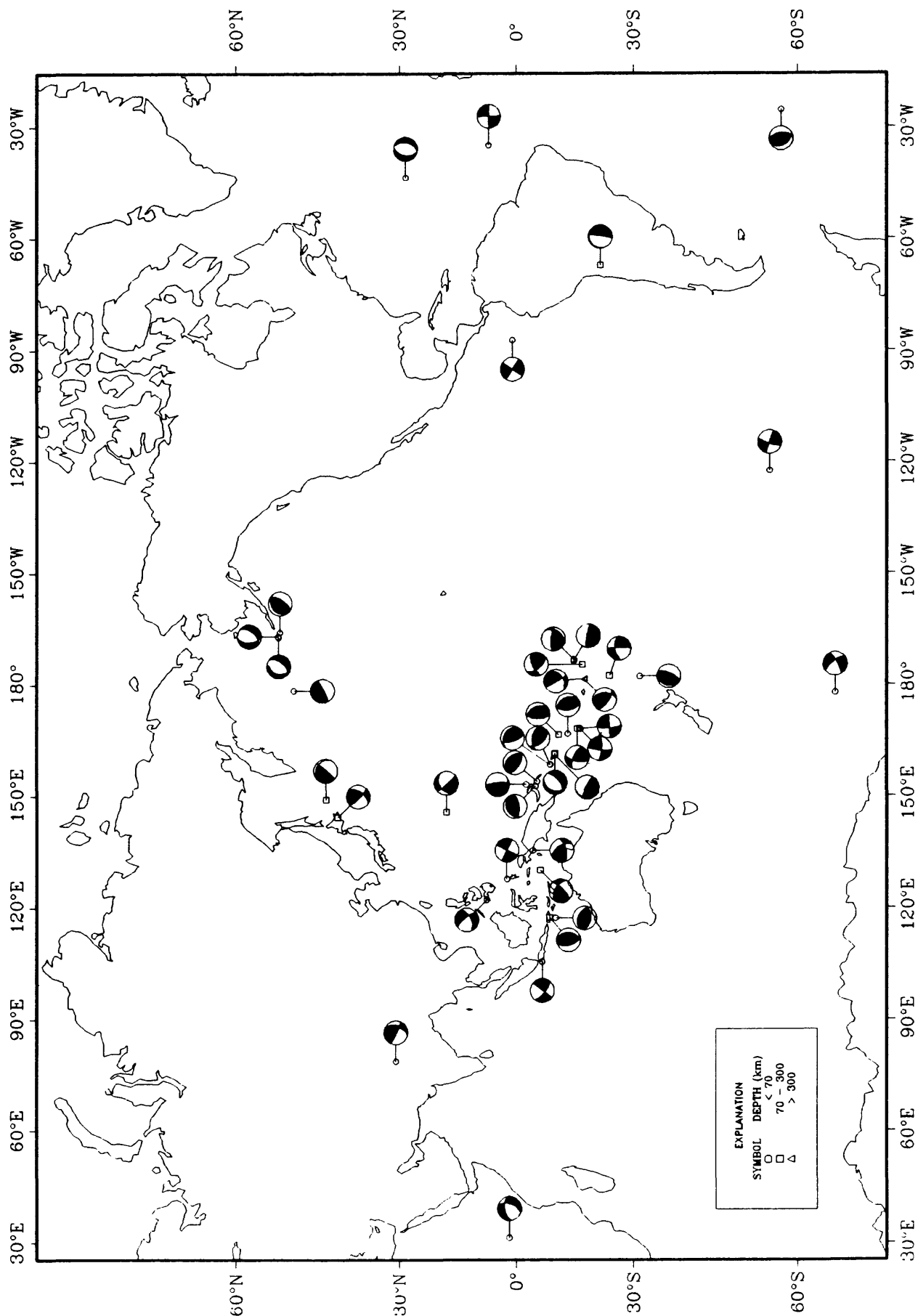


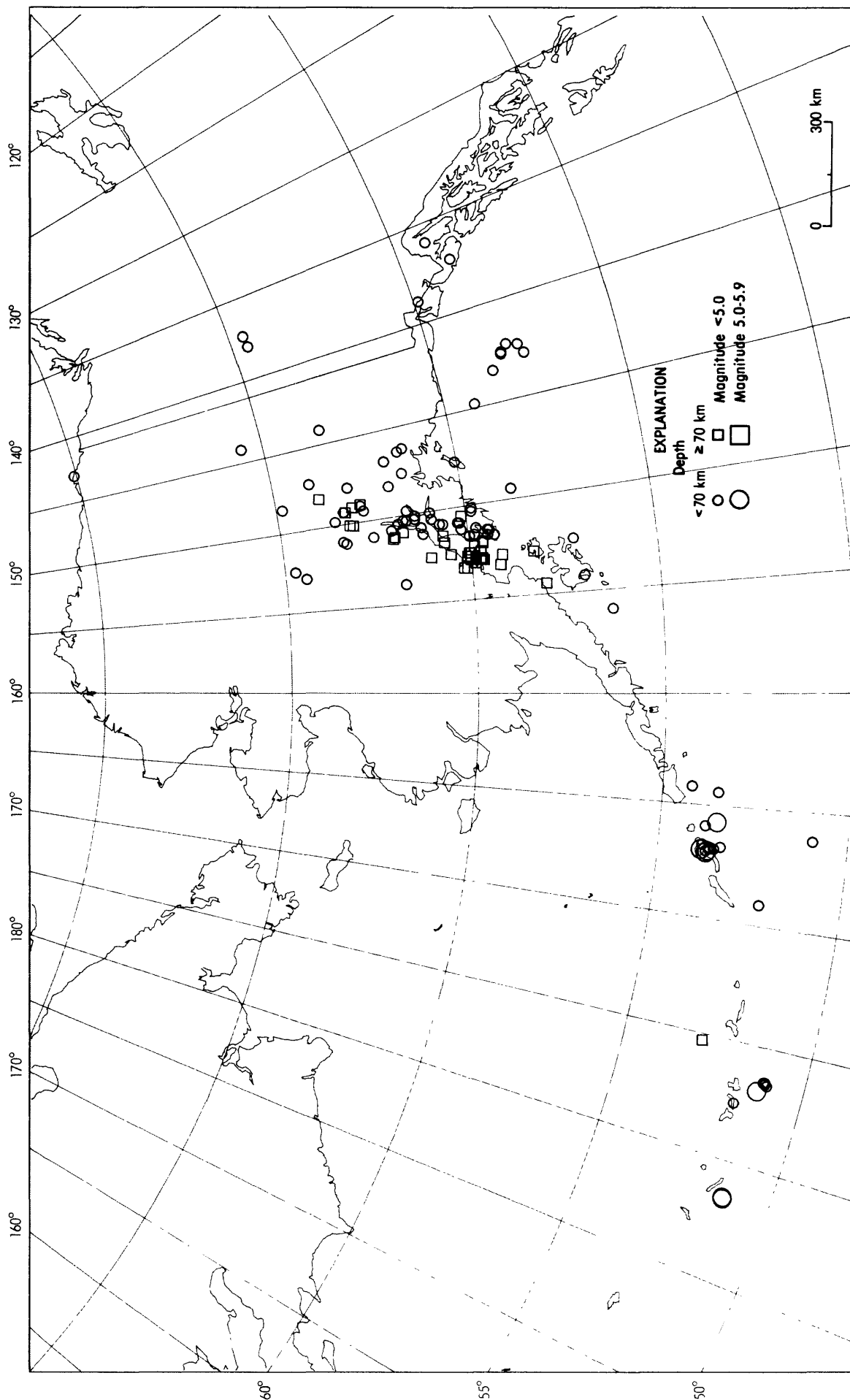
30 October 1991 10:35:41.44  
Tonga Islands

COL (BHZ)  
P × 2

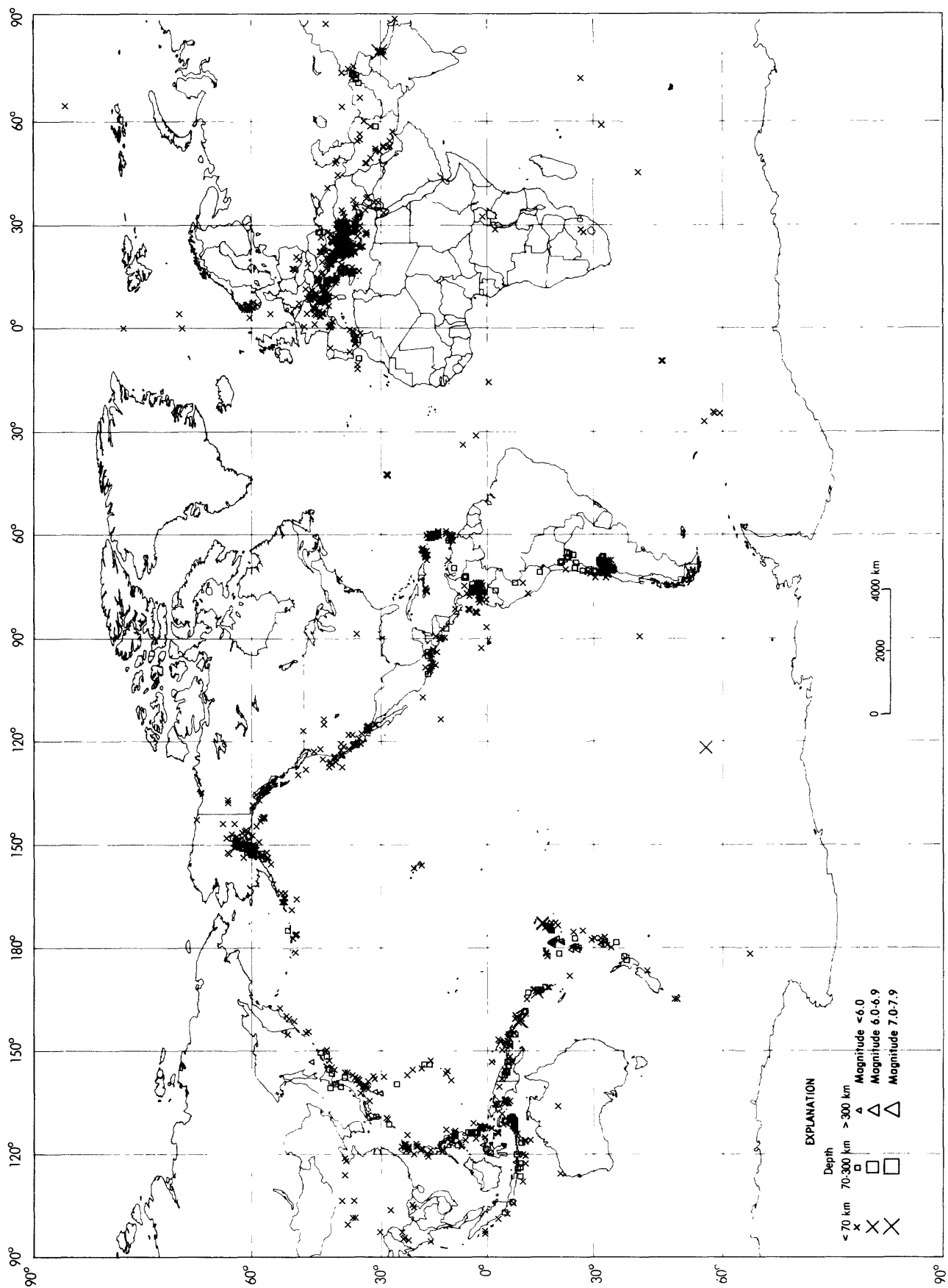


# Earthquake Focal Mechanisms for October 1991

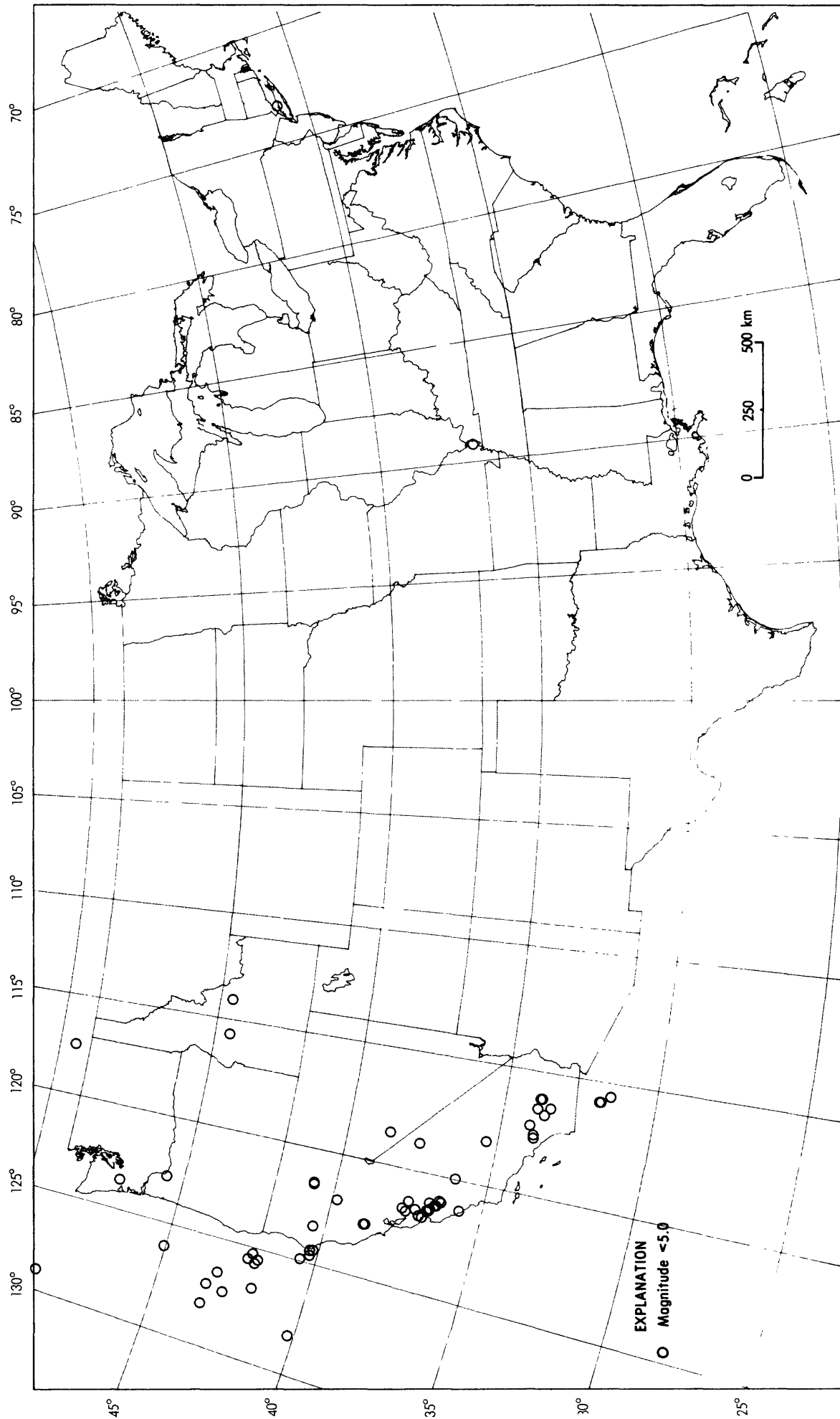




Earthquake epicenters in Alaska and adjacent regions for October, 1991 C. (Stover).



Earthquakes located in October, 1991 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for October, 1991 (C. Stover).

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# PRELIMINARY DETERMINATION OF EPICENTERS

## MONTHLY LISTING

### U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY National Earthquake Information Center

DECEMBER 1991

K DAY E Y	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 18 54.1*	42.375 N 19.233 E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
01	00 35 55.9*	17.83 S 179.40 W	652 ?	4.8	0.9	11	FIJI ISLANDS REGION
01	00 46 04.1	4.781 N 77.441 W	37 D	4.8 4.5	1.1	89	NEAR WEST COAST OF COLOMBIA. Felt at Puerto Abadia.
01	01 04 11.7*	42.07 N 19.16 E	10 G		0.2	5	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
01	01 12 58.2*	7.405 S 130.345 E	70 *	4.5	1.4	16	TANIMBAR ISLANDS REG., INDONESIA
01	01 28 03.0*	4.382 S 151.897 E	213 *	4.9	0.7	26	NEW BRITAIN REGION, P.N.G.
01	02 10 18.5*	31.62 S 69.73 W	110 G		0.8	11	SAN JUAN PROVINCE, ARGENTINA
01	02 21 46.1*	4.772 N 77.378 W	64 *	4.2	0.7	13	NEAR WEST COAST OF COLOMBIA
01	02 39 02.2	39.911 N 20.587 E	10 G		1.0	16	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH).
01	05 30 22.2*	39.27 N 28.39 E	10 G		1.3	4	TURKEY
01	05 51 09.4*	19.19 S 168.70 E	257 ?	4.6	0.9	24	VANUATU ISLANDS
01	05 59 06.6*	42.97 N 18.77 E	10 G		0.1	4	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
01	06 55 45.8	6.748 S 125.250 E	533 *	4.9	0.7	22	BANDA SEA
01	06 59 03.3	42.314 N 19.203 E	14		1.0	21	NORTHWESTERN BALKAN REGION. ML 2.8 (TTG).
01	07 02 49.2*	42.340 N 19.255 E	10 G		0.3	8	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
01	07 04 52.6*	42.320 N 19.250 E	10 G		0.4	8	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
01	07 07 03.5	42.337 N 19.242 E	10 G		0.9	10	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
01	07 41 05.8*	42.283 N 19.270 E	12		0.2	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
01	08 44 45.6	40.827 N 20.799 E	5 G		0.7	22	GREECE-ALBANIA BORDER REGION. ML 3.0 (TTG).
01	09 17 27.0	36.373 N 45.036 E	35 *	4.7 3.7	1.2	74	IRAN-IRAQ BORDER REGION. Felt at Orumiyeh.
01	09 19 36.8	44.480 N 6.922 E	11		0.4	26	FRANCE. ML 2.8 (LDG), 2.8 (GEN).
01	10 00 04.2*	6.13 S 146.90 E	85 ?	3.9	0.5	5	EASTERN NEW GUINEA REG., P.N.G.
01	10 15 59.6*	31.40 S 71.80 W	10 G		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
01	10 54 30.3*	45.837 N 15.528 E	10 G		0.6	5	NORTHWESTERN BALKAN REGION. ML 1.5 (LJU).
01	11 18 23.9*	36.79 N 49.51 E	10 G	3.8	0.7	6	WESTERN IRAN
01	11 23 20.0*	31.234 N 51.274 E	37 *	3.9	0.9	12	NORTHERN IRAN
01	11 30 53.7	40.088 N 20.735 E	10 G		1.1	9	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH). ML 2.8 (TIR).
01	13 11 38.7*	41.265 N 23.309 E	10 G		0.9	5	GREECE-BULGARIA BORDER REGION
01	13 13 23.0	22.358 S 179.522 W	576	5.0	0.9	48	SOUTH OF FIJI ISLANDS
01	13 59 59.1*	43.020 N 18.747 E	10 G		0.3	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
01	14 12 03.1	30.618 N 50.003 E	45 *	4.1	0.3	12	NORTHERN IRAN
01	14 12 43.7*	43.485 N 17.347 E	10 G		1.1	10	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).
01	15 14 51.7*	42.979 N 18.810 E	10 G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
01	15 22 58.5*	51.774 N 176.791 E	33 N	3.8	1.2	6	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (PMR).
01	16 17 34.6*	49.17 N 6.82 E	5 G		1.2	6	GERMANY. MD 2.6 (UCC).
01	17 15 33.3*	41.125 N 23.818 E	10 G		0.9	6	GREECE-BULGARIA BORDER REGION
01	17 16 41.3	5.789 N 125.612 E	223 *	4.4	0.8	22	MINDANAO, PHILIPPINE ISLANDS
01	17 22 30.4	45.538 N 6.702 E	7		1.0	30	FRANCE. ML 2.6 (LDG).
01	18 04 39.5	43.708 N 17.531 E	5 G		1.1	23	NORTHWESTERN BALKAN REGION. ML 3.2 (TTG), 3.2 (TIR).
01	18 07 45.3*	20.22 N 146.39 E	33 N	4.4	1.3	10	MARIANA ISLANDS REGION
01	18 11 47.2*	63.236 N 151.511 W	10		0.2	48	CENTRAL ALASKA. <AEIC>. ML 3.0 (PMR), 2.5 (AEIC).
01	19 04 47.8*	43.009 N 18.755 E	10 G		0.2	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
01	19 39 16.9	7.104 S 129.186 E	150	4.8	1.0	37	BANDA SEA
01	20 03 10.5	26.878 S 26.664 E	10	5.0	1.0	46	REPUBLIC OF SOUTH AFRICA. Felt at Klerksdorp.
01	20 07 17.5	43.751 N 17.505 E	10 G		1.2	22	NORTHWESTERN BALKAN REGION. ML 3.4 (TIR), 3.2 (TTG).
01	20 23 11.5*	43.119 N 18.792 E	10 G		0.5	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
01	21 47 38.6*	43.027 N 18.014 E	10 G		0.6	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
01	21 59 18.2	43.703 N 17.548 E	5 G		1.3	34	NORTHWESTERN BALKAN REGION. MD 3.3 (TTG). ML 3.6 (TIR).
a 01	22 41 15.2	32.065 S 69.513 W	115 D	5.2	1.1	104	MENDOZA PROVINCE, ARGENTINA. Felt (IV) at Mendoza and (III) at San Juan. Also felt (IV) at Salamanca and Volparaiso and (III) at Santiago, Chile.
01	22 59 28.0*	41.42 N 22.70 E	10 G		0.1	4	NORTHWESTERN BALKAN REGION. ML 1.0 (SKO).
01	23 05 46.1*	44.26 N 129.08 W	10 G	4.1	0.3	21	OFF COAST OF OREGON
01	23 19 23.4*	6.95 S 129.01 E	140 ?	4.5	1.0	5	BANDA SEA
02	00 05 58.5*	40.52 N 30.09 E	10 G		1.3	4	TURKEY
02	01 39 01.4*	43.056 N 18.735 E	10 G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
02	02 36 29.3	42.791 N 0.901 E	10 G		0.7	8	PYRENEES. ML 2.8 (LDG), 2.8 (STR).

02	03	22	09.8	44.637 N	6.993 E	10 G	0.4	31	FRANCE. ML 2.8 (LDG), 2.7 (GEN).	
02	03	28	56.8	43.154 N	0.664 W	10 G	0.4	9	PYRENEES. ML 1.0 (STR).	
02	04	18	25.8?	31.48 S	68.20 W	10 G	0.8	4	SAN JUAN PROVINCE, ARGENTINA	
02	04	43	49.0*	38.281 N	26.795 E	10 G	0.5	5	AEGEAN SEA	
02	05	23	07.1*	42.333 N	19.273 E	10 G	0.3	8	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).	
02	05	40	37.2*	59.814 N	153.108 W	103		37	SOUTHERN ALASKA. <AEIC>.	
02	05	44	31.1*	43.083 N	18.780 E	10 G	0.2	7	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).	
02	05	46	40.8*	42.689 N	12.955 E	10 G	0.6	5	CENTRAL ITALY	
02	06	10	25.1*	43.331 N	128.019 W	10 G		26	OFF COAST OF OREGON. <SEA>.	
02	06	14	15.3	23.171 N	121.627 E	55	4.9 4.4	1.0	81	TAIWAN
02	06	38	30.2?	17.96 S	116.22 W	10 G	4.4	0.7	13	SOUTHERN EAST PACIFIC RISE
02	07	23	38.0*	9.496 N	67.637 W	10 G		0.8	5	VENEZUELA
02	07	33	06.3*	44.611 N	6.925 E	10 G		0.2	6	FRANCE. ML 1.9 (GEN).
o 02	08	49	40.2	45.498 N	21.115 E	9	5.2 5.6	1.1	2B1	ROMANIA. ML 5.5 (LJU), 5.1 (WAR), 4.9 (TIR). MD 5.5 (VIE), 5.4 (TTG). Mo=2.0*10**17 Nm (PPT). Some people injured, about 4,500 people homeless and more than 5,000 buildings damaged (VIII) in the Voiteg area. Slight damage in the Belgrade area, Yugoslavia. Felt along much of the Romania-Yugoslavia border. Also felt in southern Hungary.
02	09	03	22.3?	45.56 N	20.91 E	10 G		1.5	5	NORTHWESTERN BALKAN REGION
02	09	04	43.1	45.437 N	21.247 E	10 G		1.4	15	ROMANIA
02	09	18	40.1	45.438 N	20.961 E	10 G		0.7	7	NORTHWESTERN BALKAN REGION
02	09	30	20.0	45.467 N	21.014 E	10 G		1.3	12	ROMANIA
02	09	59	36.8*	11.111 N	61.830 W	33 N		1.3	6	WINDWARD ISLANDS. MD 3.2 (TRN).
02	10	08	48.1*	44.603 N	6.949 E	10 G		0.4	5	FRANCE. ML 1.5 (GEN).
02	10	10	40.3*	36.938 N	121.700 W	12			21	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
02	10	14	19.3?	29.71 N	51.07 E	33 N	4.3	1.3	7	SOUTHERN IRAN
02	10	19	20.6*	45.574 N	20.943 E	10 G		1.2	5	NORTHWESTERN BALKAN REGION. MG 3.4 (BEO).
02	10	28	14.9*	29.459 N	51.452 E	33 N	4.1	1.2	13	SOUTHERN IRAN
02	10	52	35.9	45.439 N	21.061 E	10 G		1.1	15	ROMANIA. ML 3.2 (SKO).
02	11	05	15.9*	44.608 N	6.938 E	10 G		0.2	7	FRANCE. ML 1.8 (GEN).
o 02	11	20	54.9	6.137 S	149.855 E	60	5.2	1.0	88	NEW BRITAIN REGION, P.N.G.
02	11	28	05.4*	40.691 N	23.364 E	10 G		0.3	5	GREECE
02	12	25	01.5*	39.326 N	0.633 W	10 G		1.4	5	SPAIN. mbLg 2.7 (MDD).
02	13	14	07.5?	16.24 S	172.51 W	33 N	4.8 5.0	1.4	24	SAMOA ISLANDS REGION. Mo=2.0*10**17 Nm (PPT).
02	13	26	56.0*	45.150 N	7.014 E	10 G		0.3	5	NORTHERN ITALY. ML 1.7 (GEN).
02	14	17	26.4	45.517 N	20.947 E	10 G		1.1	10	NORTHWESTERN BALKAN REGION
02	14	37	58.7	19.659 S	23.585 E	10 G		0.8	16	BOTSWANA. mbLg 4.1 (BUL).
02	15	04	00.6*	45.564 N	21.783 E	10 G		0.8	9	ROMANIA
02	15	15	19.1?	43.48 N	147.68 E	73 ?	4.6	1.5	19	KURIL ISLANDS
02	15	48	19.5*	51.633 N	7.625 E	10 G		0.4	9	GERMANY. ML 2.7 (KOE), 2.5 (BNS).
02	15	57	22.5?	2.54 N	126.53 E	114 ?	4.8	0.4	11	NORTHERN MOLUCCA SEA
o 02	17	27	21.7	15.867 S	69.288 W	241 D	5.1	0.9	200	PERU-BOLIVIA BORDER REGION. Felt (II) at Arequipa, Peru. Also felt at Arica, Chile.
02	17	32	20.7?	17.86 S	13.84 W	10 G	5.3 4.5	1.1	28	SOUTHERN MID-ATLANTIC RIDGE
02	17	45	23.5	9.074 S	119.382 E	104 *	4.9	1.1	23	SUMBA REGION, INDONESIA
02	17	50	10.8*	42.125 N	19.129 E	10 G		0.4	8	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
02	18	27	40.1*	45.418 N	20.970 E	10 G		0.8	8	NORTHWESTERN BALKAN REGION
02	19	45	36.6	32.090 N	94.694 E	46 *	4.4	1.3	15	XIJANG
02	19	51	45.4*	44.619 N	6.962 E	10 G		0.3	8	FRANCE. ML 2.0 (GEN)
03	00	27	12.6	30.461 N	138.648 E	415	4.6	0.6	54	SOUTH OF HONSHU, JAPAN
03	00	49	13.3*	59.077 N	153.908 W	97			44	SOUTHERN ALASKA. <AEIC>.
03	01	24	39.5*	23.926 N	123.137 E	10 G	4.4	0.7	8	SOUTHWESTERN RYUKYU ISLANDS
03	01	29	12.1	40.860 N	20.756 E	10 G		0.6	12	GREECE-ALBANIA BORDER REGION. ML 2.8 (SKO). MD 3.2 (ATH).
03	02	01	49.1?	17.38 S	176.26 E	33 N	4.3	1.0	5	FIJI ISLANDS REGION. ML 4.6 (WEL).
03	02	21	31.1*	32.410 N	118.150 W	6 G			13	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
03	02	54	04.6?	13.27 S	175.80 E	130 G	4.3	1.1	11	FIJI ISLANDS REGION
03	06	22	07.7*	20.740 S	69.675 W	33 N	4.1	1.0	10	NORTHERN CHILE
03	06	57	17.1	39.547 N	23.744 E	10 G		0.5	9	AEGEAN SEA
03	07	20	37.8*	49.136 N	122.697 W	17			36	BRITISH COLUMBIA, CANADA. <PGC>. ML 2.2 (PGC). Felt in the Surrey-Pitt Meadows-Maple Ridge area.
03	09	08	02.3*	39.121 N	27.613 E	10 G		0.1	5	TURKEY
03	09	43	42.8	40.815 N	27.840 E	10 G		0.7	8	TURKEY
03	10	13	05.8	43.839 N	17.642 E	5 G	3.9	1.3	26	NORTHWESTERN BALKAN REGION. ML 3.7 (TIR), 3.5 (TTG). MD 3.7 (TRI).
f 03	10	33	39.9	26.483 S	178.715 E	561 G	6.0	1.0	369	SOUTH OF FIJI ISLANDS. mb 5.6 (BRK). Mo=3.2*10**18 Nm (PPT). Depth from broadband displacement seismograms.
03	10	46	27.3	37.394 N	2.334 W	10 G		0.6	7	SPAIN. mbLg 2.9 (MDD).
03	11	13	21.2*	4.882 N	77.331 W	33 N	4.0	1.2	19	NEAR WEST COAST OF COLOMBIA
03	11	25	59.0?	6.87 S	147.63 E	66 ?	4.1	1.4	6	EASTERN NEW GUINEA REG., P.N.G.
03	11	27	08.3	45.560 N	20.909 E	10 G		0.5	6	NORTHWESTERN BALKAN REGION. MG 3.4 (BEO).
03	11	28	38.8	42.978 N	18.753 E	10 G		0.5	10	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
03	11	31	35.4*	22.244 N	142.758 E	33 N	4.3	1.3	14	VOLCANO ISLANDS REGION
03	11	35	50.4*	60.002 N	153.462 W	133			91	SOUTHERN ALASKA. <AEIC>.
03	12	44	18.9*	41.133 N	28.949 E	10 G		0.8	8	TURKEY
03	13	16	44.1	9.095 N	92.470 E	37 D	4.7 4.0	1.0	33	NICOBAR ISLANDS, INDIA
03	13	38	38.8	45.453 N	21.100 E	10 G		1.3	17	ROMANIA
03	13	53	34.7	43.245 N	0.356 W	5 G		0.9	23	PYRENEES. ML 3.5 (LDG). mbLg 3.2 (MDD). Felt (IV) in the Ossau Valley, France.
03	15	35	01.5?	43.01 N	18.73 E	10 G		0.2	5	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
03	15	41	09.6*	61.640 N	151.226 W	63			70	SOUTHERN ALASKA. <AEIC>. ML 3.6 (PMR), 3.4 (AEIC). Felt (III) at Skwentna.
03	15	46	12.6	6.291 S	104.146 E	54 *	5.1 4.5	1.0	65	SUNDA STRAIT
03	16	04	02.3?	5.59 S	146.99 E	205 ?	4.5	1.2	6	EASTERN NEW GUINEA REG., P.N.G.
03	16	58	23.5	44.994 N	9.965 E	14		1.0	34	NORTHERN ITALY. ML 3.0 (LDG), 2.7 (VIE).
03	17	36	40.3	43.194 N	0.356 W	10 G		1.1	21	PYRENEES. ML 3.2 (LDG). Felt (III) in the Ossau Valley, France
03	17	54	35.8	31.703 N	115.910 W	5 G	5.0 4.9	1.3	91	BAJA CALIFORNIA, MEXICO. ML 5.3 (PAS). MD 5.0 (ECX). Mo=1.0*10**17 Nm (PPT). Felt at Ensenada and Mexicali. Felt (IV) at El Centro and (III) at Bonita, Calexico, Lemon Grove, San Diego and Salton City, California.

03	18 57 17.9	31.720 N	115.820 W	6 G					7	Also felt in the Brawley area, California.
03	19 35 11.1	27.32 S	178.35 E	654 ?	4.6	1.1	26	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.6 (PAS).		
03	20 06 45.7	46.847 N	152.956 E	50 D	4.6	0.9	36	KERMADEC ISLANDS REGION		
03	20 21 02.2	43.074 N	18.778 E	10 G		0.4	8	KURIL ISLANDS		
03	20 31 24.6	41.946 N	20.174 E	10 G		0.4	11	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).		
03	21 03 09.6	6.772 S	147.561 E	56 ?	4.1	1.1	14	ALBANIA. ML 2.2 (TTG).		
03	21 06 36.1	43.071 N	18.789 E	10 G		0.3	9	EASTERN NEW GUINEA REG., P.N.G.		
03	21 14 18.8	43.428 N	18.487 E	10 G		1.3	9	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).		
03	21 33 36.2	31.740 N	115.820 W	6 G			5	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).		
03	21 33 55.1	43.081 N	18.786 E	10 G		0.4	9	BAJA CALIFORNIA, MEXICO. <PAS-P>. ML 3.2 (PAS).		
03	21 52 55.2	40.813 N	27.532 E	10 G		1.1	25	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).		
03	22 31 52.5	43.062 N	18.798 E	10 G		0.3	9	TURKEY. MD 3.4 (ATH).		
03	22 34 08.0	4.793 N	77.558 W	33 N	4.1	1.0	18	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).		
04	00 07 07.6	36.112 N	21.598 E	56 *	3.8	1.1	38	NEAR WEST COAST OF COLOMBIA. MD 4.3 (UVC).		
04	00 07 41.3	36.284 N	69.300 E	42 D	4.8 3.8	1.1	64	SOUTHERN GREECE. MD 3.8 (ATH).		
04	01 00 09.9	43.169 N	18.785 E	10 G		0.2	8	HINDU KUSH REGION, AFGHANISTAN		
04	01 04 05.5	43.162 N	18.803 E	10 G		0.1	6	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).		
04	02 26 35.4	44.31 N	7.37 E	10 G		0.2	4	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).		
04	02 32 28.0	42.829 N	18.427 E	10 G		0.3	5	NORTHERN ITALY. ML 1.4 (GEN).		
a 04	02 47 30.3	15.364 S	174.240 W	33 N	4.9 5.4	1.2	58	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).		
04	03 14 34.7	18.41 N	66.95 W	33 N		0.1	6	TONGA ISLANDS. Mo=5.0*10**17 Nm (PPT).		
04	03 23 22.8	45.040 N	6.734 E	8		0.6	19	PUERTO RICO REGION		
04	03 24 37.3	5.777 S	146.50 E	122 *	3.7	1.9	6	FRANCE. ML 2.6 (GEN), 2.4 (LDG).		
a 04	03 27 24.2	24.015 N	93.986 E	72 D	4.9	1.0	149	EASTERN NEW GUINEA REG., P.N.G.		
								MYANMAR-INDIA BORDER REGION. Felt in southeastern Chittagong and northern Rangpur Districts, Bangladesh. Also felt at Dhaka, Bangladesh.		
04	03 41 43.5	16.16 S	178.01 E	33 N		0.6	6	FIJI ISLANDS. ML 4.2 (SVA).		
04	04 06 08.1	38.067 N	118.923 W	15			16	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.1 (BRK).		
04	04 28 38.2	41.253 N	23.403 E	10 G		0.8	5	GREECE-BULGARIA BORDER REGION		
04	04 45 19.6	33.676 S	71.318 W	33 N		0.6	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).		
04	05 05 53.6	4.14 S	138.73 E	74 ?	4.8	0.5	6	IRIAN JAYA, INDONESIA		
04	06 02 49.8	37.109 N	49.440 E	33 N	4.3	0.6	7	CASPIAN SEA		
04	06 17 32.2	41.277 N	23.319 E	10 G		0.2	6	GREECE-BULGARIA BORDER REGION		
04	06 26 53.1	39.553 N	23.809 E	10 G		1.3	9	AEGEAN SEA		
04	06 27 38.9	40.450 N	23.513 E	10 G		0.7	7	GREECE		
04	06 31 48.5	42.958 N	18.744 E	10 G		0.9	10	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).		
04	06 42 57.0	1.142 S	129.013 E	20 D	5.0 4.7	1.1	51	HALMAHERA, INDONESIA		
04	06 45 40.8	44.938 N	7.029 E	10 G		0.5	6	NORTHERN ITALY. ML 1.8 (GEN).		
04	07 03 59.8	39.641 N	23.750 E	10 G		1.4	30	AEGEAN SEA. ML 3.5 (ATH).		
04	07 10 57.5	33.070 N	116.800 W	15			26	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.2 (PAS). Felt (IV) at Julian, Ramona, Santa Ysabel, Santee, Spring Valley and Warner Springs. Felt (III) at Carlsbad, Escondido, San Diego, San Luis Rey and Vista.		
04	07 18 34.8	43.158 N	18.831 E	10 G		0.3	5	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).		
04	07 44 56.8	15.113 N	60.468 W	51 *	3.8	0.6	23	LEEWARD ISLANDS. MD 3.9 (TRN). Felt (II) on Martinique.		
04	08 17 03.5	34.180 N	117.020 W	11			33	SOUTHERN CALIFORNIA <PAS-P>. ML 4.0 (PAS). Felt (V) at Angelus Oaks; (IV) at Fawnskin and Highland; (III) at Arrowbear, Big Bear Lake, Calimesa, Forest Falls and Running Springs. Also felt at San Bernardino.		
04	08 48 19.1	15.501 S	71.900 W	31 *	4.8	0.5	6	SOUTHERN PERU		
04	08 54 25.5	36.821 N	21.889 E	10 G		1.2	13	SOUTHERN GREECE. ML 3.2 (ATH).		
04	10 01 38.9	54.491 N	161.941 E	33 N	4.8	1.0	8	NEAR EAST COAST OF KAMCHATKA		
04	11 40 22.5	59.355 N	135.948 W	15			10	SOUTHEASTERN ALASKA. <PGC>. ML 3.7 (PGC), 3.2 (AEIC). Felt along the Haines Highway west of Haines, Alaska. Also felt at Pleasant Camp, British Columbia.		
04	12 52 12.7	39.532 N	23.824 E	10 G		1.4	13	AEGEAN SEA		
04	12 57 07.7	33.046 S	71.173 W	59 ?		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).		
04	13 12 22.0	39.581 N	23.683 E	10 G		1.0	6	AEGEAN SEA		
04	13 31 30.5	44.978 N	9.932 E	20		1.0	51	NORTHERN ITALY. ML 3.1 (LDG), 3.1 (VIE).		
04	13 49 52.3	39.47 N	23.92 E	10 G		1.2	5	AEGEAN SEA		
04	14 03 01.8	39.497 N	23.842 E	10 G		0.3	7	AEGEAN SEA		
04	14 22 29.4	38.612 N	144.311 E	13	4.8 3.7	0.9	54	OFF EAST COAST OF HONSHU, JAPAN		
04	15 01 52.4	23.28 S	176.91 W	269 ?	4.3	1.4	10	SOUTH OF FIJI ISLANDS		
04	15 37 05.5	39.585 N	23.679 E	10 G		0.9	15	AEGEAN SEA. ML 3.3 (ATH).		
04	15 42 11.8	42.968 N	18.757 E	10 G		0.7	10	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).		
04	15 44 32.9	38.272 N	20.239 E	10 G		1.1	34	GREECE. MD 3.6 (ATH). ML 3.5 (TTG).		
04	15 56 43.3	19.091 S	168.388 E	33 N	4.2 4.2	1.3	13	VANUATU ISLANDS		
04	16 40 57.5	15.969 N	97.919 W	32		0.8	10	NEAR COAST OF OAXACA, MEXICO		
04	16 49 35.4	50.375 N	7.390 E	10 G		0.6	7	GERMANY. ML 2.1 (BNS). MD 2.4 (UCC).		
04	17 38 36.9	16.26 N	95.46 W	10 G		0.9	7	OAXACA, MEXICO		
04	17 59 34.3	29.900 S	67.199 W	33 N		1.5	6	LA RIOJA PROVINCE, ARGENTINA		
04	18 38 23.6	60.697 N	140.330 W	0			21	SOUTHEASTERN ALASKA. <AEIC>. ML 2.8 (AEIC).		
04	18 41 54.7	37.081 N	22.624 E	10 G		0.9	5	SOUTHERN GREECE. MD 3.1 (ATH).		
04	18 54 17.5	18.223 S	178.298 W	617 *	4.8	0.9	38	FIJI ISLANDS REGION		
04	19 45 03.6	32.802 S	71.211 W	33 N		0.6	11	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).		
04	20 15 55.1	8.455 N	103.170 W	33 N	4.7	1.3	29	OFF COAST OF MEXICO		
04	20 16 50.3	50.78 N	143.26 E	33 N	4.6 4.6	1.0	19	SAKHALIN ISLAND		
04	20 33 02.1	33.415 S	71.268 W	29 *		1.0	10	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).		
04	21 16 11.0	42.949 N	18.775 E	11		1.0	39	NORTHWESTERN BALKAN REGION. ML 3.5 (TTG).		
04	21 58 32.4	43.018 N	18.717 E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).		
04	22 10 47.2	15.926 N	98.801 W	10 G	3.8	1.5	14	OFF COAST OF GUERRERO, MEXICO		
05	00 02 47.1	4.45 N	77.62 W	33 N		0.3	9	NEAR WEST COAST OF COLOMBIA		
05	00 12 58.3	17.320 N	62.208 W	104	4.0	0.4	27	LEEWARD ISLANDS. MD 3.8 (TRN).		
05	00 52 41.7	28.498 N	32.888 E	13	3.4	0.7	12	EGYPT. MD 3.9 (HLW).		
05	01 19 22.3	25.677 S	179.609 E	528 *	4.7	1.2	63	SOUTH OF FIJI ISLANDS		
05	01 37 00.0	43.014 N	18.729 E	10 G		0.2	7	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).		
05	01 47 52.4	10.164 N	123.721 E	20 D	4.8 4.1	1.1	43	CEBU, PHILIPPINE ISLANDS. Felt (IV RF) at Cebu City, Negros and (II RF) at Cebu City.		
05	02 00 32.8	40.696 N	27.384 E	10 G		1.0	11	TURKEY. MD 3.4 (ATH).		
05	03 17 24.5	50.97 N	149.39 E	411 *	3.9	0.5	10	SEA OF OKHOTSK		
05	03 18 42.3	17.742 N	94.895 W	33 N		0.8	8	CHIAPAS, MEXICO		
05	03 31 35.7	43.75 N	29.15 W	10 G	4.3 3.7	0.5	14	NORTHERN MID-ATLANTIC RIDGE		

05	03 52 07.2& 59.622 N	152.440 W	67	3.8	85	SOUTHERN ALASKA. <AEIC>. ML 4.0 (AEIC), 4.0 (PMR). Felt (III) at Port Graham.	
05	03 54 45.4& 59.625 N	152.424 W	71		54	SOUTHERN ALASKA. <AEIC>.	
05	04 36 42.3* 31.416 N	140.544 E	90 *	4.6	12	SOUTH OF HONSHU, JAPAN	
05	04 39 20.7 44.072 N	8.525 E	10 G		0.6	19	NORTHERN ITALY. ML 2.2 (GEN), 1.6 (STR).
05	04 40 17.4* 32.596 S	67.317 W	33 N		1.1	7	MENDOZA PROVINCE, ARGENTINA
05	04 58 17.0 11.160 S	75.391 W	117 *	4.8	0.6	18	CENTRAL PERU
05	04 58 33.9& 63.124 N	150.920 W	135			66	CENTRAL ALASKA. <AEIC>.
05	08 21 04.0? 33.18 S	70.27 W	108 ?		0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
05	08 22 31.5? 46.70 N	9.52 E	10 G		1.4	5	SWITZERLAND
a 05	09 15 28.1 41.266 S	80.401 E	10 G	5.3 5.8	1.3	77	MID-INDIAN RIDGE
05	10 02 11.8 44.526 N	6.871 E	10 G		0.5	9	FRANCE. ML 2.0 (GEN).
05	10 10 00.7& 47.952 N	108.895 W	10 G			8	MONTANA. <BUT>. ML 3.0 (BUT).
05	10 15 27.9& 59.938 N	153.646 W	158			45	SOUTHERN ALASKA. <AEIC>.
05	10 23 10.4% 16.276 N	97.781 W	33 N		0.6	6	OAXACA, MEXICO
05	10 37 28.2? 22.12 S	170.28 E	33 N	4.4	1.2	17	LOYALTY ISLANDS REGION
05	11 33 32.0 46.125 N	12.383 E	10 G		0.6	12	NORTHERN ITALY. ML 2.7 (VIE).
05	11 43 13.4* 34.165 S	70.541 W	107 ?		0.3	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
05	12 09 39.9 30.345 N	138.409 E	440 *	4.4	0.8	37	SOUTH OF HONSHU, JAPAN
05	12 46 00.9* 32.455 S	71.835 W	10 G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
05	13 16 02.8* 42.025 N	125.453 W	10 G	3.3	0.9	16	OFF COAST OF OREGON
05	13 21 11.0 40.981 N	22.370 E	10 G		0.4	7	GREECE. ML 1.7 (SKO).
05	14 58 02.7 6.859 N	73.009 W	166	4.6	0.6	10	NORTHERN COLOMBIA
05	15 10 39.0% 38.618 S	175.848 E	187 *		0.6	30	NORTH ISLAND, NEW ZEALAND
05	15 48 20.7 22.544 N	121.450 E	17 D	4.6 4.7	1.2	64	TAIWAN REGION. ML 4.6 (BJI).
05	16 10 51.3? 31.33 S	68.70 W	100 G		0.3	4	SAN JUAN PROVINCE, ARGENTINA
a 05	17 51 18.4 2.430 S	140.026 E	60 *	5.3	1.0	93	NEAR NORTH COAST OF IRIAN JAYA
05	18 31 42.1* 2.323 S	140.415 E	33 N	4.4 3.9	0.9	13	NEAR NORTH COAST OF IRIAN JAYA
05	19 22 42.0? 37.91 N	11.58 E	22		1.0	10	SICILY
05	19 57 09.7 12.509 N	144.417 E	36 *	5.1 4.7	1.1	89	SOUTH OF MARIANA ISLANDS. Felt (III) in northern Guam.
a 05	20 21 55.3 36.135 N	31.807 E	115 D	5.2	1.1	329	TURKEY. Felt at Antalya, Burdur and Isparta. Also felt (V) on Cyprus.
05	20 25 51.8? 34.64 S	71.19 W	33 N		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
05	21 15 49.3 40.647 N	23.780 E	10 G		0.4	9	GREECE
05	21 52 56.2 39.115 N	24.363 E	26		1.0	20	AEGEAN SEA. ML 3.2 (ATH).
05	21 54 30.7 39.110 N	24.417 E	23	4.4	1.0	38	AEGEAN SEA. ML 4.0 (ATH).
05	22 11 30.5% 39.211 N	24.157 E	10 G		0.7	7	AEGEAN SEA
05	22 52 49.3* 24.299 N	125.372 E	33 N	4.3	0.4	11	SOUTHWESTERN RYUKYU ISLANDS
05	23 15 27.7* 6.421 N	126.560 E	93 *	4.9	1.2	33	MINDANAO, PHILIPPINE ISLANDS
06	00 45 40.7& 40.638 N	124.588 W	19			5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK).
06	01 48 13.1% 38.462 N	12.413 E	10 G		1.3	6	SICILY
06	01 56 14.3% 38.438 N	12.449 E	10 G		1.4	6	SICILY
06	02 25 36.3% 43.081 N	18.785 E	10 G		0.5	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
06	02 33 22.3* 18.937 N	103.041 W	70 G	4.2	1.3	6	NEAR COAST OF MICHOACAN, MEXICO
06	03 21 17.8% 43.126 N	0.674 W	10 G		0.5	7	PYRENEES. ML 1.1 (STR).
06	03 42 12.8* 18.259 N	66.447 W	33 N		0.2	6	PUERTO RICO REGION
06	04 14 11.6? 62.15 N	3.75 E	10 G		0.9	9	NORWEGIAN SEA. MD 2.4 (BER).
06	04 44 44.7* 31.554 S	68.779 W	110 G		0.4	7	SAN JUAN PROVINCE, ARGENTINA
06	05 26 34.5? 33.24 S	72.01 W	33 N		0.4	8	OFF COAST OF CENTRAL CHILE. MD 3.4 (SAN).
06	06 26 03.0* 32.585 S	71.728 W	12		0.6	11	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
06	06 34 47.7 29.151 N	51.235 E	25 *	3.8	0.6	15	SOUTHERN IRAN. Felt at Barazjan.
06	07 30 00.1* 22.933 S	179.677 W	563 ?	4.4	1.2	50	SOUTH OF FIJI ISLANDS
06	07 32 11.3? 5.42 S	144.48 E	99 ?	4.2	1.1	6	NEW GUINEA, PAPUA NEW GUINEA
06	10 03 37.3* 37.355 N	31.552 E	10 G		1.1	10	TURKEY. MD 4.1 (HLW).
06	12 14 15.5* 12.490 N	88.767 W	33 N	4.8	1.0	28	OFF COAST OF CENTRAL AMERICA
06	12 57 49.2% 17.208 N	96.426 W	32 *		1.3	6	OAXACA, MEXICO
06	13 59 37.4& 63.299 N	147.537 W	64			55	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
06	14 33 34.5* 17.546 N	61.721 W	32 *		0.8	9	LEEWARD ISLANDS. MD 2.8 (TRN).
06	14 50 51.6% 44.341 N	8.195 E	10 G		0.3	8	NORTHERN ITALY. ML 2.1 (GEN).
06	14 58 40.1? 26.68 S	112.53 E	10 G	3.8	1.5	8	WESTERN AUSTRALIA
06	15 40 18.7? 33.06 S	71.99 W	12		0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
06	17 18 45.5 39.316 N	23.771 E	10 G		1.2	12	AEGEAN SEA. MD 3.1 (ATH).
06	17 25 10.3* 3.299 S	127.473 E	77 ?	4.6	0.4	10	SERAM, INDONESIA
06	17 42 52.5* 31.502 S	67.329 W	10 G		1.2	8	SAN JUAN PROVINCE, ARGENTINA
06	18 27 37.7& 33.890 N	116.160 W	2			9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
06	18 36 24.9 39.329 N	144.568 E	33 N	4.0	0.9	13	OFF EAST COAST OF HONSHU, JAPAN
06	19 34 02.8 47.262 N	0.172 E	10 G		1.1	41	FRANCE. ML 4.2 (LDG). Felt in the Bourgueil area.
06	19 55 13.6% 39.189 N	29.419 E	10 G		0.9	6	TURKEY
06	20 51 14.1 40.356 N	25.881 E	10 G		0.5	27	AEGEAN SEA. MD 3.4 (ATH).
06	21 31 51.1? 51.51 N	7.56 E	10 G		0.3	5	GERMANY. ML 2.6 (BNS).
06	21 44 08.5& 61.808 N	150.259 W	40	4.2		113	SOUTHERN ALASKA. <AEIC>. ML 4.3 (AEIC). Felt (III) at Hope, Moose Pass and Skwentna. Also felt at Anchorage, Palmer, Talkeetna and Willow.
06	21 45 54.0* 40.283 N	63.096 E	10 G	3.9	0.7	10	NORTHWESTERN UZBEKISTAN
06	22 27 56.3& 63.071 N	150.911 W	125			64	CENTRAL ALASKA. <AEIC>.
06	23 08 28.3% 39.933 N	23.775 E	10 G		0.4	7	AEGEAN SEA
07	01 13 47.1 29.071 N	132.005 E	26	4.7 4.0	1.0	46	SOUTHEAST OF SHIKOKU, JAPAN
07	01 35 24.3 15.216 N	61.071 W	126	4.0	0.6	29	LEEWARD ISLANDS. MD 3.9 (TRN).
07	01 48 56.4? 17.59 N	62.23 W	33 N		1.0	6	LEEWARD ISLANDS. MD 2.3 (TRN).
07	03 31 52.0% 47.186 N	0.101 W	10 G		1.1	9	FRANCE. ML 2.1 (LDG).
07	03 54 58.6 39.850 N	30.145 E	10 G		0.8	9	TURKEY
07	04 15 36.2 50.924 N	14.850 E	33 N		0.7	7	CZECHOSLOVAKIA. ML 3.1 (VIE).
07	04 43 10.1 42.224 N	125.557 W	10 G		0.4	40	OFF COAST OF OREGON
07	04 51 54.2? 43.08 N	18.85 E	10 G		0.2	4	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
07	05 18 34.0% 47.251 N	0.125 E	8		0.6	16	FRANCE. ML 3.0 (LDG).
07	07 30 09.5 36.468 N	4.439 W	100 *		0.6	12	STRAIT OF GIBRALTAR. MD 3.3 (RBA).
07	10 55 51.7? 24.10 S	178.17 W	331 ?	4.3	1.1	15	SOUTH OF FIJI ISLANDS
07	11 14 54.8? 25.9? S	179.88 E	614 ?	4.7	0.8	14	SOUTH OF FIJI ISLANDS
07	11 42 30.1& 60.954 N	150.344 W	51	5.2		257	KENAI PENINSULA, ALASKA. <AEIC>. ML 5.1 (AEIC), 5.1 (PMR). Felt (V) at Fort Richardson and Willow; (IV) at Anchorage, Hope, Skwentna and Wasilla. Also felt at Chugiak, Eagle River, Kenai, Nikiski, Palmer and Soldotna.

07	11 59 00.9	45.475 N	151.391 E	50 D	5.7 5.9	1.0	306	KURIL ISLANDS. Mo=1.3*10**18 Nm (PPT).
07	12 31 08.97	46.18 N	150.16 E	33 N	3.9	0.7	5	KURIL ISLANDS
07	12 32 49.67	45.10 N	151.85 E	33 N	4.4	1.6	8	KURIL ISLANDS
07	12 38 02.0*	19.004 S	177.691 W	672 ?	4.5	1.0	38	FIJI ISLANDS REGION
07	12 58 26.2*	16.202 S	176.314 W	418 *	4.3	1.0	28	FIJI ISLANDS REGION
07	13 04 09.9*	45.479 N	151.401 E	33 N	4.0	1.1	11	KURIL ISLANDS
07	13 31 19.67	38.16 N	134.13 E	498 ?		0.7	7	SEA OF JAPAN
07	13 32 17.3*	20.543 S	177.528 W	502 *	4.7	1.4	41	FIJI ISLANDS REGION
07	13 36 40.6	18.370 N	101.081 W	65 ?	3.7	0.7	13	GUERRERO, MEXICO
07	13 37 16.2	45.395 N	151.547 E	33 N	4.9 4.1	1.0	45	KURIL ISLANDS
07	13 47 29.3	1.808 N	126.481 E	65 *	5.0	0.8	22	NORTHERN MOLUCCA SEA
07	13 57 40.6	24.059 N	93.913 E	69 D	5.1	1.1	162	MYANMAR-INDIA BORDER REGION
07	14 22 32.2	25.191 N	62.974 E	30 D	5.2 5.0	1.0	192	SOUTHWESTERN PAKISTAN
07	16 03 17.1	45.372 N	151.544 E	24 D	5.0 4.6	0.9	86	KURIL ISLANDS
07	16 34 54.9	45.422 N	151.553 E	44 D	5.6 5.0	0.9	280	KURIL ISLANDS
07	16 38 31.8&	64.019 N	148.153 W	107			70	CENTRAL ALASKA. <AEIC>.
07	16 55 03.5	35.564 N	27.045 E	70 ?		1.1	16	DODECANESE ISLANDS. MD 4.2 (HLW), 3.9 (ATH).
07	16 56 03.8	45.359 N	151.508 E	33 N	4.7 4.2	1.0	52	KURIL ISLANDS
07	17 28 30.87	45.60 N	151.41 E	33 N	3.8	0.6	5	KURIL ISLANDS
07	18 09 39.7*	0.112 N	124.730 E	33 N	4.3	1.3	8	MINAHASSA PENINSULA, SULAWESI
07	18 23 55.27	45.56 N	151.39 E	33 N	4.2	1.1	14	KURIL ISLANDS
07	19 13 48.9%	45.104 N	7.418 E	10 G		0.6	9	NORTHERN ITALY. ML 2.1 (GEN).
07	19 21 24.4*	37.443 S	51.281 E	10 G	5.1 4.7	1.4	42	SOUTH INDIAN OCEAN
07	19 21 26.9&	36.632 N	121.287 W	6			16	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
07	19 34 32.2*	45.312 N	151.715 E	33 N	4.5	1.2	23	KURIL ISLANDS
07	19 42 49.0	1.683 N	126.317 E	82 *	4.4	0.5	14	NORTHERN MOLUCCA SEA
07	22 06 00.67	34.02 S	72.35 W	10 G		0.4	7	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
07	22 09 03.57	34.00 S	72.13 W	10 G		0.5	7	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
07	22 19 21.5	2.603 N	128.679 E	246 *	4.5	0.5	35	HALMAHERA, INDONESIA
07	22 55 15.3	31.714 S	68.314 W	10 G		1.1	15	SAN JUAN PROVINCE, ARGENTINA
07	23 01 28.3%	43.119 N	18.902 E	10 G		0.3	6	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
07	23 39 24.07	8.06 S	118.08 E	227 ?		0.6	10	SUMBAWA REGION, INDONESIA
08	00 01 37.37	34.00 S	72.25 W	10 G		0.4	6	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
08	01 02 06.2*	38.335 N	48.151 E	33 N	3.8	1.3	12	ARMENIA-AZERBAIJAN-IRAN BORD REG. Felt in the Ardabil area, Iran.
08	01 03 20.8	45.179 N	151.630 E	33 N	4.6 4.2	1.1	48	KURIL ISLANDS
08	01 32 55.47	45.92 N	150.88 E	33 N	4.0	1.2	4	KURIL ISLANDS
08	02 43 09.4*	46.674 N	149.768 E	33 N	4.1	1.1	17	KURIL ISLANDS
08	02 49 40.47	31.30 S	178.21 W	63 ?	5.2	1.2	16	KERMADEC ISLANDS REGION
08	02 51 00.1&	38.828 N	122.783 W	2			15	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK).
08	03 00 30.0&	47.700 N	69.800 W	18 G	3.6		10	GASPE PENINSULA, CANADA. <OTT-P>. mbLg 4.1 (OTT). Felt at Riviere-du-Loup and St.-Fidele.
08	03 50 36.4*	6.028 S	148.957 E	84 *		0.8	9	NEW BRITAIN REGION, P.N.G.
08	04 03 57.9%	43.123 N	18.912 E	10 G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
08	04 34 02.3&	59.937 N	152.344 W	92			78	SOUTHERN ALASKA. <AEIC>.
08	04 59 38.2	45.242 N	151.447 E	44 D	4.9 4.5	1.1	79	KURIL ISLANDS
08	05 13 12.7*	45.528 N	151.480 E	24 D	4.8	0.9	54	KURIL ISLANDS
08	06 00 22.0*	32.335 S	70.144 W	127 ?		0.4	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
08	06 34 11.0	45.350 N	151.501 E	42 D	5.2 4.4	0.9	155	KURIL ISLANDS
08	07 10 40.3%	42.993 N	18.723 E	10 G		0.4	6	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
08	07 23 23.17	44.23 N	148.45 E	52 ?	4.1	1.5	8	KURIL ISLANDS
08	08 05 36.1	86.012 N	30.609 E	10 G	4.7 4.1	1.3	41	NORTH OF SVALBARD
08	08 26 27.2%	38.678 S	179.549 E	131 *		0.9	35	OFF E. COAST OF N. ISLAND, N.Z.
08	10 31 17.0&	57.669 N	150.065 W	10 G	3.9		106	GULF OF ALASKA. <AEIC>. ML 4.3 (AEIC), 4.2 (PMR).
08	11 02 49.2	32.685 S	67.712 W	28	5.0	1.2	32	MENDOZA PROVINCE, ARGENTINA. MD 5.0 (SAN).
08	11 08 29.6%	15.096 N	60.705 W	33 N		0.1	7	LEEWARD ISLANDS. ML 2.6 (FDF).
08	12 25 15.4	44.543 N	10.601 E	10 G		1.2	86	NORTHERN ITALY. ML 4.3 (GRF), 4.2 (VIE), 3.9 (FUR), 3.7 (LDG). MD 3.8 (FIR), 3.8 (TRI), 3.7 (ROM).
08	13 38 38.97	37.01 S	178.57 E	223 ?		0.9	23	OFF E. COAST OF N. ISLAND, N.Z.
08	14 09 54.5	45.471 N	151.554 E	40 D	5.4 5.1	0.9	246	KURIL ISLANDS. Mo=3.2*10**17 Nm (PPT).
08	14 37 52.8	46.394 N	7.483 E	5 G		1.2	32	SWITZERLAND. ML 2.8 (LDG).
08	15 08 53.3%	38.562 S	175.616 E	220 *		0.4	34	NORTH ISLAND, NEW ZEALAND
08	15 15 37.47	35.62 N	52.54 E	10 G		0.5	6	NORTHERN IRAN
08	15 16 06.47	45.65 N	151.27 E	33 N	4.1	1.5	11	KURIL ISLANDS
08	16 14 28.9*	4.609 S	152.133 E	54 *	4.1	1.2	13	NEW BRITAIN REGION, P.N.G.
08	17 07 45.7&	62.043 N	140.539 W	14			32	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 3.1 (AEIC).
08	17 20 11.6	8.207 N	71.829 W	33 N	3.9 3.6	0.9	12	VENEZUELA
08	17 30 36.37	44.30 N	152.45 E	33 N	4.0	0.7	7	EAST OF KURIL ISLANDS
08	17 31 45.2	45.427 N	151.504 E	36 D	4.8	0.8	51	KURIL ISLANDS
08	17 33 02.7	45.380 N	151.473 E	48 D	4.8	0.9	61	KURIL ISLANDS
08	17 38 54.7	31.848 S	69.665 W	138 ?		0.8	15	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
08	17 57 17.0%	47.207 N	0.098 E	10 G		0.8	12	FRANCE. ML 2.7 (LDG).
08	18 21 34.17	24.90 S	69.48 W	81 ?		1.2	7	NORTHERN CHILE
08	19 13 18.9	44.743 N	9.613 E	10 G		1.1	25	NORTHERN ITALY
08	19 30 33.5*	8.405 N	82.835 W	64 ?	4.1 3.8	0.9	11	PANAMA-COSTA RICA BORDER REGION
08	19 51 24.87	0.87 N	126.86 E	152 ?	4.5	0.5	6	NORTHERN MOLUCCA SEA
08	22 23 33.6	24.006 N	122.387 E	32 D	4.6 4.2	1.0	58	TAIWAN REGION. ML 4.3 (BJI).
08	23 23 50.17	18.70 N	121.36 E	33 N	4.0	0.9	8	LUZON, PHILIPPINE ISLANDS
08	23 34 31.1	45.461 N	151.538 E	16 D	5.1 4.6	0.8	99	KURIL ISLANDS
09	00 56 45.37	30.10 N	50.00 E	33 N	4.0	0.1	5	WESTERN IRAN
09	01 02 36.2&	35.770 N	120.633 W	8			17	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt in the Paso Robles area.
09	01 02 46.5	29.543 N	81.632 E	29 D	5.6 4.6	0.9	325	NEPAL. ML 5.4 (NDI).
09	03 34 38.8	45.539 N	151.390 E	33 N	4.9	0.8	56	KURIL ISLANDS
09	03 44 51.0%	43.237 N	18.729 E	33 N		0.4	5	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
09	04 39 35.6	45.553 N	26.209 E	166	4.1	1.2	43	ROMANIA. Felt (I) in the Vrancea area.
09	04 57 10.1*	21.866 S	66.857 W	33 N	4.3	1.3	6	SOUTHERN BOLIVIA
09	05 02 39.0%	44.508 N	10.831 E	10 G		0.9	5	NORTHERN ITALY
09	06 57 35.2	3.771 S	151.375 E	10 G	5.3 4.8	1.1	50	NEW IRELAND REGION, P.N.G.
09	07 09 23.3	44.461 N	10.738 E	10 G		0.6	7	NORTHERN ITALY
09	09 23 04.8	37.207 N	24.354 W	10 G	5.3 4.7	0.9	241	AZORES ISLANDS REGION. Felt (IV) on Santa Maria and Sao Miguel.

09	09	29	38.4	2.380	S	121.880	E	35	*	4.6	4.2	1.3	21	SULAWESI, INDONESIA
09	09	42	12.7%	15.843	N	61.154	W	86	?			0.3	7	LEeward ISLANDS
09	09	48	03.6	37.135	N	24.441	W	10	G	4.5		1.0	43	AZORES ISLANDS REGION. Felt (IV) on Santa Moria and Sao Miguel.
09	10	03	50.3	43.434	N	5.423	E	10	G			0.7	15	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
09	10	27	54.3	44.479	N	10.559	E	10	G			1.0	7	NORTHERN ITALY. ML 2.5 (VIE).
09	10	57	21.3	37.576	N	1.672	W	10	G			0.9	5	SPAIN. mblg 2.6 (MDD).
09	11	21	52.1	44.490	N	10.525	E	10	G			1.3	8	NORTHERN ITALY. ML 2.6 (VIE).
09	12	47	16.5%	34.850	N	106.553	W	14					18	NEW MEXICO. <SNM>. MD 2.9 (SNM). mblg 3.1 (TUL). Felt (III) at Peralta and (II) at Tome. Also felt at Los Lunos.
09	13	38	01.6	44.472	N	10.570	E	24				1.3	31	NORTHERN ITALY. ML 3.4 (LDG), 3.0 (VIE).
09	13	46	21.6?	23.66	S	179.25	W	583	?	4.8		0.8	32	SOUTH OF FIJI ISLANDS
09	13	46	23.3	45.595	N	15.311	E	5	G			0.9	6	NORTHWESTERN BALKAN REGION. MD 2.6 (LJU).
09	13	47	02.7	40.918	N	24.431	E	10	G			1.0	7	AEGEAN SEA
09	14	05	48.9*	16.273	N	98.504	W	33	N	4.2		0.9	15	NEAR COAST OF GUERRERO, MEXICO
09	14	39	05.7	39.657	N	16.980	E	10	G	3.5		0.9	23	SOUTHERN ITALY. ML 3.9 (TIR), 3.4 (TTG).
09	14	39	53.9	44.510	N	10.328	E	10	G	3.3		1.1	18	NORTHERN ITALY. ML 3.1 (LDG), 2.9 (VIE).
09	15	35	20.0%	41.378	N	125.205	W	5	G				5	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM).
09	16	59	43.3	44.492	N	10.513	E	20				1.0	21	NORTHERN ITALY. ML 3.0 (LDG), 2.6 (VIE).
09	18	54	00.5%	61.845	N	149.969	W	40					71	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
09	19	08	10.4	43.442	N	5.446	E	10	G			0.9	15	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
09	19	10	22.9?	19.90	S	133.84	E	10	G			0.4	4	NORTHERN TERRITORY, AUSTRALIA
09	19	20	14.4%	17.588	N	101.223	W	33	N			1.2	9	NEAR COAST OF GUERRERO, MEXICO
09	19	37	42.8	17.515	N	61.730	W	33	N			0.6	11	LEeward ISLANDS. MD 2.9 (TRN). ML 2.8 (FDF).
09	20	07	11.0	1.168	N	123.032	E	10	G	4.8		0.9	18	MINAHASSA PENINSULA, SULAWESI
09	20	24	56.4	47.061	N	10.424	E	5	G			0.9	15	AUSTRIA. ML 2.7 (VIE). Felt (IV) in the Aribergpass oreo.
09	21	13	47.2	39.640	N	27.835	E	10	G			0.5	13	TURKEY. MD 3.3 (ATH).
09	21	26	54.5?	21.41	N	92.06	E	33	N			0.7	7	MYANMAR-BANGLADESH BORDER REGION
09	22	20	29.5?	22.16	S	179.49	E	600	G	4.7		1.0	12	SOUTH OF FIJI ISLANDS
09	22	32	15.1%	41.165	N	24.469	E	10	G			0.6	6	GREECE-BULGARIA BORDER REGION
09	22	48	39.9*	47.524	N	115.953	W	1	G			1.0	8	MONTANA. ML 2.4 (GS). Rockburst at the Lucky Friday Mine near Mullan, Idaho.
09	22	52	48.2	3.522	S	151.409	E	10	G	4.9		1.0	15	NEW IRELAND REGION, P.N.G.
09	23	14	30.4%	18.835	N	155.849	W	46		4.7			71	HAWAII. <HVO-P>. ML 5.2 (HVO). Felt (IV) at Holuoloo, Honouanuu, Honakoo, Hanomu, Kowaihae, Loupahoehoe, Mountain View, Ookala, Paouilo and Poholo. Felt (III) at Hakalau and Papaaloo. Felt throughout the Island of Hawaii.
09	23	39	14.4	0.177	N	125.790	E	72	*	5.0		1.0	45	NORTHERN MOLUCCA SEA
10	00	27	03.7	6.267	S	130.340	E	120		4.9		0.7	47	BANDA SEA
10	00	31	41.5*	4.632	S	152.979	E	24	D	5.1	4.9	1.3	31	NEW BRITAIN REGION, P.N.G.
10	02	40	34.9?	33.99	S	70.96	W	33	N			0.9	5	CHILE-ARGENTINA BORDER REGION
10	02	48	27.7	44.991	N	9.932	E	10	G			1.1	34	NORTHERN ITALY. ML 2.7 (LDG), 2.4 (VIE).
10	03	51	34.5%	36.920	N	3.715	W	10	G			1.3	11	STRAIT OF GIBRALTAR. mblg 2.9 (MDD).
10	03	52	05.0?	33.10	S	176.93	W	33	N	4.7		1.0	10	SOUTH OF KERMADec ISLANDS
10	04	24	22.4*	5.488	S	146.208	E	128		4.8		1.0	23	EASTERN NEW GUINEA REG., P.N.G.
10	05	28	27.1*	5.926	S	77.404	W	102	*	4.3		0.9	12	NORTHERN PERU
10	05	58	14.7	40.905	N	51.870	E	33	N	4.7		0.8	60	CASPIAN SEA
10	06	57	23.7?	23.80	S	179.81	W	604	?	4.4		1.0	35	SOUTH OF FIJI ISLANDS
10	07	30	17.3	24.062	N	122.423	E	29	D	4.5		1.2	29	TAIWAN REGION. ML 4.3 (BJI).
10	07	43	20.0*	24.029	N	122.564	E	13		4.5		1.3	24	TAIWAN REGION. ML 4.2 (BJI).
10	07	44	03.4?	31.09	S	68.37	W	90	G			0.4	5	SAN JUAN PROVINCE, ARGENTINA
10	08	12	28.0*	23.984	N	122.498	E	10	G	3.8		1.2	8	TAIWAN REGION
10	08	30	55.6	38.690	N	144.363	E	33	N	5.1		1.1	20	OFF EAST COAST OF HONSHU, JAPAN
10	09	32	53.7?	57.20	N	152.23	W	33	N	2.8		1.0	6	KODIAK ISLAND REGION
10	09	51	14.8	47.425	N	9.135	E	10	G			0.5	11	GERMANY. ML 2.3 (STR).
10	11	11	28.3*	0.413	N	125.953	E	106	*	4.0		1.0	7	NORTHERN MOLUCCA SEA
10	13	43	41.5	36.026	N	22.394	E	39	*	4.3		1.1	39	SOUTHERN GREECE. MD 4.1 (ATH).
10	15	35	41.1*	17.866	S	116.090	W	10	G	5.1		1.0	48	SOUTHERN EAST PACIFIC RISE
10	16	57	18.2*	18.980	S	69.490	W	125	*	4.8		1.4	16	NORTHERN CHILE
10	17	04	49.2	40.054	N	24.662	E	10	G			1.0	20	AEGEAN SEA. MD 3.1 (ATH).
10	17	05	34.9%	18.226	N	66.173	W	10	G			0.6	6	PUERTO RICO REGION
10	18	04	49.9	41.951	N	23.036	E	10	G			1.1	14	GREECE-BULGARIA BORDER REGION. ML 2.4 (SKO).
10	20	02	33.6?	45.12	N	13.26	E	10	G			1.1	5	NORTHERN ITALY
10	21	07	37.2*	37.058	N	141.690	E	55	*			0.9	15	NEAR EAST COAST OF HONSHU, JAPAN
10	21	53	21.2	41.735	N	21.851	E	10	G			0.9	8	NORTHWESTERN BALKAN REGION. ML 1.7 (SKO).
10	22	54	47.2*	42.852	N	12.806	E	5	G			1.2	6	CENTRAL ITALY
10	23	18	57.3%	43.076	N	18.912	E	10	G			0.3	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
o 10	23	19	57.6	4.764	N	77.469	W	29	D	5.2	4.5	1.0	138	NEAR WEST COAST OF COLOMBIA. Felt in parts of western Colombia.
10	23	40	18.4?	7.99	S	128.21	E	162	?	4.6		1.1	7	BANDA SEA
11	00	10	23.1*	33.598	S	72.012	W	10	G			0.6	10	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
11	02	05	07.6?	51.44	N	6.75	E	10	G			0.1	4	GERMANY
11	03	35	22.2%	37.047	N	121.135	W	7					9	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
11	03	47	05.9%	65.823	N	145.319	W	10					25	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
11	04	15	35.5*	20.319	S	177.766	W	543	*	5.1		1.3	34	FIJI ISLANDS REGION
11	05	02	08.9%	38.832	N	122.788	W	3					14	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
11	05	48	58.0%	43.044	N	18.456	E	10	G			0.3	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
o 11	06	29	41.8	22.692	S	175.124	W	42	D	5.7	5.4	1.1	135	TONGA ISLANDS REGION
11	07	02	44.5%	40.473	N	23.097	E	10	G			0.7	6	GREECE
11	07	20	39.9?	36.23	N	53.91	E	10	G			0.7	6	NORTHERN IRAN. Felt at Emomshohr.
11	07	47	00.0?	24.02	N	121.64	E	5	G			0.1	4	TAIWAN
11	10	34	32.9%	17.257	N	101.993	W	33	N			1.1	8	NEAR COAST OF GUERRERO, MEXICO
11	11	19	28.0?	9.22	N	124.10	E	33	N	4.5		1.6	9	MINDANAO, PHILIPPINE ISLANDS
11	12	07	57.8*	6.924	S	129.897	E	179	*	4.5		0.2	8	BANDA SEA
11	12	49	19.1?	17.16	N	101.66	W	33	N			0.7	4	NEAR COAST OF GUERRERO, MEXICO
11	13	06	05.6	43.434	N	5.457	E	5	G			0.7	19	NEAR SOUTH COAST OF FRANCE. ML 3.2 (LDG), 3.0 (STR).
11	13	33	41.7?	24.35	S	179.63	W	546	?	4.4		1.0	11	SOUTH OF FIJI ISLANDS
11	14	16	26.2%	38.205	N	118.756	W	5	G				5	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.6 (GM).
11	14	33	20.4%	31.379	S	68.837	W	90	G			0.6	5	SAN JUAN PROVINCE, ARGENTINA
11	15	12	23.2%	59.248	N	152.850	W	78					21	SOUTHERN ALASKA. <AEIC>.

f 11	17 03 10.6	17.821 S	116.017 W	19 G	5.9 6.1	0.9	307	SOUTHERN EAST PACIFIC RISE. Ms 6.4 (BRK). Mo=6.3+10+18 Nm (PPT). Depth from broadband displacement seismograms.
11	17 21 19.1	39.522 N	28.452 E	10 G		1.2	11	TURKEY
11	17 45 32.4	38.196 N	72.820 E	33 N	4.0	1.0	12	TAJIKISTAN
11	17 58 06.5	17.819 S	116.017 W	11 D	5.2	1.2	35	SOUTHERN EAST PACIFIC RISE
11	17 59 52.6	30.257 S	117.913 E	10 G	3.3	1.5	10	WESTERN AUSTRALIA
11	19 19 32.3	61.996 N	140.551 W	5			23	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 2.9 (AEIC).
o 11	20 39 39.2	23.368 S	171.044 E	37 D	5.8 6.5	1.4	418	LOYALTY ISLANDS REGION. Ms 6.3 (BRK). Mo=4.0+10+18 Nm (PPT).
11	21 08 06.1	44.419 N	7.329 E	10 G		0.4	20	NORTHERN ITALY. ML 2.6 (GEN), 2.6 (LDG).
11	21 08 29.7	44.403 N	7.307 E	10 G		0.2	5	NORTHERN ITALY. ML 1.9 (GEN).
11	21 37 03.4	47.480 N	115.801 W	1 G		0.6	22	MONTANA. ML 3.0 (GS), 3.0 (BUT). Rockburst at the Lucky Friday Mine near Mullan, Idaho. Felt at Mullan, Idaho.
11	21 45 28.2	31.49 S	68.50 W	90 G		0.9	4	SAN JUAN PROVINCE, ARGENTINA
11	22 23 27.8	31.45 S	68.29 W	90 G		1.5	4	SAN JUAN PROVINCE, ARGENTINA
11	23 32 58.6	63.114 N	150.784 W	128			70	CENTRAL ALASKA. <AEIC>.
12	00 35 35.9	66.586 N	147.690 W	11			56	NORTHERN ALASKA. <AEIC>. ML 3.5 (PMR), 3.3 (AEIC).
12	00 38 06.2	34.050 N	117.510 W	4			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS). Felt at Fontana.
12	00 59 59.8	45.695 N	21.144 E	10 G		0.8	8	ROMANIA
12	01 20 51.3	37.671 N	14.893 E	10 G		0.7	6	SICILY
12	01 53 58.2	41.22 N	20.16 E	10 G		0.5	4	ALBANIA. ML 2.3 (TIR).
12	02 21 18.5	33.402 S	70.126 W	10 G		0.4	7	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
12	02 25 34.6	43.34 N	141.87 E	33 N	4.4	0.2	8	HOKKAIDO, JAPAN REGION
12	02 27 45.5	36.437 N	140.709 E	63	4.9	1.0	82	NEAR EAST COAST OF HONSHU, JAPAN
12	02 42 55.5	33.389 S	70.184 W	10 G		0.6	13	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN).
12	02 43 36.9	45.667 N	14.208 E	10 G		0.3	6	NORTHWESTERN BALKAN REGION. MD 2.3 (TRI), 2.2 (LJU).
12	02 45 40.2	40.494 N	27.769 E	10 G		1.4	6	TURKEY
12	03 05 38.1	6.09 S	128.84 E	333 ?		0.3	6	BANDA SEA
12	03 37 40.7	38.355 N	21.884 E	15	3.9	1.3	36	GREECE. ML 3.7 (TIR), 3.5 (ATH).
o 12	06 13 01.2	18.178 S	168.026 E	33 D	5.0 5.0	1.2	58	VANUATU ISLANDS
12	07 01 42.0	33.395 S	70.225 W	10 G		0.7	12	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
12	07 12 41.0	0.902 S	77.490 W	33 N	4.7 4.6	1.3	30	ECUADOR
12	08 49 06.2	18.911 S	69.323 W	141 *	4.4	1.4	9	NORTHERN CHILE
12	09 15 25.1	44.660 N	7.649 E	10 G		0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
12	09 21 02.6	32.727 S	71.602 W	10 G		0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
12	09 27 23.8	45.438 N	21.165 E	10 G		1.7	6	ROMANIA. MG 2.8 (BEO).
12	10 16 15.6	44.029 N	11.426 E	10 G		1.3	19	NORTHERN ITALY. ML 2.7 (VIE).
12	11 35 04.3	39.305 N	28.122 E	10 G		0.6	7	TURKEY
12	11 46 21.3	17.68 N	94.51 W	110 G		0.6	7	CHIAPAS, MEXICO
12	12 58 21.9	0.147 S	123.822 E	121 D	4.9	1.3	29	MINAHASSA PENINSULA, SULAWESI
12	13 08 40.2	63.236 N	151.056 W	12			53	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
12	13 38 16.1	31.418 S	69.270 W	133 ?		0.4	6	SAN JUAN PROVINCE, ARGENTINA
12	13 59 23.8	63.140 N	150.128 W	97			48	CENTRAL ALASKA. <AEIC>.
12	14 54 50.2	61.814 N	150.272 W	39			53	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
12	14 58 31.8	38.630 N	26.704 E	10 G		0.3	6	AEGEAN SEA
12	15 40 01.4	63.067 N	150.941 W	125			49	CENTRAL ALASKA. <AEIC>.
o 12	15 41 33.6	4.825 S	152.516 E	71	5.4	0.9	180	NEW BRITAIN REGION, P.N.G. Felt (IV) at Rabaul.
12	15 42 50.3	40.696 N	30.025 E	10 G		0.6	10	TURKEY. Felt at Izmit.
12	16 02 17.5	10.235 N	125.712 E	33 N	4.8 4.7	1.3	31	LEYTE, PHILIPPINE ISLANDS
12	16 24 17.0	37.947 S	178.869 E	118	4.9	1.1	63	OFF E. COAST OF N. ISLAND, N.Z.
12	17 44 19.9	39.57 N	20.97 E	10 G		1.6	4	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
12	17 48 56.6	39.221 N	25.457 E	10 G		0.8	34	AEGEAN SEA. ML 3.3 (ATH).
12	17 57 12.3	55.464 N	156.653 W	36	3.1		40	SOUTH OF ALASKA. <AEIC>. ML 3.4 (AEIC).
12	18 55 00.5	34.511 N	79.653 E	57 *	4.5	1.4	26	KASHMIR-XIJANG BORDER REGION
12	19 43 32.5	42.103 N	19.004 E	10 G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
12	19 59 09.7	45.604 N	7.029 E	5 G		0.3	5	NORTHERN ITALY. ML 2.1 (GEN).
12	20 24 00.6	40.766 N	29.643 E	10 G		0.4	5	TURKEY
12	20 55 23.0	44.76 N	6.46 E	10 G		0.0	4	FRANCE. ML 1.8 (GEN).
12	21 59 31.7	10.81 N	62.21 W	70 G		0.1	7	NEAR COAST OF VENEZUELA. MD 3.4 (TRN).
12	22 34 31.4	12.528 N	141.889 E	29 D	4.9	0.9	42	SOUTH OF MARIANA ISLANDS
12	23 12 11.8	19.541 N	69.890 W	55 *	3.9	0.7	16	DOMINICAN REPUBLIC REGION
12	23 39 44.1	44.135 N	12.095 E	10 G		0.4	5	NORTHERN ITALY
12	23 58 06.2	32.775 S	70.121 W	120 ?		0.4	12	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
o 13	00 12 56.5	7.270 S	128.621 E	159	5.6	0.8	292	BANDA SEA
13	01 13 12.3	65.730 N	154.971 W	10 G			20	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
f 13	02 33 51.8	45.578 N	151.560 E	30 G	6.1 6.6	1.1	509	KURIL ISLANDS. Ms 6.2 (BRK). Mo=1.3+10+19 Nm (PPT). Depth from broadband displacement seismograms.
13	02 51 06.3	45.507 N	151.755 E	43 D	5.0 5.2	0.8	95	KURIL ISLANDS
13	03 24 38.1	45.386 N	151.636 E	46 D	5.0 5.5	0.9	116	KURIL ISLANDS
13	03 35 02.7	45.414 N	151.840 E	33 N	4.9	1.0	53	KURIL ISLANDS
13	03 40 06.4	39.635 N	29.162 E	10 G		0.8	5	TURKEY
13	03 47 14.0	45.293 N	151.606 E	42 D	4.9 5.1	1.1	89	KURIL ISLANDS
13	03 51 37.0	45.79 N	151.66 E	33 N	4.4	0.9	14	KURIL ISLANDS
13	04 05 26.5	45.62 N	151.59 E	33 N	4.6	0.7	23	KURIL ISLANDS
13	04 08 54.8	45.341 N	151.720 E	46 D	4.9	0.9	61	KURIL ISLANDS
13	04 09 50.1	46.32 N	14.46 E	10 G		1.1	4	NORTHWESTERN BALKAN REGION. ML 2.3 (LJU).
13	04 33 00.1	45.92 N	151.51 E	33 N	4.6	1.4	21	KURIL ISLANDS
13	04 35 48.3	59.672 N	152.829 W	87			47	SOUTHERN ALASKA. <AEIC>.
13	04 48 17.4	34.216 S	117.691 E	10 G	4.4	1.4	12	WESTERN AUSTRALIA
13	05 08 49.1	53.39 N	152.62 E	400 G	3.5	0.7	12	SEA OF OKHOTSK
o 13	05 45 29.0	45.567 N	151.530 E	26 G	6.0 5.7	0.8	459	KURIL ISLANDS. Ms 5.8 (BRK). Two events about 1.5 seconds apart. Depth from broadband displacement seismograms, based on first event.
13	05 48 14.9	60.764 N	151.541 W	59	2.7		76	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
13	06 51 26.7	60.629 N	149.692 W	38			54	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
13	07 06 15.1	45.268 N	151.709 E	30 D	4.9 4.7	1.1	77	KURIL ISLANDS
13	07 20 40.6	45.306 N	151.599 E	48 D	4.9	1.0	79	KURIL ISLANDS
13	07 35 08.8	40.190 N	21.531 E	10 G		0.6	8	GREECE
o 13	08 00 10.3	45.491 N	151.775 E	44 D	5.5 5.2	0.9	230	KURIL ISLANDS
13	08 08 03.2	45.305 N	151.696 E	45 D	5.1	1.1	93	KURIL ISLANDS

a	13	10 32 04.5	7.494 N	124.874 E	32 D	5.1 4.6	1.1	72	MINDANAO, PHILIPPINE ISLANDS
	13	11 41 45.8	35.839 N	90.092 W	5 G		0.4	7	ARKANSAS. MD 2.8 (GS). Felt (IV) at Blytheville and (III) at Dell and Manila.
	13	11 43 41.8?	8.18 S	127.81 E	116 ?	4.5	1.5	5	TIMOR REGION, INDONESIA
	13	11 48 11.8?	36.668 N	121.337 W	3			21	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	13	12 02 04.9	45.554 N	21.097 E	10 G		1.2	11	ROMANIA. MG 3.3 (BEO).
	13	12 15 02.5	45.421 N	151.770 E	33 N	4.7	1.1	37	KURIL ISLANDS
	13	12 27 52.3+	45.169 N	151.974 E	33 N	4.7	0.9	38	KURIL ISLANDS
	13	12 39 49.8+	41.470 N	22.304 E	10 G		0.4	5	NORTHWESTERN BALKAN REGION. ML 2.1 (SKO).
	13	12 40 48.5	45.946 N	2.808 E	10 G		0.4	16	FRANCE. ML 2.3 (STR), 2.3 (LDG).
	13	12 40 59.4?	44.94 N	152.01 E	33 N	4.2	1.4	11	EAST OF KURIL ISLANDS
	13	13 08 43.7?	44.71 N	152.29 E	33 N	3.3	1.4	5	EAST OF KURIL ISLANDS
	13	13 37 29.5	21.566 S	170.531 E	160 D	5.0	1.1	88	LOYALTY ISLANDS REGION
	13	14 20 25.6?	44.78 N	151.89 E	33 N	4.1	1.2	12	EAST OF KURIL ISLANDS
	13	14 38 07.3?	45.73 N	151.40 E	33 N	4.1	1.7	4	KURIL ISLANDS
	13	14 41 32.3+	45.582 N	151.719 E	33 N	5.0	1.0	18	KURIL ISLANDS
	13	14 51 47.7+	45.206 N	151.862 E	33 N	4.7	1.0	26	KURIL ISLANDS
	13	15 14 14.0?	43.060 N	0.667 W	5 G		0.1	9	PYRENEES. ML 1.0 (STR).
	13	15 26 06.4?	40.361 N	23.199 E	10 G		0.8	7	GREECE
	13	15 30 43.9+	45.161 N	151.786 E	42 D	4.8 4.5	1.3	52	KURIL ISLANDS
	13	15 33 24.0	45.338 N	151.826 E	45 D	5.0 4.4	1.1	78	KURIL ISLANDS
	13	15 44 52.8	44.980 N	151.539 E	49 D	5.2 4.5	1.0	129	EAST OF KURIL ISLANDS
	13	16 27 49.8+	17.691 N	145.537 E	273 *	4.6	0.5	13	MARIANA ISLANDS
	13	16 36 55.8	45.378 N	151.506 E	48 D	4.8	0.9	62	KURIL ISLANDS
	13	16 38 15.0?	62.861 N	149.152 W	74			84	CENTRAL ALASKA. <AEIC>.
	13	17 00 05.7	45.184 N	151.897 E	47 D	5.0	1.0	87	KURIL ISLANDS
	13	17 24 47.5	45.558 N	151.183 E	46 D	4.9 4.3	0.9	70	KURIL ISLANDS
	13	17 59 07.8?	37.525 S	178.183 E	33 N		0.5	7	OFF E. COAST OF N. ISLAND, N.Z.
	13	18 12 07.3?	42.646 N	13.351 E	10 G		0.2	5	CENTRAL ITALY
	13	18 17 10.1+	7.900 N	126.606 E	109 ?	4.8	1.0	24	MINDANAO, PHILIPPINE ISLANDS
	13	18 23 22.1?	15.042 N	60.671 W	33 N		0.6	7	LEEWARD ISLANDS
	13	18 28 46.3	45.092 E	151.805 E	43 D	5.0	1.1	69	KURIL ISLANDS
	13	18 55 52.1	9.859 N	126.258 E	83 ?	5.1	1.0	45	MINDANAO, PHILIPPINE ISLANDS
f	13	18 59 06.5	45.521 N	151.707 E	19 G	6.1 6.4	0.9	536	KURIL ISLANDS. Ms 6.1 (BRK). Mo=6.3*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	13	19 21 26.7	45.288 N	151.571 E	45 D	5.4 5.5	1.0	202	KURIL ISLANDS
	13	19 32 19.5+	40.968 N	18.332 E	33 N		0.6	6	ADRIATIC SEA. MD 3.4 (ATH).
	13	19 41 13.5	45.386 N	151.643 E	43 D	5.1 5.5	0.8	85	KURIL ISLANDS
a	13	19 55 09.5	45.435 N	151.270 E	48 D	5.9 6.3	0.9	461	KURIL ISLANDS. Mo=5.0*10**18 Nm (PPT).
a	13	19 58 18.5	45.439 N	151.427 E	20 G	6.1 6.4	0.8	280	KURIL ISLANDS. Depth from broadband displacement seismograms.
	13	20 12 50.5	45.546 N	151.736 E	43 D	4.9	1.0	65	KURIL ISLANDS
	13	20 39 41.7	45.114 N	151.505 E	38 D	5.0 5.4	1.0	111	KURIL ISLANDS
	13	20 40 29.4?	46.31 N	151.09 E	43 D	5.0	0.7	39	KURIL ISLANDS
	13	21 05 51.7+	45.130 N	151.726 E	33 N	4.7	1.6	27	KURIL ISLANDS
	13	21 06 11.0	45.260 N	151.577 E	41 D	5.1	0.8	102	KURIL ISLANDS
	13	22 03 18.2+	44.911 N	151.774 E	33 N	4.6	1.1	28	EAST OF KURIL ISLANDS
	13	22 12 43.3	12.522 N	141.980 E	43	5.3 4.7	1.0	82	SOUTH OF MARIANA ISLANDS
	13	22 45 17.9	45.114 N	151.409 E	49 D	5.0 4.4	1.1	91	KURIL ISLANDS
	13	23 31 41.7+	45.219 N	151.335 E	33 N	4.6	1.0	30	KURIL ISLANDS
	14	00 03 54.8+	31.711 S	70.523 W	120 G		0.4	12	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
	14	00 07 57.2	23.117 S	66.531 W	210	5.0	1.1	106	JUJUY PROVINCE, ARGENTINA
	14	00 14 41.0	45.488 N	151.609 E	34 D	5.1 4.7	1.0	130	KURIL ISLANDS
	14	00 44 54.4+	46.242 N	11.600 E	10 G		0.2	5	NORTHERN ITALY. ML 2.1 (VIE).
	14	01 56 52.8	45.283 N	151.719 E	45 D	5.0 4.3	1.1	81	KURIL ISLANDS
	14	02 42 11.9?	34.46 S	70.40 W	10 G		0.2	5	CHILE-ARGENTINA BORDER REGION
	14	02 52 36.7?	39.92 N	30.41 E	10 G		1.6	4	TURKEY
	14	03 04 24.0?	39.821 N	30.498 E	10 G		1.1	8	TURKEY
	14	04 15 01.7?	44.52 N	6.85 E	10 G		0.4	4	FRANCE. ML 2.0 (GEN).
	14	04 27 04.5?	15.81 N	97.84 W	33 N		0.6	6	NEAR COAST OF OAXACA, MEXICO
	14	04 36 33.0?	47.17 N	0.01 E	10 G		0.3	4	FRANCE. ML 1.9 (LDG).
	14	04 43 19.2?	44.69 N	152.30 E	33 N	4.5	0.8	9	EAST OF KURIL ISLANDS
	14	05 53 05.5+	35.044 N	57.590 E	33 N	4.9 4.4	1.6	14	NORTHERN IRAN. ML 5.0 (TEH). Felt at Kashmar.
	14	06 20 09.6+	20.337 S	168.139 E	43 D	4.7 4.6	1.1	32	LOYALTY ISLANDS
	14	07 00 37.8?	14.77 N	60.80 W	33 N		0.3	4	WINDWARD ISLANDS. ML 1.8 (FDF).
	14	07 04 57.1	23.768 N	94.601 E	97	4.4	0.8	35	MYANMAR-INDIA BORDER REGION
	14	07 43 28.3?	47.196 N	0.118 W	10 G		0.7	7	FRANCE. ML 2.0 (LDG).
	14	08 15 24.2+	16.157 N	120.924 E	33 N	4.6	1.2	17	LUZON, PHILIPPINE ISLANDS
	14	08 20 23.8	33.976 N	88.840 E	33 N	5.1 4.6	1.4	67	XIJANG
	14	09 03 26.0?	46.36 N	1.86 E	10 G		0.4	4	FRANCE. ML 1.5 (LDG).
	14	09 32 09.1?	10.47 N	61.71 W	10 G		0.5	4	TRINIDAD. MD 2.9 (TRN).
	14	09 54 55.6	37.691 N	15.109 E	10 G		1.4	19	SICILY. ML 3.4 (ROM).
	14	10 13 04.7?	16.80 N	103.04 W	33 N		0.1	5	OFF COAST OF MICHOACAN, MEXICO
	14	10 24 12.8?	34.27 S	72.18 W	33 N		0.4	7	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	14	10 30 12.7	27.592 N	56.355 E	33 N	4.5	0.8	32	SOUTHERN IRAN
	14	10 43 21.5?	44.69 N	152.40 E	33 N	4.5	1.4	5	EAST OF KURIL ISLANDS
	14	11 35 58.5+	16.655 N	94.441 W	116 ?	3.4	1.6	11	OAXACA, MEXICO
	14	11 54 17.7?	42.26 N	1.88 E	10 G		1.4	7	PYRENEES. ML 2.9 (LDG).
	14	11 56 44.4?	34.29 N	6.90 W	10 G		0.4	4	MOROCCO. MD 2.5 (RBA).
	14	12 10 46.8	51.494 N	7.500 E	10 G		1.1	24	GERMANY. ML 3.3 (LDG), 3.0 (BNS).
	14	12 28 32.7	40.725 N	27.472 E	10 G		1.1	26	TURKEY. MD 3.5 (ATH).
	14	13 20 35.3?	30.90 S	177.00 W	33 N	4.9	1.4	12	KERMADEC ISLANDS, NEW ZEALAND
	14	13 22 21.7+	7.615 S	75.816 W	154 *	4.3	0.7	13	NORTHERN PERU
	14	13 30 53.4	50.626 N	1.827 E	10 G		1.1	39	FRANCE. ML 4.0 (LDG), 3.9 (STR).
	14	13 48 21.8?	36.452 N	121.057 W	7		1.6	16	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	14	14 11 49.3?	32.828 S	71.185 W	50 ?		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
	14	14 12 02.0+	23.942 N	122.978 E	24 *	3.8	1.0	7	TAIWAN REGION
	14	14 29 18.5?	60.978 N	151.424 W	12			42	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
	14	14 29 57.0	43.775 N	17.566 E	10 G		1.2	35	NORTHWESTERN BALKAN REGION. ML 3.2 (TTG), 3.1 (TIR), 2.7 (LJU).
	14	14 30 43.4	33.231 N	47.607 E	23 D	4.9	1.1	165	WESTERN IRAN. Felt at Kuhdasht.
	14	14 59 31.0?	44.55 N	152.52 E	33 N	4.4	0.9	6	EAST OF KURIL ISLANDS
	14	15 33 50.8+	31.394 S	69.188 W	134 ?		0.9	13	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).



14	15	42	24.0	38.720	N	21.132	E	10	G	0.6	13	GREECE. MD 3.1 (ATH).		
14	16	32	46.67	45.25	N	152.00	E	33	N	4.3	1.2	10	EAST OF KURIL ISLANDS	
14	16	39	09.17	44.59	N	152.07	E	33	N		1.1	7	EAST OF KURIL ISLANDS	
14	17	38	08.5	45.338	N	151.835	E	33	N	4.6	0.8	27	KURIL ISLANDS	
14	18	00	39.37	45.02	N	151.08	E	33	N	4.5	1.6	9	KURIL ISLANDS	
14	18	07	02.6	0.182	S	124.839	E	79	*	4.9	1.2	35	SOUTHERN MOLUCCA SEA	
14	18	20	38.4	38.185	N	23.069	E	13		3.7	1.1	25	GREECE. MD 3.6 (ATH).	
o 14	18	49	48.6	1.632	N	127.131	E	129		5.3	1.0	90	HALMAHERA, INDONESIA	
14	20	41	21.37	42.565	N	12.846	E	10	G		1.4	8	CENTRAL ITALY	
14	21	38	44.9	41.267	N	15.191	E	15			1.4	29	SOUTHERN ITALY. MD 3.4 (ROM).	
14	21	57	50.27	44.57	N	152.49	E	33	N	3.6	1.6	4	EAST OF KURIL ISLANDS	
14	22	21	22.5	40.653	N	22.972	E	10	G		0.2	9	GREECE	
14	23	37	09.88	56.042	N	153.311	W	10	G	4.9	4.4	130	KODIAK ISLAND REGION. <AEIC>. ML 4.9 (AEIC).	
14	23	41	56.47	17.28	N	101.34	W	33	N		1.5	5	NEAR COAST OF GUERRERO, MEXICO	
14	23	47	40.5	18.231	N	105.067	W	33	N	4.2	1.2	17	OFF COAST OF JALISCO, MEXICO	
15	00	22	27.2	37.528	N	71.939	E	33	N	4.0	0.6	9	AFGHANISTAN-TAJIKISTAN BORD REG.	
15	02	19	49.9	39.556	N	20.498	E	10	G		1.2	24	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).	
15	02	27	42.57	49.54	S	115.30	W	10	G	4.7	4.9	1.4	12	SOUTHERN EAST PACIFIC RISE
15	03	38	32.4	17.485	N	61.838	W	33	N		0.3	11	LEEWARD ISLANDS. MD 2.9 (TRN). ML 2.7 (FDF).	
15	04	03	22.6	26.970	S	26.650	E	5	G		0.9	6	REPUBLIC OF SOUTH AFRICA. mbLg 3.6 (BUL).	
15	05	17	39.4	43.385	N	126.718	W	10	G	2.9	0.8	64	OFF COAST OF OREGON. MD 3.3 (GS).	
15	05	37	08.2	44.976	N	151.454	E	25	D	4.8	4.3	1.2	60	EAST OF KURIL ISLANDS
15	05	52	20.8	39.216	N	16.200	E	10	G	4.0	1.1	105	SOUTHERN ITALY. ML 4.2 (TTG), 4.1 (TIR), 4.0 (ROM). Slight damage in Casenza Province.	
15	06	07	08.87	39.166	N	16.021	E	10	G		0.7	6	SOUTHERN ITALY	
15	06	12	59.3	36.486	S	98.518	W	10	G	4.9	5.0	1.4	27	SOUTHERN PACIFIC OCEAN
o 15	06	36	38.4	30.434	S	177.921	W	56	D	5.6	1.1	190	KERMADEC ISLANDS, NEW ZEALAND. mb 5.9 (BRK). Mo=5.0*10**17 Nm (PPT).	
15	06	38	11.6	17.506	N	93.855	W	172	*	4.3	1.3	28	CHIAPAS, MEXICO	
15	06	57	40.57	40.672	N	23.035	E	5	G		0.9	6	GREECE	
15	07	05	35.5	45.474	N	3.697	E	5	G		1.0	17	FRANCE. ML 2.5 (LDG), 2.3 (STR).	
15	07	13	25.3	29.652	N	131.469	E	33	N	4.4	4.2	1.4	18	SOUTHEAST OF RYUKYU ISLANDS
15	07	20	42.57	32.296	S	70.238	W	104	?		0.5	10	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).	
15	07	36	41.77	15.256	N	60.593	W	33	N		0.3	7	LEEWARD ISLANDS. ML 2.8 (FDF).	
15	07	37	02.9	4.764	N	77.294	W	28	D	4.8	4.5	1.2	66	NEAR WEST COAST OF COLOMBIA
15	09	03	44.47	44.23	N	152.47	E	33	N	4.4	1.5	6	EAST OF KURIL ISLANDS	
15	09	08	28.87	44.67	N	152.10	E	33	N	4.2	1.6	5	EAST OF KURIL ISLANDS	
15	09	49	44.3	41.357	N	126.125	W	10	G	3.4	1.2	13	OFF COAST OF NORTHERN CALIFORNIA. MD 3.7 (GM).	
o 15	10	16	58.5	45.119	N	151.366	E	33	N	5.7	5.3	1.0	316	KURIL ISLANDS. Mo=5.0*10**17 Nm (PPT).
15	10	23	11.08	59.961	N	153.180	W	131				54	SOUTHERN ALASKA. <AEIC>.	
15	11	31	47.6	45.199	N	151.267	E	31	D	4.6	4.4	1.2	22	KURIL ISLANDS
15	11	37	09.8	45.522	N	151.956	E	43	D	4.8	1.0	71	KURIL ISLANDS	
15	11	50	38.9	40.992	N	2.127	E	10	G		1.0	78	BALEARIC ISLANDS. ML 4.4 (STR), 4.3 (LDG). mbLg 3.8 (MDD). Felt (IV) in the epicentral area.	
15	12	21	12.1	45.613	N	151.122	E	33	N	4.5	1.0	23	KURIL ISLANDS	
15	13	02	54.3	24.003	N	123.530	E	65	*	4.3	0.9	19	SOUTHWESTERN RYUKYU ISLANDS	
15	13	49	12.6	4.174	S	146.263	E	31	*	4.8	0.3	11	EASTERN NEW GUINEA REG., P.N.G.	
15	14	33	33.8	28.298	S	69.550	W	93	*	4.3	1.6	25	CHILE-ARGENTINA BORDER REGION	
15	15	18	48.1	62.204	N	17.518	E	10	G		1.4	6	SWEDEN. MD 3.4 (BER). Felt along the coast of Medelpad.	
15	15	30	30.0	42.418	N	2.769	E	10	G		1.4	8	PYRENEES. ML 2.9 (LDG).	
15	15	59	32.8	29.970	N	93.928	E	33	N	4.8	1.6	11	XIJANG	
15	17	21	14.17	45.61	N	151.05	E	33	N	4.4	1.4	12	KURIL ISLANDS	
15	17	24	08.97	40.95	N	22.81	E	10	G		0.2	4	GREECE	
15	17	42	09.6	11.928	N	142.705	E	20	D	5.0	1.0	39	SOUTH OF MARIANA ISLANDS	
15	18	03	18.87	22.33	S	67.20	W	182	?		1.0	6	CHILE-BOLIVIA BORDER REGION	
15	18	17	38.47	45.89	N	151.25	E	33	N	4.1	1.3	6	KURIL ISLANDS	
15	18	19	04.37	44.675	N	6.802	E	10	G		0.6	11	FRANCE. ML 2.2 (GEN), 2.0 (LDG).	
15	18	21	34.17	29.79	S	67.29	W	120	G		1.5	5	LA RIOJA PROVINCE, ARGENTINA	
15	18	50	51.4	57.990	N	143.114	W	10	G	3.1	0.6	48	GULF OF ALASKA. ML 3.4 (AEIC).	
15	18	51	25.2	45.329	N	151.562	E	33	N	4.6	1.2	56	KURIL ISLANDS	
o 15	18	56	05.6	17.521	S	70.422	W	104	D	5.6	1.1	295	NEAR COAST OF PERU. mb 5.7 (BRK). Mo=7.9*10**17 Nm (PPT). Felt (V) at Tacno and (IV) at Arequipa. Also felt (IV) at Arico, Chile.	
15	19	17	28.0	38.950	N	20.904	E	10	G		1.2	23	GREECE	
15	19	27	18.57	40.651	N	29.061	E	10	G		0.3	8	TURKEY	
15	20	00	47.7	7.149	S	125.174	E	525		4.8	0.8	50	BANDA SEA	
15	20	00	50.7	37.646	N	15.115	E	5	G	4.5	1.4	114	SICILY. ML 4.3 (TIR), 4.1 (TTG). MD 4.2 (ROM).	
15	20	09	03.7	40.217	N	20.637	E	10	G		0.8	11	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH).	
15	20	41	11.07	47.249	N	0.107	E	10	G		1.2	11	FRANCE. ML 2.7 (LDG).	
15	20	50	21.17	45.63	N	151.66	E	33	N	4.9	0.9	12	KURIL ISLANDS	
15	20	51	35.37	14.57	N	94.38	W	33	N		1.3	4	OFF COAST OF CHIAPAS, MEXICO	
15	20	56	46.37	40.653	N	29.125	E	10	G		0.5	8	TURKEY	
15	20	57	19.87	59.220	N	152.193	W	66				45	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).	
15	21	23	13.18	63.112	N	150.461	W	122		3.3		87	CENTRAL ALASKA. <AEIC>.	
15	21	47	00.6	45.299	N	151.992	E	46	D	5.1	4.7	1.0	187	KURIL ISLANDS
15	22	14	53.18	45.995	N	118.329	W	8				52	OREGON. <SEA>. MD 3.3 (SEA). Felt (IV) at Milton-Freewater, Oregon. Also felt at College Place and Walla Walla, Washington.	
15	22	28	11.57	44.66	N	6.83	E	5	G		0.2	4	FRANCE. ML 2.1 (GEN).	
15	22	32	40.4	43.748	N	13.214	E	12			1.3	39	CENTRAL ITALY. ML 3.5 (LDG), 3.4 (VIE). MD 3.4 (ROM).	
15	22	37	36.17	44.457	S	167.594	E	11			0.6	10	SOUTH ISLAND, NEW ZEALAND	
15	23	28	05.7	47.283	N	151.371	E	148	D	4.8	0.8	126	KURIL ISLANDS	
15	23	34	07.9	42.049	N	8.076	W	10	G		0.8	8	SPAIN. mbLg 3.3 (MDD). Felt (IV) in the Sierra de Laboreiro Mountain area.	
15	23	36	42.7	46.307	N	13.238	E	10	G		1.6	5	AUSTRIA. ML 1.8 (VIE).	
16	01	39	02.3	33.840	N	25.175	E	10	G		0.6	8	EASTERN MEDITERRANEAN SEA. MD 3.9 (ATH).	
16	01	56	37.4	39.287	N	23.098	E	14			1.1	33	AEGEAN SEA. ML 3.7 (TIR), 3.3 (ATH).	
16	02	24	56.5	38.811	N	26.242	E	10	G		0.9	9	AEGEAN SEA. MD 3.4 (ATH).	
16	03	15	05.78	66.055	N	151.047	W	0	G			17	NORTHERN ALASKA. <AEIC>. ML 3.3 (PMR), 3.0 (AEIC).	
16	03	55	02.4	23.739	N	95.768	E	33	N		1.0	9	MYANMAR	
16	03	59	44.9	37.630	N	19.873	E	10	G		0.8	13	IONIAN SEA	
16	04	26	59.37	43.232	N	8.118	E	10	G		0.0	5	CORSICA. ML 2.3 (LDG).	
16	04	33	19.1	43.953	N	7.623	E	10	G		0.6	20	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG), 2.2 (GEN).	

16	04 46 27.3	41.303 S	173.906 E	72 *	0.8	20	SOUTH ISLAND, NEW ZEALAND
o 16	04 47 43.1	53.053 N	159.605 E	38 D 5.2 4.8	1.0	222	NEAR EAST COAST OF KAMCHATKA
16	04 55 31.5?	14.64 S	75.66 W	82 * 3.7	1.2	10	NEAR COAST OF PERU. Felt (IV) at Ica.
16	06 59 47.1&	63.204 N	151.655 W	14		47	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC)
16	08 24 19.1?	30.51 S	177.55 W	33 N 5.1	1.7	16	KERMADEC ISLANDS, NEW ZEALAND
16	08 27 21.3?	43.63 N	12.02 E	10 G	0.8	4	CENTRAL ITALY
16	08 45 20.2	41.113 N	20.052 E	12	1.1	20	ALBANIA. ML 2.7 (TIR), 2.7 (TTG).
16	10 11 57.7*	35.370 N	3.553 W	10 G	1.7	7	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
16	11 05 39.5*	16.829 N	93.843 W	154 * 4.1	1.2	16	CHIAPAS, MEXICO
16	11 47 43.1*	29.766 S	71.034 W	123 *	1.4	21	NEAR COAST OF CENTRAL CHILE
16	13 19 07.0*	45.186 N	151.957 E	33 N 4.6	1.1	14	KURIL ISLANDS
16	13 27 15.8*	44.959 N	17.284 E	10 G	1.5	7	NORTHWESTERN BALKAN REGION
16	13 37 46.2	6.793 N	72.939 W	166 4.6	0.9	35	NORTHERN COLOMBIA
16	14 03 46.9?	41.25 N	22.48 E	10 G	0.4	4	NORTHWESTERN BALKAN REGION. ML 1.7 (SKO).
16	14 42 29.9?	39.98 N	23.98 E	10 G	1.5	4	AEGEAN SEA
16	15 07 31.1	8.814 S	118.853 E	128 * 4.8	1.2	36	SUMBAWA REGION, INDONESIA
16	15 07 59.6%	40.472 N	23.672 E	5 G	0.3	5	GREECE
16	15 17 56.1	1.296 N	100.104 E	236 4.9	0.9	30	NORTHERN SUMATERA, INDONESIA
16	15 35 08.8*	67.817 N	10.414 E	33 N	1.4	10	NORWEGIAN SEA. MD 3.7 (BER).
16	15 58 04.4	1.005 N	121.834 E	40 * 4.9	1.0	45	MINAHASSA PENINSULA, SULAWESI
16	17 25 49.4*	33.869 N	24.979 E	10 G	1.5	8	CENTRAL MEDITERRANEAN SEA. MD 3.8 (ATH).
16	17 54 13.8*	5.323 S	129.858 E	206 ? 4.9	0.4	11	BANDA SEA
16	18 40 58.3?	44.35 N	7.41 E	10 G	0.1	4	NORTHERN ITALY. ML 1.2 (GEN).
16	18 51 15.8*	45.786 N	151.219 E	33 N 4.2	1.3	12	KURIL ISLANDS
16	18 52 00.6*	40.603 N	21.633 E	10 G	0.9	6	GREECE
16	19 48 38.1?	11.34 S	118.00 E	33 N 4.1	1.4	11	SOUTH OF SUMBAWA, INDONESIA
16	20 03 43.5?	44.30 N	7.38 E	10 G	0.1	4	NORTHERN ITALY. ML 1.1 (GEN).
16	20 26 12.0&	60.733 N	150.723 W	44		65	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.4 (PMR), 2.9 (AEIC).
16	21 00 13.3?	43.39 N	19.42 E	10 G	0.7	9	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
16	21 11 59.7%	31.972 S	69.041 W	100 G	0.5	5	SAN JUAN PROVINCE, ARGENTINA
16	21 16 01.4%	45.532 N	0.892 E	10 G	1.1	8	FRANCE. ML 2.5 (LDG).
16	21 30 01.5	6.483 S	129.307 E	215 ? 4.8	0.9	18	BANDA SEA
16	21 31 59.6%	17.587 N	100.446 W	33 N	1.0	5	GUERRERO, MEXICO
16	21 39 17.3	40.995 N	22.363 E	10 G	0.7	8	GREECE
16	22 11 50.9*	30.631 S	177.485 W	39 D 5.1	1.6	46	KERMADEC ISLANDS, NEW ZEALAND
16	22 16 34.7*	12.961 N	141.772 E	21 D 5.1	1.1	25	SOUTH OF MARIANA ISLANDS
16	22 47 52.1?	10.85 N	62.37 W	70 G	0.1	4	NEAR COAST OF VENEZUELA. MD 2.9 (TRN).
16	23 58 39.3?	37.82 N	29.87 E	10 G	0.6	4	TURKEY
17	00 50 28.2	41.295 S	172.815 E	168 *	0.4	19	SOUTH ISLAND, NEW ZEALAND
17	01 33 37.3*	24.288 N	122.317 E	33 N 3.9	1.6	7	TAIWAN REGION
17	01 47 56.0?	13.93 N	93.25 W	33 N	1.6	7	OFF COAST OF CHIAPAS, MEXICO
o 17	01 50 19.0	3.611 S	102.034 E	72 D 5.6	1.0	258	SOUTHERN SUMATERA, INDONESIA
17	02 44 33.7?	30.19 S	178.60 W	421 ? 3.2	1.7	14	KERMADEC ISLANDS, NEW ZEALAND
17	03 08 59.7%	15.435 N	98.015 W	33 N	0.9	7	OFF COAST OF GUERRERO, MEXICO
17	03 13 36.9%	35.882 N	4.564 W	10 G	0.6	6	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
17	03 37 30.7?	31.53 S	69.13 W	110 G	0.2	4	SAN JUAN PROVINCE, ARGENTINA
o 17	03 41 00.1	62.551 S	155.054 E	10 G 5.2 6.1	1.2	70	BALLENY ISLANDS REGION
17	04 23 03.6	43.218 N	145.552 E	55 D 5.2	0.9	241	HOKKAIDO, JAPAN REGION
17	04 35 47.4*	45.054 N	151.375 E	33 N 4.9 4.6	0.9	35	KURIL ISLANDS
17	06 09 25.8?	38.09 N	15.06 E	10 G	0.8	4	SICILY
17	06 22 37.9*	45.484 N	21.105 E	10 G	1.0	8	ROMANIA. MG 3.4 (BEO).
a 17	06 38 17.3	47.393 N	151.499 E	157 G 5.8	0.9	537	KURIL ISLANDS. mb 5.7 (BRK). Depth from broadband displacement seismograms.
17	07 47 29.8?	19.61 N	104.64 W	33 N	1.7	6	NEAR COAST OF JALISCO, MEXICO
17	08 36 33.1?	46.63 N	150.99 E	33 N 4.2	0.6	7	KURIL ISLANDS
17	08 43 39.1	3.173 S	75.689 W	139 D 4.7	0.8	100	NORTHERN PERU
17	09 03 04.0*	12.515 S	166.979 E	286 ? 4.3	1.2	44	SANTA CRUZ ISLANDS
17	10 47 50.7&	62.391 N	150.721 W	81		45	CENTRAL ALASKA. <AEIC>.
17	11 09 48.9	45.281 N	151.959 E	41 D 5.0 4.6	1.1	102	KURIL ISLANDS
17	11 40 35.0?	15.14 S	173.55 W	33 N 5.0	1.0	21	TONGA ISLANDS
17	12 44 42.2	45.154 N	151.396 E	42 D 4.8 4.3	1.1	71	KURIL ISLANDS
17	12 59 51.1	18.342 N	61.375 W	13 4.7	0.9	38	LEEWARD ISLANDS. MD 4.7 (TRN). ML 4.3 (FDF).
17	13 42 34.4&	46.648 N	112.157 W	10		8	MONTANA. <BUT>. ML 2.0 (BUT). Felt in the area just north of Helena.
17	14 19 12.3*	24.129 S	68.220 W	82 * 4.3	1.4	23	CHILE-ARGENTINA BORDER REGION
17	14 57 46.8%	44.751 N	7.189 E	5 G	0.1	6	NORTHERN ITALY. ML 1.8 (GEN).
17	17 01 33.0?	46.68 S	166.77 E	33 N	0.6	12	OFF W. COAST OF S. ISLAND, N.Z.
17	17 49 53.3%	40.460 N	23.588 E	10 G	0.4	5	GREECE
17	18 13 40.5&	37.932 N	122.292 W	5		11	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt at Albany, Berkeley, El Cerrito, Emeryville, Pinole and Richmond.
17	19 52 29.9	9.342 N	127.054 E	33 N 4.8	1.1	38	PHILIPPINE ISLANDS REGION
17	20 27 49.6	33.990 N	88.904 E	33 N 4.6	1.4	25	XIJANG
17	20 53 55.0%	40.491 N	23.562 E	10 G	0.3	5	GREECE
17	21 17 10.5	40.963 N	22.802 E	10 G	0.6	9	GREECE. ML 2.0 (SKO).
17	23 24 56.5*	51.121 N	15.935 E	10 G	0.6	5	POLAND
17	23 49 54.5	44.333 N	83.727 E	17 D 4.9 4.2	1.0	50	NORTHERN XINJIANG, CHINA
18	01 31 41.0?	17.932 N	66.600 W	12	0.1	8	PUERTO RICO REGION
18	02 57 54.3	38.381 N	22.181 E	14 4.1	1.2	47	GREECE. MD 3.8 (ATH).
18	04 47 10.5	10.447 N	62.423 W	138 4.1	1.0	31	NEAR COAST OF VENEZUELA. MD 4.1 (TRN).
18	05 08 24.5	42.260 N	143.057 E	68 3.7	0.8	12	HOKKAIDO, JAPAN REGION
18	05 20 51.2%	44.693 N	6.787 E	10 G	0.4	6	FRANCE. ML 1.9 (GEN).
18	05 23 53.6%	38.021 N	16.003 E	10 G	1.4	9	SOUTHERN ITALY
18	06 58 42.5?	6.64 S	128.87 E	267 * 4.7	0.6	7	BANDA SEA
18	07 16 45.4&	59.530 N	151.628 W	46		32	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
18	07 54 21.7?	5.07 S	11.86 W	10 G 4.9	1.3	10	ASCENSION ISLAND REGION
18	09 02 13.5&	62.265 N	150.473 W	62		51	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
18	09 13 58.2%	30.799 S	67.387 W	33 N	0.7	6	SAN JUAN PROVINCE, ARGENTINA
18	10 01 09.6	45.393 N	151.433 E	32 D 5.1	0.9	97	KURIL ISLANDS
18	10 15 46.4?	39.14 N	27.53 E	10 G	0.5	4	TURKEY
18	10 24 12.1*	45.920 N	21.656 E	10 G 3.9	1.3	21	ROMANIA
18	10 47 42.8%	39.163 N	29.392 E	10 G	0.3	9	TURKEY

18	10 52 51.7&	60.030 N	153.510 W	136					43	SOUTHERN ALASKA. <AEIC>.
18	12 14 00.1*	17.235 N	62.301 W	120 ?		0.4			17	LEEWARD ISLANDS. MD 3.4 (TRN).
18	13 01 24.6*	17.443 N	61.945 W	33 N		0.6			5	LEEWARD ISLANDS. MD 2.8 (TRN).
18	13 08 14.9*	6.137 S	130.368 E	169 *	4.6	1.3			14	BANDA SEA
18	13 27 38.7	9.124 N	122.717 E	30 D	4.8 4.6	0.9			64	NEGROS, PHILIPPINE ISLANDS
18	13 36 41.8*	19.024 S	177.840 W	611 ?	5.1	1.0			39	FIJI ISLANDS REGION
18	13 44 04.1*	41.390 N	87.809 E	33 N	4.4	0.8			13	SOUTHERN XINJIANG, CHINA
18	14 07 55.7	33.242 N	141.096 E	33 N	4.8 4.1	1.2			48	OFF EAST COAST OF HONSHU, JAPAN
18	14 13 36.9&	60.102 N	152.218 W	80					40	SOUTHERN ALASKA. <AEIC>.
18	16 12 38.6*	2.614 S	139.042 E	33 N	4.4	1.4			17	NEAR NORTH COAST OF IRAN JAYA
18	16 42 21.5	36.596 N	49.650 E	33 N	4.6	1.1			43	WESTERN IRAN. Felt at Rudbar.
18	19 53 30.9?	45.84 N	2.90 E	10 G		0.1			5	FRANCE. ML 1.8 (LDG).
18	21 28 32.0*	38.311 N	21.553 E	10 G		1.7			16	GREECE. MD 3.2 (ATH).
18	21 36 47.9	41.936 N	106.917 W	5 G		1.1			10	WYOMING. ML 3.1 (GS).
a 18	21 43 48.4	9.273 N	124.075 E	519 D	5.3	0.9			114	MINDANAO, PHILIPPINE ISLANDS
18	21 48 35.3?	60.80 N	2.33 E	10 G		0.3			5	NORTH SEA. MD 1.9 (BER).
19	00 51 41.4*	45.369 N	151.610 E	33 N	4.4	1.4			13	KURIL ISLANDS
f 19	01 33 40.4	45.253 N	151.176 E	27 G	6.0 6.6	1.0			529	KURIL ISLANDS. Ms 6.4 (BRK). Ma=1.0*10**19 Nm (PPT). Felt (III) at Kurilsk. Two events about 1.6 seconds apart. Depth from broadband displacement seismograms, based on first event.
19	01 37 32.5	45.357 N	150.992 E	33 N	5.8	0.7			81	KURIL ISLANDS
19	01 53 01.7?	45.23 N	151.24 E	33 N	3.9	1.1			5	KURIL ISLANDS
19	02 43 29.8*	45.382 N	151.006 E	33 N	4.4	1.2			14	KURIL ISLANDS
19	02 54 35.4*	44.987 N	151.191 E	33 N	4.8	1.0			34	EAST OF KURIL ISLANDS
19	02 56 08.1&	58.127 N	142.487 W	10 G					6	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).
19	03 04 01.4*	45.869 N	11.786 E	10 G		1.0			6	NORTHERN ITALY. ML 2.3 (VIE).
19	03 12 22.2	45.907 N	21.569 E	10 G	4.3	1.0			116	ROMANIA. ML 4.5 (TTG), 4.3 (BRA). MD 4.2 (ATH). Felt (VI) in the epicentral area. Felt at Buzias. Also felt at Belgrade and Vrsac, Yugoslavia and in southeastern Hungary.
19	03 17 48.6%	33.688 S	71.117 W	62 ?		0.3			8	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).
19	04 19 43.7*	45.003 N	151.341 E	33 N	4.8	1.1			27	KURIL ISLANDS
19	04 41 37.2	48.973 N	128.770 W	10 G	5.0 5.6	0.9			177	VANCOUVER ISLAND REGION
19	04 44 07.8	48.938 N	128.710 W	10 G	5.3 5.6	1.3			152	VANCOUVER ISLAND REGION
19	04 45 44.6	48.928 N	128.555 W	10 G	5.3	0.9			79	VANCOUVER ISLAND REGION
19	04 46 52.2	45.297 N	151.433 E	42 D	5.2 5.3	0.9			66	KURIL ISLANDS
19	04 51 18.0?	45.16 N	151.03 E	33 N	4.2	1.5			7	KURIL ISLANDS
19	05 17 34.1&	61.754 N	150.623 W	64					26	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
19	05 26 36.3%	46.363 N	1.813 E	10 G		0.8			12	FRANCE. ML 2.2 (LDG).
19	05 30 21.4*	44.883 N	151.324 E	33 N	4.7	1.3			24	EAST OF KURIL ISLANDS
19	06 17 50.1?	45.35 N	150.89 E	33 N	4.0	1.7			6	KURIL ISLANDS
19	06 47 42.2	42.336 N	19.867 E	10 G		0.8			14	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
19	06 52 23.7	42.327 N	19.885 E	10 G		0.8			12	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG), 1.7 (TIR).
19	06 58 58.5*	44.911 N	151.172 E	33 N	4.8 4.4	1.3			27	EAST OF KURIL ISLANDS
19	07 20 01.5*	36.722 N	50.046 E	33 N	4.0	1.7			12	NORTHERN IRAN. Felt at Rudbar.
19	07 55 40.4*	37.347 S	176.557 E	283 *		0.6			32	NORTH ISLAND, NEW ZEALAND
19	08 08 23.0%	40.217 N	28.028 E	10 G		0.2			6	TURKEY
19	09 11 30.6	43.396 N	5.430 E	10 G		1.1			19	NEAR SOUTH COAST OF FRANCE. ML 3.2 (LDG), 3.0 (STR).
19	09 33 07.9*	43.575 N	128.401 W	10 G	2.9	0.4			43	OFF COAST OF OREGON
19	09 50 34.7?	39.16 N	27.45 E	10 G		0.6			4	TURKEY
19	10 07 21.2*	31.504 S	73.080 W	33 N		0.3			10	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
19	10 26 50.1	45.322 N	150.900 E	37 D	5.4	0.9			152	KURIL ISLANDS
19	11 29 21.9%	43.074 N	0.546 W	10 G		0.3			6	PYRENEES. ML 1.0 (STR).
19	11 33 22.7*	44.736 N	151.270 E	47 D	4.7 4.1	1.4			45	EAST OF KURIL ISLANDS
19	12 06 41.8*	22.028 S	66.002 W	283 *	3.9	1.4			11	JUJUY PROVINCE, ARGENTINA
19	12 34 59.9*	42.440 N	21.703 E	10 G		1.0			12	NORTHWESTERN BALKAN REGION. ML 2.5 (SKO).
19	12 35 07.7	32.065 S	178.857 W	94 D	5.4	1.4			78	SOUTH OF KERMADec ISLANDS
19	12 38 08.8?	45.79 N	150.63 E	33 N	4.7	0.7			13	KURIL ISLANDS
19	12 56 25.9*	39.973 N	25.724 E	10 G		1.2			6	AEGEAN SEA
19	13 15 41.6?	33.11 N	7.30 W	10 G		0.1			4	MOROCCO. MD 2.7 (RBA).
19	14 13 32.8*	12.297 N	87.826 W	33 N	4.8	1.3			20	NEAR COAST OF NICARAGUA
19	14 22 01.4?	52.41 N	167.44 W	33 N	4.3	1.7			9	FOX ISLANDS, ALEUTIAN ISLANDS
19	14 27 30.0	45.318 N	151.037 E	27 D	5.2 4.6	0.8			84	KURIL ISLANDS
19	14 35 22.8	37.481 N	2.660 W	10 G		1.1			16	SPAIN. mbLg 3.7 (MDD). Felt (IV) at Baza.
19	15 12 14.1	30.453 N	138.404 E	442 *	4.6	0.6			33	SOUTH OF HONSHU, JAPAN
19	16 21 42.6*	7.799 S	106.544 E	53 ?	4.8	1.1			11	JAWA, INDONESIA
19	16 41 03.3%	43.398 N	0.495 W	10 G		1.1			6	PYRENEES. ML 1.0 (STR).
19	16 45 56.2%	44.009 N	7.989 E	10 G		0.2			7	NORTHERN ITALY. ML 1.9 (GEN).
19	17 15 57.3&	19.014 N	155.225 W	15					21	HAWAII. <HVO-P>. ML 4.0 (HVO).
19	18 28 36.4?	8.48 S	116.78 E	33 N	4.2	1.6			7	SUMBAWA REGION, INDONESIA
a 19	18 55 17.4	28.102 N	57.304 E	27 D	5.3 4.8	1.1			249	SOUTHERN IRAN
19	19 05 20.2?	31.44 S	70.25 W	120 G		0.6			9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
19	19 14 43.7*	57.806 S	25.613 W	33 N	4.9	1.2			14	SOUTH SANDWICH ISLANDS REGION
19	20 21 08.6?	10.98 N	62.14 W	70 G		0.2			5	NEAR COAST OF VENEZUELA. MD 3.1 (TRN).
a 19	21 01 21.5	24.001 S	179.871 E	529 D	5.0	1.1			122	SOUTH OF FIJI ISLANDS
19	21 05 04.7?	39.19 N	28.20 E	10 G		0.4			4	TURKEY
19	21 53 39.5?	45.06 N	151.93 E	33 N	3.6	1.1			7	KURIL ISLANDS
19	22 03 40.4*	45.494 N	151.203 E	33 N	4.0	0.9			10	KURIL ISLANDS
19	22 27 16.5	6.769 N	72.956 W	166	4.5	0.8			32	NORTHERN COLOMBIA
19	22 36 15.2?	31.64 S	68.71 W	115 ?		0.9			5	SAN JUAN PROVINCE, ARGENTINA
19	22 42 33.0	6.041 N	82.584 W	33 N	5.2 4.6	1.1			65	SOUTH OF PANAMA
20	00 49 19.9	17.370 N	94.878 W	134 D	4.9	1.1			72	CHIAPAS, MEXICO
20	02 02 50.6%	44.002 N	7.649 E	5 G		0.1			5	NORTHERN ITALY. ML 1.6 (GEN).
a 20	02 03 04.4	16.095 S	173.571 W	79 D	5.1	1.0			77	TONGA ISLANDS. Ma=2.0*10**17 Nm (PPT).
a 20	02 06 05.3	24.720 N	93.103 E	41 D	5.3 4.8	1.0			203	MYANMAR-INDIA BORDER REGION. Felt in parts of Assam and Nagaland, India. Also felt in the Shillong area, India.
20	02 27 39.5?	31.85 S	70.03 W	120 G		0.5			9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
20	03 19 29.9&	35.530 N	117.370 W	7					23	CENTRAL CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt at Ridgecrest.
20	03 24 23.2&	40.373 N	124.158 W	35					34	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
20	04 25 56.1*	45.217 N	151.198 E	33 N	4.4	1.2			22	KURIL ISLANDS
20	04 50 34.1&	61.794 N	149.893 W	42					58	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).

20	05	11	43.8*	15.662 N	95.509 W	33 N	4.2	0.9	12	NEAR COAST OF OAXACA, MEXICO
20	06	17	53.7?	45.05 N	7.90 E	10 G		0.7	5	NORTHERN ITALY. ML 1.5 (GEN)
20	06	42	07.8*	48.833 N	128.740 W	10 G	3.5	46		VANCOUVER ISLAND REGION. <PGC-P>. ML 3.8 (PGC).
20	07	59	42.7*	4.913 S	151.178 E	140	5.2	0.6	18	NEW BRITAIN REGION, P.N.G.
20	08	11	08.8*	16.698 N	99.183 W	33 N		1.4	5	NEAR COAST OF GUERRERO, MEXICO
20	08	35	34.9?	6.38 S	150.95 E	33 N	4.9	0.9	9	NEW BRITAIN REGION, P.N.G. ML 4.7 (PMG).
o 20	08	35	37.3	45.133 N	151.248 E	48 D	5.8 5.6	1.0	338	KURIL ISLANDS Mo=1.3*10**18 Nm (PPT).
20	09	14	58.5?	44.92 N	151.43 E	33 N	4.7	1.2	11	EAST OF KURIL ISLANDS
20	09	53	13.5*	31.883 S	70.011 W	120 G		0.5	11	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
20	10	12	52.2?	37.69 S	176.34 E	333 ?		0.5	16	NORTH ISLAND, NEW ZEALAND
20	10	38	29.3*	35.530 N	117.370 W	8	3.6		34	CENTRAL CALIFORNIA. <PAS-P>. ML 4.1 (PAS), 4.4 (BRK). Felt at China Lake.
20	10	47	41.7*	2.696 N	128.615 E	236 ?	4.8	1.1	15	HALMAHERA, INDONESIA
20	11	39	31.8?	30.80 S	117.12 E	10 G		0.8	4	WESTERN AUSTRALIA
20	12	18	17.2*	46.552 N	2.939 E	5 G		0.8	11	FRANCE. ML 2.7 (LDG).
20	12	21	32.0?	10.42 N	60.53 W	60 G		0.4	6	TRINIDAD. MD 3.2 (TRN).
20	12	23	55.6*	46.482 N	2.982 E	5 G		0.2	9	FRANCE. ML 2.7 (LDG).
20	12	27	59.2?	46.46 N	3.01 E	5 G		0.1	4	FRANCE. ML 1.8 (LDG).
20	12	39	10.3*	46.486 N	2.980 E	5 G		0.2	8	FRANCE. ML 2.5 (LDG).
20	13	24	25.7?	40.88 N	23.93 E	10 G		0.0	4	GREECE
20	13	56	28.3*	15.517 S	173.264 W	33 N	4.9 4.8	1.3	23	TONGA ISLANDS
20	14	05	43.8?	46.76 N	143.09 E	33 N	4.6	1.2	8	SAKHALIN ISLAND
20	14	32	55.2*	9.420 S	125.443 E	33 N	4.5	1.3	14	TIMOR REGION, INDONESIA
20	14	48	40.8*	38.682 S	175.125 E	273 ?		0.4	18	NORTH ISLAND, NEW ZEALAND
20	15	09	10.8*	61.506 N	151.921 W	9			37	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
20	17	01	54.9*	44.331 N	7.267 E	10 G		0.4	5	NORTHERN ITALY. ML 1.2 (GEN).
20	18	00	26.8*	36.988 S	176.893 E	289 *	3.7	0.8	31	OFF E. COAST OF N. ISLAND, N.Z.
20	18	10	44.7	9.765 N	83.617 W	33 N	5.1	1.4	43	COSTA RICA. Felt (V) at Turrialba. Also felt in the Liman area.
20	19	49	05.6?	40.21 N	27.66 E	10 G		1.0	5	TURKEY
20	20	35	04.5?	31.29 S	68.89 W	90 G		0.8	4	SAN JUAN PROVINCE, ARGENTINA
20	22	17	34.2*	37.865 N	121.780 W	11			19	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt in the epicentral area.
20	22	28	11.7*	31.664 S	69.613 W	100 G		1.1	6	SAN JUAN PROVINCE, ARGENTINA
20	23	27	27.6*	40.514 N	123.567 W	30			7	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM).
21	01	18	44.1*	16.493 N	61.372 W	13 *		0.3	7	LEEWARD ISLANDS. ML 2.4 (FDF).
21	01	31	25.0*	59.324 N	152.420 W	81			89	SOUTHERN ALASKA. <AEIC>.
21	03	33	17.8?	44.63 N	151.70 E	33 N	4.0	1.9	5	EAST OF KURIL ISLANDS
21	03	48	40.6?	34.39 S	70.24 W	122 ?		0.5	12	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
21	03	53	11.2?	31.25 S	179.53 E	493 ?	4.5	1.1	17	KERMADEC ISLANDS REGION
21	04	27	46.0?	20.72 S	178.50 W	634 ?	4.8	1.4	9	FIJI ISLANDS REGION
21	04	38	26.1*	18.642 N	102.734 W	105 *	4.4	0.9	14	MICHOACAN, MEXICO
21	05	08	24.4	39.461 N	0.862 W	10 G		1.0	14	SPAIN. mbLg 3.5 (MDD). Felt (IV) in the epicentral area.
21	06	00	29.4?	15.83 N	99.35 W	33 N	3.7	1.4	8	OFF COAST OF GUERRERO, MEXICO
21	06	36	06.9?	38.68 N	22.02 E	10 G		1.5	9	GREECE
21	07	45	05.1*	15.869 N	98.097 W	33 N		1.3	9	OFF COAST OF GUERRERO, MEXICO
21	07	59	46.2?	44.29 N	7.27 E	5 G		0.1	4	NORTHERN ITALY. ML 1.2 (GEN).
21	08	01	18.3	22.680 S	64.207 W	33 N	5.0	1.1	48	SALTA PROVINCE, ARGENTINA
21	08	32	50.1	39.594 S	174.292 E	220 *		0.4	23	NORTH ISLAND, NEW ZEALAND
21	11	12	46.1*	38.966 N	123.326 W	8			5	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM).
21	11	43	06.9	45.832 N	21.320 E	10 G	3.6	1.1	14	ROMANIA
21	12	01	39.3*	65.784 N	150.163 W	34	2.5		51	NORTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
21	12	49	04.5*	6.413 S	150.648 E	33 N	4.5	0.9	6	NEW BRITAIN REGION, P.N.G.
21	12	51	41.8*	62.396 N	142.657 W	20	3.8		70	CENTRAL ALASKA. <AEIC>. ML 3.9 (PMR), 3.6 (AEIC). Felt at Nabesna.
21	12	53	45.1*	38.881 N	20.559 E	8		1.2	12	GREECE. MD 3.3 (ATH).
21	13	17	10.2*	35.742 N	118.047 W	8			6	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM).
21	13	23	54.0*	39.468 N	0.922 W	10 G		1.2	5	SPAIN. mbLg 3.1 (MDD). Felt (III) in the epicentral area.
21	13	37	02.4?	18.35 N	62.19 W	10 G	3.3	0.8	7	LEEWARD ISLANDS. ML 3.5 (FDF).
21	13	47	05.0	10.102 N	69.901 W	10 G	3.4	0.6	7	VENEZUELA
21	15	25	52.0*	59.956 N	152.777 W	99			69	SOUTHERN ALASKA. <AEIC>.
21	15	54	07.1?	37.10 S	177.75 E	230 ?		0.8	12	OFF E. COAST OF N. ISLAND, N.Z.
21	16	06	16.2*	39.424 N	0.968 W	10 G		1.0	6	SPAIN. mbLg 3.0 (MDD).
21	16	46	07.9	4.960 S	151.510 E	135 D	5.1	0.9	84	NEW BRITAIN REGION, P.N.G.
21	18	07	45.0	40.497 N	23.609 E	10 G		1.2	7	GREECE
o 21	19	41	11.5	22.788 N	143.891 E	89 D	5.3	0.9	154	VOLCANO ISLANDS REGION
21	19	52	45.5	27.904 N	88.139 E	57 *	4.9 4.2	1.2	45	SIKKIM, INDIA. Felt in Sikkim.
21	20	26	35.7*	37.567 N	112.322 W	7 G	3.6		17	UTAH. <SLC-P>. ML 3.8 (GS). Felt (III) at Bryce Canyon.
21	21	01	19.2*	12.158 N	69.515 W	27 *	4.3	0.7	8	NEAR COAST OF VENEZUELA
21	21	08	46.2?	4.45 S	134.18 E	33 N	4.3	1.1	5	IRIAN JAYA REGION, INDONESIA
a 21	22	02	10.3	8.302 N	82.747 W	24 D	5.1 4.5	1.1	98	PANAMA-CDSTA RICA BORDER REGION. Felt (IV) at Paso Canoas, Costa Rica. Also felt in western Panama.
21	22	09	15.3?	23.48 N	121.67 E	10 G	4.0	0.3	6	TAIWAN
21	23	37	01.5?	6.65 S	146.20 E	10 G	4.2	1.6	5	EASTERN NEW GUINEA REG., P.N.G.
21	23	49	29.3*	7.018 S	146.482 E	33 N	4.3	0.2	5	EASTERN NEW GUINEA REG., P.N.G.
22	00	06	52.9	44.434 S	167.525 E	10 G		0.6	15	SOUTH ISLAND, NEW ZEALAND
22	00	32	25.4	43.680 N	7.787 E	22		0.5	26	NEAR SOUTH COAST OF FRANCE. ML 2.8 (LDG), 2.8 (GEN), 2.4 (STR).
22	00	49	13.5*	40.635 N	29.853 E	10 G		0.5	7	TURKEY
22	01	39	27.4*	17.860 S	116.072 W	10 G	4.8	1.0	41	SOUTHERN EAST PACIFIC RISE
22	02	17	53.1*	42.248 N	18.781 E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
22	02	24	49.4*	39.866 N	23.366 E	10 G		1.0	7	AEGEAN SEA
22	03	25	04.4?	44.63 N	151.90 E	33 N	4.3	1.4	10	EAST OF KURIL ISLANDS
22	04	02	28.0*	8.594 S	74.522 W	140 G	3.7	0.8	8	PERU-BRAZIL BORDER REGION
22	04	18	32.9?	14.53 N	94.26 W	33 N	3.6	1.3	8	OFF COAST OF CHIAPAS, MEXICO
22	04	24	04.1*	40.889 N	33.296 E	44 *	3.5	0.7	8	TURKEY
22	04	25	21.7	38.069 S	176.070 E	230 ?		0.5	23	NORTH ISLAND, NEW ZEALAND
22	05	38	45.5	38.064 N	21.539 E	47	4.2	1.3	91	GREECE. MD 4.1 (ATH). Felt at Patrai and Pargos.
22	06	38	55.3?	36.95 S	176.76 E	282 ?		0.2	9	OFF E. COAST OF N. ISLAND, N.Z.
22	07	04	34.5	43.063 N	18.135 E	10 G		1.2	16	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG).
22	07	06	20.2*	43.083 N	18.147 E	10 G		0.6	8	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).

22	07 24 38.4	10.963 N	61.256 W	33 N	0.5	8	TRINIDAD. MD 3.3 (TRN).
22	07 44 50.1	30.53 N	49.91 E	33 N 4.0	0.6	7	WESTERN IRAN
22	08 05 03.9	37.961 N	14.629 E	10 G	0.3	5	SICILY
22	08 20 12.7	42.307 N	19.056 E	10 G	0.2	6	NORTHWESTERN BALKAN REGION. ML 1.2 (TTG).
22	08 23 23.6	37.905 N	14.642 E	10 G	1.1	6	SICILY
22	08 27 38.8	37.93 N	14.69 E	10 G	0.7	4	SICILY
22	08 33 00.3	41.393 N	22.572 E	5 G	1.1	8	NORTHWESTERN BALKAN REGION. ML 1.7 (SKO).
22	08 35 55.7	18.075 S	178.482 W	607 4.9	1.1	64	FIJI ISLANDS REGION
f 22	08 43 13.4	45.533 N	151.021 E	25 D 6.3 7.4	0.9	552	KURIL ISLANDS. Ms 7.3 (BRK). Mo=2.5*10**20 Nm (PPT). Felt. Complex event observed on broadband displacement seismograms.
22	08 47 49.9	46.73 N	151.08 E	33 N 5.8	0.8	40	KURIL ISLANDS
22	08 54 43.9	45.573 N	152.083 E	33 N 5.5	1.1	120	EAST OF KURIL ISLANDS
22	08 55 40.4	37.45 S	176.92 E	270 *	0.9	19	NORTH ISLAND, NEW ZEALAND
22	09 06 47.3	46.724 N	150.767 E	33 N 4.9	1.1	27	KURIL ISLANDS
22	09 08 46.4	45.189 N	151.519 E	33 N 4.8	1.1	31	KURIL ISLANDS
22	09 09 26.7	16.48 S	173.34 W	142 ? 4.8	0.8	24	TONGA ISLANDS
22	09 26 54.8	45.258 N	151.919 E	33 N 5.0	1.2	60	KURIL ISLANDS
22	09 33 55.1	45.16 N	151.92 E	33 N 4.6	1.3	13	KURIL ISLANDS
22	09 41 36.6	47.84 N	152.23 E	33 N 4.5	1.3	9	KURIL ISLANDS
22	09 51 50.0	45.707 N	152.042 E	47 D 5.3	0.9	102	EAST OF KURIL ISLANDS
22	09 59 26.2	44.850 N	151.452 E	33 N 5.2	0.9	75	EAST OF KURIL ISLANDS
22	10 02 44.9	44.966 N	151.667 E	33 N 4.8	1.1	33	EAST OF KURIL ISLANDS
22	10 20 52.4	45.528 N	151.551 E	29 D 5.2	1.0	101	KURIL ISLANDS
22	10 41 12.3	45.047 N	151.579 E	33 N 4.8	1.1	31	KURIL ISLANDS
22	10 42 07.8	44.854 N	151.511 E	33 N 4.9	0.9	40	EAST OF KURIL ISLANDS
22	10 54 52.4	44.855 N	151.498 E	47 D 4.4	1.0	21	EAST OF KURIL ISLANDS
22	11 02 47.0	46.10 N	152.07 E	33 N 4.5	0.8	12	KURIL ISLANDS
22	11 41 56.7	45.06 N	152.27 E	33 N 3.9	1.6	8	EAST OF KURIL ISLANDS
22	11 51 11.0	45.293 N	151.948 E	33 N 5.1	1.0	81	KURIL ISLANDS
22	12 01 29.3	45.078 N	152.365 E	33 N 4.8	0.9	42	EAST OF KURIL ISLANDS
22	12 27 14.6	52.169 N	101.537 E	33 N 4.2	1.5	6	SOUTHWESTERN SIBERIA, RUSSIA
22	12 30 36.0	37.982 N	14.626 E	10 G	1.2	7	SICILY
22	12 32 23.7	38.013 N	14.639 E	10 G	0.9	7	SICILY
22	12 40 27.7	38.003 N	14.690 E	10 G	0.9	10	SICILY
22	12 41 43.0	44.896 N	151.456 E	33 N 4.9	1.0	64	EAST OF KURIL ISLANDS
22	12 43 07.6	37.898 N	14.633 E	10 G	0.6	5	SICILY
22	12 47 25.0	63.186 N	150.394 W	114		67	CENTRAL ALASKA. <AEIC>.
22	12 54 06.9	45.27 N	152.01 E	33 N 4.2	1.3	7	EAST OF KURIL ISLANDS
22	13 05 21.1	12.913 S	166.428 E	33 N 4.6	1.2	17	SANTA CRUZ ISLANDS
22	13 22 43.9	45.229 N	152.065 E	33 N 3.5	1.1	7	EAST OF KURIL ISLANDS
22	13 40 53.5	38.001 N	14.641 E	10 G	0.9	7	SICILY
22	13 53 30.4	45.93 N	151.74 E	33 N 3.9	1.1	7	KURIL ISLANDS
22	14 02 24.4	38.018 N	14.652 E	10 G	0.6	7	SICILY
22	14 14 19.0	15.62 N	99.99 W	33 N	1.2	5	OFF COAST OF GUERRERO, MEXICO
22	15 04 22.5	44.879 N	151.516 E	34 D 5.0 4.4	1.1	50	EAST OF KURIL ISLANDS
22	15 07 52.4	37.913 N	14.734 E	5 G	0.3	5	SICILY
22	15 08 27.7	45.266 N	152.434 E	33 N 4.4	1.3	25	EAST OF KURIL ISLANDS
22	15 30 25.8	39.41 N	28.35 E	10 G	0.3	4	TURKEY
22	15 34 58.3	45.239 N	152.073 E	33 N 4.4	1.2	19	EAST OF KURIL ISLANDS
22	15 44 12.8	44.922 N	152.192 E	33 N 4.9 4.2	1.0	45	EAST OF KURIL ISLANDS
22	15 47 00.5	36.272 S	179.783 W	33 N 4.5	0.9	14	EAST OF NORTH ISLAND, N.Z.
22	15 53 12.3	45.284 N	151.634 E	33 N 4.6 4.3	0.9	42	KURIL ISLANDS
22	15 53 42.4	38.013 N	14.678 E	10 G	0.8	8	SICILY
22	16 00 53.7	33.344 N	141.789 E	33 N 4.6	0.9	14	OFF EAST COAST OF HONSHU, JAPAN
22	16 07 24.3	37.993 N	14.621 E	10 G	0.9	6	SICILY
22	16 23 57.6	36.834 S	179.225 E	131 * 4.6	1.3	24	OFF E. COAST OF N. ISLAND, N.Z.
22	16 26 45.1	42.107 N	15.625 E	10 G	0.5	5	ADRIATIC SEA
22	16 49 37.6	44.765 N	152.012 E	33 N 4.8 4.3	1.0	38	EAST OF KURIL ISLANDS
22	17 03 25.2	45.256 N	151.951 E	33 N 4.6	1.4	32	KURIL ISLANDS
22	17 07 13.0	44.917 N	151.190 E	33 N 5.2 4.6	1.0	112	EAST OF KURIL ISLANDS
22	17 20 59.6	44.85 N	152.10 E	33 N 3.9	1.6	7	EAST OF KURIL ISLANDS
22	17 46 30.7	18.384 N	65.934 W	10 G	1.3	6	PUERTO RICO REGION
22	17 49 17.6	36.49 S	179.48 E	33 N 3.5	0.5	7	OFF E. COAST OF N. ISLAND, N.Z.
22	17 49 49.7	37.91 N	14.67 E	10 G	0.7	4	SICILY
22	18 09 46.7	42.134 N	15.579 E	10 G	0.8	13	ADRIATIC SEA
22	18 11 32.5	42.147 N	15.564 E	10 G	0.8	12	ADRIATIC SEA
22	18 38 21.2	45.33 N	152.50 E	33 N 3.8	1.2	5	EAST OF KURIL ISLANDS
22	18 54 56.8	47.977 N	6.577 E	10 G	1.3	6	FRANCE. ML 2.0 (LDG).
22	19 23 01.3	44.57 N	152.44 E	33 N 3.4	1.3	5	EAST OF KURIL ISLANDS
22	20 40 48.1	16.73 S	167.58 E	10 G 4.0	1.2	7	VANUATU ISLANDS
22	20 43 07.5	45.134 N	151.924 E	33 N 5.0 4.3	0.9	92	KURIL ISLANDS
22	20 57 44.8	45.18 N	151.65 E	33 N 4.0	1.3	9	KURIL ISLANDS
22	20 58 58.2	45.095 N	151.918 E	33 N 4.8 4.3	1.2	41	KURIL ISLANDS
22	21 03 15.5	45.078 N	152.061 E	33 N 4.9 4.5	1.1	29	EAST OF KURIL ISLANDS
o 22	21 15 42.4	4.893 S	103.185 E	59 G 5.8	0.8	311	SOUTHERN SUMATERA, INDONESIA. Depth from broadband displacement seismograms.
22	21 17 38.9	61.810 N	150.627 W	55		39	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
22	21 41 04.3	45.546 N	151.579 E	33 N 4.4 4.1	1.1	23	KURIL ISLANDS
22	21 51 32.7	83.026 N	6.704 W	10 G 4.5	0.9	18	NORTH OF SVALBARD
22	21 55 39.8	56.255 N	155.810 W	36 5.0 4.5		230	ALASKA PENINSULA. <AEIC>. ML 5.0 (AEIC), 4.9 (PMR). Felt (11) at Chignik and Chignik Lagoon; (11) at Larsen Bay.
22	21 58 53.2	46.43 N	1.50 E	10 G	0.1	4	FRANCE. ML 1.6 (LDG).
22	22 06 51.5	42.981 N	18.500 E	10 G	0.1	6	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
22	22 42 06.4	42.06 N	145.36 E	33 N 4.9	0.2	5	HOKKAIDO, JAPAN REGION
23	00 00 56.7	46.30 N	150.16 E	33 N 3.9	1.0	6	KURIL ISLANDS
o 23	00 17 00.4	45.609 N	151.718 E	45 D 5.3 4.9	1.0	192	KURIL ISLANDS
23	00 37 50.1	41.853 N	13.680 E	23 *	0.2	7	SOUTHERN ITALY
23	01 20 13.2	42.46 N	13.28 E	10 G	0.4	4	CENTRAL ITALY
23	01 58 25.1	33.917 N	88.863 E	33 N 5.2 4.6	1.1	82	XIJANG
23	02 14 54.5	33.966 N	88.942 E	33 N 5.0	0.6	49	XIJANG
23	02 43 53.2	44.956 N	151.708 E	33 N 5.1 4.2	0.9	81	EAST OF KURIL ISLANDS

23	02	50	15.2%	16.852 N	61.620 W	33 N	0.5	5	LEEWARD ISLANDS. ML 2.3 (FDF)
23	03	32	29.6%	39.851 N	23.330 E	10 G	0.2	5	AEGEAN SEA
23	04	16	49.8%	41.289 N	23.305 E	10 G	0.7	6	GREECE-BULGARIA BORDER REGION
23	04	17	07.1%	45.518 N	151.295 E	33 N 4.2	0.9	18	KURIL ISLANDS
23	04	18	24.4%	42.809 N	1.977 E	10 G	0.4	6	PYRENEES. ML 1.4 (STR).
23	04	33	14.9%	45.43 N	151.99 E	33 N 4.2	1.3	6	KURIL ISLANDS
23	04	34	09.1%	39.784 N	23.326 E	10 G	0.4	5	AEGEAN SEA
23	04	41	26.1	38.711 N	22.662 E	5 G	0.5	15	GREECE. ML 3.2 (ATH).
23	07	17	59.1%	32.395 S	70.619 W	90 G	0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
23	07	27	30.5	30.477 N	138.394 E	430 4.6	0.7	49	SOUTH OF HONSHU, JAPAN
23	07	39	36.0	44.260 N	11.469 E	21	1.1	27	NORTHERN ITALY. ML 3.4 (VIE), 3.2 (LDG).
23	07	40	16.7%	60.179 N	152.861 W	103 3.4		84	SOUTHERN ALASKA. <AEIC>. Felt (III) at Clam Gulch and Part Alsworth.
23	07	43	44.2%	45.087 N	127.155 W	10 G		53	OFF COAST OF OREGON. <SEA>.
23	07	55	52.8%	24.452 N	141.490 E	120 G 4.4	0.8	12	VOLCANO ISLANDS REGION
23	09	05	43.6%	38.001 N	14.654 E	10 G	0.8	5	SICILY
23	10	18	04.9	44.696 N	151.860 E	33 N 4.9	0.8	41	EAST OF KURIL ISLANDS
23	10	18	25.4%	42.832 N	12.856 E	10 G	0.3	7	CENTRAL ITALY
23	10	47	36.2%	44.714 N	7.721 E	10 G	0.8	7	NORTHERN ITALY. ML 1.7 (GEN).
23	11	20	34.9%	22.647 N	93.588 E	33 N	0.7	7	MYANMAR-INDIA BORDER REGION
23	11	28	24.0%	37.946 N	14.643 E	10 G	0.9	5	SICILY
23	11	35	09.4%	4.915 S	151.739 E	132 * 4.7	1.3	11	NEW BRITAIN REGION, P.N.G.
23	11	38	06.5	38.195 N	71.660 E	58 * 4.6	0.9	18	AFGHANISTAN-TAJIKISTAN BORD REG.
23	11	50	59.8%	44.59 N	151.99 E	33 N 4.1	1.1	7	EAST OF KURIL ISLANDS
23	12	14	13.7	41.548 S	172.749 E	135 *	0.7	27	SOUTH ISLAND, NEW ZEALAND
23	13	10	04.9	45.854 N	151.962 E	24 D 6.0 5.3	0.8	413	KURIL ISLANDS
23	13	18	45.2%	18.92 N	67.56 W	10 G	0.7	7	MONA PASSAGE
23	14	01	32.9%	37.052 N	121.477 W	6		12	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
23	14	31	52.6	39.865 N	22.515 E	10 G	0.4	10	GREECE
23	14	46	04.0	39.856 N	22.540 E	10 G	0.6	11	GREECE
23	15	06	50.5	36.393 S	179.764 E	48 * 5.1 5.0	1.0	59	OFF E. COAST OF N. ISLAND, N.Z.
23	15	13	53.6	45.361 N	152.076 E	33 N 4.9	1.0	53	EAST OF KURIL ISLANDS
23	15	20	02.7	45.434 N	151.808 E	33 N 4.8	1.2	54	KURIL ISLANDS
23	15	49	03.4%	43.37 N	13.18 E	5 G	0.7	4	CENTRAL ITALY
23	17	19	56.9	38.006 N	21.555 E	10 G	1.5	28	GREECE. ML 3.6 (ATH), 3.7 (TIR).
23	19	42	06.5	7.049 S	129.340 E	76 * 5.2	1.1	37	BANDA SEA
23	19	57	35.7	3.429 S	127.305 E	33 N 5.2	0.9	46	SERAM, INDONESIA
23	20	02	37.5	39.907 N	142.462 E	68 4.8	0.8	31	NEAR EAST COAST OF HONSHU, JAPAN
23	20	02	53.1%	10.89 N	62.28 W	33 N	0.5	6	NEAR COAST OF VENEZUELA. MD 3.1 (TRN).
23	20	23	41.8%	17.67 S	178.96 W	556 ? 5.1	1.0	14	FIJI ISLANDS REGION
23	20	32	27.2	45.820 N	106.715 W	5 G	0.7	12	MONTANA. ML 3.3 (GS), 3.6 (BUT). Felt at Colstrip.
23	23	42	47.4%	45.50 N	151.76 E	33 N 3.7	1.3	7	KURIL ISLANDS
24	01	02	00.6%	37.928 N	14.682 E	10 G	0.8	5	SICILY
24	01	03	38.5	43.080 N	0.465 W	10 G	0.5	7	PYRENEES. ML 1.0 (STR).
24	01	37	37.7%	47.36 N	0.75 E	10 G	0.5	4	FRANCE. ML 1.8 (LDG).
24	02	16	51.0%	27.853 N	34.464 E	10 G	0.8	7	RED SEA
24	02	26	18.5	27.073 S	26.608 E	5 G	0.8	6	REPUBLIC OF SOUTH AFRICA
24	02	51	42.4	23.041 N	120.657 E	29 4.3	1.1	31	TAIWAN. ML 4.7 (BJI).
24	02	54	26.9%	40.535 N	23.602 E	10 G	0.3	6	GREECE
24	03	06	19.5%	40.769 N	23.655 E	10 G	0.2	6	GREECE
24	03	30	21.0%	42.378 N	13.027 E	10 G	0.6	12	CENTRAL ITALY
24	03	38	17.9	5.702 S	110.209 E	533 D 5.1	1.0	154	JAVA SEA
24	04	08	26.9%	44.96 N	151.79 E	33 N 4.5	1.4	8	EAST OF KURIL ISLANDS
24	04	39	32.3%	27.81 N	55.59 E	33 N 3.8	1.5	7	SOUTHERN IRAN
24	05	00	10.2%	51.62 N	16.47 E	10 G	0.5	8	POLAND. ML 3.1 (VIE).
24	05	18	08.1%	60.918 N	152.708 W	149 3.7		87	SOUTHERN ALASKA. <AEIC>.
24	05	35	52.4	41.667 N	20.918 E	5 G	1.2	15	ALBANIA. ML 3.3 (SKO), 2.5 (TTG). Felt (III) in the Kicevo, Yugoslavia area.
24	06	21	20.0%	44.523 S	167.251 E	10 G	0.8	13	SOUTH ISLAND, NEW ZEALAND
24	07	08	28.4%	36.072 N	53.105 E	33 N 3.8	0.8	10	NORTHERN IRAN
24	09	46	04.3%	44.95 N	9.08 E	10 G	0.4	4	NORTHERN ITALY
24	10	19	30.3%	61.359 N	148.096 W	34		46	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
24	10	19	42.0%	44.408 N	7.340 E	10 G	0.3	5	NORTHERN ITALY. ML 1.3 (GEN).
24	10	32	54.6%	0.632 S	77.545 W	33 N 3.7	1.2	12	ECUADOR
24	10	33	37.2%	45.30 N	151.65 E	33 N 4.0	1.6	9	KURIL ISLANDS
24	10	47	14.9	9.575 S	117.980 E	75 5.2	1.3	72	SUMBAWA REGION, INDONESIA
24	10	47	26.6	6.909 N	76.259 W	41 * 4.8	0.9	45	NORTHERN COLOMBIA
24	11	05	05.3%	16.643 N	99.231 W	33 N 4.3	1.1	17	NEAR COAST OF GUERRERO, MEXICO
24	11	08	55.0%	16.40 N	99.58 W	33 N	0.6	6	NEAR COAST OF GUERRERO, MEXICO
24	11	11	49.3	45.359 N	20.946 E	10 G	0.9	21	NORTHWESTERN BALKAN REGION
24	11	23	01.5	24.072 S	66.713 W	199 4.7	1.2	58	SALTA PROVINCE, ARGENTINA
24	12	03	15.1	31.610 S	71.625 W	33 N	1.0	14	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN).
24	13	48	37.8%	60.126 N	139.393 W	0 G		18	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
24	13	48	42.5%	63.231 N	151.472 W	11		55	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
24	13	54	03.4%	32.348 S	71.553 W	10 G	0.4	9	NEAR COAST OF CENTRAL CHILE
24	13	56	30.6%	63.252 N	149.795 W	97		46	CENTRAL ALASKA. <AEIC>.
24	14	18	41.5%	34.395 N	119.135 W	5 G	0.6	6	SOUTHERN CALIFORNIA. ML 2.6 (GS). Felt in northern Ventura County.
24	14	52	56.0%	18.711 S	70.764 W	71 * 4.8	1.6	20	NEAR COAST OF NORTHERN CHILE. Felt (III) at Arica.
24	17	08	47.0%	29.96 S	176.92 W	67 ? 5.0	1.5	25	KERMADEC ISLANDS REGION
24	17	47	36.5%	5.579 S	103.986 E	93 ? 4.8	0.7	14	SOUTHERN SUMATERA, INDONESIA
24	18	33	57.5%	18.150 N	67.069 W	10 G	0.7	5	MONA PASSAGE
24	18	36	00.5%	17.831 N	66.513 W	10 G	0.4	5	PUERTO RICO REGION
24	18	39	00.8%	62.397 N	149.082 W	48		61	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
24	19	10	42.3	7.110 S	127.629 E	269 * 4.9	1.1	30	BANDA SEA
24	19	51	25.7	2.775 N	97.424 E	81 * 4.8	0.9	53	NORTHERN SUMATERA, INDONESIA
24	20	07	57.4%	38.683 N	70.553 E	33 N 4.5	0.4	8	AFGHANISTAN-TAJIKISTAN BORD REG.
24	20	58	47.6%	7.53 S	122.84 E	262 * 4.6	0.9	8	FLORES SEA
24	21	11	26.0	45.323 N	151.132 E	33 N 4.7	0.8	28	KURIL ISLANDS
24	21	27	52.1	30.003 N	92.544 E	33 N 4.4	0.7	15	XIJANG
24	22	13	49.8	45.461 N	151.469 E	33 N 4.7 4.4	0.9	87	KURIL ISLANDS
24	22	25	06.1	44.103 N	6.978 E	10 G	0.5	21	FRANCE. ML 2.2 (GEN), 1.9 (LDG), 1.7 (STR).
24	23	27	24.9	6.605 S	156.031 E	217 4.8	0.7	28	SOLOMON ISLANDS

25	00 28 25.6& 48.385 N	123.420 W	0						48	VANCOUVER ISLAND REGION. <PGC>. ML 2.3 (PGC). Felt at Victoria British Columbia.
25	01 09 14.1& 60.290 N	153.357 W	201						46	SOUTHERN ALASKA. <AEIC>.
25	01 43 31.47 40.66 N	22.45 E	10 G			0.4			4	GREECE
25	04 20 58.5+ 40.397 N	23.551 E	10 G			0.8			5	GREECE
25	04 24 19.57 40.53 N	23.98 E	10 G			0.4			4	GREECE
25	05 39 38.3 39.099 S	174.844 E	258			0.4			38	NORTH ISLAND, NEW ZEALAND
25	08 44 20.5? 30.85 N	114.78 W	10 G	3.3		1.0			12	GULF OF CALIFORNIA. ML 4.0 (GS).
25	08 55 27.6+ 37.909 N	20.638 E	10 G			0.9			6	IONIAN SEA. MD 3.3 (ATH).
25	09 16 19.0% 42.866 N	18.578 E	10 G			0.3			5	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
25	09 24 44.4% 46.496 N	2.960 E	10 G			0.3			5	FRANCE. ML 1.9 (LDG).
25	09 50 34.7+ 44.949 S	167.321 E	111 *			0.6			18	SOUTH ISLAND, NEW ZEALAND
25	11 55 27.3+ 10.499 N	93.822 E	44 ?	4.5		1.5			29	ANDAMAN ISLANDS, INDIA
25	12 13 22.3 10.607 N	93.906 E	40 *	4.7 4.1		1.1			44	ANDAMAN ISLANDS, INDIA
25	12 20 35.2+ 31.176 S	71.730 W	33 N	4.4		1.2			18	NEAR COAST OF CENTRAL CHILE
25	12 57 27.3+ 45.341 N	151.094 E	33 N	3.9		1.0			12	KURIL ISLANDS
25	15 25 58.3? 17.93 N	78.08 W	10 G			0.4			7	JAMAICA REGION. MD 3.1 (HOJ).
25	15 37 15.47 45.57 N	152.10 E	33 N	3.7		1.0			6	EAST OF KURIL ISLANDS
25	15 59 32.3 13.825 N	125.324 E	33 N	4.8 4.2		1.4			31	PHILIPPINE ISLANDS REGION
25	16 09 28.1+ 18.532 S	72.863 W	33 N	4.7		1.0			14	OFF COAST OF NORTHERN CHILE
25	16 19 54.0+ 18.041 S	178.793 W	537	4.5		0.8			36	FIJI ISLANDS REGION
25	18 12 52.0& 62.009 N	150.914 W	64						36	CENTRAL ALASKA. <AEIC>.
25	18 57 45.6+ 21.442 N	144.325 E	162 ?	4.6		0.9			23	MARIANA ISLANDS REGION
a	19 23 23.4 45.667 N	151.734 E	29 D	5.4 5.2		0.8			249	KURIL ISLANDS. Mo=2.0*10**17 Nm (PPT).
25	19 42 59.0? 25.04 N	109.77 W	10 G	4.1		1.3			16	GULF OF CALIFORNIA
25	20 39 36.1? 18.08 N	67.40 W	10 G			0.5			8	MONA PASSAGE
25	21 23 10.3? 34.93 S	71.07 W	92			0.3			17	NEAR COAST OF CENTRAL CHILE. Felt at Santiago.
25	22 03 10.1& 62.196 N	151.022 W	92						55	CENTRAL ALASKA. <AEIC>.
25	22 15 51.1& 40.181 N	121.481 W	12						6	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
25	22 46 34.5 51.489 N	159.117 E	46 D	4.7 4.4		1.0			52	OFF EAST COAST OF KAMCHATKA
25	23 08 03.0+ 13.207 N	89.313 W	81	4.6		1.0			40	EL SALVADOR. Felt (III) at San Salvador.
25	23 24 53.9% 40.479 N	29.065 E	10 G			0.7			8	TURKEY
25	23 43 49.7 21.703 N	143.030 E	329 *	4.4		1.0			40	MARIANA ISLANDS REGION
a	26 00 04 58.9 25.275 N	109.707 W	10 G	5.2 5.1		1.1			95	GULF OF CALIFORNIA
26	00 22 18.4 25.307 N	109.693 W	10 G	5.3 5.6		1.4			91	GULF OF CALIFORNIA
26	00 24 46.8+ 25.268 N	109.913 W	10 G	4.7		0.9			25	GULF OF CALIFORNIA
26	00 25 37.2 24.969 N	109.833 W	10 G	5.2		1.1			61	GULF OF CALIFORNIA
26	00 28 05.9? 1.92 S	134.42 E	33 N	4.3		0.9			6	IRIAN JAYA REGION, INDONESIA
26	00 43 18.9? 24.57 N	109.71 W	10 G	4.5		1.0			21	GULF OF CALIFORNIA
26	00 54 21.3+ 25.212 N	109.626 W	10 G	4.5		1.2			24	GULF OF CALIFORNIA
26	00 58 56.5? 40.41 N	25.80 E	10 G			0.6			4	AEGEAN SEA. MD 3.0 (ATH).
26	01 06 48.7% 44.581 N	7.254 E	10 G			0.1			6	NORTHERN ITALY. ML 1.9 (GEN).
26	01 33 33.0+ 45.235 N	151.945 E	33 N	4.6 4.6		1.3			14	KURIL ISLANDS
26	01 53 47.6? 23.74 N	110.32 W	10 G	4.2		1.3			9	BAJA CALIFORNIA, MEXICO
26	02 00 50.3? 18.23 N	67.01 W	33 N			1.1			6	MONA PASSAGE
26	02 11 56.7? 40.36 N	25.71 E	10 G			0.4			4	AEGEAN SEA. MD 2.9 (ATH).
26	02 16 30.9? 25.10 N	109.68 W	10 G	4.2		1.2			22	GULF OF CALIFORNIA
26	02 50 16.4& 63.243 N	150.937 W	11						38	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
26	03 13 14.6? 45.34 N	21.30 E	10 G			0.3			5	ROMANIA. MG 3.2 (BEO).
26	04 09 14.8 44.111 N	10.143 E	10 G			0.8			46	NORTHERN ITALY. ML 3.1 (LDG), 3.0 (GEN).
26	04 11 57.7% 44.127 N	10.178 E	10 G			0.4			8	NORTHERN ITALY
26	04 58 06.3 41.791 N	22.884 E	5 G			0.6			15	NORTHWESTERN BALKAN REGION. ML 2.1 (SKO).
26	06 07 33.5+ 44.542 N	151.809 E	33 N	4.8 3.9		1.1			29	EAST OF KURIL ISLANDS
26	06 39 32.8+ 38.250 N	107.115 W	5 G			0.5			15	COLORADO. ML 2.3 (GS). Felt (III) at Powderhorn.
26	07 10 46.1? 45.84 N	151.31 E	33 N	4.0		1.1			6	KURIL ISLANDS
26	07 13 33.8 38.449 S	175.754 E	225			0.5			46	NORTH ISLAND, NEW ZEALAND
26	07 22 44.2+ 38.238 N	107.108 W	5 G			0.5			15	COLORADO. ML 2.3 (GS). Felt at Powderhorn.
26	07 29 18.9% 18.057 N	67.102 W	10 G			0.4			8	MONA PASSAGE
26	07 51 57.2 47.492 N	8.363 E	10 G			0.8			15	SWITZERLAND. ML 2.8 (LDG), 2.5 (VIE), 2.4 (KRW), 2.4 (STR).
26	08 07 30.7? 21.09 S	178.76 W	584 ?	4.6		1.5			27	FIJI ISLANDS REGION
26	08 16 08.5 37.711 N	21.052 E	46 *	3.8		1.1			37	SOUTHERN GREECE. MD 3.8 (ATH).
26	09 01 52.9+ 10.195 N	103.960 W	33 N	4.4 4.4		1.4			24	OFF COAST OF MEXICO
26	09 09 54.5& 38.610 N	122.080 W	3						23	NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK). Felt at Vacaville and in much of the Napa Valley area.
26	10 02 20.0? 16.71 N	60.53 W	25			0.4			8	LEEWARD ISLANDS. ML 3.1 (FDF).
26	10 10 08.8 40.451 N	21.086 E	5 G			0.8			15	GREECE. ML 3.0 (TIR).
26	11 11 34.8 52.977 N	35.282 W	10 G	4.4 3.6		0.9			26	NORTH ATLANTIC OCEAN
26	11 18 50.6+ 17.622 N	61.401 W	10 G			0.6			10	LEEWARD ISLANDS. ML 3.4 (FDF). MD 3.1 (TRN).
a	26 11 35 56.2 54.382 N	162.521 E	29 D	5.5 5.1		1.0			292	NEAR EAST COAST OF KAMCHATKA
26	12 07 26.5+ 45.053 N	151.534 E	33 N	4.7		1.2			34	KURIL ISLANDS
26	12 10 08.4 7.364 S	125.909 E	36 *	5.0 4.5		1.2			31	BANDA SEA
26	12 20 11.4 49.309 N	151.135 E	290 *	4.3		0.9			47	NORTHWEST OF KURIL ISLANDS
26	12 34 41.3 7.981 N	126.681 E	79 *	5.1		1.1			82	MINDANAO, PHILIPPINE ISLANDS
26	13 13 26.9? 42.15 N	18.24 E	30 *			0.2			9	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
26	13 14 39.7% 30.380 S	117.818 E	10 G			0.4			5	WESTERN AUSTRALIA
26	13 24 17.7+ 30.837 N	99.532 E	33 N	4.1		1.3			8	SICHUAN, CHINA. ML 4.4 (BJI).
26	14 33 11.3 41.122 N	22.441 E	10 G			0.5			10	NORTHWESTERN BALKAN REGION. ML 2.5 (SKO).
26	17 05 20.9? 15.94 N	96.55 E	33 N	3.6		1.2			6	NEAR SOUTH COAST OF MYANMAR
26	17 28 38.6 38.713 S	178.245 E	63 *	4.2		1.3			38	OFF E. COAST OF N. ISLAND, N.Z.
26	18 02 04.3+ 34.116 S	72.233 W	33 N	4.0		0.8			16	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Santa Domingo.
26	18 29 18.3 44.972 N	151.709 E	33 N	4.4		1.3			29	EAST OF KURIL ISLANDS
26	19 07 21.6? 46.96 N	152.76 E	33 N	4.3		1.1			5	KURIL ISLANDS
26	19 27 02.3? 44.81 N	6.79 E	10 G			0.4			4	FRANCE. ML 1.6 (GEN).
26	20 46 18.4+ 15.285 S	173.569 W	70 G	4.6		1.1			24	TONGA ISLANDS
26	20 59 43.2 45.059 N	9.920 E	10 G			0.8			33	NORTHERN ITALY. ML 2.8 (LDG).
26	21 02 19.5 32.996 N	136.264 E	445 *	4.4		0.5			17	SOUTHEAST OF SHIKOKU, JAPAN
26	21 06 23.5? 23.11 S	175.02 W	79 ?	4.9 4.3		1.3			25	TONGA ISLANDS REGION
26	23 44 58.0 41.241 N	20.219 E	10 G	4.2		1.1			96	ALBANIA. MD 4.1 (ATH), 4.0 (TTG), 3.9 (TRI), 3.7 (TIR).
26	23 50 20.9? 34.26 S	72.33 W	33 N			0.9			10	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
27	00 20 18.8+ 4.567 N	127.032 E	33 N	4.2		0.3			6	TALAUD ISLANDS, INDONESIA
27	00 20 25.6? 10.99 N	60.84 W	10 G			0.8			4	TRINIDAD MD 2.1 (TRN).

27	00	36	14.2?	18.79	N	66.76	W	78 ?	0.3	8	PUERTO RICO REGION
27	00	45	12.3?	34.17	S	72.20	W	33 N	1.2	9	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
27	00	53	09.9?	34.12	S	72.20	W	33 N	1.2	9	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
27	01	15	14.8	47.323	N	154.985	E	54 D 4.7	1.2	68	KURIL ISLANDS
27	01	22	16.5?	36.71	S	177.80	E	256 ?	0.8	26	OFF E COAST OF N. ISLAND, N.Z.
27	01	32	25.1	34.508	N	26.803	E	33 N 3.4	0.6	9	CRETE. MD 3.9 (HLW).
27	01	48	38.2?	33.97	S	72.07	W	33 N	1.1	8	OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
27	02	14	28.7	17.026	N	94.383	W	33 N 4.2	0.7	10	CHIAPAS, MEXICO
27	02	14	56.1	5.800	S	151.167	E	83 * 4.8	0.8	16	NEW BRITAIN REGION, P.N.G.
o 27	02	32	43.1	19.173	S	176.400	W	26 D 5.4 5.7	1.3	91	FIJI ISLANDS REGION. Mo=2.5*10**18 Nm (PPT).
27	02	44	59.9?	3.26	N	96.34	E	33 N 4.8	1.0	13	NORTHERN SUMATERA, INDONESIA
27	02	48	48.4	33.827	S	71.777	W	10 G	0.7	9	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
27	03	06	56.1	41.074	N	22.069	E	10 G	0.3	10	NORTHWESTERN BALKAN REGION. ML 1.7 (SKO).
f 27	04	05	58.2	56.032	S	25.266	W	10 G 6.2 7.2	1.4	341	SOUTH SANDWICH ISLANDS REGION. Ms 7.1 (BRK). Mo=1.3*10**20 Nm (PPT). Complex event observed on broadband displacement seismograms.
27	04	19	46.6	9.010	S	157.894	E	33 N 5.8	1.1	89	SOLOMON ISLANDS
27	04	56	04.5?	39.815	N	30.581	E	10 G	0.5	5	TURKEY
27	04	59	28.1	44.867	N	11.103	E	5 3.9	1.3	19	NORTHERN ITALY. ML 3.0 (VIE), 2.9 (LDG).
27	05	55	06.5?	60.050	N	151.602	W	47	0.4	40	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
27	06	19	33.7?	10.80	N	62.15	W	60 G	0.2	5	NEAR COAST OF VENEZUELA. MD 2.9 (TRN).
27	06	33	41.6	4.315	S	81.248	W	33 N 4.8	0.9	13	NEAR COAST OF NORTHERN PERU
27	06	37	52.1?	36.970	N	121.708	W	8	0.9	17	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt (III) at Watsonville.
27	07	23	23.1	41.302	N	20.332	E	10 G	1.1	6	ALBANIA. ML 2.5 (SKO), 2.4 (TIR).
27	08	09	28.9	55.432	S	26.424	W	33 N 5.0	0.8	22	SOUTH SANDWICH ISLANDS REGION
27	08	09	43.1	14.293	N	93.362	W	58 * 4.4	1.0	18	NEAR COAST OF CHIAPAS, MEXICO
o 27	09	09	37.5	51.019	N	98.150	E	14 D 5.8 6.4	1.1	380	RUSSIA-MONGOLIA BORDER REGION. Ms 6.2 (BRK). Mo=7.9*10**19 Nm (PPT). Felt (IV) at Irkutsk, Russia.
27	09	30	35.2	8.839	S	157.748	E	33 N 4.5	1.1	10	SOLOMON ISLANDS
27	09	57	49.0	14.300	N	93.441	W	19 * 4.6	1.1	60	NEAR COAST OF CHIAPAS, MEXICO
27	10	30	00.4	8.948	S	157.734	E	10 G 4.8	0.9	23	SOLOMON ISLANDS
27	11	01	05.6?	42.764	N	19.166	E	10 G	0.3	9	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
27	11	14	56.2?	38.574	N	27.037	E	10 G	0.4	5	TURKEY
27	11	32	39.3?	38.035	N	14.655	E	10 G	0.6	6	SICILY
27	12	04	12.7	48.152	N	154.988	E	33 N 4.5	0.9	31	KURIL ISLANDS
27	12	33	10.1?	42.113	N	18.775	E	10 G	0.4	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
27	13	33	44.9	45.283	N	151.842	E	22 D 4.9 4.0	1.0	61	KURIL ISLANDS
27	13	34	24.8	24.429	N	122.774	E	33 N 4.3	0.5	11	TAIWAN REGION
27	14	02	49.8	55.741	S	24.909	W	33 N 4.8	1.1	11	SOUTH SANDWICH ISLANDS REGION
27	14	31	49.9?	39.77	N	19.61	E	10 G	1.3	8	GREECE-ALBANIA BORDER REGION
27	15	56	08.3	38.578	N	27.014	E	10 G	1.0	7	TURKEY. MD 3.3 (ATH).
o 27	17	14	27.2	9.035	S	157.876	E	10 G 5.3	1.2	89	SOLOMON ISLANDS
27	17	25	04.6	51.282	N	98.263	E	33 N 4.1	1.3	9	RUSSIA-MONGOLIA BORDER REGION
27	17	29	30.8?	42.531	N	19.358	E	10 G	0.5	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
27	20	05	46.8?	23.48	N	142.98	E	33 N 4.5	1.3	6	VOLCANO ISLANDS REGION
27	20	51	22.7?	42.833	N	12.700	E	10 G	0.8	14	CENTRAL ITALY
27	20	58	29.3?	42.818	N	12.782	E	5 G	1.0	9	CENTRAL ITALY
27	21	34	50.8?	32.87	S	72.37	W	10 G	0.3	8	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
27	22	45	16.7?	42.811	N	12.885	E	10 G	1.2	6	CENTRAL ITALY
27	23	18	22.9	31.521	S	72.502	W	10 G 4.4	1.2	12	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
27	23	28	54.3?	38.094	N	2.247	W	10 G	0.4	5	SPAIN. mbLg 2.5 (MDD).
f 28	00	52	10.1	56.102	S	24.614	W	10 G 6.1 6.7	1.1	285	SOUTH SANDWICH ISLANDS REGION. Ms 6.5 (BRK). Mo=2.0*10**19 Nm (PPT).
28	00	57	15.3?	61.840	N	150.718	W	57	0.8	39	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
28	01	32	39.5?	36.982	N	122.215	W	7	0.7	7	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
28	01	56	25.0	55.439	S	26.536	W	33 N 4.8	1.2	15	SOUTH SANDWICH ISLANDS REGION
28	02	20	28.1	55.439	S	26.469	W	33 N 5.3 5.4	1.2	37	SOUTH SANDWICH ISLANDS REGION
28	02	28	37.3	6.388	S	150.373	E	38 * 4.8	0.7	14	NEW BRITAIN REGION, P.N.G.
28	02	40	40.0?	6.38	S	150.33	E	52 ? 4.2	1.4	7	NEW BRITAIN REGION, P.N.G.
28	02	59	15.2?	45.23	N	151.03	E	33 N 3.6	1.2	9	KURIL ISLANDS
28	03	21	04.9	10.831	N	62.422	W	82 4.5	0.8	70	NEAR COAST OF VENEZUELA. MD 4.2 (TRN).
28	03	25	35.1	6.388	S	150.334	E	38 * 4.8	1.6	29	NEW BRITAIN REGION, P.N.G.
28	03	34	44.4?	8.13	S	149.54	E	115 ? 4.1	1.2	6	EASTERN NEW GUINEA REG., P.N.G.
o 28	03	40	31.6	6.446	S	150.344	E	26 D 5.3 5.3	1.0	89	NEW BRITAIN REGION, P.N.G.
28	03	44	27.7?	58.284	N	155.988	W	152 3.3	0.7	47	ALASKA PENINSULA. <AEIC>.
28	03	52	55.9?	28.82	S	177.16	W	33 N	1.3	9	KERMADEC ISLANDS REGION
28	03	54	48.9	33.091	S	70.494	W	70 *	0.7	18	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
28	04	15	54.4?	11.58	N	61.26	W	33 N	0.2	4	WINDWARD ISLANDS. MD 2.4 (TRN).
28	04	20	21.2	8.883	S	157.741	E	10 G 5.0 5.0	1.1	42	SOLOMON ISLANDS
28	04	39	06.2?	4.81	N	127.50	E	179 ? 4.8	0.6	7	TALAUD ISLANDS, INDONESIA
o 28	05	08	28.8	6.437	S	150.404	E	59 5.0	1.0	95	NEW BRITAIN REGION, P.N.G.
28	05	20	24.0	14.814	N	60.258	W	10 G	0.8	10	WINDWARD ISLANDS. MD 3.2 (TRN).
28	05	26	31.8?	60.169	N	152.741	W	110	0.4	45	SOUTHERN ALASKA. <AEIC>.
28	05	35	29.7	7.963	S	125.576	E	36 * 5.3 4.5	1.1	50	BANDA SEA
28	05	45	42.3?	33.57	S	70.19	W	111 ?	0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
28	05	47	03.9?	44.889	N	11.009	E	10 G	0.7	19	NORTHERN ITALY. ML 3.7 (LDG).
28	05	59	34.9	16.965	N	101.480	W	33 N 3.8	1.4	10	NEAR COAST OF GUERRERO, MEXICO
28	06	56	12.8?	37.440	N	118.860	W	4	0.8	18	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK), 3.1 (PAS).
28	07	00	21.1	44.560	N	114.114	W	5 G 4.4	0.8	127	WESTERN IDAHO. ML 4.5 (GS). Felt (V) at Ellis and (IV) at Challis and May. Also felt at Hailey.
28	07	09	25.9	44.531	N	114.134	W	5 G	0.6	29	WESTERN IDAHO. ML 3.8 (GS).
28	08	04	04.2	51.057	N	98.106	E	38 * 4.6	1.2	31	RUSSIA-MONGOLIA BORDER REGION
28	08	44	34.8?	37.99	N	14.48	E	10 G	0.7	4	SICILY
28	09	07	03.3	51.096	N	98.061	E	17 * 5.0 4.7	1.0	81	RUSSIA-MONGOLIA BORDER REGION
28	09	12	33.9	44.530	N	114.205	W	5 G	0.6	24	WESTERN IDAHO. ML 3.2 (GS), 3.5 (BUT).
28	09	14	07.6	44.534	N	114.131	W	5 G	0.8	20	WESTERN IDAHO. ML 3.5 (GS), 3.8 (BUT).
28	09	21	35.9	5.608	S	131.209	E	80 * 4.7	1.0	11	BANDA SEA
28	09	55	09.2	50.928	N	98.207	E	50 * 4.5	1.4	24	RUSSIA-MONGOLIA BORDER REGION
28	10	18	25.8	51.116	N	98.133	E	32 ? 4.0	0.8	19	RUSSIA-MONGOLIA BORDER REGION
28	10	28	04.3?	61.80	N	2.77	E	10 G	0.4	6	NORWEGIAN SEA. MD 2.7 (BER).
28	10	36	28.9	45.512	N	151.537	E	20 D 5.2 4.9	0.8	155	KURIL ISLANDS



28	10 47 54.4&	62.065 N	151.317 W	84	53	CENTRAL ALASKA. <AEIC>.
28	10 49 25.3&	61.768 N	146.489 W	15	43	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
28	10 50 06.0	45.500 N	151.644 E	33 N 4.9	67	KURIL ISLANDS
o 28	11 05 19.0	6.360 S	150.242 E	22 D 5.3 5.5	155	NEW BRITAIN REGION. P.N.G. ML 5.7 (PMG).
28	11 44 34.6*	32.814 S	69.712 W	100 G	0.9	10 MENDOZA PROVINCE, ARGENTINA. MD 3.6 (SAN).
28	11 45 15.8*	18.131 N	146.798 E	100 *	0.8	18 MARIANA ISLANDS
26	11 59 47.1*	6.481 S	150.453 E	54 ? 4.6	1.4	13 NEW BRITAIN REGION, P.N.G.
28	12 52 37.9	45.198 N	151.087 E	21 D 5 0 4.4	0.9	66 KURIL ISLANDS
28	13 12 26.9	17.810 S	115.938 W	10 G 5 0 4.7	0.8	66 SOUTHERN EAST PACIFIC RISE
26	13 21 30.2*	48.040 N	153.927 E	33 N 4.1	0.8	13 KURIL ISLANDS
26	13 25 32.3&	63.097 N	149.129 W	85	46	CENTRAL ALASKA. <AEIC>.
28	13 42 49.3*	23.333 S	68.917 W	96 * 4.4	0.9	9 NORTHERN CHILE
28	14 01 49.3	44.499 N	113.967 W	5 G	0.7	14 EASTERN IDAHO. ML 2.9 (GS), 3.1 (BUT).
28	14 56 10.4&	39.361 N	26.806 E	10 G	0.6	5 TURKEY
o 28	15 59 47.1*	56.573 S	25.325 W	58 D 5.1	1.3	44 SOUTH SANDWICH ISLANDS REGION. Mo=3.2*10**17 Nm (PPT).
28	16 09 38.4?	31.83 S	179.41 E	522 ? 4.8	1.3	16 KERMADEC ISLANDS REGION
28	17 52 49.1&	67.378 N	146.228 W	10 G	0.8	8 NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
28	17 58 27.9	6.392 S	130.073 E	130 4.9	1.2	54 BANDA SEA
28	18 17 05.7?	13.90 N	93.20 W	59 ? 4.3	1.2	9 OFF COAST OF CHIAPAS, MEXICO
28	19 15 11.9*	19.368 S	169.170 E	168 * 4.2	1.4	18 VANUATU ISLANDS
28	19 28 51.9	47.958 N	7.171 E	10 G	1.1	18 SWITZERLAND. ML 2.8 (LDG).
28	19 56 15.1	41.178 N	20.274 E	4	1.2	30 ALBANIA. ML 3.8 (SKO), 3.4 (TTG).
28	19 56 38.8&	46.199 N	2.067 E	10 G	0.8	10 FRANCE. ML 2.3 (LDG).
28	20 04 22.1	41.210 N	20.253 E	4	0.8	27 ALBANIA. ML 3.1 (TTG), 2.7 (TIR).
28	21 09 29.1	45.170 N	151.189 E	41 D 4.8	1.0	81 KURIL ISLANDS
28	21 34 02.7	23.760 N	121.891 E	10 G 4.3	1.0	16 TAIWAN. ML 4.7 (BJI).
28	21 43 06.7	23.891 N	121.639 E	10 G 3.6	0.7	7 TAIWAN
28	22 26 57.2?	32.08 S	179.19 W	424 ?	1.3	17 SOUTH OF KERMADEC ISLANDS
29	00 36 59.7?	31.48 S	69.68 W	170 ?	0.5	10 SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
29	00 53 43.3*	45.136 N	151.165 E	33 N 4.8	0.9	37 KURIL ISLANDS
29	00 54 47.0?	27.98 S	66.35 W	10 G	1.4	10 CATAMARCA PROVINCE, ARGENTINA
29	02 01 16.2&	40.217 N	27.644 E	10 G	0.7	6 TURKEY
29	03 48 18.4?	31.98 S	69.65 W	156 ?	0.4	11 SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
29	03 51 21.9	44.767 N	110.817 W	5 G	0.8	11 YELLOWSTONE REGION, WYOMING. ML 3.0 (BUT).
29	04 03 13.4&	42.384 N	19.549 E	10 G	0.5	7 NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
29	04 45 51.7?	22.42 S	12.25 W	10 G 3.8 4.1	1.3	7 SOUTHERN MID-ATLANTIC RIDGE
29	05 07 39.4	8.902 S	157.716 E	10 G 4.9	0.9	21 SOLOMON ISLANDS
29	05 47 02.2	44.907 N	11.268 E	4	1.1	63 NORTHERN ITALY. ML 4.0 (VIE), 3.9 (GRF), 3.7 (FUR).
29	06 35 51.9	6.383 S	150.191 E	50 * 4.3	0.4	14 NEW BRITAIN REGION, P.N.G.
29	06 54 21.9&	38.162 N	26.849 W	10 G	0.4	5 AZORES ISLANDS. MG 4.2 (PDA). Felt in eastern Terceira.
29	07 01 21.4?	38.17 N	26.83 W	10 G	0.2	4 AZORES ISLANDS. MG 4.0 (PDA).
29	07 44 52.9?	36.01 S	71.44 W	138 ?	0.3	13 CENTRAL CHILE. MD 4.3 (SAN).
29	09 39 12.6?	17.80 S	167.89 E	33 N 4.7	1.4	14 VANUATU ISLANDS
29	11 41 30.7*	12.946 N	59.224 W	33 N	0.5	15 WINDWARD ISLANDS. ML 4.0 (FDF). MD 3.7 (TRN).
29	12 47 13.3&	36.720 N	89.210 W	5 G	0.8	20 NEW MADRID, MISSOURI REGION. <SLM-P>. MD 2.4 (SLM). Felt (III) at Wolf Island, Missouri.
29	13 00 36.0*	45.271 N	151.165 E	33 N 4.9 4.1	0.8	61 KURIL ISLANDS
29	13 03 03.0&	42.997 N	18.845 E	10 G	0.2	7 NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
29	14 16 51.6&	42.990 N	18.849 E	10 G	0.3	8 NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
29	14 35 50.9?	32.52 S	71.90 W	10 G	0.9	9 NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
29	16 55 24.6?	41.64 N	23.81 E	5 G	0.2	5 GREECE-BULGARIA BORDER REGION
29	17 24 49.3?	40.36 N	32.41 E	10 G	0.8	5 TURKEY
29	18 24 10.9?	28.41 N	142.28 E	33 N 4.5	1.4	6 BONIN ISLANDS REGION
29	18 35 48.2	30.870 S	178.042 W	71 * 5.2	0.9	42 KERMADEC ISLANDS, NEW ZEALAND
o 29	18 39 09.4	4.421 S	132.727 E	37 G 6.0 6.1	1.1	173 IRIAN JAYA REGION, INDONESIA. Mo=5.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
29	19 18 23.1*	5.298 S	102.914 E	10 G 4.5	0.7	12 SOUTHERN SUMATRA, INDONESIA
29	19 43 17.4	49.673 N	155.977 E	48 D 5.0 5.4	0.8	157 KURIL ISLANDS
29	19 58 43.3?	17.72 N	61.88 W	24 *	0.5	7 LEEWARD ISLANDS. ML 3.0 (FDF).
29	20 53 43.2?	35.18 S	71.01 W	85 G	0.3	7 CENTRAL CHILE. MD 3.9 (SAN).
29	21 02 13.6*	27.369 S	69.051 W	33 N 3.7	0.8	9 NORTHERN CHILE
29	21 25 53.1*	15.478 N	95.467 W	33 N 3.4	1.5	9 NEAR COAST OF OAXACA, MEXICO
29	21 43 15.4&	58.206 N	151.654 W	1	2.8	43 KODIAK ISLAND REGION. <AEIC>. ML 3.4 (AEIC).
29	22 23 47.2&	44.431 N	7.282 E	10 G	0.1	5 NORTHERN ITALY. ML 1.2 (GEN).
29	22 41 48.8	42.244 N	19.593 E	10 G	0.5	12 NORTHWESTERN BALKAN REGION. ML 2.1 (TIR), 2.0 (TTG).
29	23 29 54.8*	14.264 N	93.407 W	51 * 4.6	0.8	22 NEAR COAST OF CHIAPAS, MEXICO
30	00 08 30.5*	24.080 S	179.960 W	541 ? 5.1	1.1	20 SOUTH OF FIJI ISLANDS
30	00 39 57.8	43.147 N	146.930 E	33 N 4.9	0.8	54 KURIL ISLANDS
30	00 47 48.8	42.233 N	19.571 E	10 G	0.4	12 NORTHWESTERN BALKAN REGION. ML 1.7 (TIR), 1.9 (TTG).
30	01 19 40.9%	15.920 N	61.276 W	78 ?	0.2	9 LEEWARD ISLANDS
30	04 35 18.4	33.317 N	60.115 E	33 N 4.4	0.3	30 NORTHERN IRAN
30	05 43 41.9&	36.852 N	121.608 W	7	0.8	19 CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt (IV) at Aromas and (II) at San Juan Bautista.
30	05 46 50.1&	36.850 N	121.582 W	6	4	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM).
30	06 06 54.4*	6.026 S	130.439 E	85 ? 4.8	1.0	7 BANDA SEA
30	06 52 20.6&	63.021 N	148.290 W	73	0	39 CENTRAL ALASKA. <AEIC>.
30	07 08 43.3*	43.248 N	146.974 E	33 N 4.6	1.0	26 KURIL ISLANDS
30	07 57 22.4?	32.69 S	71.80 W	33 N	1.1	11 NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
30	08 52 32.1	43.288 N	127.038 W	10 G 3.4	0.5	81 OFF COAST OF OREGON
30	08 59 18.6*	17.679 S	116.053 W	10 G 4.7	0.9	11 SOUTHERN EAST PACIFIC RISE
30	09 46 26.2	44.216 N	7.448 E	5 G	0.3	8 NORTHERN ITALY. ML 2.3 (LDG).
30	10 13 57.3&	40.694 N	23.349 E	10 G	0.3	5 GREECE
30	11 30 11.2?	36.74 S	72.98 W	33 N	0.8	12 NEAR COAST OF CENTRAL CHILE
30	12 31 08.9&	36.848 N	121.603 W	7	0.8	9 CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
30	12 40 11.0*	21.413 S	67.234 W	190 G	0.8	6 CHILE-BOLIVIA BORDER REGION
30	13 10 28.8?	50.13 N	179.22 W	33 N 4.1	1.5	7 ANDREANOF ISLANDS, ALEUTIAN IS.
30	13 22 35.5*	42.389 N	24.018 E	10 G	0.8	8 BULGARIA
30	14 01 35.2&	40.696 N	23.083 E	10 G	0.4	6 GREECE
30	15 22 09.4?	8.77 S	159.43 E	173 ? 4.4	0.7	6 SOLOMON ISLANDS
30	15 36 22.4	45.232 N	151.806 E	45 D 4.4	1.3	28 KURIL ISLANDS
30	15 39 11.8*	23.919 N	142.912 E	33 N 4.8	1.3	29 VOLCANO ISLANDS REGION
30	15 48 36.5&	59.587 N	150.385 W	49	0.8	45 KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
30	16 49 25.3*	54.400 N	162.214 E	33 N 4.5	1.0	17 NEAR EAST COAST OF KAMCHATKA

### ADDITIONAL SOURCE PARAMETERS

P 37 276  
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.  
RADIATED ENERGY  
No. of sta: 9 Focal mech. M  
Energy  $3.6 \pm 1.2 \times 10^{13}$  Nm  
MOMENT TENSOR SOLUTION  
Dep 576 No. of sta: 15  
Principal Axes:  
Scale  $10^{+18}$  Nm  
T Val= 2.90 Plg=42 Azm=118  
N 0.00 24 5  
P -2.90 39 254  
Best Double Couple: Mo=  $2.9 \times 10^{+18}$   
NP1: Strike=279 Dip=24 Slip= 4  
NP2: 186 89 114  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 22S, 60C  
Centroid Location:  
Origin Time 10:33:47.3 0.2  
Lat 26.11S 0.02 Lon 178.69E 0.02  
Dep 574.5 1.1 Half-duration 5.4  
Principal Axes:  
Scale  $10^{+18}$  Nm  
T Val= 3.14 Plg=48 Azm=103  
N 0.09 6 7  
P -3.22 42 271  
Best Double Couple: Mo=  $3.2 \times 10^{+18}$   
NP1: Strike=303 Dip= 7 Slip= 26  
NP2: 187 87 96  
02 47 30.34 15.364S 174.240W 33km  
4.9mb ( 18 obs.) 5.4Msz ( 9 obs.)  
TONGA ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 21S, 45C  
Centroid Location:

Origin Time 02:47:33.0 0.5  
 Lat 14.95S 0.06 Lon 173.98W 0.03  
 Dep 15.0 FIX Half-duration 2.1  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 2.09 Plg= 9 Azm=299  
 N 0.28 73 62  
 P -2.36 14 206  
 Best Double Couple:Mo=2.2\*10\*\*17  
 NP1:Strike=343 Dip=73 Slip=-177  
 NP2: 252 87 -17

04 03 27 24.26 24.015N 93.986E 72km  
 4.9mb ( 70 obs.)  
 MYANMAR-INDIA BORDER REGION  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 12S, 24C  
 Centroid Location:  
 Origin Time 03:27:30.7 0.7  
 Lat 24.19N 0.10 Lon 93.83E 0.06  
 Dep 70.0 FIX Half-duration 2.3  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 2.45 Plg=23 Azm=106  
 N -0.91 65 307  
 P -1.55 8 200  
 Best Double Couple:Mo=2.0\*10\*\*17  
 NP1:Strike=245 Dip=68 Slip= 11  
 NP2: 151 79 157

05 09 15 28.10 41.266S 80.401E 10km  
 5.3mb ( 29 obs.) 5.8Msz ( 16 obs.)  
 MID-INDIAN RIDGE  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 26S, 67C  
 Centroid Location:  
 Origin Time 09:15:35.4 0.2  
 Lat 41.40S 0.03 Lon 80.28E 0.03  
 Dep 15.0 BDY Half-duration 3.3  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 8.09 Plg=17 Azm= 3  
 N -0.21 65 232  
 P -7.88 18 99  
 Best Double Couple:Mo=8.0\*10\*\*17  
 NP1:Strike=141 Dip=65 Slip= 0  
 NP2: 231 90 -155

05 17 51 18.44 2.430S 140.026E 60km  
 5.3mb ( 35 obs.)  
 NEAR NORTH COAST OF IRIAN JAYA  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 22S, 38C  
 Centroid Location:  
 Origin Time 17:51:21.0 0.6  
 Lat 1.95S 0.07 Lon 140.09E 0.05  
 Dep 15.0 FIX Half-duration 1.9  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Vol= 11.09 Plg=41 Azm=273  
 N 4.75 32 150  
 P -15.84 33 36  
 Best Double Couple:Mo=1.3\*10\*\*17  
 NP1:Strike= 70 Dip=33 Slip= 8  
 NP2: 333 86 122

05 20 21 55.31 36.135N 31.807E 115km  
 5.2mb ( 68 obs.)  
 TURKEY  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 10S, 16C  
 Centroid Location:  
 Origin Time 20:22: 1.2 1.6  
 Lat 36.49N 0.14 Lon 32.27E 0.12  
 Dep 117.6 5.4 Half-duration 1.6  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Vol= 8.23 Plg=25 Azm=335  
 N -2.37 0 245  
 P -5.86 65 155  
 Best Double Couple:Mo=7.1\*10\*\*16  
 NP1:Strike= 66 Dip=20 Slip= -89  
 NP2: 245 70 -90

07 11 59 00.91 45.475N 151.391E 50km  
 5.7mb ( 91 obs.) 5.9Msz ( 26 obs.)  
 KURIL ISLANDS  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN

L.P.B.: 28S, 70C  
 Centroid Location:  
 Origin Time 11:59: 3.0 0.2  
 Lat 45.73N 0.03 Lon 151.53E 0.04  
 Dep 15.0 FIX Half-duration 3.8  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 10.79 Plg=58 Azm=293  
 N -0.60 6 33  
 P -10.19 32 127  
 Best Double Couple:Mo=1.0\*10\*\*18  
 NP1:Strike=238 Dip=15 Slip= 116  
 NP2: 31 77 83

07 14 22 32.27 25.191N 62.974E 30km  
 5.2mb ( 79 obs.) 5.0Msz ( 10 obs.)  
 SOUTHWESTERN PAKISTAN  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 17S, 25C  
 Centroid Location:  
 Origin Time 14:22:39.2 1.2  
 Lat 25.08N FIX;Lon 62.94E FIX  
 Dep 15.0 FIX Half-duration 2.2  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 2.87 Plg=50 Azm=350  
 N -0.02 5 86  
 P -2.85 39 180  
 Best Double Couple:Mo=2.9\*10\*\*17  
 NP1:Strike=309 Dip= 8 Slip= 133  
 NP2: 85 84 85

07 16 03 17.11 45.372N 151.544E 24km  
 5.0mb ( 42 obs.) 4.6Msz ( 3 obs.)  
 KURIL ISLANDS  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 15S, 34C  
 Centroid Location:  
 Origin Time 16:03:25.2 1.0  
 Lat 45.91N 0.12 Lon 151.58E 0.12  
 Dep 33.1 8.0 Half-duration 1.2  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Vol= 4.69 Plg=55 Azm= 14  
 N 1.17 29 233  
 P -5.86 18 132  
 Best Double Couple:Mo=5.3\*10\*\*16  
 NP1:Strike=186 Dip=37 Slip= 37  
 NP2: 65 69 121

07 16 34 54.92 45.422N 151.553E 44km  
 5.6mb ( 97 obs.) 5.0Msz ( 17 obs.)  
 KURIL ISLANDS  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 22S, 46C  
 Centroid Location:  
 Origin Time 16:34:56.5 0.5  
 Lat 45.68N 0.06 Lon 151.68E 0.07  
 Dep 24.1 3.0 Half-duration 1.9  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 1.60 Plg=62 Azm=293  
 N 0.02 7 35  
 P -1.63 28 129  
 Best Double Couple:Mo=1.6\*10\*\*17  
 NP1:Strike=236 Dip=18 Slip= 112  
 NP2: 33 73 83

07 19 21 24.41 37.443S 51.281E 10km  
 5.1mb ( 19 obs.) 4.7Msz ( 3 obs.)  
 SOUTH INDIAN OCEAN  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 17S, 35C  
 Centroid Location:  
 Origin Time 19:21:31.3 0.9  
 Lat 37.20S 0.08 Lon 51.17E 0.09  
 Dep 15.0 FIX Half-duration 1.8  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 1.25 Plg= 9 Azm= 17  
 N -0.52 43 116  
 P -0.74 45 278  
 Best Double Couple:Mo=1.0\*10\*\*17  
 NP1:Strike= 69 Dip=52 Slip=-150  
 NP2: 319 67 -42

08 14 09 54.57 45.471N 151.554E 40km  
 5.4mb ( 96 obs.) 5.1Msz ( 22 obs.)  
 KURIL ISLANDS

CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 19S, 36C  
 Centroid Location:  
 Origin Time 14:09:58.0 0.6  
 Lat 45.86N 0.11 Lon 151.47E 0.14  
 Dep 15.0 FIX Half-duration 1.9  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 1.61 Plg=51 Azm=311  
 N 0.12 0 41  
 P -1.74 39 131  
 Best Double Couple:Mo=1.7\*10\*\*17  
 NP1:Strike=223 Dip= 6 Slip= 92  
 NP2: 41 84 90

09 09 23 04.86 37.207N 24.354W 10km  
 5.3mb ( 64 obs.) 4.7Msz ( 15 obs.)  
 AZORES ISLANDS REGION  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 17S, 26C  
 Centroid Location:  
 Origin Time 09:23: 7.0 0.7  
 Lat 37.22N 0.08 Lon 23.61W 0.07  
 Dep 15.0 FIX Half-duration 1.5  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Vol= 8.30 Plg= 0 Azm=240  
 N -0.26 0 150  
 P -8.04 90 180  
 Best Double Couple:Mo=8.2\*10\*\*16  
 NP1:Strike=330 Dip=45 Slip= -90  
 NP2: 150 45 -90

10 23 19 57.63 4.764N 77.469W 29km  
 5.2mb ( 61 obs.) 4.5Msz ( 8 obs.)  
 NEAR WEST COAST OF COLOMBIA  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 15S, 24C  
 Centroid Location:  
 Origin Time 23:19:59.6 1.3  
 Lat 4.74N FIX;Lon 77.48W FIX  
 Dep 20.710.8 Half-duration 1.6  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Vol= 8.21 Plg=60 Azm= 76  
 N -0.06 13 190  
 P -8.15 26 287  
 Best Double Couple:Mo=8.2\*10\*\*16  
 NP1:Strike= 45 Dip=22 Slip= 127  
 NP2: 186 72 76

11 06 29 41.86 22.692S 175.124W 42km  
 5.7mb ( 38 obs.) 5.4Msz ( 21 obs.)  
 TONGA ISLANDS REGION  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 26S, 59C  
 Centroid Location:  
 Origin Time 06:29:44.1 0.5  
 Lat 22.57S 0.05 Lon 174.49W 0.04  
 Dep 45.0 FIX Half-duration 2.4  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 2.10 Plg=72 Azm=303  
 N 0.35 1 208  
 P -2.46 18 118  
 Best Double Couple:Mo=2.3\*10\*\*17  
 NP1:Strike=205 Dip=27 Slip= 87  
 NP2: 29 63 92

11 17 03 10.64 17.821S 116.017W 19km  
 5.9mb ( 39 obs.) 6.1Msz ( 34 obs.)  
 SOUTHERN EAST PACIFIC RISE  
 RADIATED ENERGY  
 No. of sto: 9 Focal mech. M  
 Energy 1.6±0.3\*10\*\*13 Nm  
 MOMENT TENSOR SOLUTION  
 Dep 22 No. of sto: 14  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Vol= 4.79 Plg= 4 Azm=333  
 N 0.07 32 66  
 P -4.87 57 237  
 Best Double Couple:Mo=4.8\*10\*\*18  
 NP1:Strike= 34 Dip=50 Slip=-134  
 NP2: 270 57 -50  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 29S, 78C M.W.: 24S, 48C  
 Centroid Location:

Origin Time 17:03:18.9 0.2  
 Lat 18.10S 0.01 Lon 116.28W 0.01  
 Dep 15.0 BDY Half-duration 6.3  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 4.17 P1g= 5 Azm=170  
 N 1.21 11 261  
 P -5.38 78 55  
 Best Double Couple:Mo=4.8\*10\*\*18  
 NP1:Strike=248 Dip=41 Slip=-107  
 NP2: 91 51 -76

11 20 39 39.20 23.368S 171.044E 37km  
 5.8mb ( 63 obs.) 6.5Msz ( 38 obs.)  
 LOYALTY ISLANDS REGION  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 29S, 85C M.W.: 23S, 57C  
 Centroid Location:  
 Origin Time 20:39:43.2 0.1  
 Lat 23.50S 0.01 Lon 171.12E 0.01  
 Dep 15.0 BDY Half-duration 6.9  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 7.12 P1g= 9 Azm=355  
 N -1.40 2 85  
 P -5.72 81 187  
 Best Double Couple:Mo=6.4\*10\*\*18  
 NP1:Strike= 83 Dip=36 Slip=-93  
 NP2: 267 54 -88

12 06 13 01.23 18.178S 168.026E 33km  
 6.0mb ( 14 obs.) 5.0Msz ( 11 obs.)  
 VANUATU ISLANDS  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 22S, 41C  
 Centroid Location:  
 Origin Time 06:13: 4.3 0.6  
 Lat 18.01S 0.07 Lon 168.02E 0.06  
 Dep 15.0 FIX Half-duration 2.1  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 2.37 P1g=57 Azm= 70  
 N 0.00 3 165  
 P -2.37 33 257  
 Best Double Couple:Mo=2.4\*10\*\*17  
 NP1:Strike= 0 Dip=12 Slip= 105  
 NP2: 164 78 87

12 15 41 33.65 4.825S 152.516E 71km  
 5.4mb ( 40 obs.)  
 NEW BRITAIN REGION, P.N.G.  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 26S, 48C  
 Centroid Location:  
 Origin Time 15:41:38.3 0.4  
 Lat 4.56S 0.05 Lon 152.85E 0.05  
 Dep 15.0 FIX Half-duration 2.4  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 3.49 P1g=57 Azm= 22  
 N -0.03 17 264  
 P -3.46 28 165  
 Best Double Couple:Mo=3.5\*10\*\*17  
 NP1:Strike=218 Dip=23 Slip= 42  
 NP2: 89 75 108

13 00 12 56.56 7.270S 128.621E 159km  
 5.6mb ( 65 obs.)  
 BANDA SEA  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 24S, 43C  
 Centroid Location:  
 Origin Time 00:12:59.7 0.5  
 Lat 7.23S 0.04 Lon 128.57E 0.04  
 Dep 161.3 1.2 Half-duration 2.1  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 1.66 P1g=82 Azm=126  
 N -0.02 7 339  
 P -1.64 4 248  
 Best Double Couple:Mo=1.6\*10\*\*17  
 NP1:Strike=331 Dip=41 Slip= 80  
 NP2: 164 50 99

13 02 33 51.85 45.578N 151.560E 30km  
 6.1mb (105 obs.) 6.6Msz ( 38 obs.)  
 KURIL ISLANDS  
 FAULT PLANE SOLUTION: P-Waves  
 NP1:Strike= 54 Dip=70 Slip= 90

NP2. 234 20 90  
 Principal Axes:  
 T P1g=65 Azm=324  
 P 25 144  
 Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.  
 RADIATED ENERGY  
 No. of sta: 15 Focal mech. C  
 Energy 3.5±0.7\*10\*\*13 Nm  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 29S, 82C M.W.: 23S, 51C  
 Centroid Location:  
 Origin Time 02:34: 1.0 0.1  
 Lat 45.66N 0.01 Lon 151.99E 0.01  
 Dep 35.2 BDY Half-duration 7.7  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 7.96 P1g=68 Azm=291  
 N 0.33 6 37  
 P -8.29 21 129  
 Best Double Couple:Mo=8.1\*10\*\*18  
 NP1:Strike=230 Dip=25 Slip= 105  
 NP2: 34 66 83

13 05 45 29.03 45.567N 151.530E 26km  
 6.0mb (112 obs.) 5.7Msz ( 29 obs.)  
 KURIL ISLANDS  
 FAULT PLANE SOLUTION: P-Waves  
 NP1:Strike= 40 Dip=75 Slip= 90  
 NP2: 220 15 90  
 Principal Axes:  
 T P1g=60 Azm=310  
 P 30 130  
 Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.  
 RADIATED ENERGY  
 No. of sta: 10 Focal mech. C  
 Energy 1.6±0.5\*10\*\*12 Nm  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 25S, 61C  
 Centroid Location:  
 Origin Time 05:45:34.6 0.3  
 Lat 45.71N 0.03 Lon 151.63E 0.05  
 Dep 18.0 BDY Half-duration 3.9  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 10.53 P1g=62 Azm=287  
 N -0.56 10 37  
 P -9.97 26 132  
 Best Double Couple:Mo=1.0\*10\*\*18  
 NP1:Strike=244 Dip=21 Slip= 119  
 NP2: 33 72 79

13 08 00 10.39 45.491N 151.775E 44km  
 5.5mb ( 86 obs.) 5.2Msz ( 22 obs.)  
 KURIL ISLANDS  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 26S, 53C  
 Centroid Location:  
 Origin Time 08:00:12.9 0.5  
 Lat 45.74N 0.06 Lon 151.64E 0.07  
 Dep 38.0 BDY Half-duration 2.1  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 1.74 P1g=60 Azm=275  
 N -0.12 15 33  
 P -1.61 25 131  
 Best Double Couple:Mo=1.7\*10\*\*17  
 NP1:Strike=251 Dip=24 Slip= 130  
 NP2: 28 72 74

13 10 32 04.51 7.494N 124.874E 32km  
 5.1mb ( 30 obs.) 4.6Msz ( 6 obs.)  
 MINDANAO, PHILIPPINE ISLANDS  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 13S, 20C  
 Centroid Location:  
 Origin Time 10:32: 7.9 0.9  
 Lat 7.45N 0.09 Lon 124.70E 0.11  
 Dep 26.8 7.8 Half-duration 1.7  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Val= 9.29 P1g=30 Azm=180

N -1.29 60 354  
 P -8.00 3 88  
 Best Double Couple:Mo=8.6\*10\*\*16  
 NP1:Strike=220 Dip=67 Slip= 160  
 NP2: 318 71 24

13 18 59 06.56 45.521N 151.707E 19km  
 6.1mb (106 obs.) 6.4Msz ( 47 obs.)  
 KURIL ISLANDS  
 FAULT PLANE SOLUTION: P-Waves  
 NP1:Strike= 55 Dip=65 Slip= 90  
 NP2: 235 25 90  
 Principal Axes:  
 T P1g=70 Azm=325  
 P 20 145  
 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. F  
 Energy 3.2±0.6\*10\*\*13 Nm  
 MOMENT TENSOR SOLUTION  
 Dep 8 No. of sta: 20  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 6.40 P1g=48 Azm=261  
 N 0.11 32 33  
 P -6.51 25 140  
 Best Double Couple:Mo=6.5\*10\*\*18  
 NP1:Strike=276 Dip=35 Slip= 157  
 NP2: 25 77 57  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 24S, 60C M.W.: 22S, 36C  
 Centroid Location:  
 Origin Time 18:59:12.7 0.1  
 Lat 45.61N 0.02 Lon 151.45E 0.02  
 Dep 15.0 FIX Half-duration 6.2  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 5.69 P1g=55 Azm=287  
 N -0.56 11 34  
 P -5.13 32 131  
 Best Double Couple:Mo=5.4\*10\*\*18  
 NP1:Strike=257 Dip=16 Slip= 134  
 NP2: 32 78 78

13 19 55 09.55 45.435N 151.270E 48km  
 5.9mb ( 95 obs.) 6.3Msz ( 22 obs.)  
 KURIL ISLANDS  
 FAULT PLANE SOLUTION: P-Waves  
 NP1:Strike= 40 Dip=72 Slip= 90  
 NP2: 220 18 90  
 Principal Axes:  
 T P1g=63 Azm=310  
 P 27 130  
 Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.  
 RADIATED ENERGY  
 No. of sta: 7 Focal mech. M  
 Energy 1.7±0.4\*10\*\*13 Nm  
 MOMENT TENSOR SOLUTION  
 Dep 25 No. of sta: 8  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 3.89 P1g=67 Azm=330  
 N 0.09 6 226  
 P -3.98 22 133  
 Best Double Couple:Mo=3.9\*10\*\*18  
 NP1:Strike=212 Dip=23 Slip= 75  
 NP2: 48 68 96  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 25S, 68C  
 Centroid Location:  
 Origin Time 19:55:12.7 0.3  
 Lat 45.45N 0.03 Lon 151.20E 0.06  
 Dep 26.4 2.2 Half-duration 6.0  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 4.33 P1g=53 Azm=273  
 N -0.91 14 22  
 P -3.42 33 122  
 Best Double Couple:Mo=3.9\*10\*\*18  
 NP1:Strike=255 Dip=17 Slip= 144  
 NP2: 20 80 76

13 19 58 18.53 45.439N 151.427E 20km

6.1mb ( 71 obs.) 6.4Msz ( 5 obs.)  
 KURIL ISLANDS  
 RADIATED ENERGY  
 No. of sta: 9 Focal mech. 0  
 Energy 7.5±1.2\*10\*\*12 Nm  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 17S, 32C  
 Centroid Location:  
 Origin Time 19:58:26.8 0.9  
 Lat 46.11N 0.12 Lon 151.41E 0.13  
 Dep 43.7 9.5 Half-duration 5.6  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Vol= 3.24 P1g=55 Azm=330  
 N -0.13 7 231  
 P -3.11 34 136  
 Best Double Couple:Mo=3.2\*10\*\*18  
 NP1:Strike=199 Dip=12 Slip= 57  
 NP2: 52 80 97

14 18 49 48.64 1.632N 127.131E 129km  
 5.3mb ( 40 obs.)  
 HALMAHERA, INDONESIA  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 13S, 22C  
 Centroid Location:  
 Origin Time 18:49:49.8 1.1  
 Lat 1.62N FIX;Lon 127.14E FIX  
 Dep 140.7 4.9 Half-duration 1.3  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Vol= 4.94 P1g=24 Azm=182  
 N -1.07 36 74  
 P -3.87 45 298  
 Best Double Couple:Mo=4.4\*10\*\*16  
 NP1:Strike=319 Dip=39 Slip= -20  
 NP2: 65 78 -127

15 06 36 38.48 30.434S 177.921W 56km  
 5.6mb ( 36 obs.)  
 KERMADEC ISLANDS, NEW ZEALAND  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 24S, 54C  
 Centroid Location:  
 Origin Time 06:36:42.5 0.6  
 Lat 29.98S 0.07 Lon 177.58W 0.05  
 Dep 43.6 4.0 Half-duration 2.5  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 3.23 P1g=67 Azm=279  
 N 0.53 1 13  
 P -3.77 23 103  
 Best Double Couple:Mo=3.5\*10\*\*17  
 NP1:Strike=196 Dip=22 Slip= 94  
 NP2: 12 68 89

15 10 16 58.57 45.119N 151.366E 33km  
 5.7mb ( 80 obs.) 5.3Msz ( 25 obs.)  
 KURIL ISLANDS  
 RADIATED ENERGY  
 No. of sta: 5 Focal mech. M  
 Energy 5.1±1.4\*10\*\*11 Nm  
 MOMENT TENSOR SOLUTION  
 Dep 7 No. of sta: 10  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 3.20 P1g=50 Azm=275  
 N 0.02 29 46  
 P -3.22 25 151  
 Best Double Couple:Mo=3.2\*10\*\*17  
 NP1:Strike=285 Dip=33 Slip= 153  
 NP2: 38 76 60  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 23S, 51C  
 Centroid Location:  
 Origin Time 10:17: 1.0 0.4  
 Lat 45.34N 0.05 Lon 151.80E 0.06  
 Dep 20.2 2.7 Half-duration 2.0  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 1.84 P1g=63 Azm=300  
 N 0.01 6 40  
 P -1.85 27 133  
 Best Double Couple:Mo=1.9\*10\*\*17  
 NP1:Strike=237 Dip=19 Slip= 107  
 NP2: 39 72 84

15 18 56 05.61 17.521S 70.422W 104km  
 5.6mb ( 73 obs.)

NEAR COAST OF PERU  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 25S, 65C  
 Centroid Location:  
 Origin Time 18:56:11.0 0.2  
 Lat 17.53S 0.02 Lon 70.37W 0.03  
 Dep 111.3 1.7 Half-duration 3.5  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 8.15 P1g=24 Azm= 59  
 N 0.00 1 149  
 P -8.15 66 242  
 Best Double Couple:Mo=8.1\*10\*\*17  
 NP1:Strike=147 Dip=21 Slip= -93  
 NP2: 330 69 -89

16 04 47 43.19 53.053N 159.605E 38km  
 5.2mb ( 66 obs.) 4.8Msz ( 16 obs.)  
 NEAR EAST COAST OF KAMCHATKA  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 25S, 48C  
 Centroid Location:  
 Origin Time 04:47:49.8 0.3  
 Lat 52.92N 0.05 Lon 160.29E 0.05  
 Dep 43.6 3.3 Half-duration 1.8  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 1.33 P1g=75 Azm=268  
 N -0.01 10 39  
 P -1.32 11 131  
 Best Double Couple:Mo=1.3\*10\*\*17  
 NP1:Strike=234 Dip=35 Slip= 108  
 NP2: 33 57 78

17 01 50 19.08 3.611S 102.034E 72km  
 5.6mb ( 66 obs.)  
 SOUTHERN SUMATRA, INDONESIA  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 21S, 33C  
 Centroid Location:  
 Origin Time 01:50:20.9 0.8  
 Lat 4.05S 0.05 Lon 101.70E 0.07  
 Dep 50.3 3.9 Half-duration 1.7  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Vol= 8.50 P1g=61 Azm= 70  
 N 1.11 21 296  
 P -9.61 19 199  
 Best Double Couple:Mo=9.1\*10\*\*16  
 NP1:Strike=258 Dip=32 Slip= 48  
 NP2: 125 67 113

17 03 41 08.14 62.551S 155.054E 10km  
 5.2mb ( 11 obs.) 6.1Msz ( 10 obs.)  
 BALLENY ISLANDS REGION  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 29S, 78C M.W.: 23S, 40C  
 Centroid Location:  
 Origin Time 03:41:16.6 0.1  
 Lat 62.60S 0.01 Lon 154.87E 0.03  
 Dep 15.0 FIX Half-duration 5.3  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Vol= 2.91 P1g= 8 Azm= 20  
 N -0.10 73 139  
 P -2.80 15 288  
 Best Double Couple:Mo=2.8\*10\*\*18  
 NP1:Strike= 65 Dip=74 Slip=-175  
 NP2: 334 86 -16

17 06 38 17.32 47.393N 151.499E 157km  
 5.8mb (114 obs.)  
 KURIL ISLANDS  
 FAULT PLANE SOLUTION: P-Waves  
 NP1:Strike= 70 Dip=55 Slip= -90  
 NP2: 250 35 -90  
 Principal Axes:  
 T P1g=10 Azm=160  
 P 80 340  
 Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.

RADIATED ENERGY  
 No. of sta: 14 Focal mech. M  
 Energy 8.7±1.4\*10\*\*12 Nm  
 MOMENT TENSOR SOLUTION  
 Dep 142 No. of sta: 16

Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 4.45 P1g= 4 Azm=171  
 N 0.01 11 80  
 P -4.45 78 281  
 Best Double Couple:Mo=4.4\*10\*\*17  
 NP1:Strike=273 Dip=42 Slip= -73  
 NP2: 70 50 -105  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 24S, 48C  
 Centroid Location:  
 Origin Time 06:38:20.6 0.3  
 Lat 47.27N 0.04 Lon 151.64E 0.05  
 Dep 154.1 1.2 Half-duration 2.7  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 4.64 P1g=22 Azm=159  
 N 0.04 11 65  
 P -4.68 65 310  
 Best Double Couple:Mo=4.7\*10\*\*17  
 NP1:Strike=269 Dip=25 Slip= -63  
 NP2: 60 68 -102

18 21 43 48.47 9.273N 124.075E 519km  
 5.3mb ( 43 obs.)  
 MINDANAO, PHILIPPINE ISLANDS  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 19S, 34C  
 Centroid Location:  
 Origin Time 21:43:49.7 0.5  
 Lat 8.88N 0.04 Lon 124.33E 0.04  
 Dep 538.9 3.4 Half-duration 1.8  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 1.97 P1g= 7 Azm=281  
 N 0.39 66 176  
 P -2.36 23 14  
 Best Double Couple:Mo=2.2\*10\*\*17  
 NP1:Strike= 56 Dip=69 Slip= -12  
 NP2: 150 79 -159

19 01 33 40.43 45.253N 151.176E 27km  
 6.0mb (107 obs.) 6.6Msz ( 37 obs.)  
 KURIL ISLANDS  
 FAULT PLANE SOLUTION: P-Waves  
 NP1:Strike= 55 Dip=66 Slip= 60  
 NP2: 290 38 138  
 Principal Axes:  
 T P1g=58 Azm=283  
 P 16 167  
 Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.

RADIATED ENERGY  
 No. of sta: 18 Focal mech. F  
 Energy 4.6±1.0\*10\*\*13 Nm  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 26S, 71C M.W.: 20S, 35C  
 Centroid Location:  
 Origin Time 01:33:47.3 0.1  
 Lat 45.39N 0.01 Lon 151.07E 0.02  
 Dep 15.0 FIX Half-duration 8.5  
 Principal Axes:  
 Scale 10\*\*19 Nm  
 T Vol= 1.51 P1g=56 Azm=302  
 N 0.04 3 37  
 P -1.55 34 129  
 Best Double Couple:Mo=1.5\*10\*\*19  
 NP1:Strike=233 Dip=11 Slip= 107  
 NP2: 36 79 87

19 18 55 17.48 28.102N 57.304E 27km  
 5.3mb ( 74 obs.) 4.8Msz ( 18 obs.)  
 SOUTHERN IRAN  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 18S, 29C  
 Centroid Location:  
 Origin Time 18:55:21.9 1.1  
 Lat 27.97N 0.11 Lon 57.06E 0.10  
 Dep 15.0 FIX Half-duration 2.2  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Vol= 1.15 P1g=49 Azm= 48  
 N 0.53 31 273  
 P -1.68 23 168

Best Double Couple: Mo=1.4\*10\*\*17  
NP1: Strike=215 Dip=35 Slip= 26  
NP2: 103 75 123

19 21 01 21.54 24.001S 179.871E 529km  
5.0mb ( 32 obs.)  
SOUTH OF FIJI ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 22S, 41C  
Centroid Location:  
Origin Time 21:01:27.3 0.4  
Lat 23.72S 0.05 Lon 179.85W 0.03  
Dep 550.1 1.7 Half-duration 2.4  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 2.87 Plg=65 Azm=117  
N -0.09 6 220  
P -2.78 24 312  
Best Double Couple: Mo=2.8\*10\*\*17  
NP1: Strike= 54 Dip=22 Slip= 106  
NP2: 218 69 84

20 02 03 04.45 16.095S 173.571W 79km  
5.1mb ( 25 obs.)  
TONGA ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 14S, 20C  
Centroid Location:  
Origin Time 02:03: 8.1 1.4  
Lat 16.56S 0.23 Lon 173.13W 0.10  
Dep 91.0 8.5 Half-duration 2.5  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.54 Plg=49 Azm=274  
N 0.05 1 183  
P -1.59 41 92  
Best Double Couple: Mo=1.6\*10\*\*17  
NP1: Strike=165 Dip= 4 Slip= 72  
NP2: 3 86 91

20 02 06 05.30 24.720N 93.103E 41km  
5.3mb ( 84 obs.) 4.8Msz ( 10 obs.)  
MYANMAR-INDIA BORDER REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 13S, 24C  
Centroid Location:  
Origin Time 02:06:10.8 1.6  
Lat 24.47N 0.11 Lon 93.08E 0.12  
Dep 100.8 4.5 Half-duration 1.8  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 10.82 Plg=45 Azm=109  
N 2.25 44 304  
P -13.07 7 206  
Best Double Couple: Mo=1.2\*10\*\*17  
NP1: Strike=258 Dip=54 Slip= 30  
NP2: 150 66 140

20 08 35 37.37 45.133N 151.248E 48km  
5.8mb ( 94 obs.) 5.6Msz ( 25 obs.)  
KURIL ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 27S, 55C  
Centroid Location:  
Origin Time 08:35:38.0 0.3  
Lat 45.28N 0.03 Lon 151.65E 0.05  
Dep 28.6 2.4 Half-duration 2.6  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 4.11 Plg=63 Azm=276  
N 0.07 12 30  
P -4.18 24 126  
Best Double Couple: Mo=4.2\*10\*\*17  
NP1: Strike=239 Dip=24 Slip= 121  
NP2: 26 70 77

21 19 41 11.57 22.788N 143.891E 89km  
5.3mb ( 60 obs.)  
VOLCANO ISLANDS REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 21S, 39C  
Centroid Location:  
Origin Time 19:41: 8.4 0.5  
Lat 22.40N 0.05 Lon 143.99E 0.06  
Dep 77.8 7.8 Half-duration 1.8  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.38 Plg=53 Azm=223

N 0.24 12 329  
P -1.62 34 67  
Best Double Couple: Mo=1.5\*10\*\*17  
NP1: Strike=198 Dip=15 Slip= 140  
NP2: 327 80 78

21 22 02 10.33 8.302N 82.747W 24km  
5.1mb ( 29 obs.) 4.5Msz ( 3 obs.)  
PANAMA-COSTA RICA BORDER REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 14S, 16C  
Centroid Location:  
Origin Time 22:02:14.6 1.4  
Lat 8.36N 0.14 Lon 82.75W 0.14  
Dep 33.0 FIX Half-duration 1.3  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 4.27 Plg=22 Azm=147  
N 2.57 61 285  
P -6.84 17 50  
Best Double Couple: Mo=5.6\*10\*\*16  
NP1: Strike=188 Dip=61 Slip= 176  
NP2: 279 87 29

22 08 43 13.41 45.533N 151.021E 25km  
6.3mb ( 97 obs.) 7.4Msz ( 26 obs.)  
KURIL ISLANDS  
FAULT PLANE SOLUTION: P-Waves  
NP1: Strike= 55 Dip=70 Slip= 90  
NP2: 235 20 90  
Principal Axes:  
T Plg=65 Azm=325  
P 25 145  
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.  
RADIATED ENERGY  
No. of sta: 19 Focal mech. F  
Energy 5.1±0.9\*10\*\*14 Nm  
MOMENT TENSOR SOLUTION  
Dep 52 No. of sta: 22  
Principal Axes:  
Scale 10\*\*20 Nm  
T Val= 2.20 Plg=72 Azm=217  
N -0.01 18 27  
P -2.19 3 118  
Best Double Couple: Mo=2.2\*10\*\*20  
NP1: Strike=226 Dip=45 Slip= 115  
NP2: 12 50 67  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 28S, 79C M.W.: 24S, 71C  
Centroid Location:  
Origin Time 08:43:30.7 0.1  
Lat 45.58N 0.01 Lon 151.55E 0.01  
Dep 31.2 BDY Half-duration 22.2  
Principal Axes:  
Scale 10\*\*20 Nm  
T Val= 2.72 Plg=61 Azm=303  
N 0.09 2 38  
P -2.81 29 129  
Best Double Couple: Mo=2.8\*10\*\*20  
NP1: Strike=226 Dip=16 Slip= 99  
NP2: 37 74 88

22 21 15 42.44 4.893S 103.185E 59km  
5.8mb ( 73 obs.)  
SOUTHERN SUMATERA, INDONESIA  
FAULT PLANE SOLUTION: P-Waves  
NP1: Strike=114 Dip=63 Slip= 110  
NP2: 255 33 56  
Principal Axes:  
T Plg=66 Azm= 60  
P 16 189  
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate right-lateral strike-slip component. The preferred fault plane is NP2.  
RADIATED ENERGY  
No. of sta: 6 Focal mech. C  
Energy 2.6±0.8\*10\*\*11 Nm  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 21S, 41C  
Centroid Location:  
Origin Time 21:15:48.0 0.7  
Lat 5 29S 0.05 Lon 102 95E 0.08

Dep 54.9 5.2 Half-duration 1.8  
Principal Axes  
Scale 10\*\*17 Nm  
T Val= 1.46 Plg=68 Azm= 57  
N -0.12 12 294  
P -1.33 18 200  
Best Double Couple: Mo=1.4\*10\*\*17  
NP1: Strike=272 Dip=29 Slip= 64  
NP2: 121 64 104

23 00 17 00.40 45.609N 151.718E 45km  
5.3mb ( 79 obs.) 4.9Msz ( 13 obs.)  
KURIL ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 18S, 32C  
Centroid Location:  
Origin Time 00:17: 2.0 0.7  
Lat 45.73N 0.09 Lon 152.14E 0.14  
Dep 15.0 FIX Half-duration 1.7  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.42 Plg=35 Azm= 94  
N 0.51 18 352  
P -1.93 50 240  
Best Double Couple: Mo=1.7\*10\*\*17  
NP1: Strike=236 Dip=19 Slip= -24  
NP2: 349 82 -108

23 13 10 04.91 45.854N 151.962E 24km  
6.0mb (104 obs.) 5.3Msz ( 19 obs.)  
KURIL ISLANDS  
FAULT PLANE SOLUTION: P-Waves  
NP1: Strike= 65 Dip=88 Slip= 132  
NP2: 157 42 3  
Principal Axes:  
T Plg=33 Azm= 10  
P 30 122  
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.  
RADIATED ENERGY  
No. of sta: 8 Focal mech. F  
Energy 2.5±0.8\*10\*\*13 Nm  
MOMENT TENSOR SOLUTION  
Dep 24 No. of sta: 8  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.69 Plg=52 Azm= 7  
N 0.01 14 258  
P -1.71 34 158  
Best Double Couple: Mo=1.7\*10\*\*17  
NP1: Strike=201 Dip=17 Slip= 32  
NP2: 80 81 105  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 21S, 37C  
Centroid Location:  
Origin Time 13:10: 6.9 0.5  
Lat 46.22N 0.11 Lon 152.11E 0.13  
Dep 28.1 5.8 Half-duration 1.9  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.52 Plg=39 Azm=352  
N 0.41 18 246  
P -1.92 45 137  
Best Double Couple: Mo=1.7\*10\*\*17  
NP1: Strike=147 Dip=19 Slip= -9  
NP2: 245 87 -109

23 19 57 35.74 3.429S 127.305E 33km  
5.2mb ( 17 obs.)  
SERAM, INDONESIA  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 14S, 24C  
Centroid Location:  
Origin Time 19:57:39.1 1.0  
Lat 3.42S 0.09 Lon 126.81E 0.11  
Dep 33.0 FIX Half-duration 1.6  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 6.52 Plg= 5 Azm=167  
N -0.65 82 291  
P -5.87 7 77  
Best Double Couple: Mo=6.2\*10\*\*16  
NP1: Strike=212 Dip=82 Slip= -178  
NP2: 122 88 -8

24 03 38 17.94 5.702S 110.209E 533km

5 mb ( 37 obs.)  
 JAVA SEA  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 24S, 41C  
 Centroid Location:  
 Origin Time 03:38:21.4 0.6  
 Lat 5.66S 0.04 Lon 110.42E 0.05  
 Dep 541.3 2.4 Half-duration 2.1  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 2.12 P1g= 2 Azm= 19  
 N 0.01 27 110  
 P -2.13 63 285  
 Best Double Couple:Ma=2.1\*10\*\*17  
 NP1:Strike= 84 Dip=49 Slip=-127  
 NP2: 313 53 -55

24 10 47 14.93 9.575S 117.980E 75km  
 5.2mb ( 44 obs.)  
 SUMBAWA REGION, INDONESIA  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 15S, 23C  
 Centroid Location:  
 Origin Time 10:47:19.0 0.8  
 Lat 9.65S FIX:Lon 117.96E FIX  
 Dep 64.0 FIX Half-duration 1.3  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Val= 8.00 P1g=46 Azm=340  
 N -0.19 6 76  
 P -7.81 43 172  
 Best Double Couple:Ma=7.9\*10\*\*16  
 NP1:Strike=333 Dip= 6 Slip= 167  
 NP2: 76 89 84

25 19 23 23.43 45.667N 151.734E 29km  
 5.4mb ( 76 obs.) 5.2Msz ( 16 obs.)  
 KURIL ISLANDS  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 24S, 47C  
 Centroid Location:  
 Origin Time 19:23:25.5 0.3  
 Lat 45.66N 0.03 Lon 152.02E 0.07  
 Dep 32.8 3.0 Half-duration 2.0  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 1.58 P1g=70 Azm= 15  
 N 0.21 10 255  
 P -1.79 17 162  
 Best Double Couple:Ma=1.7\*10\*\*17  
 NP1:Strike=238 Dip=30 Slip= 70  
 NP2: 81 62 101

26 00 04 58.93 25.275N 109.707W 10km  
 5.2mb ( 31 obs.) 5.1Msz ( 4 obs.)  
 GULF OF CALIFORNIA  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 8S, 12C  
 Centroid Location:  
 Origin Time 00:05: 5.3 0.7  
 Lat 25.74N 0.09 Lon 110.05W 0.09  
 Dep 15.0 FIX Half-duration 1.6  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Val= 9.49 P1g= 0 Azm=103  
 N 0.28 90 180  
 P -9.77 0 13  
 Best Double Couple:Ma=9.6\*10\*\*16  
 NP1:Strike=148 Dip=90 Slip=-180  
 NP2: 238 90 0

26 11 35 56.24 54.382N 162.521E 29km  
 5.5mb ( 95 obs.) 5.1Msz ( 15 obs.)  
 NEAR EAST COAST OF KAMCHATKA  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 23S, 47C  
 Centroid Location:  
 Origin Time 11:35:59.5 0.4  
 Lat 54.42N 0.08 Lon 163.07E 0.11  
 Dep 15.0 FIX Half-duration 2.3  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Val= 13.69 P1g=60 Azm=342  
 N -1.53 13 228  
 P -12.15 27 132  
 Best Double Couple:Ma=1.3\*10\*\*17  
 NP1:Strike=194 Dip=22 Slip= 53  
 NP2: 53 73 103

27 02 32 43.11 19.173S 176.400W 26km  
 5.4mb ( 36 obs.) 5.7Msz ( 14 obs.)  
 FIJI ISLANDS REGION  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 24S, 62C  
 Centroid Location:  
 Origin Time 02:32:43.7 0.3  
 Lat 19.38S 0.03 Lon 176.26W 0.03  
 Dep 15.0 FIX Half-duration 4.0  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 1.20 P1g= 1 Azm=262  
 N -0.02 78 166  
 P -1.18 12 352  
 Best Double Couple:Ma=1.2\*10\*\*18  
 NP1:Strike= 37 Dip=81 Slip= -7  
 NP2: 128 83 -171

27 04 05 58.24 56.032S 25.266W 10km  
 6.2mb ( 52 obs.) 7.2Msz ( 33 obs.)  
 SOUTH SANDWICH ISLANDS REGION  
 MOMENT TENSOR SOLUTION  
 Dep 29 No. of sta: 4  
 Principal Axes:  
 Scale 10\*\*19 Nm  
 T Val= 5.90 P1g=28 Azm=212  
 N -0.07 15 310  
 P -5.83 58 64  
 Best Double Couple:Ma=5.9\*10\*\*19  
 NP1:Strike=269 Dip=22 Slip=-133  
 NP2: 134 74 -75  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 29S, 74C M.W.: 19S, 46C  
 Centroid Location:  
 Origin Time 04:06:11.8 0.1  
 Lat 55.91S 0.01 Lon 24.48W 0.02  
 Dep 15.0 BDY Half-duration 14.5  
 Principal Axes:  
 Scale 10\*\*19 Nm  
 T Val= 6.74 P1g=14 Azm=232  
 N -1.43 0 142  
 P -5.31 76 51  
 Best Double Couple:Ma=6.0\*10\*\*19  
 NP1:Strike=322 Dip=31 Slip= -90  
 NP2: 141 59 -90

27 09 09 37.50 51.019N 98.150E 14km  
 5.8mb ( 88 obs.) 6.4Msz ( 20 obs.)  
 RUSSIA-MONGOLIA BORDER REGION  
 FAULT PLANE SOLUTION: P-Waves  
 NP1:Strike= 75 Dip=90 Slip= 1  
 NP2: 345 89 180  
 Principal Axes:  
 T P1g= 1 Azm=300  
 1 210  
 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 1.1\*10\*\*14 Nm  
 MOMENT TENSOR SOLUTION  
 Dep. 11 No. of sta: 9  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 3.15 P1g=21 Azm=303  
 N 0.46 61 77  
 P -3.61 19 205  
 Best Double Couple:Ma=3.4\*10\*\*18  
 NP1:Strike=344 Dip=61 Slip= 178  
 NP2: 74 88 29  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 27S, 74C M.W.: 13S, 20C  
 Centroid Location:  
 Origin Time 09:09:45.8 0.2  
 Lat 51.12N 0.03 Lon 98.14E 0.04  
 Dep 15.0 FIX Half-duration 6.3  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 4.09 P1g= 1 Azm=112  
 N -0.67 77 16  
 P -3.42 13 202  
 Best Double Couple:Ma=3.8\*10\*\*18  
 NP1:Strike=246 Dip=80 Slip= -8  
 NP2: 338 82 -170

27 17 14 27.24 9.035S 157.876E 10km  
 5.3mb ( 25 obs.)

SOLOMON ISLANDS  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 15S, 22C  
 Centroid Location:  
 Origin Time 17:14:31.1 0.5  
 Lat 9.04S 0.09 Lon 157.70E 0.07  
 Dep 15.0 FIX Half-duration 1.9  
 Principal Axes:  
 Scale 10\*\*16 Nm  
 T Val= 11.79 P1g=66 Azm= 31  
 N 1.22 6 134  
 P -13.01 24 227  
 Best Double Couple:Ma=1.2\*10\*\*17  
 NP1:Strike=329 Dip=22 Slip= 106  
 NP2: 132 69 84

28 00 52 10.16 56.102S 24.614W 10km  
 6.1mb ( 31 obs.) 6.7Msz ( 42 obs.)  
 SOUTH SANDWICH ISLANDS REGION  
 RADIATED ENERGY  
 No. of sta: 4 Focal mech. M  
 Energy 9.6\*10\*\*14 Nm  
 MOMENT TENSOR SOLUTION  
 Dep 21 No. of sta: 4  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 7.31 P1g= 5 Azm= 25  
 N -0.37 25 292  
 P -6.94 65 125  
 Best Double Couple:Ma=7.1\*10\*\*18  
 NP1:Strike=139 Dip=46 Slip= -54  
 NP2: 273 55 -121  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 30S, 77C M.W.: 15S, 30C  
 Centroid Location:  
 Origin Time 00:52:21.3 0.1  
 Lat 55.98S 0.01 Lon 24.18W 0.02  
 Dep 17.6 0.7 Half-duration 7.9  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 10.21 P1g=19 Azm=231  
 N -0.62 19 327  
 P -9.59 63 100  
 Best Double Couple:Ma=9.9\*10\*\*18  
 NP1:Strike=293 Dip=31 Slip=-129  
 NP2: 156 66 -69

28 03 40 31.61 6.446S 150.344E 26km  
 5.3mb ( 23 obs.) 5.3Msz ( 5 obs.)  
 NEW BRITAIN REGION, P.N.G.  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 12S, 22C  
 Centroid Location:  
 Origin Time 03:40:34.8 1.2  
 Lat 6.39S 0.15 Lon 150.36E 0.13  
 Dep 21.911 Half-duration 3.0  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 5.58 P1g=50 Azm=338  
 N 0.57 8 79  
 P -6.15 38 175  
 Best Double Couple:Ma=5.9\*10\*\*17  
 NP1:Strike=312 Dip=10 Slip= 144  
 NP2: 78 84 82

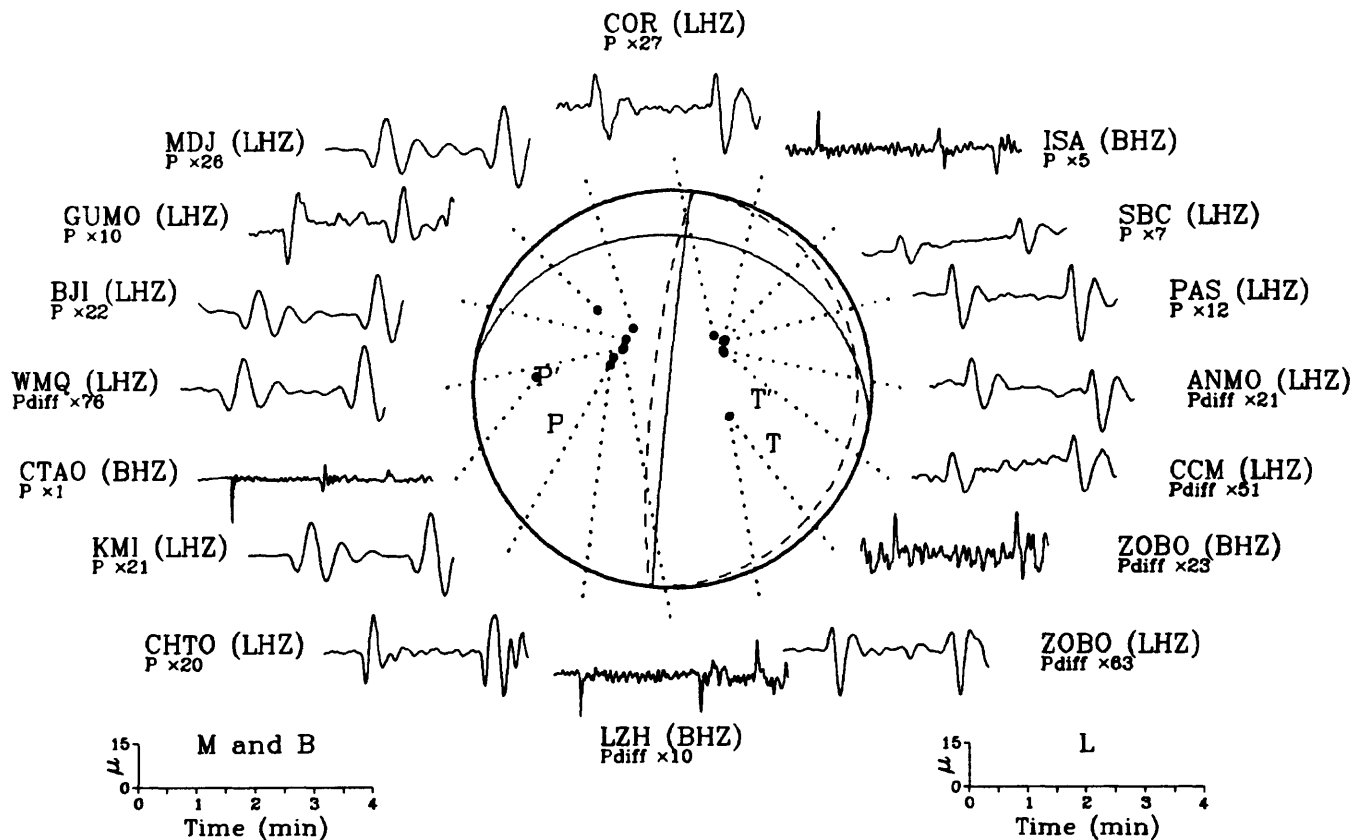
28 05 08 28.87 6.437S 150.404E 59km  
 5.0mb ( 26 obs.)  
 NEW BRITAIN REGION, P.N.G.  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 21S, 42C  
 Centroid Location:  
 Origin Time 05:08:30.5 0.7  
 Lat 6.81S 0.06 Lon 150.69E 0.06  
 Dep 15.0 FIX Half-duration 2.5  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 3.03 P1g=65 Azm=300  
 N 0.43 17 70  
 P -3.46 18 166  
 Best Double Couple:Ma=3.2\*10\*\*17  
 NP1:Strike=282 Dip=31 Slip= 125  
 NP2: 62 65 71

28 11 05 19.01 6.360S 150.242E 22km  
 5.3mb ( 32 obs.) 5.5Msz ( 20 obs.)  
 NEW BRITAIN REGION, P.N.G.  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 26S, 61C

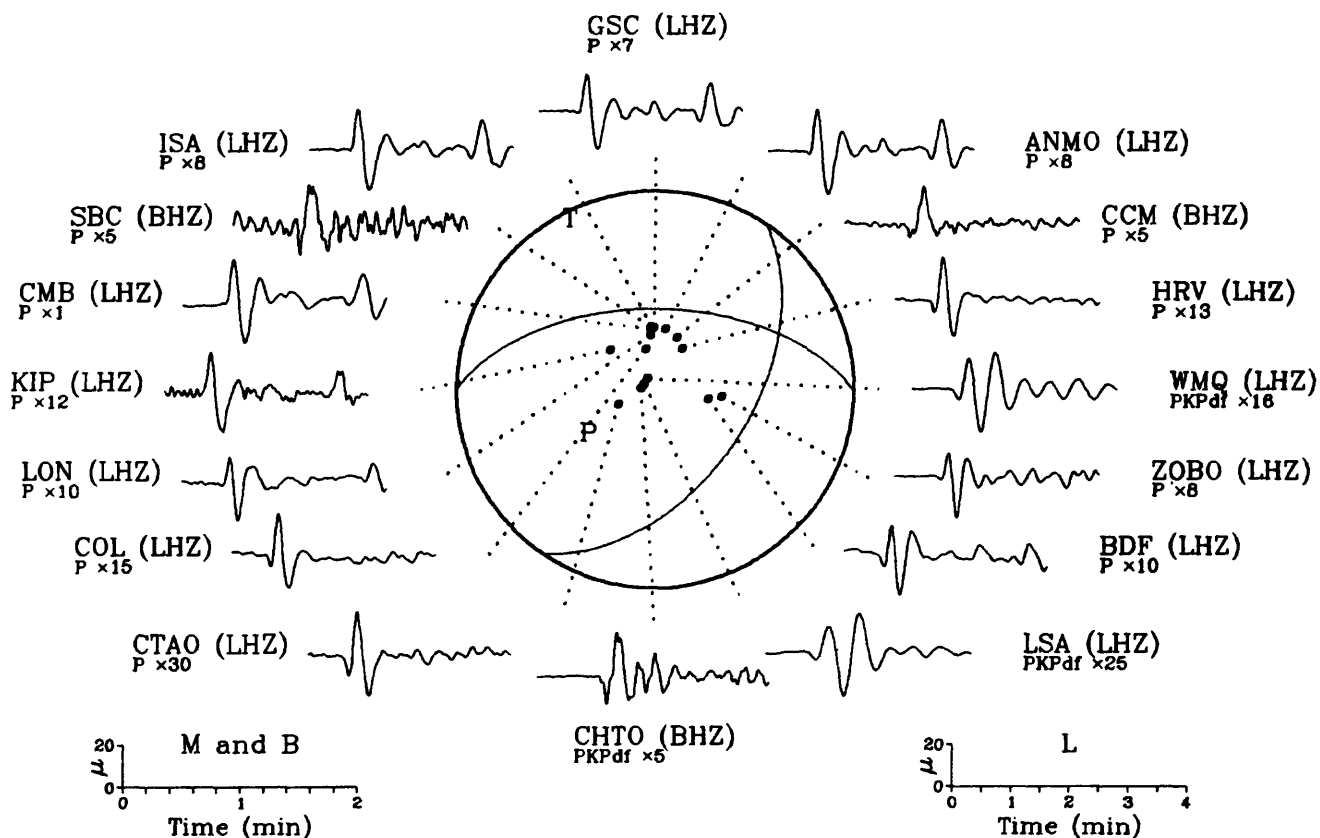
Centroid Location:	Principal Axes	30 22 07 43.52 4.589S 152.943E 61km
Origin Time 11:05:28.0 0 4	T Val= 6.54 Plg=67 Azm=346	5.1mb ( 24 obs.)
Lat 6.53S 0.04 Lon 150.57E 0 03	N 0.23 2 252	NEW BRITAIN REGION, P.N.G.
Dep 15.0 FIX Half-duration 3 0	P -6.76 22 162	CENTROID, MOMENT TENSOR (HRV)
Principal Axes:	Best Double Couple:Mo=6.7*10**17	Data Used: GDSN
Scale 10**17 Nm	NP1:Strike=248 Dip=23 Slip= 86	L.P.B.: 15S, 23C
	NP2: 73 67 92	Centroid Location:
		Origin Time 22:07:44.1 1.4
		Lat 4.84S 0.11 Lon 153.08E 0.12
		Dep 15.0 FIX Half-duration 1.5
		Principal Axes:
		Scale 10**16 Nm
		T Val= 8.63 Plg=60 Azm=354
		N -0.71 3 89
		P -7.92 30 181
		Best Double Couple:Mo=8.3*10**16
		NP1:Strike=281 Dip=15 Slip= 102
		NP2: 88 75 87
28 15 59 47.10 56.573S 25.325W 58km		30 22 37 58.85 17.713N 61.628W 47km
5.1mb ( 9 abs.)		5.1mb ( 52 obs.) 4.9Msz ( 7 obs.)
SOUTH SANDWICH ISLANDS REGION		LEEWARD ISLANDS
CENTROID, MOMENT TENSOR (HRV)		CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN		Data Used: GDSN
L.P.B.: 21S, 38C		L.P.B.: 17S, 33C
Centroid Location:		Centroid Location:
Origin Time 15:59:53.6 0.4		Origin Time 22:38: 2.0 0.7
Lat 56.37S 0.05 Lon 25.27W 0.10		Lat 17.78N 0.07 Lon 61.14W 0.07
Dep 15.0 FIX Half-duration 2.0		Dep 49.0 FIX Half-duration 1.9
Principal Axes:		Principal Axes:
Scale 10**17 Nm		Scale 10**16 Nm
T Val= 1.82 Plg=64 Azm=283		T Val= 8.96 Plg=74 Azm=217
N 0.13 16 159		N 2.10 6 330
P -1.95 21 63		P -11.06 15 61
Best Double Couple:Mo=1.9*10**17		Best Double Couple:Mo=1.0*10**17
NP1:Strike=127 Dip=28 Slip= 55		NP1:Strike=161 Dip=31 Slip= 103
NP2: 346 68 107		NP2: 326 60 83
29 18 39 09.46 4.421S 132.727E 37km		
6.0mb ( 69 abs.) 6.1Msz ( 26 abs.)		
IRIAN JAYA REGION, INDONESIA		
FAULT PLANE SOLUTION: P-Waves		
NP1:Strike=317 Dip=80 Slip=-170		
NP2: 225 80 -10		



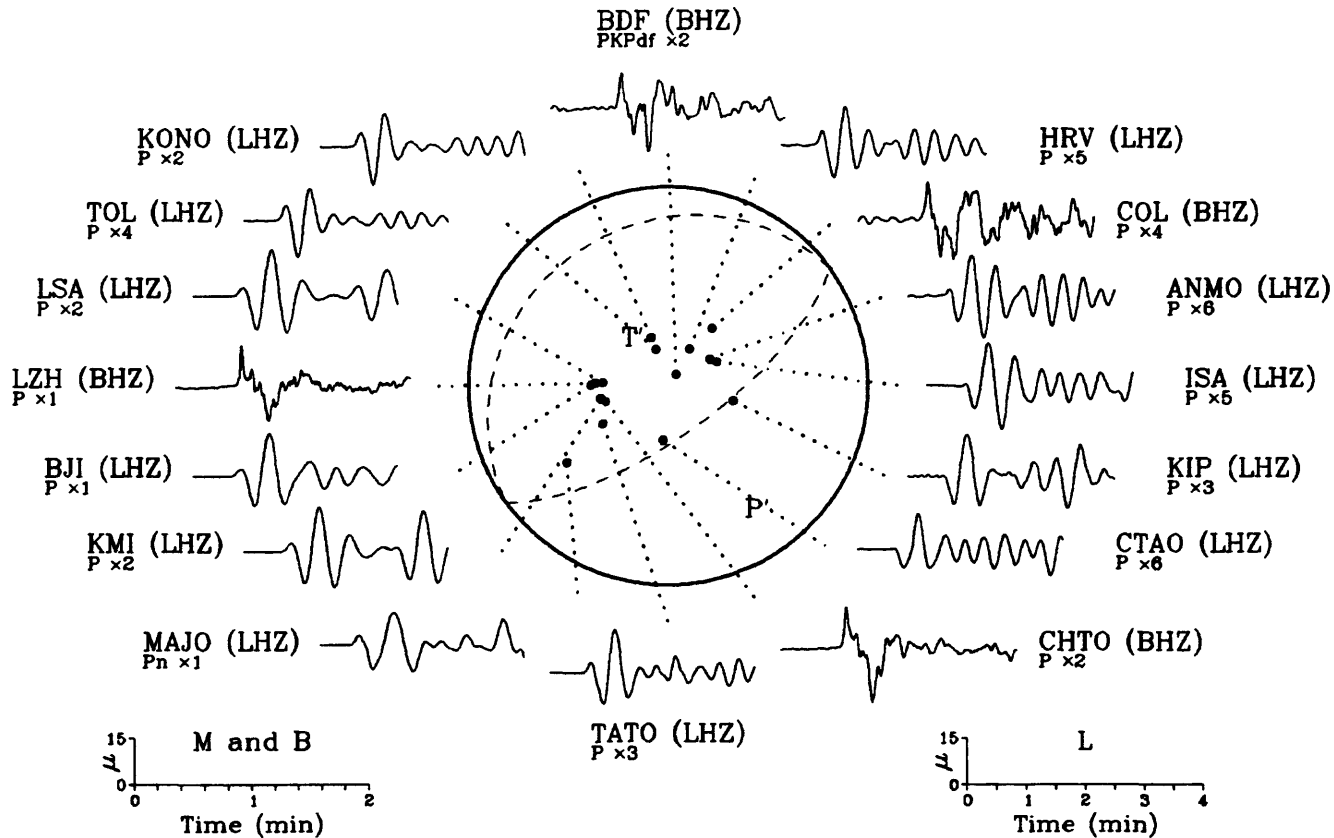
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South of Fiji Islands



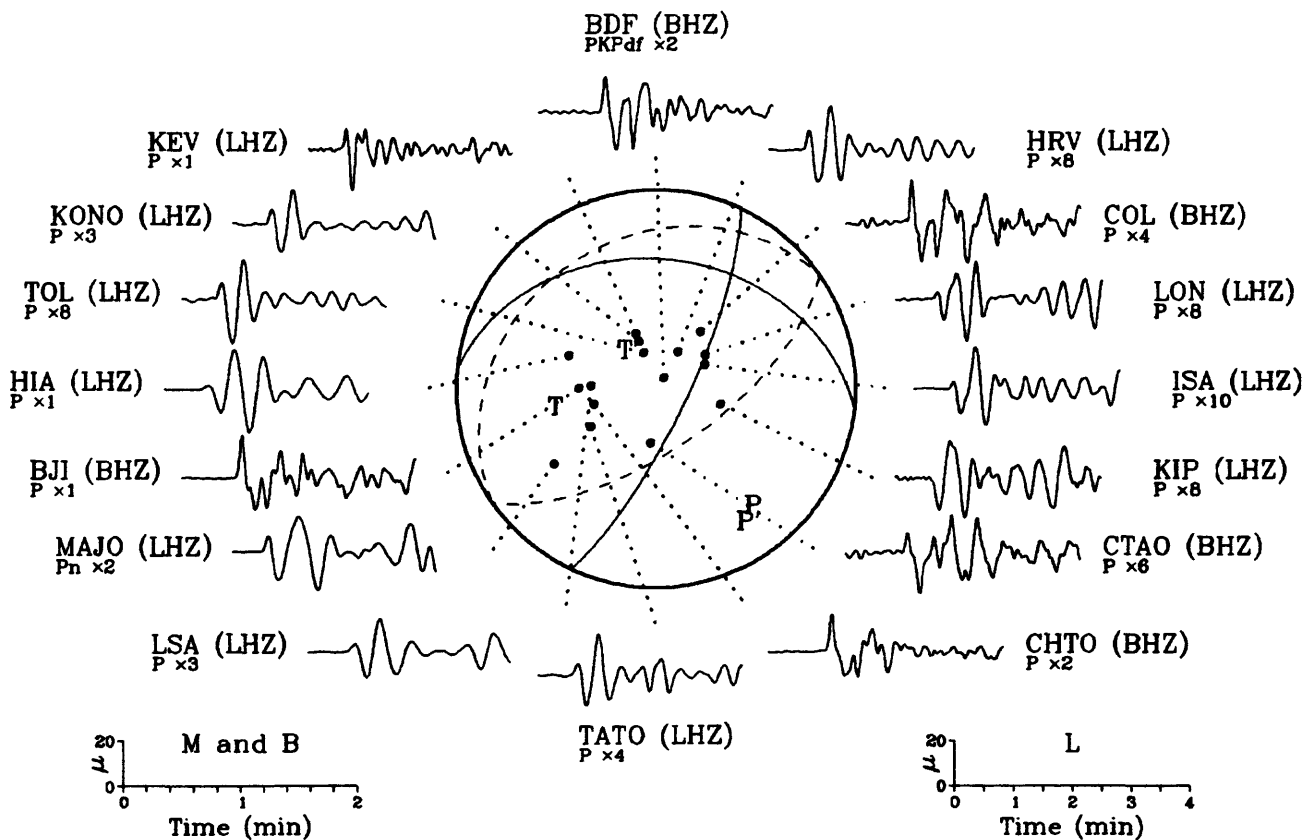
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Southern East Pacific Rise



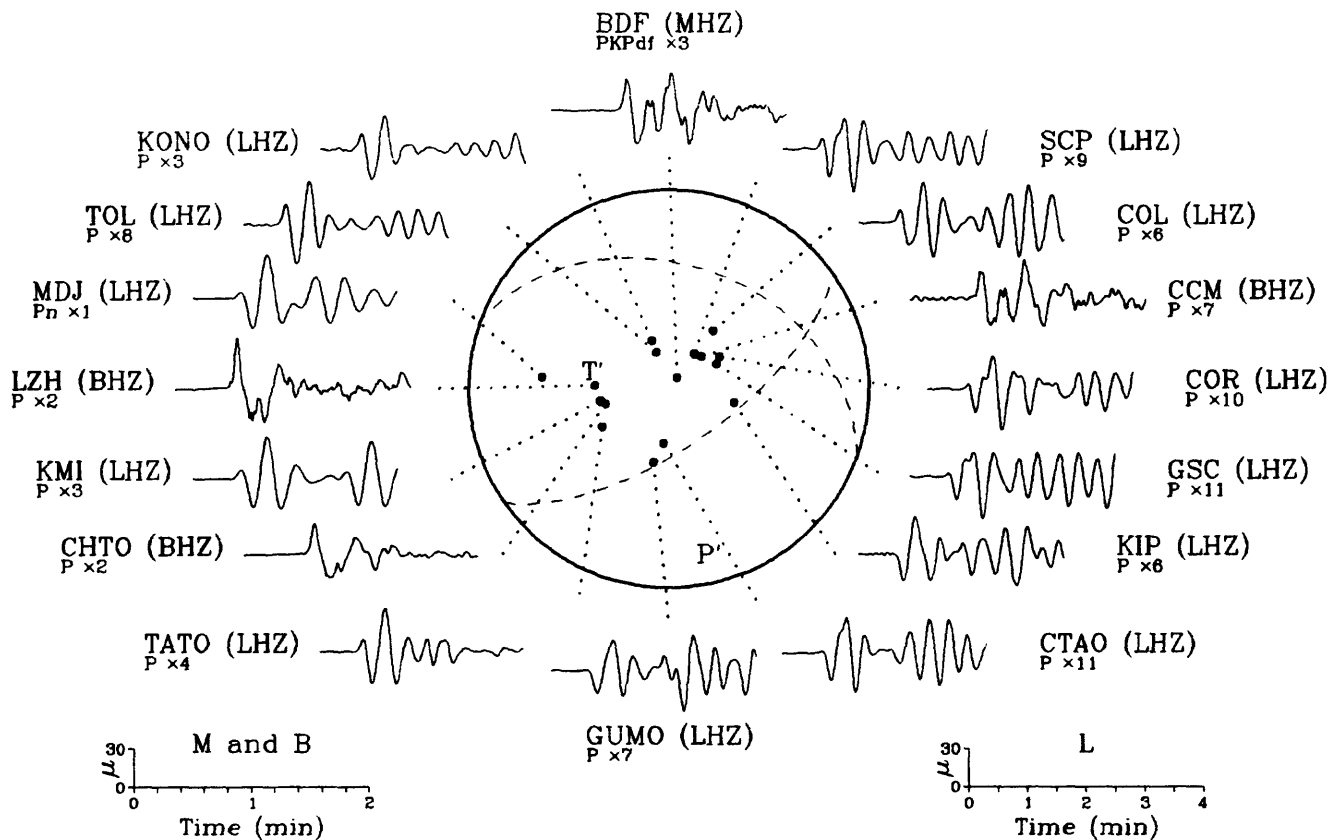
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Kuril Islands



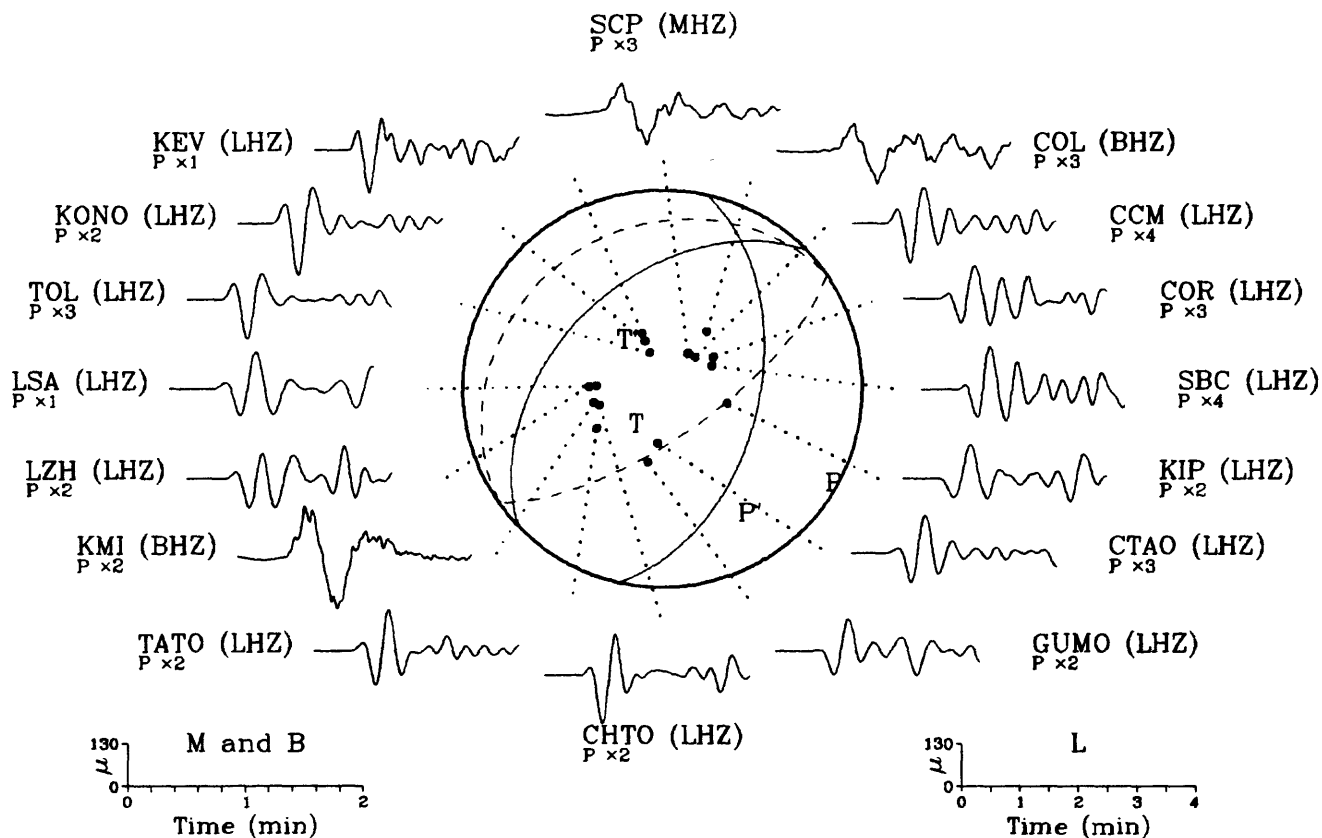
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Kuril Islands



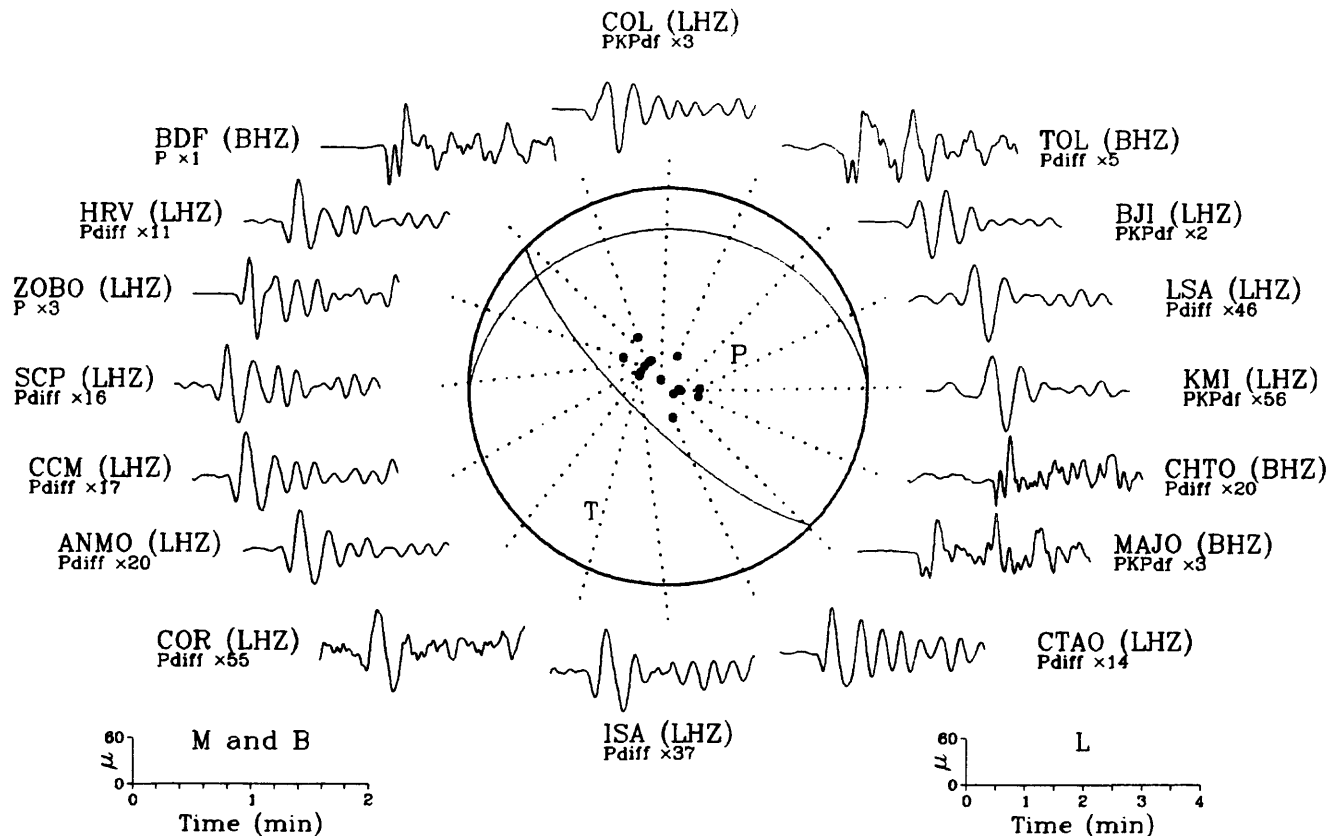
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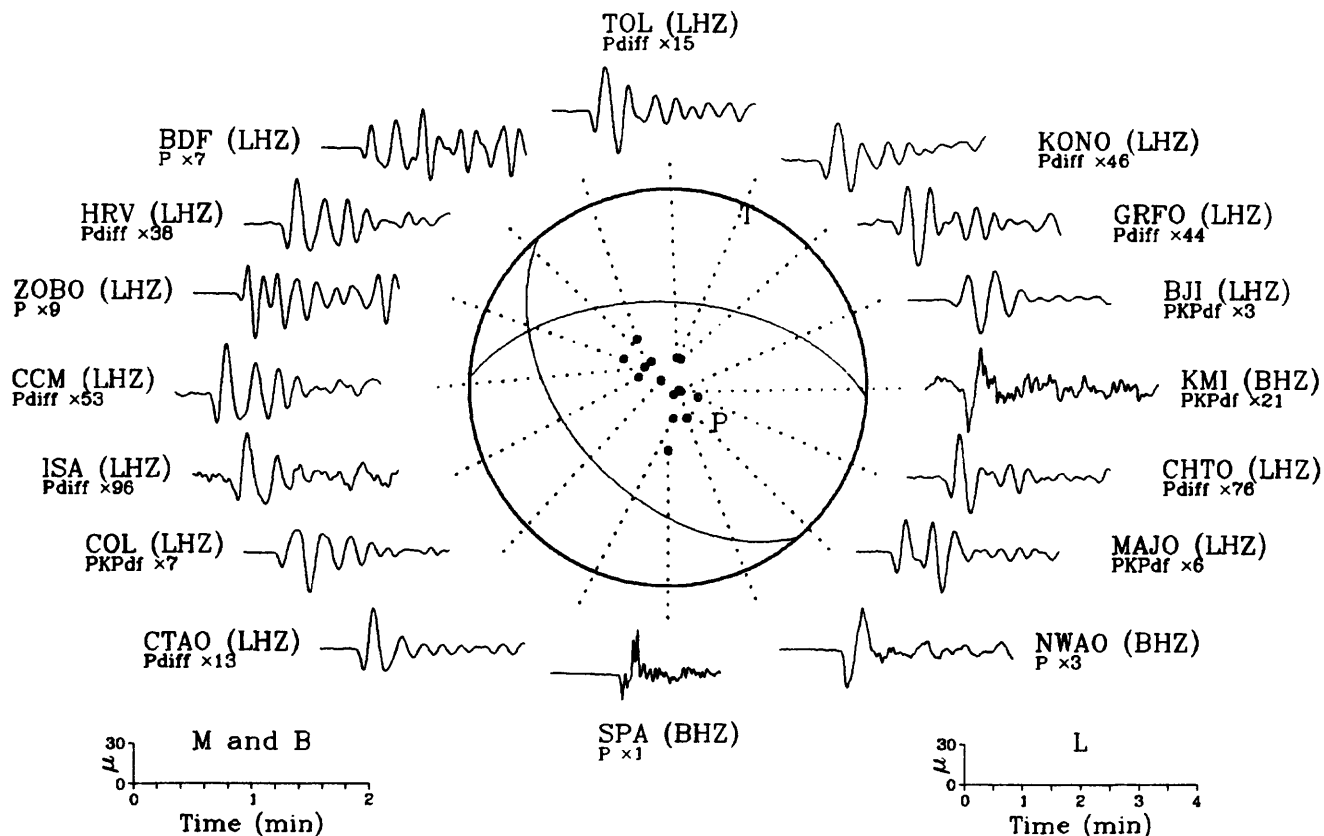
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Kuril Islands



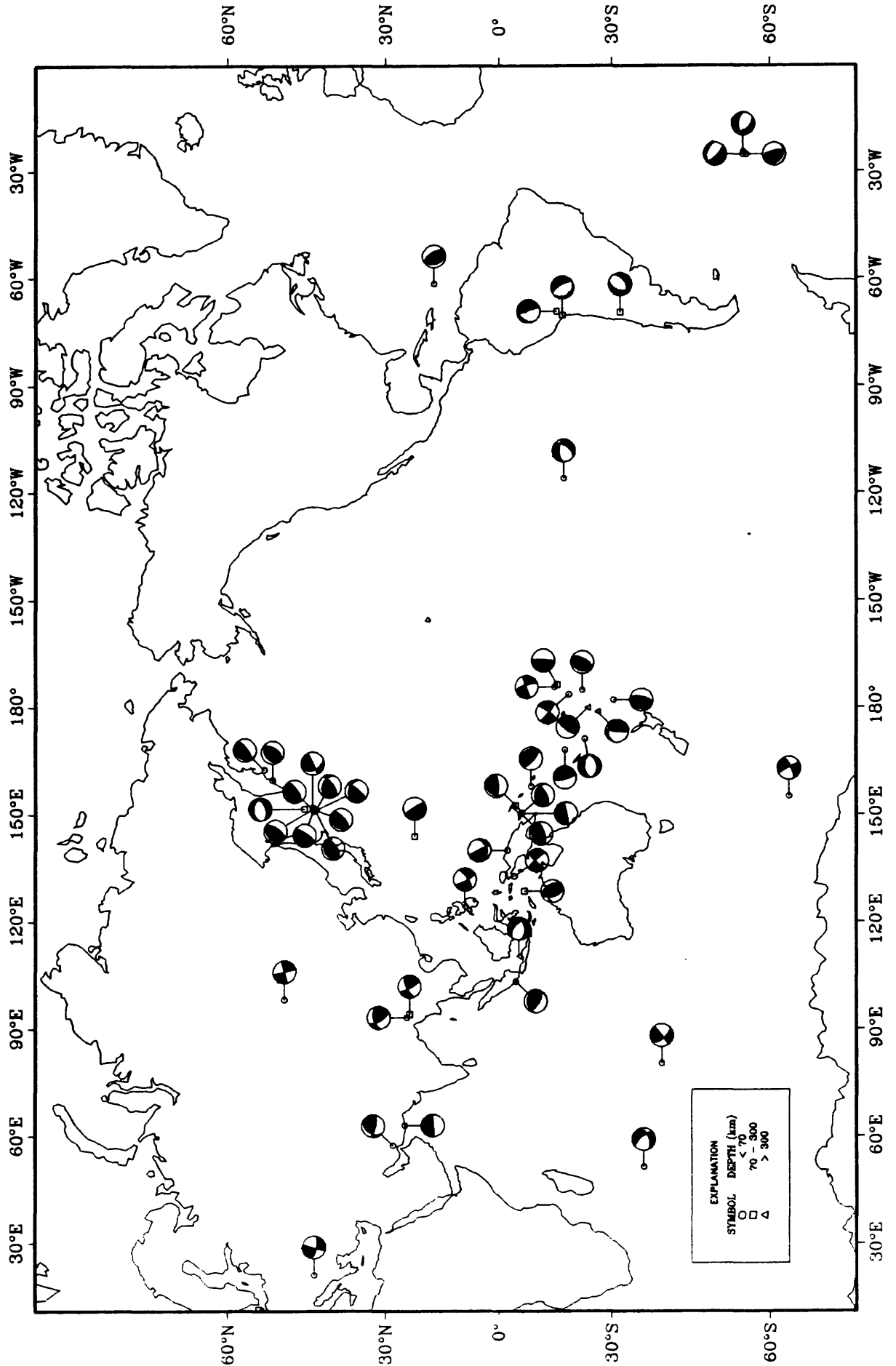
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South Sandwich Islands Region

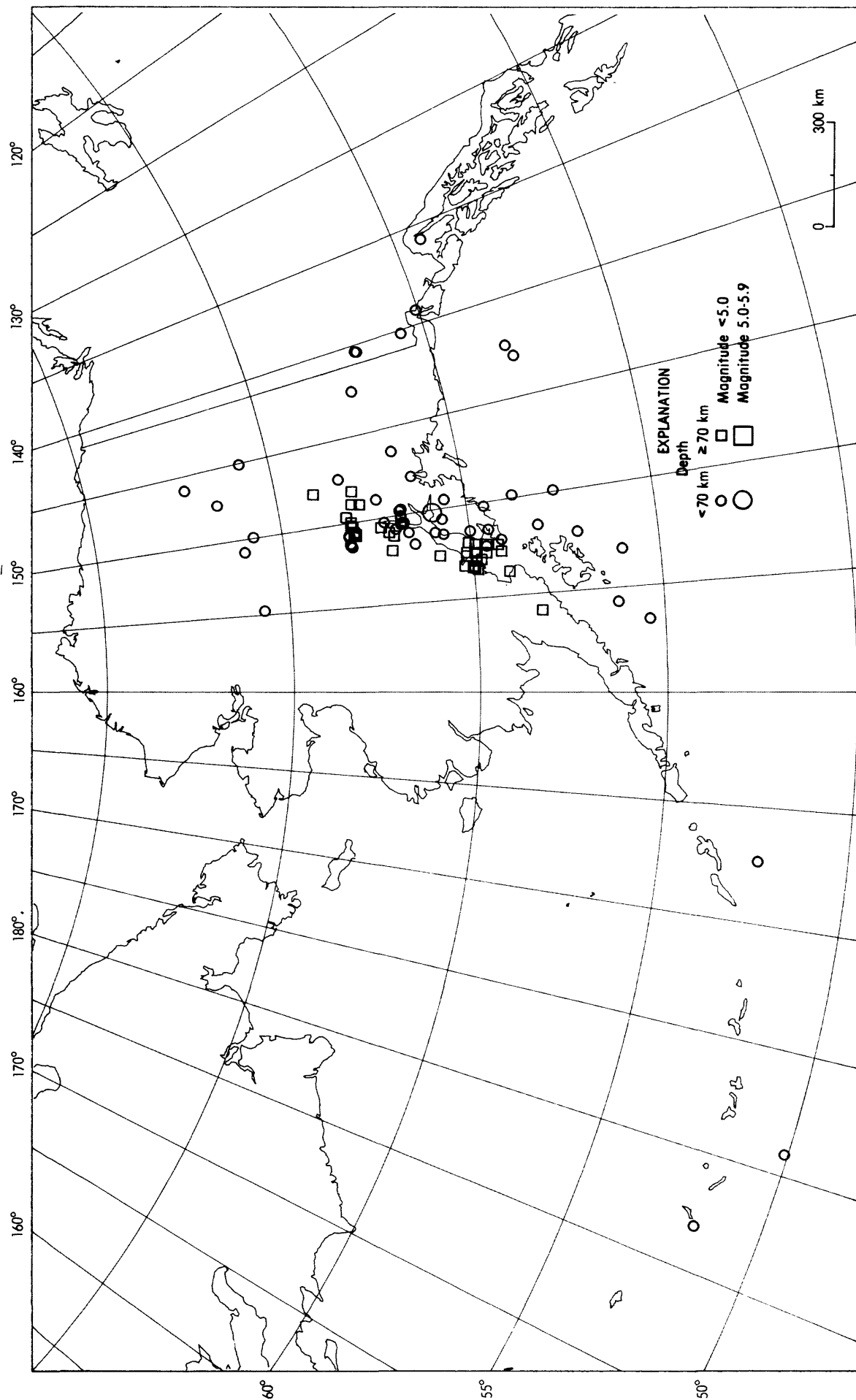


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South Sandwich Islands Region

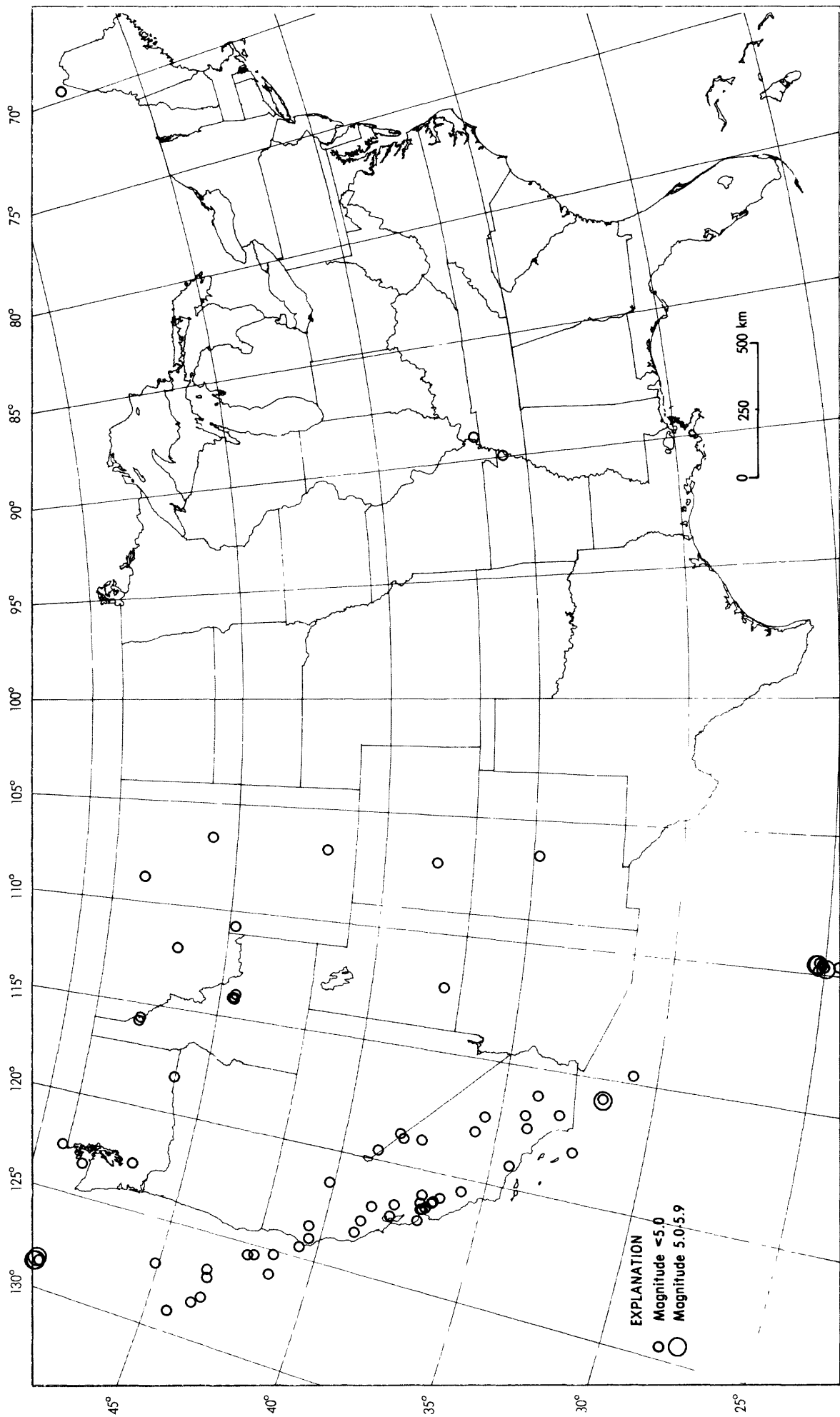


# Earthquake Focal Mechanisms for December 1991

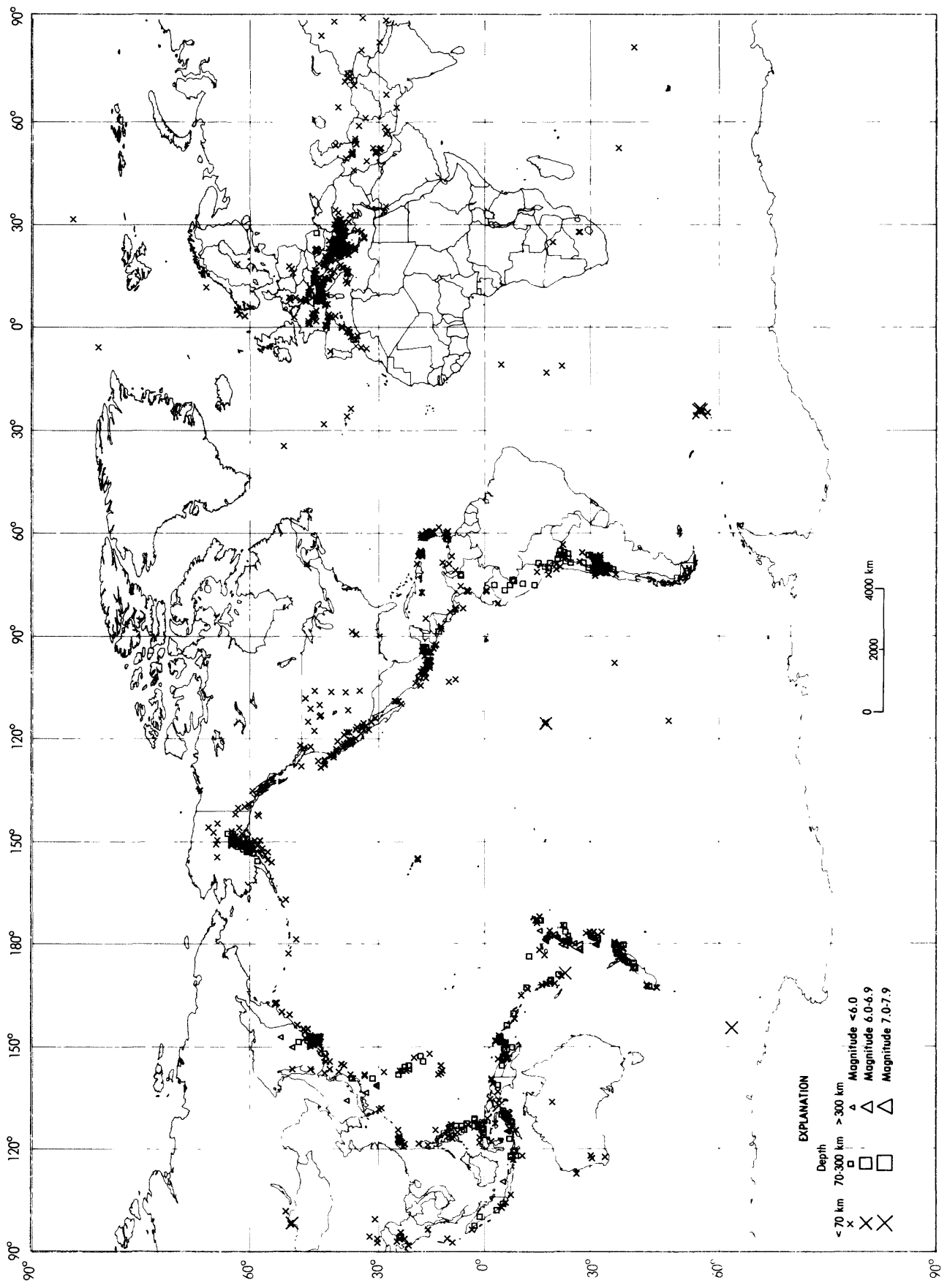




Earthquake epicenters in Alaska and adjacent regions for December, 1991 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for December, 1991 (C. Stover).



Earthquakes located in December, 1991 (C. Stover).





# PRELIMINARY DETERMINATION OF EPICENTERS

## MONTHLY LISTING

### U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY National Earthquake Information Center

NOVEMBER 1991

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 58 24.3*	45.451 N 3.861 E	10 G			0.8	10 FRANCE. ML 1.9 (LDG).
	01	02 02 03.4*	38.750 N 27.265 E	28 *			0.6	6 TURKEY
	01	02 51 12.7	1.235 N 122.105 E	37 D	5.6 5.5		1.2	177 MINAHASSA PENINSULA, SULAWESI
	01	03 06 37.2	44.186 N 12.165 E	10 G			1.3	17 NORTHERN ITALY. MD 2.4 (FIR).
	01	03 15 04.9*	36.826 N 29.335 E	10 G			1.4	5 TURKEY
	01	05 49 04.6*	51.282 N 15.919 E	10 G			1.1	5 POLAND
	01	05 50 07.6*	19.323 N 64.230 W	33 N	4.1		1.3	17 VIRGIN ISLANDS
	01	06 14 19.6*	33.594 S 71.622 W	33 N			0.4	9 NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
	01	06 17 10.3	44.978 N 10.020 E	23			1.0	56 NORTHERN ITALY. ML 3.5 (LDG), 3.4 (FUR).
	01	06 28 14.1*	30.708 N 50.060 E	33 N	4.8		1.3	17 NORTHERN IRAN
	01	07 07 27.4*	42.344 N 19.399 E	10 G			0.5	9 NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
	01	07 19 50.0*	22.373 S 170.672 E	33 N	4.8		1.1	28 LOYALTY ISLANDS REGION
	01	07 59 13.1	40.989 N 22.339 E	10 G			0.6	7 GREECE. ML 2.1 (SKO).
	01	08 03 12.9*	49.600 N 119.243 W	5 G				15 BRITISH COLUMBIA, CANADA. <PGC>. ML 2.0 (PGC). MD 2.6 (SEA)
	01	08 07 39.1*	17.72 N 66.15 W	10 G			0.5	5 PUERTO RICO REGION
	01	10 14 41.1	58.729 N 149.580 W	10 G			0.8	51 GULF OF ALASKA ML 3.1 (AEIC), 3.3 (PMR).
	01	11 05 05.2*	18.67 N 103.21 W	33 N			1.5	6 NEAR COAST OF MICHIOACAN, MEXICO
	01	11 19 35.3*	42.403 N 19.108 E	10 G			0.5	9 NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
	01	12 29 03.8	45.124 N 22.950 E	10 G			0.7	10 ROMANIA
	01	13 04 39.7*	59.892 N 151.255 W	59				87 KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC), 3.4 (PMR). Felt (III) in the Homer area.
	01	13 10 50.6	39.344 N 20.465 E	10 G			0.8	13 GREECE-ALBANIA BORDER REGION
	01	13 17 44.8	44.978 N 9.940 E	10 G			0.9	37 NORTHERN ITALY. ML 3.0 (LDG). MD 3.0 (FIR).
	01	13 30 19.1	44.991 N 9.936 E	13			1.0	39 NORTHERN ITALY. ML 3.0 (LDG). MD 3.0 (FIR).
	01	14 04 35.3*	32.280 N 115.170 W	6				8 CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.3 (PAS).
	01	15 28 34.8*	35.750 N 116.530 W	6 G				12 CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	f 01	16 23 22.3	30.255 S 177.981 W	21 G	6.4 6.5	1.1	484	KERMADEC ISLANDS, NEW ZEALAND. Ms 6.7 (BRK). Mo=1.0*10**19 Nm (PPT). Felt on Rooul Island. Two events about 5 seconds apart. Depth from broadband displacement seismograms, based on first event.
	01	16 27 06.1*	62.845 N 150.297 W	87				30 CENTRAL ALASKA. <AEIC>.
	01	16 28 58.0*	42.366 N 7.847 W	10 G			1.4	5 SPAIN. mbLg 3.1 (MDD).
	01	16 32 53.7	30.430 S 177.731 W	10 G	5.7		1.3	40 KERMADEC ISLANDS, NEW ZEALAND. Felt on Rooul Island.
	01	16 52 56.4	46.550 N 152.782 E	43 D	5.0 6.0		0.8	81 KURIL ISLANDS
	01	18 36 27.1*	30.37 S 177.71 W	10 G			1.4	9 KERMADEC ISLANDS, NEW ZEALAND
	01	19 40 45.2	9.313 S 154.189 E	39 D	5.1		0.8	41 D'ENTRECASTEAUX ISLANDS REGION
	01	20 20 21.9*	19.328 N 155.207 W	9				42 HAWAII. <HVO-P>. ML 4.0 (HVO). Felt at Ainaloo, Hawaiian Volcano Observatory, Pahalo, Papaikau and Volcano.
	01	21 12 02.5*	37.044 N 29.551 E	10 G			1.1	5 TURKEY
	01	21 25 05.4*	19.59 S 67.37 W	33 N			1.2	5 SOUTHERN BOLIVIA
	01	21 27 39.7*	6.93 N 93.11 E	33 N			1.4	7 NICOBAR ISLANDS, INDIA
	01	22 37 14.0	39.048 N 22.370 E	10 G			0.4	14 GREECE. ML 3.1 (ATH).
	01	22 46 43.2	40.025 N 23.392 E	10 G			0.7	10 GREECE
	01	23 04 17.7*	59.979 N 140.686 W	1				12 SOUTHEASTERN ALASKA. <AEIC>. ML 2.9 (AEIC).
	01	23 24 15.7*	47.21 N 2.37 W	10 G			0.5	4 FRANCE. ML 2.4 (LDG).
	01	23 26 11.3*	30.880 S 177.873 W	33 N	4.9		1.5	19 KERMADEC ISLANDS, NEW ZEALAND
	02	01 10 47.3*	40.33 N 125.15 W	10 G			0.9	9 OFF COAST OF NORTHERN CALIFORNIA. MD 3.5 (GM).
	02	01 30 31.3*	4.880 S 128.206 E	33 N	4.0		0.6	6 BANDA SEA
	02	01 36 01.1	39.269 N 20.947 E	10 G			0.8	14 GREECE-ALBANIA BORDER REGION
	02	03 10 20.5*	18.82 N 76.75 W	10 G			0.7	7 JAMAICA REGION. MD 3.7 (HOJ). Felt (III) in St. Mary Parish.
	02	03 26 03.3*	40.358 N 21.086 E	5 G			1.0	8 GREECE
	02	04 43 20.3*	45.019 N 2.976 E	5 G			1.2	13 FRANCE. ML 2.2 (LDG).
	02	07 11 17.7*	39.380 N 28.851 E	10 G			0.8	6 TURKEY
	02	08 03 12.5*	4.24 S 144.86 E	128 ?	4.5		1.1	6 NEAR N COAST OF NEW GUINEA, PNG.

02	08 56 33.2*	32.111 S	69 219 W	123 ?	0.7	10	MENDOZA PROVINCE, ARGENTINA. MD 4.3 (SAN).	
02	10 42 27.5	44 978 N	9 995 E	24	1.0	70	NORTHERN ITALY. ML 3.3 (LDG), 2.8 (ROM), 2.5 (STR). MD 3.5 (TRI)	
02	12 35 18.5&	59.662 N	152.183 W	69		53	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC), 3.1 (PMR). Felt (III) at Homer.	
02	13 17 15.1*	17.326 N	61.604 W	33 N	0.3	9	LEEWARD ISLANDS. ML 3.0 (FDF).	
02	13 31 50.2*	41.951 N	19.647 E	10 G	0.2	9	ALBANIA. ML 1.9 (TTG)	
02	13 55 24.3*	36.525 N	71.307 E	115 ?	1.0	14	AFGHANISTAN-TAJIKISTAN BORD REG.	
02	14 59 36.2	7.828 N	127.112 E	41 D	1.3	36	PHILIPPINE ISLANDS REGION	
02	15 26 56.6	11.314 N	126.123 E	41 D	1.1	67	PHILIPPINE ISLANDS REGION	
02	16 38 26.3	38 577 N	17.424 E	33 N	1.2	26	SOUTHERN ITALY. ML 3.6 (TTG). MD 3.7 (ATH).	
02	16 52 14.8*	3.013 S	141.559 E	33 N	1.0	15	NEW GUINEA, PAPUA NEW GUINEA	
02	17 20 16.5	40.156 N	25.538 E	10 G	0.8	18	AEGEAN SEA. MD 3.1 (ATH).	
02	20 45 30.3	46.291 N	13.559 E	5 G	1.1	23	AUSTRIA. ML 3.0 (FUR). MD 3.2 (LJU), 2.8 (TRI). Felt (V) at Bovec, Yugoslavia.	
02	21 16 16.3*	16.990 N	99.727 W	10 G	1.2	8	NEAR COAST OF GUERRERO, MEXICO	
02	21 53 18.9*	4.737 S	145.097 E	80 *	0.6	7	NEAR N COAST OF NEW GUINEA, PNG.	
02	22 03 32.2	30.570 N	50.109 E	33 N	1.5	28	NORTHERN IRAN. Felt at Behbahan.	
02	22 19 35.7?	30.23 N	132.55 E	33 N	0.8	6	SOUTHEAST OF SHIKOKU, JAPAN	
02	22 24 43.8*	35.602 N	32.519 E	99 ?	0.9	14	CYPRUS REGION	
03	00 02 25.9	28.365 N	103.984 E	33 N	1.2	25	SICHUAN, CHINA	
03	00 04 07.0*	43.736 N	19.526 E	10 G	1.5	11	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG).	
03	00 45 11.2?	33.11 S	72.12 W	10 G	0.5	7	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).	
03	01 31 24.3&	63.222 N	150.555 W	132		66	CENTRAL ALASKA. <AEIC>.	
03	02 09 59.0?	34.21 S	70.57 W	70 G	0.2	5	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).	
03	03 42 41.0?	37.56 N	69.46 E	33 N	0.6	6	AFGHANISTAN-TAJIKISTAN BORD REG.	
03	04 17 19.1	23.451 N	121.585 E	59 *	1.4	25	TAIWAN	
03	05 39 07.8*	40.011 N	73.003 E	33 N	1.4	16	KYRGYZSTAN	
03	06 33 07.9?	19.67 S	177.58 W	638 ?	1.1	24	FIJI ISLANDS REGION	
03	06 46 38.7?	32.94 S	70.22 W	33 N	1.0	7	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).	
03	08 29 58.8*	31.877 S	70.312 W	33 N	0.9	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).	
03	08 52 27.4*	38.774 N	119.640 W	5 G	0.7	5	CALIFORNIA-NEVADA BORDER REGION. MD 2.7 (GM).	
03	09 17 42.1	44.145 N	12.294 E	10 G	1.1	15	NORTHERN ITALY. MD 3.1 (TRI).	
03	09 19 34.8	44.191 N	12.178 E	10 G	0.7	23	NORTHERN ITALY. ML 3.0 (LDG). MD 3.2 (TRI), 2.8 (FIR).	
03	09 57 08.4*	9.551 S	160.990 E	113 *	1.0	23	SOLOMON ISLANDS	
03	10 29 25.5*	3.872 N	126.646 E	33 N	0.9	16	TALAUD ISLANDS, INDONESIA	
03	10 56 40.0?	52.76 N	35.14 W	10 G	1.4	12	NORTH ATLANTIC OCEAN	
03	11 26 36.5*	39.516 N	28.481 E	10 G	0.8	12	TURKEY	
03	11 49 40.5	3.834 N	126.449 E	93 ?	0.9	25	TALAUD ISLANDS, INDONESIA	
03	12 41 35.0	38.731 N	23.438 E	10 G	0.3	9	GREECE. ML 3.3 (ATH).	
03	14 56 37.7	31.562 N	140.218 E	110 D	0.6	30	SOUTH OF HONSHU, JAPAN	
03	15 12 06.7*	3.008 N	129.324 E	33 N	0.9	8	NORTH OF HALMAHERA, INDONESIA	
03	15 23 39.5*	2.920 N	129.291 E	33 N	0.8	14	HALMAHERA, INDONESIA	
03	17 37 47.6*	16.560 S	173.998 W	33 N	1.3	44	TONGA ISLANDS	
03	17 52 45.2?	43.28 N	18.20 E	10 G	0.6	7	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).	
03	18 00 00.7?	43.28 N	18.23 E	10 G	1.1	7	NORTHWESTERN BALKAN REGION. ML 2.5 (TTG).	
03	18 14 13.8	7.040 S	155.003 E	63 *	1.1	57	SOLOMON ISLANDS	
03	18 23 50.8*	36.482 N	5.489 W	10 G	0.7	5	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).	
03	18 28 55.4	26.895 S	26.700 E	5 G	0.7	53	REPUBLIC OF SOUTH AFRICA	
03	18 46 26.6*	42.824 N	145.793 E	45 *	1.4	23	HOKKAIDO, JAPAN REGION	
03	18 51 55.1?	43.36 N	18.18 E	10 G	0.6	7	NORTHWESTERN BALKAN REGION. ML 2.6 (TTG).	
03	19 37 04.7	43.155 N	17.744 E	10 G	1.1	13	NORTHWESTERN BALKAN REGION. ML 3.0 (TTG). MD 3.5 (TRI).	
03	19 53 30.3*	40.014 N	23.294 E	5 G	0.3	9	GREECE	
03	20 43 29.6	70.030 N	131.271 W	10 G	0.9	37	BEAUFORT SEA	
03	21 04 02.4&	62.001 N	148.627 W	36		49	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).	
03	22 21 30.0&	38.228 N	118.747 W	11		15	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.7 (BRK).	
03	22 38 29.5&	38.233 N	118.762 W	10		12	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK).	
03	22 45 43.6&	38.233 N	118.765 W	6		10	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.3 (BRK).	
03	23 05 43.2	36.470 N	70.656 E	164 *	1.1	34	HINDU KUSH REGION, AFGHANISTAN. Felt at Chitral, Pakistan.	
04	00 05 47.3&	60.074 N	151.684 W	71	3.8	82	KENAI PENINSULA, ALASKA. <AEIC>. Felt (III) at Homer.	
04	00 45 16.9&	38.232 N	118.758 W	8		11	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.1 (BRK).	
04	00 46 26.4	43.072 N	0.597 W	10 G	0.1	7	PYRENEES. ML 1.6 (STR).	
04	00 50 35.6&	38.243 N	118.757 W	5		11	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).	
04	01 36 58.0*	43.229 N	18.824 E	10 G	0.3	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).	
04	01 41 52.1	43.403 N	126.887 W	10 G	0.6	81	OFF COAST OF OREGON	
a 04	01 50 31.6	30.666 N	50.218 E	39	5.4 5.4	1.2	298	NORTHERN IRAN. Fifty-one people injured and 290 houses destroyed or damaged in the Behbahan area.
04	02 31 23.3?	45.05 N	6.46 E	10 G	0.3	5	FRANCE. ML 2.0 (GEN).	
04	02 41 50.4?	6.00 S	151.38 E	33 *	0.7	6	NEW BRITAIN REGION, P.N.G.	
04	02 42 36.3*	31.558 S	69.388 W	124 ?	0.4	12	SAN JUAN PROVINCE, ARGENTINA. MD 3.8 (SAN).	
04	03 04 05.0	30.922 N	50.135 E	35 *	1.1	30	NORTHERN IRAN. Felt in the Behbahan area.	
04	04 09 43.3	30.673 N	50.147 E	49	4.9 4.5	1.2	63	NORTHERN IRAN. Felt in the Behbahan area.
04	04 12 39.0*	10.062 S	119.420 E	10 G	4.3	1.2	11	SUMBA REGION, INDONESIA. Felt (II) at Waingapu.
04	04 17 17.8&	58.338 N	136.877 W	10 G		53	SOUTHEASTERN ALASKA. <PGC>. ML 4.2 (PGC), 4.2 (AEIC). Felt at Pleasant Camp, British Columbia, Canada.	
04	04 29 26.4*	7.357 S	155.209 E	82 *	1.1	13	SOLOMON ISLANDS	
04	05 13 37.0*	36.450 N	5.467 W	10 G	1.0	5	STRAIT OF GIBRALTAR. mbLg 1.1 (MDD).	
04	05 17 38.2	31.437 N	140.210 E	20 D	1.4	78	SOUTH OF HONSHU, JAPAN	
04	06 10 35.8*	44.504 N	7.338 E	10 G	0.3	6	NORTHERN ITALY. ML 1.6 (GEN).	
f 04	06 24 02.6	6.072 S	148.198 E	50 G	5.7 6.0	1.0	261	NEW BRITAIN REGION, P.N.G. Depth from broadband displacement seismograms
04	06 28 57.1?	37.90 N	118.57 W	10 G	0.0	4	CALIFORNIA-NEVADA BORDER REGION. MD 2.6 (GM).	
04	06 44 30.4&	34.010 N	116.690 W	9		13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt at Palm Springs.	
04	07 03 57.3&	38.220 N	118.748 W	5		6	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM)	
04	07 23 40.5	44.966 S	167.679 E	147	3 3	0.8	30	SOUTH ISLAND, NEW ZEALAND
04	08 03 28.0&	40.295 N	124.632 W	2			5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK).
04	08 16 54.3?	13.76 S	165.71 E	33 N	4.5	1.3	6	VANUATU ISLANDS
04	09 43 43.5*	11.793 S	117.521 E	10 G	3 8	1.3	8	SOUTH OF SUMBAWA, INDONESIA
04	10 19 46.2&	60.296 N	140.828 W	5		34	SOUTHEASTERN ALASKA. <AEIC>. ML 3.4 (AEIC), 3.5 (PGC).	
04	10 42 09.4	36.743 N	34.671 E	10 G	0.7	10	TURKEY ML 3.9 (CSS).	
04	10 44 01.5*	45.146 N	7.025 E	10 G	0.3	5	NORTHERN ITALY. ML 2.1 (GEN).	

04	11	49	43.2	2.784	S	153.233	E	27	D	5.0	0.8	23	NEW IRELAND REGION, P.N.G.
04	11	53	34.1%	40.874	N	22.947	E	10	G		0.3	8	GREECE
04	12	09	52.5%	59.972	N	153.507	W	136				38	SOUTHERN ALASKA. <AEIC>.
04	14	29	21.1	40.546	N	22.860	E	10	G		0.3	9	GREECE
04	14	32	04.5*	39.738	N	20.384	E	0	G		0.8	5	GREECE-ALBANIA BORDER REGION
04	14	42	21.3%	40.529	N	22.891	E	0	G		0.7	7	GREECE
04	14	47	05.0*	29.781	N	52.172	E	33	N	3.9	1.4	9	SOUTHERN IRAN
04	15	45	02.1	44.242	N	21.420	E	10	G		1.3	14	NORTHWESTERN BALKAN REGION, MG 3.4 (BEO).
04	16	12	54.7%	40.539	N	22.878	E	10	G		0.2	7	GREECE
04	16	15	21.7%	38.820	N	122.790	W	7				19	NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK). Mo=5.8*10**14 Nm (BRK).
04	16	33	03.0%	42.982	N	18.560	E	10	G		0.2	7	NORTHWESTERN BALKAN REGION, ML 1.7 (TTG).
04	16	44	29.7%	40.550	N	22.840	E	10	G		0.4	6	GREECE
04	16	45	55.8	40.515	N	22.924	E	0	G		1.0	9	GREECE
04	19	01	41.6?	34.37	S	70.50	W	10	G		0.7	9	CHILE-ARGENTINA BORDER REGION, MD 3.8 (SAN).
04	20	28	23.9*	33.682	S	179.413	W	33	N	4.9	1.3	13	SOUTH OF KERMADEC ISLANDS
04	20	36	27.7%	49.514	N	117.607	W	7				16	BRITISH COLUMBIA, CANADA. <PGC>. ML 2.4 (PGC). MD 3.1 (SEA). Felt in the Nelson-Castlegar area. Felt most strongly in the Slokan Valley.
04	20	54	00.6	42.552	N	5.227	E	13			0.7	46	WESTERN MEDITERRANEAN SEA, ML 2.9 (STR).
04	21	12	11.0	23.688	N	121.974	E	10	G	4.2	1.2	19	TAIWAN
04	23	20	49.2?	32.44	S	178.52	W	33	N	4.6	1.1	8	SOUTH OF KERMADEC ISLANDS
04	23	52	45.0%	16.620	N	99.003	W	33	N		1.1	7	NEAR COAST OF GUERRERO, MEXICO
05	01	22	33.5?	8.67	S	127.16	E	33	N	4.2	0.9	5	TIMOR REGION, INDONESIA
05	01	36	21.7	2.708	N	128.885	E	68	*	4.9	1.2	38	HALMAHERA, INDONESIA
05	01	55	49.2	37.043	N	3.926	W	10	G		1.0	9	SPAIN, mbLg 3.3 (MDD). Felt (III) at Pocapaja.
05	02	11	18.7*	19.035	N	97.946	E	10	G	3.9	0.7	6	MYANMAR, Felt in Mae Hong San and Chiang Mai Provinces, Thailand.
05	02	36	38.4?	36.56	N	141.59	E	33	N		1.0	8	NEAR EAST COAST OF HONSHU, JAPAN
05	02	43	44.3%	46.735	N	9.396	E	10	G		0.8	7	SWITZERLAND
05	03	28	07.0	36.883	N	21.498	E	57	*	3.9	0.7	24	SOUTHERN GREECE, MD 3.7 (ATH).
05	04	28	15.5%	59.784	N	153.567	W	130				42	SOUTHERN ALASKA. <AEIC>.
05	05	16	39.0	45.491	N	9.492	E	21			1.1	35	NORTHERN ITALY, ML 3.2 (LDG), 2.5 (STR).
05	06	13	24.1	33.120	S	71.369	W	33	N		0.4	10	NEAR COAST OF CENTRAL CHILE
a 05	06	50	58.2*	4.692	S	105.904	W	10	G	5.0 5.3	1.0	60	CENTRAL EAST PACIFIC RISE, Ms 5.5 (BRK). Mo=1.3*10**18 Nm (PPT).
a 05	06	56	03.0	6.237	S	146.444	E	105	G	5.8	1.0	282	EASTERN NEW GUINEA REG., P.N.G. Mo=3.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
05	07	12	12.4	20.656	S	176.687	W	262	D	5.3	1.1	155	FIJI ISLANDS REGION
05	07	49	49.1	30.604	N	50.169	E	38		5.0 4.9	1.1	111	NORTHERN IRAN, Felt at Behbahan.
05	08	33	02.9%	59.753	N	152.548	W	89				61	SOUTHERN ALASKA. <AEIC>.
05	08	42	33.2?	30.56	S	177.98	W	145	?	4.8	1.2	11	KERMADEC ISLANDS, NEW ZEALAND
05	08	47	24.0	33.574	N	119.847	E	33	N	4.3	1.5	18	SOUTHEASTERN CHINA
05	09	26	46.5*	32.895	S	122.305	E	33	N	4.2	1.4	8	WESTERN AUSTRALIA
05	09	36	35.8*	24.003	N	121.807	E	31	*	4.7	0.3	6	TAIWAN
05	11	44	32.6%	62.727	N	149.449	W	74				47	CENTRAL ALASKA. <AEIC>.
05	13	05	18.3%	17.440	N	94.855	W	10	G		1.1	6	CHIAPAS, MEXICO
05	14	01	45.0?	32.82	S	71.71	W	10	G		0.8	6	NEAR COAST OF CENTRAL CHILE, MD 3.5 (SAN).
05	14	07	09.2	0.495	S	124.201	E	133	*	4.4	0.8	12	SOUTHERN MOLUCCA SEA
05	14	08	44.2*	31.673	S	69.510	W	129	?		0.8	13	SAN JUAN PROVINCE, ARGENTINA, MD 3.9 (SAN).
05	16	12	43.2?	42.98	N	23.23	E	10	G		0.9	5	BULGARIA
05	16	18	49.0%	44.350	N	103.750	W	0	G			3	SOUTH DAKOTA. <MACRO>. ML 2.5 (GS). Possible rock burst. Felt in the Lead area.
05	17	17	36.9*	13.397	S	167.044	E	274	?	4.4	1.0	38	VANUATU ISLANDS
05	17	48	00.6	29.385	S	178.993	W	295	*	4.7	1.3	70	KERMADEC ISLANDS, NEW ZEALAND
05	18	47	35.5?	24.26	S	179.70	E	573	?	4.6	1.1	16	SOUTH OF FIJI ISLANDS
05	19	13	07.1%	61.353	N	146.828	W	9				6	SOUTHERN ALASKA. <AEIC>. ML 2.3 (AEIC).
05	20	22	40.5	41.436	N	23.563	E	10	G		0.7	13	GREECE-BULGARIA BORDER REGION
05	20	36	44.6?	41.34	N	23.50	E	10	G		0.1	4	GREECE-BULGARIA BORDER REGION
05	21	00	06.3*	51.950	N	171.262	E	33	N	4.7	0.9	31	NEAR ISLANDS, ALEUTIAN ISLANDS
o 05	21	16	16.0	16.908	S	66.162	E	10	G	5.6 6.0	1.4	147	MID-INDIAN RIDGE, Mo=1.3*10**19 Nm (PPT).
06	01	03	00.3%	40.153	N	28.049	E	10	G		0.6	10	TURKEY
06	01	24	53.2	39.371	N	20.254	E	5	G		1.1	14	GREECE-ALBANIA BORDER REGION, MD 3.2 (ATH).
06	01	47	53.9%	65.816	N	151.503	W	17				16	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 3.2 (PMR).
06	01	59	27.3%	46.313	N	1.836	E	10	G		0.6	11	FRANCE, ML 2.2 (LDG).
06	02	04	22.9%	40.255	N	123.725	W	42				10	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
06	02	46	11.4	40.770	N	73.983	E	33	N	4.7 4.0	0.8	47	KYRGYZSTAN, Felt (IV) at Uzgen and (III) at Osh and Dzhalaalabad.
06	03	30	24.4	44.080	N	12.138	E	10	G		0.5	8	NORTHERN ITALY
06	08	47	33.6?	32.49	S	71.50	W	10	G		0.8	5	NEAR COAST OF CENTRAL CHILE, MD 3.5 (SAN).
06	08	50	14.2?	36.37	N	5.20	W	10	G		1.3	5	STRAIT OF GIBRALTAR, mbLg 1.0 (MDD).
06	08	50	39.3*	4.829	S	151.526	E	142	*	4.3	1.1	16	NEW BRITAIN REGION, P.N.G.
06	09	12	46.1%	61.680	N	149.957	W	40				50	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC). Felt (III) at Skwentna.
06	09	42	58.3%	45.517	N	111.640	W	8				7	MONTANA. <BUT>. ML 3.0 (BUT). Felt at Bear Trap Hat Springs.
06	09	49	57.0%	39.173	N	27.484	E	10	G		0.6	5	TURKEY
06	10	30	38.5%	36.229	N	106.168	E	10	G		1.5	5	WESTERN NEI MONGOL, CHINA, ML 3.8 (BJI).
06	10	32	07.3?	9.74	S	154.27	E	33	N	4.2	1.4	8	D'ENTRECASTEAUX ISLANDS REGION
06	11	12	33.7	35.282	N	117.449	W	5	G		0.5	7	CENTRAL CALIFORNIA, ML 2.7 (GS).
06	12	13	50.9%	17.522	N	95.226	W	33	N		1.1	10	OAXACA, MEXICO, Felt at Mexico City.
06	12	15	40.5?	32.18	S	72.01	W	10	G		0.3	8	OFF COAST OF CENTRAL CHILE, MD 3.5 (SAN).
06	14	49	48.4*	16.467	N	61.278	W	29	*		0.2	8	LEEWARD ISLANDS, ML 2.5 (FDF).
06	14	50	12.1?	32.78	S	71.88	W	10	G		0.3	7	NEAR COAST OF CENTRAL CHILE, MD 3.6 (SAN).
06	14	57	23.5*	10.285	S	116.707	E	51	?	4.3 3.2	1.4	15	SOUTH OF SUMBAWA, INDONESIA
06	15	12	51.0*	29.189	N	130.202	E	73	*	4.4	1.3	27	RYUKYU ISLANDS
06	17	01	16.0	45.058	N	126.047	W	10	G	3.0	0.6	68	OFF COAST OF OREGON, MD 3.5 (SEA).
06	17	51	16.8?	25.10	S	179.93	E	529	?	4.6	0.6	12	SOUTH OF FIJI ISLANDS
06	17	53	27.8?	33.09	S	72.14	W	10	G		0.3	8	OFF COAST OF CENTRAL CHILE, MD 3.6 (SAN).
06	17	59	51.9*	37.008	N	21.615	E	33	N		1.4	11	SOUTHERN GREECE, MD 3.1 (ATH).
06	18	47	20.4?	30.61	N	50.03	E	33	N	4.0	1.2	8	NORTHERN IRAN
06	19	21	59.9?	33.13	S	72.09	W	10	G		0.5	9	OFF COAST OF CENTRAL CHILE, MD 3.7 (SAN).
06	19	36	56.9%	33.548	S	72.002	W	10	G		0.7	9	OFF COAST OF CENTRAL CHILE

06	19 58 06.9*	37.129 N	21.716 E	10 G	1.3	6	SOUTHERN GREECE. MD 3.3 (ATH).
06	20 22 15.7*	15.108 N	147.484 E	34 ? 4.4	0.7	15	MARIANA ISLANDS REGION
06	20 37 34.1	36.503 N	5.672 W	10 G	0.8	11	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
06	20 39 32.5	43.044 N	126.223 W	10 G 3.7	0.7	48	OFF COAST OF OREGON
06	20 50 26.2*	31.328 N	51.544 E	33 N 3.8	1.1	9	NORTHERN IRAN
06	20 59 58.1*	6.650 S	126.877 E	415 ? 4.5	0.9	13	BANDA SEA
06	22 07 04.4?	36.51 N	5.52 W	10 G	0.8	4	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
06	23 48 07.1*	16.663 S	74.269 W	35 * 4.9	1.2	14	NEAR COAST OF PERU
07	01 08 08.4*	56.957 N	156.345 W	33 N	1.3	22	ALASKA PENINSULA. ML 3.2 (AEIC).
07	01 47 16.0%	32.155 S	117.197 E	10 G	0.8	5	WESTERN AUSTRALIA
07	03 23 03.6?	9.58 S	124.42 E	33 N 4.4	1.5	5	TIMOR REGION, INDONESIA
07	04 22 50.5*	21.430 S	179.102 W	625 5.0	0.9	26	FIJI ISLANDS REGION
07	05 12 38.8?	45.84 N	21.70 E	10 G	1.1	5	ROMANIA
07	05 59 35.5	26.309 S	177.877 W	200 D 5.6	1.0	303	SOUTH OF FIJI ISLANDS. mb 5.5 (BRK).
07	06 33 01.1?	42.24 N	21.51 E	10 G	0.5	8	NORTHWESTERN BALKAN REGION
07	08 06 12.0%	39.141 N	27.484 E	10 G	0.3	5	TURKEY
07	08 19 06.8%	39.126 N	27.527 E	10 G	0.5	6	TURKEY
07	08 19 18.8*	43.843 N	16.510 E	10 G	0.5	9	NORTHWESTERN BALKAN REGION. ML 3.0 (TTG).
07	08 44 39.5?	7.18 S	128.29 E	108 ? 4.5	1.1	8	BANDA SEA
07	08 48 09.7?	15.07 S	71.43 W	177 * 4.3	1.4	11	SOUTHERN PERU
07	09 02 05.4%	39.151 N	27.616 E	10 G	0.4	6	TURKEY
07	09 21 23.7	7.320 S	128.550 E	140 G 5.9	1.0	386	BANDA SEA. Ma=4.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
07	10 13 50.0	43.088 N	0.600 W	10 G	0.3	6	PYRENEES. ML 1.0 (STR).
07	10 16 07.5%	40.413 N	23.302 E	10 G	0.5	6	GREECE
07	10 41 33.9%	39.133 N	27.683 E	10 G	0.4	7	TURKEY
07	11 17 45.6*	38.491 N	26.859 E	10 G	1.4	6	AEGEAN SEA
07	11 51 30.9%	61.178 N	151.883 W	92	0.4	64	SOUTHERN ALASKA. <AEIC>.
07	11 56 38.2?	46.58 N	21.80 E	149 ?	1.5	5	ROMANIA
07	12 05 10.8*	20.836 N	144.535 E	171 ? 4.4	0.8	17	MARIANA ISLANDS
07	12 14 26.4%	23.838 N	121.813 E	33 N	0.2	5	TAIWAN
07	12 48 43.2?	41.76 N	22.27 E	0 G	0.4	5	NORTHWESTERN BALKAN REGION. ML 2.3 (SKO).
07	12 55 40.3?	36.39 S	74.00 W	33 N	1.3	7	OFF COAST OF CENTRAL CHILE. MD 4.2 (SAN). Felt (III) in the Concepcion area.
07	13 31 02.0*	22.532 N	93.456 E	33 N	0.6	8	MYANMAR-INDIA BORDER REGION
07	14 07 08.6%	41.103 N	23.911 E	10 G	0.1	5	GREECE-BULGARIA BORDER REGION
07	15 30 46.7	47.232 N	9.507 E	6	1.1	33	GERMANY. ML 3.2 (VIE), 2.9 (FUR).
07	17 46 22.6?	15.73 N	98.29 W	33 N	1.5	7	OFF COAST OF GUERRERO, MEXICO
07	17 58 49.0%	37.671 N	14.628 E	10 G	0.8	6	SICILY
07	18 02 35.2*	20.090 N	122.729 E	33 N 4.2	1.1	9	PHILIPPINE ISLANDS REGION
07	18 50 30.2?	44.76 N	6.75 E	10 G	0.3	4	FRANCE. ML 1.7 (GEN).
07	19 03 23.3*	37.067 N	29.446 E	10 G	1.4	5	TURKEY
07	20 52 20.0*	68.314 N	11.363 E	10 G	0.7	8	NORWEGIAN SEA. MD 3.7 (BER).
07	21 10 58.3	38.606 N	20.432 E	10 G	1.0	15	GREECE. ML 3.5 (ATH).
08	00 05 20.3?	67.92 N	159.92 W	10 G	1.0	5	NORTHERN ALASKA. ML 3.3 (PMR).
08	01 42 31.6*	42.519 N	1.082 E	10 G	0.4	6	PYRENEES. ML 1.2 (STR).
08	03 00 48.9%	36.068 N	120.652 W	4	0.4	21	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
08	05 04 23.4?	13.51 S	166.17 E	33 N	1.5	7	VANUATU ISLANDS
08	05 28 03.0%	60.721 N	151.895 W	80 4.6	1.09	109	KENAI PENINSULA, ALASKA. <AEIC>. Felt (III) at Anchorage and Eagle River. Felt (II) at Butte, Homer and Palmer. Also felt in the Kenai area.
08	06 39 21.4	24.169 S	67.786 W	128 4.7	0.9	24	CHILE-ARGENTINA BORDER REGION
08	06 45 10.4	42.923 N	17.515 E	9	1.1	36	ADRIATIC SEA. ML 3.3 (TTG), 3.0 (SKO), 3.0 (LJU).
08	07 10 30.5?	38.65 N	73.65 E	33 N 4.1	1.5	9	TAJIKISTAN-XINJIANG BORDER REG.
08	07 30 35.3*	37.933 N	118.587 W	5 G	1.2	5	CALIFORNIA-NEVADA BORDER REGION. MD 2.5 (GM).
08	09 40 23.8	41.313 N	23.665 E	11	0.8	22	GREECE-BULGARIA BORDER REGION. Felt (III) in southwestern Bulgaria.
08	09 58 45.5	25.565 N	142.284 E	33 N 5.0	0.8	19	VOLCANO ISLANDS REGION
08	10 28 27.8?	40.72 N	23.11 E	10 G	0.6	4	GREECE
08	11 13 30.3	6.224 N	126.607 E	83 * 5.0	1.1	83	MINDANAO, PHILIPPINE ISLANDS
08	11 33 28.9	41.311 N	23.625 E	13	1.0	17	GREECE-BULGARIA BORDER REGION
08	11 37 19.4	44.071 N	12.141 E	10 G	1.0	12	NORTHERN ITALY. MD 2.9 (TRI), 2.8 (FIR).
08	12 04 38.4	42.298 N	142.636 E	68 4.5	1.0	35	HOKKAIDO, JAPAN REGION
08	12 32 25.3%	59.548 N	152.420 W	69	0.4	40	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
08	13 15 05.3%	40.100 N	109.286 W	2 3.4	20	20	UTAH. <SLC-P>. ML 3.8 (SLC). Felt (III) at Vernal, Utah and Dinosaur, Colorado.
08	13 30 26.1?	42.46 N	24.24 E	10 G	0.2	6	BULGARIA
08	13 44 09.8	44.999 N	9.985 E	10 G	1.1	20	NORTHERN ITALY. ML 3.0 (LDG).
08	14 33 18.2*	11.056 N	61.971 W	33 N	0.8	8	WINDWARD ISLANDS. MD 3.3 (TRN).
08	14 36 54.8	42.320 N	142.611 E	69 4.4	1.1	29	HOKKAIDO, JAPAN REGION
08	14 36 56.2%	45.147 N	7.036 E	10 G	0.3	5	NORTHERN ITALY. ML 1.9 (GEN).
08	14 59 44.1*	27.025 N	70.725 E	205 * 3.8	0.9	8	INDIA-PAKISTAN BORDER REG.
08	15 07 48.8?	32.38 S	71.63 W	10 G	0.6	8	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
08	15 13 44.1	26.323 N	70.607 E	22 D 5.6 5.0	1.0	292	INDIA-PAKISTAN BORDER REG. Damage at Jodhpur and in the Jaisalmer area, India. Felt at Barmer, Pokaran and as far away as Delhi, India.
08	15 16 22.4?	23.77 N	109.48 W	10 G 4.2	1.4	20	BAJA CALIFORNIA, MEXICO
08	15 35 25.8%	45.013 N	6.702 E	10 G	0.4	5	FRANCE. ML 1.7 (GEN).
08	16 50 27.4*	30.056 N	142.992 E	33 N 4.2	1.0	8	SOUTH OF HONSHU, JAPAN
08	17 12 43.9	4.273 S	102.806 E	80 5.7	1.0	301	SOUTHERN SUMATERA, INDONESIA
08	18 47 02.5	13.457 N	87.950 W	213 * 4.1	0.8	29	HONDURAS
08	19 02 28.1*	29.795 S	75.415 E	22 D 4.4	1.0	16	MID-INDIAN RIDGE
08	19 16 08.4%	41.257 N	23.554 E	10 G	0.2	6	GREECE-BULGARIA BORDER REGION
08	19 50 39.3?	32.91 S	71.64 W	10 G	0.5	8	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
08	20 21 59.4%	43.035 N	18.534 E	10 G	0.2	8	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
08	20 31 05.4%	60.832 N	149.296 W	19	50	50	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
08	20 42 50.3	7.695 N	126.872 E	55 D 4.9	1.2	71	MINDANAO, PHILIPPINE ISLANDS
08	21 33 36.1	39.510 N	27.598 E	10 G	1.0	23	TURKEY
08	21 50 32.4	46.293 N	13.295 E	10 G	0.9	7	AUSTRIA. ML 2.2 (VIE), 1.7 (LJU).
08	22 01 17.5*	4.012 S	130.976 E	33 N 4.0	1.4	9	BANDA SEA
08	22 07 05.1*	43.213 N	18.336 E	10 G	0.9	8	NORTHWESTERN BALKAN REGION. ML 2.5 (TTG).
08	22 28 01.1%	43.943 N	12.130 E	10 G	0.9	7	CENTRAL ITALY
08	22 54 31.5?	43.30 N	18.24 E	10 G	0.8	7	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).

06	23 08 13.7&	32.350 N	115.250 W	6 G					11	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.6 (PAS).
06	23 08 42.7	43.498 N	17.800 E	5 G		1.2			39	NORTHWESTERN BALKAN REGION. ML 3.3 (TTG). MD 3.9 (TRI).
08	23 12 28.2&	59.928 N	153.274 W	10					38	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
09	02 07 14.1*	39.218 N	25.861 E	10 G	3.7	1.0			14	AEIGAN SEA
09	02 53 51.9*	39.204 N	21.445 E	10 G		0.8			8	GREECE
09	03 07 43.0%	42.950 N	18.563 E	10 G		0.2			6	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
09	03 52 30.5%	43.016 N	18.496 E	10 G		0.2			9	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
09	04 04 12.8*	31.431 S	69.397 W	167 ?		0.5			11	SAN JUAN PROVINCE, ARGENTINA. MD 3.7 (SAN).
09	05 10 36.5	38.060 N	22.296 E	10 G		1.1			26	GREECE. ML 3.6 (ATH).
09	05 14 57.1	37.527 N	112.522 E	10 G	4.4	1.0			10	NORTHEASTERN CHINA
09	05 41 26.5*	40.167 N	25.438 E	10 G		0.7			7	AEIGAN SEA
09	05 48 36.0	36.374 N	71.053 E	169 *	4.4	1.0			15	AFGHANISTAN-TAJIKISTAN BORD REG.
09	05 50 30.4?	52.12 N	169.27 W	33 N	4.6	0.9			10	FOX ISLANDS, ALEUTIAN ISLANDS
09	07 04 51.7*	56.189 S	27.150 W	33 N	5.3 4.1	1.3			29	SOUTH SANDWICH ISLANDS REGION
09	07 09 48.6	38.131 N	22.280 E	13		0.9			15	GREECE
09	07 12 58.2	38.105 N	22.237 E	10 G		1.0			20	GREECE. MD 3.5 (ATH).
09	08 21 56.5?	19.34 N	66.32 W	10 G		0.5			7	PUERTO RICO REGION
09	08 31 25.5*	37.959 N	22.196 E	5 G		1.5			6	SOUTHERN GREECE. MD 3.2 (ATH).
09	10 26 16.0*	13.054 S	175.668 E	33 N	4.4	0.5			8	FIJI ISLANDS REGION
09	10 35 42.8*	39.012 N	21.608 E	33 N		1.1			6	GREECE
09	11 00 49.0?	79.12 N	126.69 E	10 G	4.3	1.4			12	EAST OF SEVERNAYA ZEMLYA, RUSSIA
09	11 17 04.7?	43.51 N	84.18 E	10 G	4.3	0.5			11	NORTHERN XINJIANG, CHINA
09	11 28 23.0*	22.552 N	94.144 E	102 *	4.2	0.4			8	MYANMAR
09	12 27 51.5	39.433 N	26.367 E	19		0.7			30	TURKEY
09	12 49 34.9*	43.014 N	18.550 E	10 G		0.4			7	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
09	13 35 40.4*	28.699 S	73.164 W	33 N		0.9			11	OFF COAST OF CENTRAL CHILE
09	13 54 08.7*	23.692 S	177.056 W	279 *	4.6	1.0			19	SOUTH OF FIJI ISLANDS
09	13 56 32.5?	55.62 N	163.75 E	33 N	4.4	0.9			9	OFF EAST COAST OF KAMCHATKA
09	14 08 15.9*	32.075 S	68.795 W	33 N		1.3			11	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN).
09	14 50 01.6?	51.54 N	16.22 E	10 G		0.6			6	POLAND
09	15 18 58.1?	48.90 N	0.89 W	10 G		0.0			4	FRANCE. ML 2.2 (LDG).
09	15 46 30.3&	59.349 N	152.669 W	69					39	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
09	17 13 59.0&	46.735 N	122.791 W	7					61	WASHINGTON. <SEA>. MD 2.6 (SEA).
09	17 14 31.2%	44.416 N	7.294 E	10 G		0.4			9	NORTHERN ITALY. ML 1.8 (GEN).
09	17 32 12.2%	44.878 N	6.752 E	10 G		0.3			5	FRANCE. ML 1.5 (GEN).
09	18 57 56.5%	33.803 S	70.544 W	10 G		0.6			5	CHILE-ARGENTINA BORDER REGION
09	18 58 07.1&	57.401 N	152.117 W	38					50	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
09	19 24 23.7?	15.16 S	177.50 E	32 ?	3.5	1.0			5	FIJI ISLANDS. MD 4.1 (SVA).
09	19 35 36.1*	44.769 S	166.847 E	20 D	4.6 4.4	1.4			25	OFF W. COAST OF S. ISLAND, N.Z.
09	19 59 37.7*	0.189 S	130.484 E	60 G	4.7	1.1			18	IRIAN JAYA REGION, INDONESIA
09	20 02 30.1?	43.55 S	7.59 E	10 G		0.4			6	NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN).
09	21 35 38.3?	3.54 S	132.18 E	33 N	4.4	1.0			6	IRIAN JAYA REGION, INDONESIA
09	21 40 38.0?	48.22 N	7.81 E	10 G		0.7			4	FRANCE. ML 2.2 (LDG).
09	23 08 10.4?	40.27 N	23.10 E	10 G		0.4			7	GREECE
10	00 04 14.5*	16.406 S	177.694 W	33 N	4.5	1.0			18	FIJI ISLANDS REGION
10	00 32 38.1*	38.525 N	22.554 E	12		0.4			10	GREECE
10	01 16 27.8*	17.649 N	46.110 W	10 G	4.3	0.9			20	NORTHERN MID-ATLANTIC RIDGE
10	01 18 28.7	43.916 N	7.453 E	10 G		0.3			14	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG), 1.5 (GEN).
10	01 43 21.4?	8.44 S	124.48 E	10 G	4.7	1.5			8	TIMOR REGION, INDONESIA
10	01 50 21.4%	40.683 N	29.851 E	10 G		0.3			5	TURKEY
10	02 06 10.8&	46.737 N	122.782 W	17					59	WASHINGTON. <SEA>. MD 2.7 (SEA).
10	04 06 20.7%	40.438 N	27.428 E	10 G		0.7			9	TURKEY
10	05 02 59.2*	50.073 N	153.772 E	33 N	4.4	1.1			15	KURIL ISLANDS
10	05 18 19.3*	5.299 N	61.418 E	10 G	4.7	0.7			16	CARLSBERG RIDGE
10	06 01 57.2?	15.68 N	60.36 W	10 G		0.5			7	LEEWARD ISLANDS. ML 2.5 (FDF).
o 10	08 20 20.7	10.002 N	83.262 W	37	5.2 5.0	1.2			160	COSTA RICA. MD 5.3 (UPA). Felt (VI) at Moravia de Chirripa; (V) at Turrialba and Siquirres Valle de la Estrella; (IV) at San Jose and Limon; (III) at Puntarenas, Barra del Colorado and Buenas Aires; (II) at Canas and Golfito. Felt (III) at Changuinola, David and Puerto Armuelles, Panama.
10	08 23 50.4?	25.31 S	174.97 W	33 N	4.8 4.5	1.1			8	SOUTH OF TONGA ISLANDS
10	09 26 53.0*	23.353 S	68.530 W	85 ?	4.3	1.4			8	NORTHERN CHILE
10	09 32 27.4	44.186 N	7.239 E	14		0.5			23	NORTHERN ITALY. ML 2.5 (GEN), 2.5 (LDG).
10	09 37 07.7?	30.66 S	176.32 W	33 N	5.3	1.2			15	KERMADEC ISLANDS REGION
10	10 55 01.9	6.349 S	151.017 E	38 D	4.7	1.1			23	NEW BRITAIN REGION, P.N.G.
10	12 07 22.1	15.710 N	95.483 W	33	4.9 4.6	0.9			82	NEAR COAST OF OAXACA, MEXICO
10	12 17 38.1%	45.971 N	2.787 E	10 G		0.5			9	FRANCE. ML 1.9 (LDG).
10	12 30 13.5?	17.09 N	105.29 W	28 D	4.7	0.5			8	OFF COAST OF JALISCO, MEXICO
10	12 35 24.8	53.261 N	170.157 E	33 N	4.5 4.0	1.0			44	NEAR ISLANDS, ALEUTIAN ISLANDS
10	12 50 20.4	45.962 N	2.856 E	10 G		1.0			19	FRANCE. ML 2.7 (LDG).
10	12 55 09.3	46.345 N	7.277 E	5 G		0.9			32	SWITZERLAND. ML 2.9 (LDG), 2.9 (STR).
o 10	13 04 39.3	59.449 S	26.183 W	33 N	5.2 5.0	1.0			58	SOUTH SANDWICH ISLANDS REGION
10	13 54 19.4?	32.92 S	179.78 E	311 ?	4.1	1.0			22	SOUTH OF KERMADEC ISLANDS
10	15 14 00.9	40.644 N	28.991 E	10 G		1.0			11	TURKEY
10	15 19 14.2	30.585 N	50.268 E	44	5.0 4.4	1.1			195	NORTHERN IRAN. Fifteen people injured and damage in the Behbahan area. Also damage at Deh Dasht.
10	15 24 57.4%	40.457 N	27.686 E	10 G		0.6			8	TURKEY
10	17 08 42.0%	40.150 N	28.050 E	10 G		0.8			8	TURKEY
10	17 15 35.6%	44.806 N	6.735 E	10 G		0.3			7	FRANCE. ML 2.0 (GEN).
10	17 22 16.4	3.420 N	128.037 E	66 ?	5.0 3.4	1.1			38	NORTH OF HALMAHERA, INDONESIA
10	17 38 50.4	37.553 N	144.888 E	10 G	4.5	0.9			17	OFF EAST COAST OF HONSHU, JAPAN
10	19 12 01.4?	50.87 N	177.37 W	33 N		1.4			12	ANDREANOF ISLANDS, ALEUTIAN IS.
10	19 40 25.5*	38.468 N	26.659 E	10 G		1.1			5	AEIGAN SEA
10	19 52 17.2	44.440 N	10.740 E	19		1.0			54	NORTHERN ITALY. ML 3.3 (LDG). MD 3.0 (FIR).
10	20 15 18.4?	17.59 N	62.24 W	95 ?		0.3			14	LEEWARD ISLANDS
10	20 29 35.7*	32.695 S	69.419 W	129 ?		0.7			12	MENDOZA PROVINCE, ARGENTINA. MD 3.4 (SAN).
10	21 12 08.1*	30.115 N	139.104 E	393 *	4.3	0.4			16	SOUTH OF HONSHU, JAPAN
10	22 07 18.1	44.237 N	10.517 E	15		1.0			19	NORTHERN ITALY. ML 2.9 (LDG). MD 3.0 (FIR).
10	22 21 43.2	42.223 N	143.926 E	49 D	4.9 4.1	0.9			96	HOKKAIDO, JAPAN REGION
10	23 25 08.8*	8.405 S	117.865 E	33 N	4.5	1.0			13	SUMBAWA REGION, INDONESIA
11	00 04 09.6	37.055 N	71.535 E	112 D	4.9	1.0			72	AFGHANISTAN-TAJIKISTAN BORD REG.

11	00 34 40.7?	34.43 S	70.40 W	10 G	0.1	4	CHILE-ARGENTINA BORDER REGION	
11	00 45 20.9	43.002 N	17.537 E	13	1.2	43	NORTHWESTERN BALKAN REGION MD 3.9 (TRI) ML 3.7 (ZAG). 3.4 (ROM). Felt at Placé and Vrgorac.	
11	02 33 42.7*	37.010 N	29.405 E	10 G	0.2	5	TURKEY	
11	02 45 57.5	44.431 N	10.648 E	10 G	1.2	27	NORTHERN ITALY. ML 2.9 (LDG).	
11	02 53 50.0	40.151 N	28.106 E	10 G	0.9	18	TURKEY. MD 3.3 (ATH).	
11	03 32 29.2?	34.47 S	70.36 W	10 G	0.2	5	CHILE-ARGENTINA BORDER REGION	
11	04 06 34.4	67.392 N	161.167 W	10 G	0.9	45	NORTHERN ALASKA. ML 3.8 (PMR), 3.6 (AEIC).	
11	04 26 36.0%	33.472 S	70.600 W	80 G	0.3	7	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).	
11	04 52 30.1%	61.742 N	149.714 W	36		75	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.6 (PMR). Felt (III) at Anchorage, Palmer and Willow.	
11	04 53 11.3?	33.38 S	71.94 W	33 N	1.2	6	NEAR COAST OF CENTRAL CHILE. MD 3.2 (SAN).	
11	04 53 27.0%	35.680 N	118.430 W	4		26	CENTRAL CALIFORNIA. <PAS-P>. ML 4.0 (PAS), 4.0 (BRK). Felt (IV) at Badfish, Kernville, Posey and Wafford Heights. Felt (III) at Weldon. Also felt at Lake Isabella.	
11	06 11 48.6?	30.25 S	177.73 W	184 ?	4.7	1.6	8	KERMADEC ISLANDS, NEW ZEALAND
11	06 20 00.1	45.948 N	2.802 E	10 G	0.4	15	FRANCE. ML 2.1 (LDG), 1.7 (STR).	
11	07 17 01.1	30.569 N	50.226 E	51 *	4.5	1.3	17	NORTHERN IRAN
11	07 34 34.6%	40.426 N	23.099 E	10 G	0.4	7	GREECE. ML 1.7 (THE).	
11	09 14 32.3?	36.51 N	71.19 E	95 ?	4.8	1.2	21	AFGHANISTAN-TAJIKISTAN BORD REG.
11	09 16 55.8?	48.51 N	1.72 W	10 G	0.4	4	FRANCE. ML 2.1 (LDG).	
11	09 20 47.4	38.713 N	87.894 W	10 G	0.8	34	SOUTHERN INDIANA. mbLg 3.8 (GS), 3.8 (SLM), 3.6 (TUL). Felt (III) at Allendale, Bellmont, Birds, Claremont, Mt. Carmel, Newton, Noble, Parkersburg, Robinson, Sainte Marie, Sumner and West Liberty, Illinois. Also felt in the Lawrenceville and Olney, Illinois areas.	
11	09 21 50.2%	16.187 N	61.674 W	160 ?		0.4	12	LEEWARD ISLANDS
11	09 56 43.4%	37.258 N	121.662 W	4		25	CENTRAL CALIFORNIA. <BRK>. ML 4.1 (BRK). Mo=1.7*10**15 Nm (BRK). Felt (IV) at Morgan Hill and (III) at Aptas, Boulder Creek, Pacific Grove and San Jose.	
11	11 15 22.7	41.929 N	142.248 E	70	4.9	1.0	112	HOKKAIDO, JAPAN REGION
11	11 29 30.9?	40.45 N	21.83 E	10 G		0.9	7	GREECE
11	11 42 49.8	42.015 N	142.290 E	79 *	4.0	0.8	9	HOKKAIDO, JAPAN REGION
11	12 42 12.8*	5.078 S	148.604 E	18 *	4.9	1.3	13	NEW BRITAIN REGION, P.N.G.
11	12 54 26.6%	42.761 N	19.154 E	13		0.2	9	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
11	13 09 00.2*	13.104 S	167.095 E	256 *	4.7	1.1	49	VANUATU ISLANDS
11	13 42 45.0	26.377 N	93.005 E	33 N	4.4	0.7	11	NORTHEASTERN INDIA
11	15 34 09.9?	34.87 S	178.10 E	247 ?		0.9	14	SOUTH OF KERMADEC ISLANDS
a 11	16 15 50.3	24.216 S	177.393 W	178 D	5.5	1.1	337	SOUTH OF FIJI ISLANDS. Mo=1.6*10**18 Nm (PPT).
11	16 40 10.1	3.422 N	128.031 E	161 D	5.3	1.1	101	NORTH OF HALMAHERA, INDONESIA
a 11	17 45 57.4	17.911 N	105.586 W	11 D	5.5 5.7	1.2	166	OFF COAST OF JALISCO, MEXICO. Ms 5.9 (BRK). Mo=2.0*10**18 Nm (PPT).
11	17 59 47.4%	43.066 N	0.641 W	10 G		0.3	9	PYRENEES. ML 1.0 (STR).
11	18 35 58.8	51.384 N	174.496 W	33 N	4.7	0.9	63	ANDREANOF ISLANDS, ALEUTIAN IS.
11	18 37 41.9?	37.04 N	29.42 E	10 G		0.8	4	TURKEY
11	19 09 57.3?	30.86 N	50.85 E	65 *		1.2	11	NORTHERN IRAN
11	19 18 59.5%	40.634 N	29.032 E	10 G		0.6	8	TURKEY
11	21 56 41.2*	5.352 S	154.306 E	429 *	4.9	1.2	19	SOLOMON ISLANDS
11	22 17 38.5	20.997 S	178.959 W	615	5.0	1.1	58	FIJI ISLANDS REGION
a 11	22 34 40.9	24.705 N	142.570 E	25 D	6.0 5.8	1.0	397	VOLCANO ISLANDS REGION. Ms 5.8 (BRK).
11	22 50 16.2?	31.14 S	69.30 W	110 G		0.8	5	SAN JUAN PROVINCE, ARGENTINA
11	23 14 04.5?	17.01 N	61.32 W	33 N		0.4	5	LEEWARD ISLANDS
11	23 45 45.6*	36.181 N	30.511 E	10 G		1.7	6	TURKEY. ML 3.2 (CSS).
12	01 25 34.5	43.716 N	147.846 E	30 D	5.0 4.4	1.1	75	KURIL ISLANDS
12	04 44 39.7	34.768 N	32.997 E	41 *		1.1	12	CYPRUS REGION. MD 3.9 (HLW). Felt (IV) at Limassol.
12	06 45 52.5%	37.036 N	3.820 W	10 G		1.4	10	SPAIN. mbLg 2.9 (MDD). Felt (III) in the Agron area.
12	06 58 44.2*	45.194 N	7.526 E	10 G		1.1	7	NORTHERN ITALY. ML 2.0 (GEN).
12	08 53 34.8*	31.114 S	178.552 W	105 ?	5.2	1.4	32	KERMADEC ISLANDS REGION
12	09 40 23.0	53.679 N	167.117 W	33 N	4.3	1.2	33	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR). Felt (IV) at Akutan.
12	11 26 01.8?	13.13 N	89.49 W	33 N		0.4	5	EL SALVADOR. Felt (II) at San Salvador.
12	11 27 02.4	32.873 S	71.815 W	47 *	4.4	0.7	8	NEAR COAST OF CENTRAL CHILE. Felt (III) at Valparaiso.
12	14 39 23.0%	40.109 N	28.027 E	10 G		0.8	9	TURKEY
12	14 49 16.3%	41.142 N	28.471 E	10 G		1.1	8	TURKEY
12	15 20 42.3%	44.549 N	7.126 E	5 G		0.2	8	NORTHERN ITALY. ML 2.1 (GEN).
12	16 02 19.5?	43.42 N	12.97 E	5 G		0.2	4	CENTRAL ITALY
12	16 34 06.1	34.650 N	26.376 E	10 G		1.1	23	CRETE. MD 4.2 (ATH).
12	16 39 55.1*	32.821 S	70.067 W	100 G		0.5	14	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
12	17 23 00.6?	15.24 N	98.74 W	33 N		1.7	8	OFF COAST OF GUERRERO, MEXICO
12	18 07 55.5	40.164 N	28.072 E	13		0.7	11	TURKEY
12	19 10 52.2	47.689 N	7.461 E	10 G		0.5	8	SWITZERLAND. ML 2.5 (LDG), 2.0 (STR).
12	19 16 19.9?	37.22 N	20.91 E	10 G		1.5	9	IONIAN SEA. ML 2.8 (THE).
12	19 48 43.1?	31.09 S	68.50 W	90 G		0.3	4	SAN JUAN PROVINCE, ARGENTINA
12	20 35 59.6*	39.306 N	44.936 E	33 N	4.3	1.6	10	ARMENIA-AZERBAIJAN-IRAN BORD REG
12	20 57 02.3?	51.85 N	16.76 E	10 G		0.3	9	POLAND
12	21 10 52.4*	36.056 N	70.310 E	60 ?	4.4	1.1	15	HINDU KUSH REGION, AFGHANISTAN
12	21 45 54.8	43.006 N	13.489 E	10 G		1.1	21	CENTRAL ITALY
12	22 33 01.7?	36.98 N	29.46 E	10 G		0.1	4	TURKEY
12	22 55 41.2%	42.912 N	13.315 E	10 G		0.6	5	CENTRAL ITALY
12	23 09 09.6?	40.58 N	29.11 E	10 G		0.6	4	TURKEY
12	23 13 18.4	43.031 N	20.648 E	10 G		1.3	14	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG). Felt at Leposavic.
12	23 44 24.8	46.101 N	7.189 E	5 G		1.3	13	SWITZERLAND. ML 2.3 (LDG), 2.1 (GEN).
12	23 45 50.4?	32.96 S	70.46 W	100 G		0.3	6	CHILE-ARGENTINA BORDER REGION
12	23 53 07.4*	36.101 N	70.804 E	130 ?	4.2	1.6	19	HINDU KUSH REGION, AFGHANISTAN
13	00 43 43.5*	24.251 N	123.566 E	56 *	4.4	0.8	17	SOUTHWESTERN RYUKYU ISLANDS
a 13	02 14 53.9	9.013 S	158.320 E	29 D	5.2 5.0	1.2	83	SOLOMON ISLANDS. Felt at Ghovea.
13	02 33 40.9?	40.17 N	28.95 E	10 G		0.0	4	TURKEY
13	02 55 56.5%	62.486 N	149.753 W	66		4.9	49	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
13	03 05 47.9?	19.86 S	34.11 E	33 N		1.6	5	MOZAMBIQUE. mbLg 3.4 (BUL).
13	03 47 08.0*	11.517 N	140.706 E	33 N	4.5	1.0	7	WESTERN CAROLINE ISLANDS
13	04 35 35.2*	34.849 N	5.072 W	10 G	3.1	1.6	9	MOROCCO

13	05	26	46.7	31.298 S	68.587 W	90 G	1.1	8	SAN JUAN PROVINCE, ARGENTINA
13	06	19	13.4	46.133 N	14.345 E	10 G	0.4	5	NORTHWESTERN BALKAN REGION MD 2.5 (LJU), 2.0 (TRI).
13	07	51	51.1	45.972 N	14.630 E	10 G	0.5	5	NORTHWESTERN BALKAN REGION MD 2.3 (LJU).
13	09	12	02.4	40.473 N	121.519 W	4		6	NORTHERN CALIFORNIA <GM-P>. MD 2.6 (GM).
13	09	43	15.9	35.720 N	90.270 W	9		17	ARKANSAS. <SLM-P>. MD 3.0 (SLM)
13	09	54	10.6	40.64 N	23.02 E	5 G	0.3	4	GREECE
13	10	00	56.4	4.003 S	127.632 E	179 * 5.1	1.0	18	BANDA SEA
13	10	55	06.3	36.403 N	5.327 W	10 G	1.1	5	STRAIT OF GIBRALTAR. mblg 1.0 (MDD).
f 13	11	12	13.2	8.361 N	126.371 E	36 G 6.1 6.4	1.2	399	MINDANAO, PHILIPPINE ISLANDS. Ms 6.5 (BRK). Mo=1.0*10**19 Nm (PPT). Some damage (VI RF) was reported in the Bislig-Butuan-Surigao area. Felt (IV RF) at Cagayan de Oro, (III RF) at Camiguin and (II RF) at Cebu. Depth from broadband displacement seismograms.
13	11	41	51.6	35.56 N	28.43 E	10 G	0.9	7	EASTERN MEDITERRANEAN SEA. MD 4.0 (HLW). ML 3.8 (CSS).
13	12	23	07.8	42.86 N	24.10 E	5 G	1.1	11	BULGARIA
13	12	49	06.1	41.53 N	1.46 W	10 G	0.7	4	SPAIN. mblg 2.8 (MDD).
13	13	21	47.5	2.914 N	76.434 W	149 5.0	1.0	130	COLOMBIA. Felt in the Coli-Manizales area.
13	13	24	51.7	40.900 N	23.879 E	10 G	0.5	6	GREECE. ML 2.2 (THE).
13	13	56	26.0	36.410 N	117.860 W	6 G		4	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.5 (PAS).
13	16	09	08.7	62.042 N	150.646 W	3 4.2		93	CENTRAL ALASKA. <AEIC>. ML 4.3 (AEIC), 4.2 (PMR). Felt (IV) at Skwentno and (II) at Kashwitno, Palmer, Talkeetna and Willow.
13	16	38	29.6	30.721 N	50.000 E	63 * 4.2	1.1	16	NORTHERN IRAN
13	17	19	28.4	44.204 N	7.529 E	5 G	0.5	7	NORTHERN ITALY. ML 2.0 (GEN).
13	17	40	15.8	33.923 N	25.363 E	27 *	1.2	14	EASTERN MEDITERRANEAN SEA. MD 4.3 (ATH), 4.1 (HLW).
13	17	48	35.9	36.999 N	29.484 E	10 G	0.4	8	TURKEY
13	17	48	38.7	16.905 N	61.687 W	10 G	0.9	7	LEEWARD ISLANDS. ML 2.8 (FDF).
13	18	23	16.7	25.20 S	179.77 E	554 ? 4.6	1.4	18	SOUTH OF FIJI ISLANDS
a 13	19	20	04.2	33.472 N	137.845 E	308 D 5.4	0.8	228	NEAR S. COAST OF HONSHU, JAPAN
13	19	30	47.1	39.013 N	16.313 E	10 G	0.7	8	SOUTHERN ITALY
13	19	44	58.2	51.52 N	16.27 E	10 G	0.2	9	POLAND
13	20	21	48.2	49.079 N	150.676 E	292 * 4.4	0.8	22	NORTHWEST OF KURIL ISLANDS
13	20	27	35.2	3.140 N	78.576 W	26 D 5.2 5.1	1.3	164	SOUTH OF PANAMA
13	20	49	18.9	60.155 N	153.323 W	143		68	SOUTHERN ALASKA. <AEIC>.
13	21	04	29.0	30.751 N	50.082 E	33 N 5.1 4.5	1.1	145	NORTHERN IRAN. Felt at Behbahan.
13	21	37	27.0	34.644 N	112.360 W	5 G	0.8	14	WESTERN ARIZONA. ML 3.5 (GS). Felt (IV) at Prescott, (III) at Chino Valley and (II) at Humboldt and Dewey.
13	22	29	54.3	6.737 S	129.086 E	264 * 4.6	0.6	10	BANDA SEA
13	22	30	17.6	8.768 S	158.796 E	33 N 5.2	0.9	39	SOLOMON ISLANDS
13	22	41	41.7	2.51 N	79.21 W	33 N 4.4 3.8	1.5	12	SOUTH OF PANAMA
13	23	02	16.1	16.903 N	61.300 W	33 N	0.6	5	LEEWARD ISLANDS. ML 2.9 (FDF).
13	23	47	08.1	37.273 N	141.714 E	80 ? 3.8	1.0	15	NEAR EAST COAST OF HONSHU, JAPAN
13	23	53	49.3	51.593 N	7.572 E	10 G	0.6	9	GERMANY. MD 2.9 (UCC). ML 2.5 (BNS). Felt (IV) at Bergkamen.
14	00	36	28.3	34.14 S	72.20 W	33 N	0.7	14	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
14	00	51	47.5	60.085 N	140.599 W	13 4.4		73	SOUTHEASTERN ALASKA. <AEIC>. ML 4.4 (AEIC), 4.3 (PMR), 4.2 (PGC).
14	01	16	07.1	59.972 N	140.670 W	0		18	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
14	01	16	44.4	60.104 N	140.569 W	9		17	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC).
14	02	26	21.8	50.699 N	129.766 W	10 G 4.0	0.7	45	VANCOUVER ISLAND REGION
14	02	43	58.8	49.88 S	164.06 E	33 N	1.0	17	AUCKLAND ISLANDS REGION
14	03	07	05.5	60.098 N	140.558 W	18		20	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).
14	04	20	34.8	35.903 N	81.084 E	33 N 4.2	1.6	11	SOUTHERN XINJIANG, CHINA
14	04	23	36.9	6.338 S	142.150 E	33 N 4.6	1.1	21	NEW GUINEA, PAPUA NEW GUINEA
14	04	45	19.6	50.550 N	129.988 W	10 G		51	VANCOUVER ISLAND REGION. <PGC>.
14	06	23	29.6	32.456 S	69.831 W	132 *	0.6	15	MENDOZA PROVINCE, ARGENTINA. MD 4.4 (SAN).
14	07	15	47.3	15.67 N	61.29 W	110 G	0.7	4	LEEWARD ISLANDS
14	07	23	22.5	31.84 S	70.17 W	120 G	0.8	10	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
14	07	38	03.3	32.990 S	71.497 W	33 N	0.2	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
14	09	39	18.1	8.631 S	79.070 W	33 N 4.5	1.0	14	NEAR COAST OF NORTHERN PERU. Felt (IV) at Chimbote.
14	10	14	06.2	60.89 N	167.28 E	33 N 4.5	1.5	10	EASTERN SIBERIA, RUSSIA
14	10	56	58.2	18.339 N	105.384 W	33 N 4.5	1.2	45	OFF COAST OF JALISCO, MEXICO
14	11	49	54.8	37.56 N	30.71 W	10 G 4.8	0.8	10	AZORES ISLANDS
14	12	14	43.1	42.083 N	24.749 E	10 G	0.5	7	BULGARIA. ML 2.9 (THE).
14	13	26	43.6	18.33 N	105.40 W	33 N 4.2	1.2	9	OFF COAST OF JALISCO, MEXICO
14	13	28	31.0	42.550 N	24.115 E	5 G	0.7	10	BULGARIA. ML 3.0 (THE).
14	13	32	09.6	43.280 N	18.896 E	10 G	0.3	9	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
14	13	52	55.5	8.071 S	125.107 E	60 ? 5.0	1.7	10	TIMOR REGION, INDONESIA
14	14	28	03.3	39.124 N	27.605 E	10 G	0.4	5	TURKEY
14	14	37	10.1	28.695 N	10.403 W	10 G 4.3	1.2	22	MOROCCO
14	15	09	05.7	7.14 S	126.74 E	405 ? 4.7	1.1	6	BANDA SEA
14	15	13	12.1	52.930 S	161.125 E	33 N	0.3	12	MACQUARIE ISLANDS REGION
14	15	16	57.3	15.082 N	147.565 E	33 N 4.5	0.6	17	MARIANA ISLANDS REGION
14	15	21	52.9	16.34 N	99.36 W	33 N	0.8	5	NEAR COAST OF GUERRERO, MEXICO
14	16	28	52.6	51.48 N	16.21 E	10 G	0.2	5	POLAND
14	18	46	28.7	43.74 N	147.85 E	33 N 3.6	1.3	6	KURIL ISLANDS
14	19	28	43.1	9.227 S	158.667 E	21 D 4.6	0.9	21	SOLOMON ISLANDS
14	20	09	32.5	29.829 N	142.051 E	36 D 4.8 4.4	1.3	44	SOUTH OF HONSHU, JAPAN
14	20	21	58.4	40.059 N	28.187 E	10 G	0.4	10	TURKEY
14	20	48	36.8	48.406 N	7.753 E	10 G	0.5	6	FRANCE. ML 2.3 (LDG).
14	21	03	08.3	14.928 S	167.269 E	156 * 5.0	1.2	87	VANUATU ISLANDS
14	21	05	25.5	38.825 N	122.837 W	3		15	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
14	21	08	31.9	41.27 N	23.31 E	5 G	0.6	4	GREECE-BULGARIA BORDER REGION. ML 1.8 (THE).
14	23	17	16.8	32.569 S	179.688 E	425 * 4.3	1.0	17	SOUTH OF KERMADec ISLANDS
14	23	31	40.1	18.314 N	105.367 W	33 N 4.8	1.1	46	OFF COAST OF JALISCO, MEXICO
14	23	41	23.2	11.01 N	62.22 W	90 G	0.1	6	WINDWARD ISLANDS. MD 3.5 (TRN).
15	00	54	27.3	40.316 N	23.210 E	5 G	0.6	7	GREECE
15	01	13	18.6	21.038 N	92.591 E	78 ? 4.6	0.9	9	MYANMAR-BANGLADESH BORDER REGION
15	01	33	46.3	50.66 N	20.06 E	10 G	0.2	4	POLAND ML 3.0 (WAR).
15	01	41	53.7	41.364 N	23.382 E	5 G	0.2	7	GREECE-BULGARIA BORDER REGION. ML 2.1 (THE).
15	01	47	25.0	17.345 N	100.665 W	64 * 3.9	1.3	12	GUERRERO, MEXICO
15	02	34	37.6	25.402 N	109.763 W	20 D 4.6	1.2	28	GULF OF CALIFORNIA
15	02	45	29.5	44.758 N	6.844 E	10 G	1.1	13	FRANCE. ML 2.0 (GEN), 2.0 (LDG).

15	04 06 08 3	38.584 N	24 694 E	10 G	0.9	10	AEGEAN SEA MD 3.3 (ATH).
15	04 15 25 8*	19.224 S	41 854 E	33 N 4.5	1.4	20	MOZAMBIQUE CHANNEL. mbLg 3.9 (BUL)
15	05 28 16.4%	42.752 N	13.311 E	10 G	1.2	5	CENTRAL ITALY
15	05 59 04.9?	41.40 N	5 91 W	10 G	0.4	4	SPAIN. mbLg 3.1 (MDD). Felt (II) in the epicentral area
15	06 22 53.4?	8.59 S	117.79 E	33 N 4.4	1.4	6	SUMBAWA REGION. INDONESIA
15	08 20 14.2?	39.14 N	27.63 E	10 G	0.3	4	TURKEY
15	08 25 57.5	40.411 N	107.540 W	5 G	0.7	8	COLORADO. ML 2.6 (GS).
15	08 54 56.9	38.612 N	24.648 E	12	1.5	16	AEGEAN SEA MD 3.5 (ATH).
15	09 06 45.7%	62.110 N	149.793 W	47		58	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
15	09 50 45.1?	42.96 N	130.29 W	10 G	0.4	32	OFF COAST OF OREGON
15	12 07 03.8%	58.269 N	154.939 W	95	4.3	102	ALASKA PENINSULA. <AEIC>.
15	12 22 06.2%	39.116 N	27.621 E	10 G	0.3	5	TURKEY
15	13 01 30.2	39.396 N	22.434 E	5 G	1.2	10	GREECE. ML 2.6 (THE).
15	13 02 55.2	32.374 S	70.038 W	125 ?	0.4	12	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
15	13 13 07.6%	63.503 N	151.000 W	12		48	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 3.1 (PMR).
15	13 57 37.1%	43.455 N	5.457 E	5 G	0.3	8	NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR).
15	14 05 26.6*	45.158 N	21.439 E	10 G	1.5	5	ROMANIA. MG 3.0 (BEO).
15	16 17 28.1%	37.538 N	118.872 W	7		20	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK), 3.1 (PAS).
15	16 32 08.5	44.185 N	11.861 E	10 G	1.1	8	NORTHERN ITALY
15	16 38 22.4*	30.546 S	71.306 W	70 G	0.7	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
15	17 00 37.5%	22.949 N	120.954 E	10 G	0.9	6	TAIWAN
15	17 08 38.5%	42.423 N	19.262 E	20 *	0.1	7	NORTHWESTERN BALKAN REGION. ML 1.1 (TTG).
15	19 53 43.5	29.696 N	69.134 E	19 D 4.6 4.3	1.3	26	PAKISTAN
15	20 00 33.5	49.161 N	6.820 E	5 G	1.1	6	GERMANY. ML 1.9 (STR).
15	21 54 26.4?	38.33 N	20.51 E	5 G	0.6	11	GREECE. ML 2.9 (THE).
15	21 56 35.7*	37.614 N	66.561 E	33 N 4.6	0.9	22	AFGHANISTAN-TAJIKISTAN BORD REG.
15	23 58 23.9?	30.36 S	71.62 W	33 N	0.7	9	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
16	00 23 11.5*	38.435 N	26.688 E	10 G	0.2	6	AEGEAN SEA
o 16	00 35 38.3	37.276 S	176.755 E	286 5.0	1.1	133	NORTH ISLAND, NEW ZEALAND. Felt at Napier and Wellington.
16	00 35 43.9*	45.395 N	10.657 E	10 G	1.2	6	NORTHERN ITALY. ML 2.2 (VIE).
16	00 42 22.3%	59.801 N	152.761 W	90		45	SOUTHERN ALASKA. <AEIC>.
16	01 03 52.8*	23.994 N	122.874 E	33 N 4.2	1.2	13	TAIWAN REGION
16	01 09 23.7?	40.35 N	28.30 E	10 G	0.2	4	TURKEY
16	01 27 13.0	45.837 N	0.435 E	11	1.3	27	FRANCE. ML 3.5 (LDG), 3.3 (STR).
16	03 03 01.6%	43.027 N	18.799 E	10 G	0.3	8	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
16	03 39 02.0	25.895 N	100.581 W	5 G	0.9	11	NORTHERN MEXICO. mbLg 3.6 (GS).
16	03 42 27.9%	41.423 N	6.166 W	10 G	1.0	5	PORTUGAL. mbLg 2.8 (MDD). Felt (II) in the epicentral area.
16	03 51 07.0*	26.514 S	70.134 W	33 N	0.9	7	NEAR COAST OF NORTHERN CHILE
16	08 00 36.4?	17.03 N	61.65 W	33 N	0.4	4	LEEWARD ISLANDS. ML 2.4 (FDF).
16	08 27 38.4%	39.057 N	27.701 E	10 G	0.4	5	TURKEY
16	09 23 56.4?	5.60 S	146.79 E	156 * 4.5	1.2	7	EASTERN NEW GUINEA REG., P.N.G.
16	09 27 52.3?	32.19 S	179.86 W	420 * 4.2	1.3	28	SOUTH OF KERMADEC ISLANDS
16	09 48 14.3*	36.024 N	28.106 E	33 N	1.6	6	DODECANESE ISLANDS. MD 4.0 (HLW). ML 3.6 (CSS).
16	09 49 21.4?	39.47 N	23.12 E	10 G	0.2	4	AEGEAN SEA. ML 1.9 (THE).
16	10 27 19.4?	6.86 S	148.16 E	67 ? 3.9	1.3	10	NEW BRITAIN REGION, P.N.G.
16	10 32 07.9	5.613 S	146.325 E	54 D 4.9	1.1	70	EASTERN NEW GUINEA REG., P.N.G.
16	11 12 38.1*	5.354 S	100.733 W	10 G 5.3	1.0	62	CENTRAL EAST PACIFIC RISE
16	12 01 08.7%	39.206 N	27.567 E	10 G	0.6	5	TURKEY
16	12 14 22.5	37.660 N	66.469 E	33 D 4.8	1.1	49	AFGHANISTAN-TAJIKISTAN BORD REG.
16	12 31 43.7	38.966 N	23.419 E	10 G	1.2	8	GREECE. MD 2.9 (ATH). ML 2.3 (THE).
16	12 32 46.5	37.687 N	66.472 E	28 D 5.0	0.9	69	AFGHANISTAN-TAJIKISTAN BORD REG.
16	12 59 00.5?	16.95 N	99.73 W	10 G	0.8	4	NEAR COAST OF GUERRERO, MEXICO
16	13 37 29.9	44.400 N	7.407 E	11	0.6	28	NORTHERN ITALY. ML 3.0 (GEN), 3.0 (LDG), 3.0 (STR).
16	14 34 11.8%	62.197 N	148.744 W	39		51	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
16	15 11 32.4*	51.856 N	179.989 E	147 * 4.6	1.5	11	RAT ISLANDS, ALEUTIAN ISLANDS
16	15 23 07.6*	14.395 N	92.921 W	61 * 4.3	1.3	10	NEAR COAST OF CHIAPAS, MEXICO
16	15 45 24.8	46.164 N	14.422 E	10 G	0.8	9	NORTHWESTERN BALKAN REGION. MD 2.5 (LJU).
16	15 56 29.9*	46.167 N	14.418 E	10 G	1.5	5	NORTHWESTERN BALKAN REGION
16	17 12 54.6%	44.648 N	6.787 E	10 G	0.4	6	FRANCE. ML 2.2 (GEN).
16	17 35 02.0?	7.28 S	147.46 E	33 N 3.6	1.2	5	EASTERN NEW GUINEA REG., P.N.G.
16	17 55 18.8?	53.92 N	170.32 E	33 N 4.3	0.4	4	NEAR ISLANDS, ALEUTIAN ISLANDS
16	18 54 10.2	39.823 N	26.182 E	10 G	0.7	7	TURKEY. MD 2.9 (ATH).
16	19 19 19.9%	39.434 N	27.873 E	10 G	0.5	7	TURKEY
16	19 33 14.5	2.599 N	128.341 E	38 D 4.9 4.4	1.2	46	HALMAHERA, INDONESIA
16	19 40 36.5?	31.67 S	178.83 W	453 ? 4.1	1.2	20	KERMADEC ISLANDS REGION
16	19 59 25.5%	43.451 N	5.460 E	10 G	0.4	8	NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR).
16	20 26 16.7	3.817 S	151.405 E	33 N 4.9 4.4	0.9	35	NEW IRELAND REGION, P.N.G.
16	20 55 28.9	38.635 N	27.462 E	10 G	0.6	7	TURKEY
16	22 22 37.7?	51.49 N	16.14 E	10 G	0.7	10	POLAND. ML 3.4 (GRF).
16	23 37 13.4?	38.71 N	26.34 E	10 G	0.4	5	AEGEAN SEA
16	23 43 26.2*	16.701 S	175.953 E	17 * 4.5 4.6	1.0	24	FIJI ISLANDS REGION. MD 4.7 (SVA).
17	00 00 15.8	38.743 N	26.478 E	8 3.8	0.7	46	AEGEAN SEA. ML 3.7 (ATH), 3.5 (THE).
17	00 18 38.1	43.694 N	21.140 E	10 G	1.1	26	NORTHWESTERN BALKAN REGION. ML 3.0 (TTG). Felt at Trstenik.
17	00 42 14.1*	9.939 N	92.901 E	83 ? 4.7	1.2	19	NICOBAR ISLANDS, INDIA
17	01 26 04.0	45.021 N	10.010 E	10 G	1.1	60	NORTHERN ITALY. MD 3.7 (TRI), 3.4 (ROM), ML 3.5 (LDG), 3.3 (STR).
17	01 26 10.0	45.032 N	10.006 E	10	0.7	23	NORTHERN ITALY. ML 3.7 (LDG).
17	02 18 47.5	40.152 N	21.494 E	5 G	0.4	9	GREECE. ML 2.2 (THE).
17	03 05 16.4?	40.72 N	23.08 E	5 G	0.5	4	GREECE
17	03 39 31.0*	23.604 N	94.848 E	33 N 4.3	1.5	8	MYANMAR-INDIA BORDER REGION
17	04 06 22.3%	43.249 N	19.018 E	10 G	0.2	9	NORTHWESTERN BALKAN REGION. ML 2.4 (TTG).
17	04 28 04.4?	26.73 S	175.72 W	33 N 4.6	0.9	7	SOUTH OF TONGA ISLANDS
17	04 34 50.4	8.868 S	116.706 E	161 * 4.9	1.2	47	SUMBAWA REGION. INDONESIA
17	04 40 44.7*	5.862 S	146.023 E	112 * 4.9	1.3	14	EASTERN NEW GUINEA REG., P.N.G.
17	04 41 14.0%	46.737 N	2.834 E	10 G	0.4	8	FRANCE. ML 1.5 (LDG).
17	04 58 57.0%	16.244 N	61.338 W	28 *	0.2	7	LEEWARD ISLANDS. ML 2.0 (FDF).
17	05 17 04.8*	24.731 N	93.222 E	59 ? 4.6	1.6	12	MYANMAR-INDIA BORDER REGION
17	06 08 51.0*	35.746 N	26.302 E	10 G	1.3	5	CRETE. MD 3.6 (ATH).



17	06 25 12.9%	37.142 N	3.702 W	10 G	0.2	5	SPAIN mbLg 2.7 (MDD)
17	06 50 58.2	18.597 N	101.139 W	86	4.8	1.2	68 GUERRERO, MEXICO
17	07 46 07.6	40.038 N	142.693 E	42 D	5.2	1.1	124 NEAR EAST COAST OF HONSHU, JAPAN
17	08 09 18.4*	40.966 N	17.829 E	10 G	3.3	1.1	7 SOUTHERN ITALY
17	09 22 02.9?	39.15 N	27.54 E	10 G		0.1	4 TURKEY
17	09 48 02.1?	15.68 N	60.43 W	22 *		0.2	8 LEEWARD ISLANDS. ML 2.6 (FDF).
17	10 04 26.6?	39.13 N	27.65 E	10 G		0.6	4 TURKEY
17	10 27 58.7%	32.266 S	71.357 W	33 N		0.6	6 NEAR COAST OF CENTRAL CHILE
17	10 42 16.0	14.539 S	167.212 E	216 D	5.3	1.0	196 VANUATU ISLANDS
17	12 01 35.5%	60.227 N	151.248 W	46			54 KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
17	12 44 03.5%	39.141 N	27.656 E	10 G		0.6	5 TURKEY
17	13 20 49.1?	5.97 S	149.54 E	33 N	4.5	1.2	7 NEW BRITAIN REGION, P.N.G. ML 4.4 (PMG).
17	13 47 40.8?	32.63 S	71.65 W	10 G		0.4	8 NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
17	14 49 55.1*	38.425 N	20.790 E	10 G		0.4	5 GREECE. MD 3.1 (ATH).
17	15 25 13.1	36.354 N	26.501 E	143		0.7	17 DODECANESE ISLANDS. MD 4.1 (HLW).
17	15 40 07.6	43.687 N	127.648 W	10 G	4.3	0.8	77 OFF COAST OF OREGON
17	17 43 33.3*	6.588 S	129.904 E	148 ?	4.9	1.5	11 BANDA SEA
17	17 50 53.6%	43.047 N	18.798 E	10 G		0.3	8 NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
17	18 27 10.3%	43.094 N	18.775 E	10 G		0.2	8 NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
17	18 28 21.9	51.083 N	178.872 E	33 N	4.7 4.3	1.2	37 RAT ISLANDS, ALEUTIAN ISLANDS
17	18 39 43.6	50.992 N	178.921 E	33 N	4.7 4.4	1.1	56 RAT ISLANDS, ALEUTIAN ISLANDS
17	19 19 42.6	51.092 N	178.890 E	33 N	4.7	1.1	41 RAT ISLANDS, ALEUTIAN ISLANDS
17	19 40 32.3	48.413 N	7.739 E	5 G		0.4	7 FRANCE. ML 2.4 (LDG).
17	19 44 43.4?	37.53 N	4.33 W	10 G		0.9	4 SPAIN. mbLg 2.5 (MDD).
17	20 24 39.8	41.408 N	142.847 E	50 D	4.8 4.1	1.3	74 HOKKAIDO, JAPAN REGION
17	20 46 37.7*	5.111 S	100.796 W	10 G	5.4	1.3	44 CENTRAL EAST PACIFIC RISE
17	21 28 46.9%	18.124 N	100.205 W	33 N		0.6	7 GUERRERO, MEXICO
17	21 50 20.5	38.873 N	23.203 E	10 G		0.6	12 GREECE. ML 3.2 (ATH), 2.8 (THE).
17	22 00 19.0%	40.370 N	124.172 W	33 N	4.0		78 NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.7 (BRK). Felt (IV) at Fortuna, Honeydew and Rio Dell. Felt (III) at Ferndale, Lolo and Redcrest. Also felt at Arcata, Carlatto, Eureka, Fickle Hill and Weatt.
17	22 37 43.1*	6.465 S	131.254 E	90 *	4.9	1.3	17 TANIMBAR ISLANDS REG., INDONESIA
17	23 22 29.8%	40.509 N	23.498 E	5 G		0.8	6 GREECE. ML 1.9 (THE).
17	23 34 56.6%	43.046 N	18.794 E	10 G		0.4	9 NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
17	23 46 09.1%	40.625 N	23.783 E	5 G		0.3	5 GREECE. ML 1.8 (THE).
18	00 18 05.8	37.214 N	137.366 E	261	4.6	1.0	42 NEAR WEST COAST OF HONSHU, JAPAN
18	00 43 44.2%	38.214 N	29.788 E	10 G		0.7	7 TURKEY.
18	00 57 53.3%	43.265 N	18.880 E	10 G		0.3	8 NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
18	03 32 39.4*	41.832 N	125.804 W	10 G	3.7	1.0	19 OFF COAST OF NORTHERN CALIFORNIA
18	03 50 15.1%	43.255 N	18.939 E	10 G		0.4	9 NORTHWESTERN BALKAN REGION. ML 1.9 (TTG)
18	04 40 44.9*	6.609 S	130.799 E	131 *	4.7	1.3	10 BANDA SEA
18	04 45 11.7*	21.286 S	68.662 W	126 *	4.1	1.2	10 CHILE-BOLIVIA BORDER REGION
18	06 25 40.6?	5.04 S	145.02 E	33 N	4.3	0.7	5 EASTERN NEW GUINEA REG., P.N.G.
18	07 26 07.5?	38.90 N	20.88 E	10 G		0.6	5 GREECE
o 18	08 33 54.0	3.644 N	126.781 E	22 D	4.9 4.7	1.4	51 TALAUD ISLANDS, INDONESIA
18	08 38 57.0	32.425 N	49.914 E	33 N	4.4	1.1	11 WESTERN IRAN
18	08 56 06.7	37.894 N	142.690 E	22 D	5.0 4.7	1.3	67 OFF EAST COAST OF HONSHU, JAPAN
18	09 01 24.4	42.741 N	111.123 W	5 G		0.6	28 EASTERN IDAHO. ML 3.0 (GS).
18	10 51 22.0	3.376 N	126.239 E	33 N	4.8 4.2	1.2	31 TALAUD ISLANDS, INDONESIA
18	10 57 03.6*	38.609 N	24.674 E	10 G		1.7	15 AEGEAN SEA. ML 3.3 (ATH).
18	10 57 05.2%	41.153 N	23.649 E	5 G		0.1	5 GREECE-BULGARIA BORDER REGION
o 18	11 06 42.8	3.443 N	126.509 E	26 D	5.0 4.7	1.2	70 TALAUD ISLANDS, INDONESIA
18	11 12 01.1%	43.175 N	18.747 E	10 G		0.3	7 NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
18	11 36 06.2*	24.166 S	176.233 W	56 *	5.2	1.3	41 SOUTH OF FIJI ISLANDS
18	12 14 13.3	20.860 S	176.351 W	249 *	4.8	1.1	41 FIJI ISLANDS REGION
18	12 48 45.2	44.282 N	21.409 E	5 G		1.1	21 NORTHWESTERN BALKAN REGION. ML 3.2 (TTG). Felt at Svetozarevo.
18	12 52 54.5?	16.17 S	175.15 W	33 N	4.7	1.2	16 TONGA ISLANDS
18	13 35 03.3	37.050 N	29.574 E	27		0.7	29 TURKEY. MD 4.2 (ATH). ML 3.9 (CSS). Some damage in the Cameli area.
18	14 11 45.3%	45.333 N	3.368 E	10 G		0.1	5 FRANCE. ML 1.0 (STR).
18	14 45 52.0%	44.381 N	7.378 E	10 G		0.4	8 NORTHERN ITALY. ML 2.3 (GEN).
18	14 49 58.5	36.102 N	31.128 E	10 G		1.2	15 TURKEY. ML 4.0 (CSS).
18	15 25 36.2%	43.249 N	18.943 E	10 G		0.1	7 NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
18	16 12 43.1%	44.264 N	7.502 E	10 G		0.6	8 NORTHERN ITALY. ML 2.2 (GEN).
18	16 31 42.7%	46.561 N	3.161 W	10 G		0.5	14 BAY OF BISCAY. ML 3.1 (LDG).
18	18 12 18.0*	5.160 S	102.202 E	33 N	4.8	1.0	10 SOUTHERN SUMATERA, INDONESIA
18	18 57 17.1?	16.48 N	99.73 W	33 N		1.7	8 NEAR COAST OF GUERRERO, MEXICO
18	19 16 37.6%	36.763 N	121.480 W	4			7 CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
18	19 48 50.7*	38.904 N	33.427 E	10 G	3.9	1.3	12 TURKEY
18	20 07 49.6*	43.875 N	145.599 E	128 ?	4.4	0.8	11 HOKKAIDO, JAPAN REGION
18	20 53 47.1?	6.39 S	147.60 E	103 *	4.4	1.3	6 EASTERN NEW GUINEA REG., P.N.G.
18	20 56 21.6%	16.516 N	61.169 W	33 N		0.7	6 LEEWARD ISLANDS. ML 3.0 (FDF).
18	21 37 33.6%	31.322 S	68.209 W	33 N		0.8	5 SAN JUAN PROVINCE, ARGENTINA
18	21 44 23.8	39.852 N	24.468 E	10 G		0.4	9 AEGEAN SEA. ML 2.4 (THE).
18	22 18 03.8	28.032 N	55.310 E	65 *	4.7	1.1	46 SOUTHERN IRAN
18	22 28 52.8	43.932 N	16.407 E	10 G		1.0	58 NORTHWESTERN BALKAN REGION. ML 3.9 (TTG), 3.8 (ZAG), 3.7 (ROM). MD 3.9 (TRI). Felt at Knin and Vrljka.
18	23 05 16.1%	40.337 N	23.890 E	5 G		0.3	5 GREECE
18	23 13 53.8?	44.65 N	7.30 E	10 G		0.0	4 NORTHERN ITALY. ML 1.3 (GEN).
18	23 32 25.3*	39.475 N	23.665 E	10 G		0.7	10 AEGEAN SEA. ML 2.7 (THE).
18	23 59 20.2%	37.567 N	121.690 W	7			11 CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
19	00 32 59.9*	3.452 N	126.518 E	33 N	4.8	0.8	12 TALAUD ISLANDS, INDONESIA
19	01 04 18.0*	32.484 N	93.593 E	33 N	4.9	0.9	13 XIJIANG
19	01 09 41.1?	34.15 N	46.84 E	10 G	4.3	1.3	4 WESTERN IRAN. Felt at Bakhtoran.
19	02 12 05.0*	43.401 N	128.294 W	10 G		0.3	44 OFF COAST OF OREGON
19	02 46 51.9?	19.60 S	176.14 W	275 ?	4.3	0.7	11 FIJI ISLANDS REGION
19	02 49 18.0%	40.223 N	27.043 E	10 G		0.6	6 TURKEY
19	03 59 28.9	31.977 S	71.304 W	74 D	4.9	1.0	29 NEAR COAST OF CENTRAL CHILE. Felt (IV) at La Ligua, Ovalle and Petorca; (III) at Olmue and San Felipe; (II) at Valparaiso.
19	05 08 06.9?	42.00 N	126.42 W	10 G		0.6	5 OFF COAST OF NORTHERN CALIFORNIA

19	05 34 34.8*	1.331 S	134.261 E	27 D	5.2	1.4	29	IRIAN JAYA REGION, INDONESIA
19	05 53 03.0?	33.29 S	118.04 E	10 G		1.3	4	WESTERN AUSTRALIA
19	08 24 02.6	35.567 N	139.971 E	79	4.9	1.1	102	NEAR S. COAST OF HONSHU, JAPAN. Felt (IV JMA) at Tokyo; (III JMA) at Chiba, Utsunomiya and Yokohama; (II JMA) at Kofu and Mito; (I JMA) at Maebashi, Shizuoka and on Miyake-jima.
19	09 18 50.0?	53.42 N	169.38 W	138 *	4.2	0.8	8	FOX ISLANDS, ALEUTIAN ISLANDS
19	09 47 13.1%	43.060 N	0.550 W	5 G		0.3	5	PYRENEES. ML 1.0 (STR).
19	10 38 20.1	33.873 N	117.438 W	5 G		0.6	6	SOUTHERN CALIFORNIA. ML 2.8 (GS).
a 19	11 56 38.4	8.436 N	39.494 W	10 G	5.1 4.5	1.0	86	CENTRAL MID-ATLANTIC RIDGE
19	12 44 13.2%	59.974 N	152.989 W	112			46	SOUTHERN ALASKA. <AEIC>.
19	13 02 04.7%	42.919 N	18.399 E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
19	13 10 20.3?	39.13 N	27.63 E	10 G		0.7	4	TURKEY
a 19	13 29 21.6	56.121 S	123.371 W	10 G	5.2 5.6	1.1	43	SOUTHERN EAST PACIFIC RISE. Mo=1.3*10**18 Nm (PPT).
19	16 57 21.1*	50.480 N	18.916 E	10 G		0.7	6	POLAND. ML 3.4 (WAR).
19	17 13 20.0%	44.437 N	7.274 E	5 G		0.6	5	NORTHERN ITALY. ML 1.4 (GEN).
19	17 43 30.3%	43.285 N	18.883 E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
19	17 49 39.7	43.409 N	147.667 E	33 D	5.1	1.0	89	KURIL ISLANDS
19	17 50 22.7*	5.774 S	129.777 E	194 *	4.5	0.4	9	BANDA SEA
19	18 40 00.0%	43.445 N	5.441 E	5 G		0.3	8	NEAR SOUTH COAST OF FRANCE. ML 2.7 (STR).
19	19 47 31.3	38.379 N	21.869 E	9		0.8	12	GREECE. ML 3.0 (ATH), 2.9 (THE).
19	20 06 05.4	47.968 N	19.336 E	10 G		0.6	6	HUNGARY. ML 2.4 (BRA). Felt (III) at Balassagyarmat. Also felt at Cebavce, Kalary, Nenince, Velka Calamija, Velky Krtis and Zelavce, Czechoslovakia.
19	21 03 08.9%	43.281 N	18.880 E	10 G		0.3	9	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
19	21 17 22.2*	6.762 N	72.886 W	159	4.4	0.9	12	NORTHERN COLOMBIA. Felt at Bagota, Bucaramanga, Cali and Medellin.
19	21 46 08.8%	43.256 N	18.915 E	10 G		0.4	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
f 19	22 28 51.0	4.554 N	77.442 W	21 D	6.4 7.0	1.2	447	NEAR WEST COAST OF COLOMBIA. MD 6.8 (UVC). Ms 6.4 (BRK). Mo=5.0*10**19 Nm (PPT). Two people killed and 28 houses damaged in Chaco Department. Minor damage (VI) to buildings in the Buenaventura and Cali areas. Felt strongly in many parts of western Colombia. Felt (II) at Quito and Guayaquil, Ecuador. Complex event observed on broadband displacement seismograms.
19	23 06 14.7%	43.071 N	0.594 W	5 G		0.2	6	PYRENEES. ML 1.0 (STR).
19	23 23 03.7	39.740 N	20.408 E	10		0.7	19	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH). ML 3.1 (THE).
19	23 41 36.9*	39.768 N	20.535 E	10 G		0.7	13	GREECE-ALBANIA BORDER REGION. ML 2.7 (THE).
20	00 03 37.2*	4.635 N	77.695 W	33 N	4.6	1.3	22	NEAR WEST COAST OF COLOMBIA. MD 4.0 (UVC).
20	00 21 25.4	35.245 N	27.929 E	33 N		1.3	15	DODECANESE ISLANDS. ML 4.0 (CSS). MD 3.8 (ATH).
20	00 37 33.5*	4.761 N	77.603 W	30	4.0	0.7	10	NEAR WEST COAST OF COLOMBIA. MD 4.0 (UVC).
20	01 50 28.3*	30.674 N	142.595 E	33 N	4.7	1.2	11	SOUTH OF HONSHU, JAPAN
20	01 54 17.0	46.778 N	9.519 E	10 G	4.7	1.2	211	SWITZERLAND. ML 5.1 (STR), 5.1 (LDG), 5.1 (VIE), 5.1 (BNS), 5.0 (ZUR). MD 4.5 (TRI), 4.5 (ROM). Felt strongly in many parts of Switzerland as far away as Basel.
20	02 17 47.9*	19.153 N	64.032 W	33 N	4.2	0.7	10	VIRGIN ISLANDS
20	02 27 25.2	46.759 N	9.404 E	10 G		0.2	7	SWITZERLAND. ML 2.5 (LDG).
20	02 30 31.1%	43.093 N	18.682 E	10 G		0.2	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
20	02 47 48.3	46.771 N	9.485 E	10 G		1.1	9	SWITZERLAND. ML 2.6 (LDG).
20	03 19 16.5	23.762 N	121.775 E	10 G	4.0	0.9	10	TAIWAN
20	03 20 56.8%	43.287 N	18.891 E	10 G		0.3	7	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
20	04 23 16.8%	37.698 N	16.559 E	10 G		1.5	6	IONIAN SEA
a 20	04 33 50.7?	19.05 S	177.70 W	667 ?	4.8	1.3	30	FIJI ISLANDS REGION
20	04 40 49.7*	44.920 S	80.956 W	10 G	5.3	1.1	31	OFF COAST OF SOUTHERN CHILE
20	05 17 31.9*	37.008 N	29.519 E	10 G		1.3	7	TURKEY
20	05 55 24.0%	62.044 N	150.634 W	1	3.6		97	CENTRAL ALASKA. <AEIC>. ML 4.4 (AEIC), 4.3 (PMR). Felt (IV) at Skwentna and (II) at Anchorage, Talkeetna and Willow.
20	06 04 28.1*	46.721 N	9.514 E	10 G		0.5	7	SWITZERLAND. ML 2.6 (LDG).
20	08 45 54.9	4.814 N	77.602 W	33 N	4.1	1.3	22	NEAR WEST COAST OF COLOMBIA. MD 4.5 (UVC).
20	08 58 13.2*	4.663 N	77.405 W	31	3.9	0.7	11	NEAR WEST COAST OF COLOMBIA. MD 4.0 (UVC).
o 20	09 23 09.4	36.515 S	178.385 E	79 D	6.0	1.4	271	OFF E. COAST OF N. ISLAND, N.Z. mb 6.2 (BRK). Mo=2.5*10**18 Nm (PPT). Felt at Gisborne, Raumatia, Tauranga, Waihi and Whakatane.
20	09 42 28.6	30.663 S	177.837 W	68 D	5.5	1.4	64	KERMADEC ISLANDS, NEW ZEALAND
20	09 55 09.7%	36.172 N	120.272 W	10			18	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK), 3.9 (PAS). Felt (IV) at Coalinga.
20	10 06 44.7	36.167 N	120.306 W	10 G		1.3	7	CENTRAL CALIFORNIA. ML 2.9 (GS).
20	10 09 16.7	36.157 N	120.254 W	10 G		1.4	8	CENTRAL CALIFORNIA. ML 2.7 (GS), 3.1 (PAS).
20	10 12 27.5%	36.165 N	120.262 W	9			21	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK), 3.9 (PAS). Felt in the Coalinga area.
20	11 17 04.3	47.679 N	146.317 E	428 ?	4.7	0.9	42	NORTHWEST OF KURIL ISLANDS
20	12 10 31.6*	26.335 N	70.861 E	19 D	4.5	1.5	12	INDIA-PAKISTAN BORDER REG.
20	13 05 51.2	46.711 N	9.536 E	10 G		0.8	9	SWITZERLAND. ML 2.7 (LDG).
20	13 41 19.3*	41.813 N	23.578 E	10 G		1.3	9	GREECE-BULGARIA BORDER REGION. ML 3.1 (THE).
20	13 42 09.3?	43.20 N	0.59 W	10 G		0.1	4	PYRENEES. ML 1.0 (STR).
20	14 20 35.0?	32.81 S	71.68 W	54 *	4.8	1.5	8	NEAR COAST OF CENTRAL CHILE. Felt (III) at La Ligua, Olmue, Petorca, Quillota, Valparaisa and Vina del Mar; (II) at Putaendo.
20	14 22 58.4	4.783 N	77.624 W	33 N	3.9	0.6	12	NEAR WEST COAST OF COLOMBIA. MD 4.1 (UVC).
20	14 39 29.2?	46.62 N	9.45 E	10 G		0.4	4	SWITZERLAND
20	14 47 17.8%	44.727 N	6.898 E	5 G		0.4	9	FRANCE. ML 2.4 (GEN).
20	15 41 08.9*	51.225 N	15.698 E	10 G		1.2	10	POLAND
20	17 15 56.9?	43.09 N	1.16 W	10 G		0.3	4	PYRENEES. ML 1.1 (STR).
20	17 36 32.8?	4.78 N	77.54 W	31		0.7	9	NEAR WEST COAST OF COLOMBIA. MD 4.0 (UVC).
20	18 15 48.0%	60.896 N	147.482 W	29	3.7		94	SOUTHERN ALASKA <AEIC>. ML 4.1 (PMR), 4.0 (AEIC). Felt at Whittier.
20	18 46 04.3?	46.80 N	9.88 E	10 G		1.7	4	SWITZERLAND
20	20 41 00.5	39.031 N	29.751 E	10 G		1.1	10	TURKEY
20	20 55 09.9?	15.95 N	61.01 W	10 G		0.9	4	LEEWARD ISLANDS. ML 2.3 (FDF).
20	21 45 28.4*	30.618 S	71.770 W	69 *	4.9	1.1	12	NEAR COAST OF CENTRAL CHILE

20	22	14	34.7	46.670	N	9.568	E	10	G	1	1	6	SWITZERLAND		
20	22	42	17.1	22.489	S	66.039	W	244	4.8	1.0	56	JUJUY PROVINCE, ARGENTINA			
20	23	34	01.6*	12.319	N	124.593	E	19	D	4.7	4.1	0.9	26 SAMAR, PHILIPPINE ISLANDS. Felt (V RF) in the epicentral area, (III RF) at Bulusan and Catbalogan and (II RF) at Legaspi and Linon Hill.		
20	23	57	00.1	44.835	N	6.867	E	10	G	0.4	11	FRANCE. ML 2.3 (GEN), 1.9 (LDG).			
20	23	58	03.8%	44.873	N	6.914	E	10	G	0.6	7	FRANCE. ML 2.3 (LDG).			
20	23	58	25.2%	44.862	N	6.849	E	10	G	0.2	4	FRANCE. ML 2.1 (LDG).			
20	23	59	36.3%	44.814	N	6.867	E	10	G	0.5	5	FRANCE. ML 1.9 (GEN).			
21	00	05	25.2%	44.812	N	6.863	E	10	G	0.3	5	FRANCE. ML 1.6 (GEN).			
21	00	16	49.6*	10.438	S	123.774	E	33	N	4.4	1.1	6	TIMOR REGION, INDONESIA		
21	00	24	45.0*	36.771	N	71.518	E	33	N	0.8	7	AFGHANISTAN-TAJIKISTAN BORD REG.			
21	00	57	12.8?	39.45	N	26.40	E	10	G	0.1	6	TURKEY			
21	01	17	53.9%	37.748	N	122.157	W	2			6	CENTRAL CALIFORNIA. <BRK>. ML 1.6 (BRK). Felt in parts of Berkeley and Oakland.			
21	02	16	31.7	45.491	N	21.176	E	27		1.2	57	ROMANIA. ML 4.3 (ZAG). MD 4.4 (TRI). Felt (IV) in the Timisoara area.			
21	02	39	18.2%	40.271	N	23.024	E	10	G	1.1	5	GREECE. ML 1.5 (THE).			
21	02	53	40.3	41.815	N	26.539	E	10	G	0.9	10	GREECE-BULGARIA BORDER REGION			
21	04	07	19.4	26.642	N	96.446	E	84	D	4.9	0.8	89	MYANMAR		
21	05	48	15.6?	42.37	N	25.06	E	10	G	0.8	6	BULGARIA			
21	07	04	08.0?	19.00	N	65.76	W	31	*	0.4	6	PUERTO RICO REGION			
21	07	24	12.8?	6.69	S	128.13	E	365	?	0.8	6	BANDA SEA			
21	07	47	13.2*	2.313	S	80.152	W	62	?	4.2	1.1	14	NEAR COAST OF ECUADOR. MD 4.2 (QUI). Felt (III) at Guayaquil and Cuenca.		
21	08	24	14.2?	1.90	S	79.79	W	10	G	0.6	8	ECUADOR. MD 4.1 (QUI).			
21	08	26	43.5%	58.891	N	152.817	W	68			33	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).			
21	09	19	47.1*	24.145	N	123.846	E	10	G	4.2	0.6	6	SOUTHWESTERN RYUKYU ISLANDS		
21	10	06	23.1?	4.98	N	77.74	W	33	N		0.6	9	NEAR WEST COAST OF COLOMBIA. MD 3.3 (UVC).		
21	10	12	05.9*	45.293	N	21.235	E	10	G		0.7	5	ROMANIA. ML 3.0 (LDG).		
21	10	23	32.3?	6.01	S	147.23	E	117	?	4.0	1.0	5	EASTERN NEW GUINEA REG., P.N.G.		
21	10	34	14.7%	45.145	N	0.951	W	10	G		1.3	8	FRANCE. ML 3.0 (LDG).		
21	10	39	30.3	41.964	N	142.464	E	76		4.2	0.8	22	HOKKAIDO, JAPAN REGION		
21	11	46	50.4	46.279	N	7.448	E	14			1.0	50	SWITZERLAND. ML 3.3 (LDG), 3.3 (STR), 3.1 (GEN).		
21	12	01	00.6%	46.183	N	7.471	E	10	G		0.8	5	SWITZERLAND		
o 21	12	38	28.5	5.782	N	126.832	E	73	G	6.0	1.2	298	MINDANAO, PHILIPPINE ISLANDS. Mo=1.6*10**18 Nm (PPT). Depth from broadband displacement seismograms.		
21	12	51	57.2*	6.813	S	131.220	E	126	*	5.1	0.8	16	TANIMBAR ISLANDS REG., INDONESIA		
21	12	52	09.4?	43.06	N	0.67	W	10	G		0.3	4	PYRENEES. ML 1.0 (STR).		
21	13	07	38.9	51.615	N	16.420	E	10	G		0.4	10	POLAND. ML 3.5 (GRF), 3.5 (VIE).		
21	13	37	42.1*	33.714	N	90.337	E	33	N	4.3	0.9	12	QINGHAI, CHINA		
21	14	09	38.5*	0.490	N	29.018	W	10	G	4.8	4.1	1.2	9	CENTRAL MID-ATLANTIC RIDGE	
21	15	08	07.5?	41.26	N	25.66	E	10	G		0.0	4	GREECE-BULGARIA BORDER REGION		
21	16	25	52.8*	30.609	N	49.944	E	33	N	4.1	0.8	6	WESTERN IRAN		
21	16	53	04.5*	23.239	N	120.263	E	10	G		0.9	7	TAIWAN		
21	16	57	09.3?	11.60	N	87.73	W	33	N	4.5	0.5	10	NEAR COAST OF NICARAGUA		
21	18	01	58.7%	59.835	N	152.823	W	99				48	SOUTHERN ALASKA. <AEIC>.		
21	18	41	21.2*	22.161	S	68.413	W	100	?	4.3	1.3	15	NORTHERN CHILE		
21	21	43	45.3	46.674	N	9.539	E	10	G		1.2	7	SWITZERLAND		
21	21	45	00.6	46.702	N	9.493	E	10	G		1.1	13	SWITZERLAND. ML 2.6 (LDG).		
21	22	50	08.2	48.692	N	28.005	W	10	G	4.8	4.7	1.0	102	NORTHERN MID-ATLANTIC RIDGE	
o 21	23	03	14.4	48.749	N	28.046	W	10	G	5.2	5.3	1.0	192	NORTHERN MID-ATLANTIC RIDGE	
21	23	59	08.5*	10.170	S	108.833	E	33	N	4.5	4.4	1.3	15	SOUTH OF JAWA, INDONESIA	
22	00	38	33.0%	40.121	N	28.062	E	10	G		0.6	8	TURKEY		
22	00	39	47.9?	28.14	S	67.04	W	33	N		0.7	5	LA RIOJA PROVINCE, ARGENTINA		
22	00	40	23.9	13.887	N	44.068	E	10	G	4.7	1.1	40	WESTERN ARABIAN PENINSULA. Ten people killed, 39 injured, 17 houses destroyed and 87 damaged in western Yemen.		
22	00	44	08.3	36.882	N	24.480	E	9		3.2	1.0	18	SOUTHERN GREECE. ML 3.4 (ATH).		
22	00	46	04.6	46.665	N	9.571	E	10	G		0.9	7	SWITZERLAND		
22	00	57	14.7?	56.47	N	160.13	E	90	G	4.7	0.9	11	KAMCHATKA		
22	01	30	31.8?	2.12	S	149.62	E	33	N	4.6	0.9	5	NEW IRELAND REGION, P.N.G.		
22	02	13	24.1	46.652	N	9.578	E	10	G		1.0	8	SWITZERLAND		
22	03	51	48.7*	37.607	N	22.094	E	10	G		0.7	9	SOUTHERN GREECE. ML 3.2 (ATH).		
22	05	23	13.2?	4.85	N	77.76	W	33	N		0.4	8	NEAR WEST COAST OF COLOMBIA		
22	05	38	33.6*	40.172	N	30.027	E	10	G		1.2	6	TURKEY		
22	05	43	26.8%	43.247	N	18.852	E	10	G		0.1	7	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).		
22	05	45	02.5?	49.94	N	7.28	E	10	G		1.3	4	GERMANY. ML 2.6 (LDG).		
22	06	00	13.9*	4.841	N	77.591	W	33	N	3.6	0.5	10	NEAR WEST COAST OF COLOMBIA. MD 3.9 (UVC).		
22	06	15	08.4	46.669	N	9.459	E	10	G		1.2	17	SWITZERLAND. ML 2.8 (LDG).		
22	07	11	09.2*	36.597	S	145.964	E	33	N		1.3	6	VICTORIA, AUSTRALIA. ML 3.1 (BFD).		
22	07	33	07.7	39.222	N	29.416	E	10	G		0.6	22	TURKEY. ML 4.1 (THE).		
22	07	40	00.6	45.019	N	9.985	E	11			0.9	63	NORTHERN ITALY. MD 3.8 (TRI), 3.6 (ROM). ML 3.6 (LDG).		
22	07	50	03.4%	43.033	N	18.797	E	10	G		0.9	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).		
22	07	57	44.6	44.999	N	10.035	E	14			0.9	35	NORTHERN ITALY. ML 3.3 (LDG). MD 3.5 (TRI).		
22	08	32	14.7	46.668	N	9.464	E	10	G		1.2	11	SWITZERLAND. ML 2.6 (LDG), 2.7 (VIE).		
22	09	20	11.4?	4.94	N	77.66	W	33	N		0.7	9	NEAR WEST COAST OF COLOMBIA		
22	09	26	03.2?	4.95	N	77.76	W	33	N		0.5	9	NEAR WEST COAST OF COLOMBIA		
22	09	30	46.9	39.847	N	28.916	E	10	G		0.5	11	TURKEY		
22	09	53	39.0%	16.005	N	60.926	W	31			0.4	9	LEEWARD ISLANDS. ML 2.7 (FDF).		
22	09	56	14.4	6.306	S	146.058	E	124	D	4.9	0.8	26	EASTERN NEW GUINEA REG., P.N.G.		
22	10	43	00.5	46.686	N	9.553	E	10	G		0.9	8	SWITZERLAND		
22	11	17	45.5%	44.987	N	9.983	E	10	G		1.2	6	NORTHERN ITALY		
22	12	36	11.4?	10.00	S	124.02	E	104	?	4.3	1.3	6	TIMOR REGION, INDONESIA		
22	13	29	40.0?	42.72	N	24.17	E	10	G		0.5	8	BULGARIA. ML 3.0 (THE).		
22	13	45	54.2%	44.388	N	7.390	E	10	G		0.3	7	NORTHERN ITALY. ML 1.9 (GEN).		
22	16	04	10.2*	17.016	N	141.175	E	33	N	4.4	1.1	7	MARIANA ISLANDS REGION		
22	16	08	03.5%	44.320	N	8.276	E	10	G		0.4	8	NORTHERN ITALY. ML 2.1 (GEN).		
22	17	20	33.5%	60.288	N	140.786	W	9				39	SOUTHEASTERN ALASKA <AEIC>. ML 3.5 (AEIC)		
22	17	29	15.2%	65.277	N	152.512	W	10	G			17	NORTHERN ALASKA <AEIC>. ML 2.7 (AEIC), 3.1 (PMR)		
22	17	55	02.5	45.009	N	9.927	E	10	G		0.9	24	NORTHERN ITALY. ML 2.8 (LDG).		
22	18	27	12.5	40.202	N	27.787	E	9			0.7	30	TURKEY. ML 3.7 (THE). MD 3.7 (ATH).		
o 22	18	35	53.2	22.361	S	174.177	E	33	D	5	1	5.1	1	84	LOYALTY ISLANDS REGION

22	18	38	49.9*	47.141 S	13.187 W	10 G	4.9	0.5	8	SOUTHERN MID-ATLANTIC RIDGE
22	19	03	49.3*	42.852 N	18.480 E	10 G		0.5	7	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).
22	19	18	16.9*	43.104 N	18.794 E	10 G		0.2	5	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
22	19	19	44.2*	40.17 N	27.81 E	10 G		0.4	4	TURKEY
22	19	35	05.2*	40.440 N	27.787 E	10		0.4	8	TURKEY
22	19	52	23.5*	37.239 N	27.962 E	10 G		0.5	5	TURKEY
22	20	00	21.2	43.879 N	12.058 E	10 G		0.8	35	CENTRAL ITALY. ML 3.2 (LDG), 3.1 (VIE). MD 3.3 (ROM).
22	20	04	50.5*	43.856 N	12.051 E	10 G		0.7	5	CENTRAL ITALY
22	20	25	33.0*	43.201 N	18.961 E	10 G		0.3	6	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
22	20	29	14.3*	46.978 N	5.889 E	10 G		1.1	11	FRANCE. ML 2.4 (LDG).
22	20	32	10.4*	11.612 S	116.242 E	33 N	4.2	0.8	9	SOUTH OF SUMBAWA, INDONESIA
22	20	57	23.1*	48.62 N	2.01 W	10 G		0.5	4	FRANCE. ML 2.1 (LDG).
22	21	09	11.6*	40.683 N	29.010 E	10 G		0.4	6	TURKEY
22	21	11	36.6*	22.267 S	174.148 E	33 N	4.1	1.5	22	LOYALTY ISLANDS REGION
22	21	45	55.4	46.738 N	9.513 E	10 G		0.8	29	SWITZERLAND. ML 3.0 (FUR), 3.0 (VIE). 2.9 (LDG).
22	21	58	23.9	46.703 N	9.566 E	10 G		0.9	9	SWITZERLAND. ML 2.4 (VIE).
22	22	03	01.2*	59.941 N	152.624 W	96	3.0		74	SOUTHERN ALASKA. <AEIC>.
22	22	22	29.3*	43.872 N	12.054 E	10 G		0.6	5	CENTRAL ITALY
22	22	34	51.8*	60.426 N	141.336 W	12			19	SOUTHEASTERN ALASKA. <AEIC>. ML 2.8 (AEIC).
22	22	38	48.5*	43.868 N	12.052 E	10 G		0.3	6	CENTRAL ITALY
22	23	15	59.8*	31.53 S	179.40 W	476 ?	4.6	0.9	16	KERMADEC ISLANDS REGION
22	23	17	04.7	45.793 N	10.960 E	10 G		0.5	15	NORTHERN ITALY. ML 2.8 (VIE).
22	23	23	19.1	15.559 N	60.826 W	30	3.7	0.3	15	LEEWARD ISLANDS. ML 3.4 (FDF). MD 3.8 (TRN). Felt (II) on Martinique.
23	00	03	29.0	46.328 N	7.244 E	10 G		0.9	63	SWITZERLAND. ML 3.2 (LDG), 2.9 (STR), 2.6 (GEN).
23	01	02	31.8*	34.31 N	35.47 E	10 G		1.3	9	JORDAN - SYRIA REGION. ML 3.5 (BHL), 3.0 (CSS).
23	01	06	29.7	51.591 N	16.207 E	21	3.8	0.6	25	POLAND. ML 4.0 (VIE), 3.9 (GRF).
23	01	18	12.2*	16.63 S	174.14 E	33 N	4.8 4.4	1.3	10	FIJI ISLANDS REGION
23	01	26	38.9*	46.661 N	9.600 E	10 G		0.4	5	SWITZERLAND
23	02	12	20.4*	18.77 S	169.31 E	254 *	4.6	1.5	19	VANUATU ISLANDS
23	03	07	19.1	41.858 N	19.161 E	11		0.8	28	ALBANIA. ML 3.2 (THE), 3.1 (TTG).
23	04	35	39.3*	0.91 N	126.41 E	33 N	4.7	1.1	11	NORTHERN MOLUCCA SEA
23	06	39	07.2*	8.66 S	106.50 E	33 N	4.2	0.6	6	SOUTH OF JAVA, INDONESIA
23	06	58	57.3*	6.926 S	75.843 W	109 ?	4.3	1.2	9	NORTHERN PERU
23	08	49	42.5	46.649 N	9.596 E	10 G		0.7	7	SWITZERLAND
23	10	11	46.8	4.786 N	77.619 W	33 N	3.7	0.6	13	NEAR WEST COAST OF COLOMBIA. MD 3.9 (UVC).
23	10	45	14.9	40.455 N	15.751 E	10 G		1.0	20	SOUTHERN ITALY. ML 3.0 (TTG).
23	11	04	09.2*	41.806 N	19.236 E	10 G		1.2	11	ALBANIA. ML 2.2 (TTG).
23	11	16	39.7	4.756 N	77.627 W	33 N	4.0	0.8	15	NEAR WEST COAST OF COLOMBIA. MD 4.2 (UVC).
23	11	26	48.3*	38.825 N	122.800 W	1			18	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
23	11	34	18.3*	4.30 S	136.71 E	33 N	4.7	1.2	6	IRIAN JAYA REGION, INDONESIA
23	11	35	02.9	41.939 N	19.220 E	10 G		0.7	12	ALBANIA. ML 2.4 (TTG).
23	12	20	50.0*	4.823 N	77.579 W	33 N	3.5	0.5	10	NEAR WEST COAST OF COLOMBIA. MD 4.0 (UVC).
23	12	38	07.3*	37.659 N	15.168 E	10 G		1.1	5	SICILY
23	12	43	17.6	43.356 N	19.326 E	10 G		0.6	12	NORTHWESTERN BALKAN REGION. ML 3.0 (TTG).
23	12	44	37.6*	7.43 S	129.73 E	135 ?	4.8	1.3	8	BANDA SEA
23	12	53	19.2*	40.948 N	124.145 W	35	3.9		77	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.7 (BRK). Felt (IV) at Eureka and Ferndale; (III) at Fortuna, Miranda and Willow Creek; (II) at Samoa. Also felt strongly at Arcata, McKinleyville and Trinidad.
23	13	08	42.5*	46.666 N	9.610 E	10 G		0.3	6	SWITZERLAND
23	13	18	09.3*	46.707 N	9.559 E	10 G		0.5	5	SWITZERLAND
23	13	25	16.7	38.004 N	20.057 E	5 G		1.2	29	GREECE. ML 3.9 (ATH), 3.6 (THE).
23	13	45	06.7*	39.95 N	30.27 E	10 G		1.1	5	TURKEY
23	15	41	19.8*	43.053 N	18.811 E	10 G		0.2	6	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
23	15	48	08.5*	46.70 N	9.39 E	10 G		0.5	4	SWITZERLAND. ML 2.4 (VIE).
23	16	38	28.2*	51.57 N	16.36 E	10 G		0.4	7	POLAND
23	16	51	06.0*	36.710 N	71.243 E	33 N	3.7	0.7	5	AFGHANISTAN-TAJIKISTAN BORD REG.
23	17	36	27.6*	4.838 N	77.589 W	33 N	3.5	0.7	10	NEAR WEST COAST OF COLOMBIA. MD 3.5 (UVC).
23	17	54	34.4*	43.014 N	18.750 E	10 G		0.6	7	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
23	17	58	00.0*	43.111 N	18.810 E	10 G		0.2	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
23	18	23	14.3	4.848 N	77.581 W	32	4.1	0.7	13	NEAR WEST COAST OF COLOMBIA. MD 4.1 (UVC).
23	18	37	30.6*	40.166 N	27.304 E	10 G		0.7	6	TURKEY
23	18	43	42.0*	46.585 N	0.758 E	5 G		0.6	12	FRANCE. ML 2.4 (LDG).
23	19	06	24.1*	46.646 N	9.604 E	10 G		0.7	5	SWITZERLAND
23	19	31	21.2*	44.787 N	7.646 E	10 G		0.3	5	NORTHERN ITALY. ML 1.5 (GEN).
23	19	59	24.5*	19.388 S	174.154 W	110 G	4.9	1.3	21	TONGA ISLANDS
23	20	00	41.7	26.759 S	114.939 W	10 G	5.2 5.4	0.9	87	EASTER ISLAND REGION. Ma=1.0*10**18 Nm (PPT).
23	21	03	19.0*	39.63 N	28.90 E	10 G		0.9	4	TURKEY
23	21	03	27.4*	63.120 N	150.919 W	136			41	CENTRAL ALASKA. <AEIC>.
23	21	26	33.8*	4.56 S	104.99 E	115 ?	4.1	0.6	8	SOUTHERN SUMATRA, INDONESIA
23	21	53	02.4*	39.832 N	28.736 E	10 G		0.3	9	TURKEY
23	21	53	16.5*	42.973 N	18.746 E	10 G		0.3	7	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
23	22	52	04.1	0.346 S	98.091 E	24 D	5.2 4.6	1.1	97	SOUTHERN SUMATRA, INDONESIA
23	23	36	36.6	45.366 N	21.016 E	10 G		0.7	10	ROMANIA. MG 3.0 (BEO).
23	23	39	17.8*	46.721 N	9.556 E	10 G		1.0	6	SWITZERLAND
24	00	34	31.7*	42.978 N	18.724 E	10 G		0.4	9	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
24	00	39	37.2	40.268 N	21.758 E	5 G		0.6	12	GREECE. ML 2.1 (THE).
24	01	08	49.5*	6.205 S	154.299 E	108 ?	3.9	1.1	6	SOLOMON ISLANDS
24	01	18	46.7*	40.642 N	23.693 E	5 G		0.6	8	GREECE. ML 2.2 (THE).
24	01	41	25.2*	11.422 N	124.361 E	91 ?	4.6	1.5	14	LEYTE, PHILIPPINE ISLANDS
24	02	23	40.4	38.800 N	26.028 E	10 G		0.4	16	AEGEAN SEA
24	02	38	24.1	4.668 N	77.510 W	60	4.6	1.1	55	NEAR WEST COAST OF COLOMBIA
24	02	53	14.2	46.677 N	9.561 E	10 G		0.6	7	SWITZERLAND
24	03	01	23.7*	40.810 N	22.948 E	5 G		0.7	6	GREECE. ML 1.5 (THE).
24	03	30	54.1	46.652 N	9.527 E	10 G		1.2	8	SWITZERLAND
24	03	37	11.5*	4.858 N	77.608 W	33 N	3.6	0.6	8	NEAR WEST COAST OF COLOMBIA. MD 3.7 (UVC).
24	03	38	35.1*	4.81 N	77.50 W	33 N		0.7	7	NEAR WEST COAST OF COLOMBIA. MD 3.7 (UVC).
24	03	45	12.4*	40.653 N	23.706 E	10 G		0.5	7	GREECE. ML 2.1 (THE).
24	03	47	09.1	16.434 N	97.853 W	30 D	5.3 5.0	1.0	122	OAXACA, MEXICO. Ms 5.2 (BRK).
24	04	21	52.0*	4.862 N	77.599 W	33 N	3.6	0.6	9	NEAR WEST COAST OF COLOMBIA. MD 3.7 (UVC).
24	04	22	45.7*	38.808 N	28.149 E	10 G		0.4	5	TURKEY
24	04	29	34.0*	44.343 N	7.285 E	10 G		0.4	5	NORTHERN ITALY. ML 1.6 (GEN).

24	04	33	18.0?	17.09	N	76.49	W	10	G	0.4	5	JAMAICA REGION. MD 3.1 (HOJ).
24	04	39	29.5*	4.784	N	77.630	W	33	N	3.7	10	NEAR WEST COAST OF COLOMBIA. MD 3.9 (UVC).
24	05	09	01.4*	46.429	N	14.705	E	10	G	0.6	6	NORTHWESTERN BALKAN REGION. MD 2.1 (LJU)
24	05	34	16.6%	46.164	N	2.624	E	10	G	0.5	9	FRANCE. ML 1.9 (LDG).
24	07	06	37.5%	35.831	N	51.730	E	10	G	0.3	6	NORTHERN IRAN
24	07	35	26.6	33.980	N	88.646	E	33	N	4.7	12	XIJANG
24	08	00	14.9%	43.118	N	18.776	E	10	G	0.5	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
24	08	01	17.5*	34.506	S	149.274	E	10	G	1.4	6	NEW SOUTH WALES, AUSTRALIA. ML 2.9 (CMS), 2.9 (BFD).
24	08	19	02.3%	39.109	N	27.597	E	10	G	0.5	6	TURKEY
24	08	53	35.0?	18.69	S	169.29	E	238	?	4.1	1.3	8 VANUATU ISLANDS
24	09	36	00.8%	39.090	N	27.719	E	10	G	0.2	6	TURKEY
24	10	12	27.6%	39.164	N	27.630	E	10	G	0.3	6	TURKEY
24	10	29	34.8?	7.48	S	154.63	E	33	N	4.3	1.5	5 SOLOMON ISLANDS
24	10	36	46.4	43.028	N	18.744	E	10	G	0.4	9	NORTHWESTERN BALKAN REGION. ML 2.9 (TTG).
24	11	23	50.4?	40.67	N	30.30	E	10	G	0.8	4	TURKEY
a 24	11	30	15.1	28.515	S	176.118	W	33	N	5.1 4.9	1.0	96 KERMADEC ISLANDS REGION
24	11	56	22.3*	42.954	N	0.171	E	5	G	1.3	5	PYRENEES. ML 2.6 (LDG), 2.6 (STR).
24	12	06	59.9*	36.096	N	139.322	E	27		4.0	1.5	15 EASTERN HONSHU, JAPAN
24	13	58	58.5	46.707	N	9.557	E	10	G	0.5	6	SWITZERLAND. ML 2.1 (VIE).
24	14	14	02.4*	15.791	N	121.085	E	23	*	4.6 4.0	1.1	26 LUZON, PHILIPPINE ISLANDS
24	14	32	49.9	46.679	N	9.488	E	10	G	1.3	8	SWITZERLAND
24	14	43	18.4%	63.529	N	150.631	W	16			42	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.0 (PMR).
24	15	00	14.2%	40.281	N	29.179	E	10	G	0.9	6	TURKEY
24	15	38	33.4*	6.609	N	72.772	W	184	*	4.5	0.7	9 NORTHERN COLOMBIA
24	15	53	47.5*	31.199	S	68.028	W	10	G	0.5	5	SAN JUAN PROVINCE, ARGENTINA
24	15	59	01.8?	34.63	S	71.65	W	10	G	0.6	6	NEAR COAST OF CENTRAL CHILE
24	16	05	07.1%	47.925	N	0.091	W	10	G	1.4	9	FRANCE. ML 2.4 (LDG).
24	16	31	54.8	38.391	N	26.485	E	15			0.7	34 AEGEAN SEA. ML 3.8 (ATH).
24	16	43	54.6	46.720	N	9.524	E	10	G	1.1	24	SWITZERLAND. ML 2.9 (VIE), 2.9 (LDG).
24	16	49	57.6*	38.376	N	26.417	E	10	G	0.4	8	AEGEAN SEA
24	17	04	34.7%	32.035	S	117.204	E	33	N	1.0	5	WESTERN AUSTRALIA
24	17	05	15.2?	43.34	N	128.35	W	10	G	0.4	38	OFF COAST OF OREGON
24	17	44	14.2?	35.03	S	179.68	W	33	N	4.3	1.2	6 EAST OF NORTH ISLAND, N.Z.
24	17	51	29.7	43.869	N	7.695	E	10	G	0.2	8	NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN), 1.9 (LDG).
24	18	29	08.9%	59.515	N	152.670	W	79			38	SOUTHERN ALASKA. <AEIC>.
24	18	51	32.2*	2.339	N	79.796	W	33	N	4.2 4.1	1.3	7 SOUTH OF PANAMA
24	19	12	05.9	2.542	N	78.971	W	41	*	4.9 4.2	1.2	67 NEAR WEST COAST OF COLOMBIA
24	19	31	35.0	41.010	N	22.394	E	5	G	0.7	8	NORTHWESTERN BALKAN REGION. ML 1.5 (SKO).
24	20	27	56.3	6.316	N	123.823	E	537		4.8	1.0	66 MINDANAO, PHILIPPINE ISLANDS
24	21	11	22.4%	47.604	N	120.241	W	7			60	WASHINGTON. <SEA-P>. MD 3.2 (SEA).
24	21	14	19.0*	42.535	N	1.234	E	10	G	0.1	5	PYRENEES. ML 1.2 (STR).
24	21	26	13.5*	40.088	N	139.359	E	215	?	4.2	0.3	10 NEAR WEST COAST OF HONSHU, JAPAN
24	21	27	38.5%	44.503	N	7.468	E	10	G	0.4	7	NORTHERN ITALY. ML 1.7 (GEN).
24	21	33	10.6	51.252	N	179.505	W	65	*	4.8	1.0	102 ANDREANOF ISLANDS, ALEUTIAN IS.
24	21	41	53.1*	37.358	N	30.753	E	10	G	0.9	8	TURKEY. ML 3.8 (CSS).
24	21	57	09.7*	17.448	N	62.050	W	33	N	0.3	9	LEEWARD ISLANDS. ML 3.4 (FDF). MD 2.7 (TRN).
24	22	19	13.5%	59.846	N	152.089	W	74			48	SOUTHERN ALASKA. <AEIC>.
24	22	37	18.6*	1.467	N	128.265	E	33	N	4.8	0.7	13 HALMAHERA, INDONESIA
24	23	14	18.9?	43.13	N	1.27	W	10	G	0.4	10	PYRENEES. ML 2.4 (LDG).
24	23	18	31.2*	3.915	S	100.522	E	33	N	4.9	0.7	7 SOUTHERN SUMATERA, INDONESIA
24	23	29	47.1	32.138	S	71.048	W	33	N	0.4	14	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
25	00	45	34.2%	59.581	N	153.035	W	104		3.1	66	SOUTHERN ALASKA. <AEIC>.
25	00	58	37.5?	11.02	S	166.50	E	100	G	4.6	1.2	7 SANTA CRUZ ISLANDS
25	01	26	50.5%	37.630	N	118.940	W	6			16	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.9 (BRK).
25	01	27	19.9%	61.603	N	147.720	W	21		2.8	72	SOUTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.5 (PMR).
25	01	33	05.3%	30.727	S	117.239	E	10	G	1.4	5	WESTERN AUSTRALIA
25	01	39	50.6%	37.682	N	118.945	W	4			28	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.6 (BRK), 3.7 (PAS). Felt (IV) at June Lake, California. Also felt in the Mammoth Lakes, California area.
25	01	42	52.0%	30.705	S	117.269	E	10	G	1.4	7	WESTERN AUSTRALIA
25	02	02	19.7*	39.209	N	119.695	W	5	G	1.1	6	NEVADA. ML 2.9 (GS). MD 2.9 (REN). Felt at Carson City and Virginia City.
25	02	32	59.4?	39.64	N	27.85	E	10	G	0.6	4	TURKEY
25	02	41	07.6?	53.76	N	164.06	W	33	N	4.1	0.6	6 UNIMAK ISLAND REGION
25	03	50	18.9*	5.952	S	146.938	E	104	*	4.3	0.5	7 EASTERN NEW GUINEA REG., P.N.G.
25	03	59	31.6%	43.049	N	18.832	E	10	G	0.3	9	NORTHWESTERN BALKAN REGION. ML 2.3 (TTG).
25	04	30	26.5*	5.020	S	150.894	E	173		4.5	0.4	10 NEW BRITAIN REGION, P.N.G.
25	04	58	22.3	45.646	N	26.550	E	103	*		0.8	11 ROMANIA
25	05	20	30.7?	31.26	S	68.62	W	110	?		1.1	12 SAN JUAN PROVINCE, ARGENTINA. MD 3.6 (SAN).
25	05	46	00.6*	52.340	N	170.687	W	73	*	4.5	1.0	22 FOX ISLANDS, ALEUTIAN ISLANDS
25	06	04	52.5?	35.44	N	141.29	E	33	N	4.5	0.3	4 NEAR EAST COAST OF HONSHU, JAPAN
25	07	23	09.9%	59.422	N	153.102	W	90			57	SOUTHERN ALASKA. <AEIC>.
25	07	32	43.1?	35.47	N	141.35	E	33	N	4.5	0.3	4 NEAR EAST COAST OF HONSHU, JAPAN
25	07	36	17.3%	43.156	N	18.833	E	10	G	0.4	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
25	09	15	57.2%	39.115	N	27.549	E	10	G	0.3	6	TURKEY
25	10	08	39.0	34.017	N	88.832	E	33	N	4.4	1.0	13 XIJANG
25	10	10	59.2?	7.65	S	129.49	E	150	?	4.6	1.3	7 BANDA SEA
25	10	29	10.9	23.116	N	121.527	E	63		4.2	1.2	24 TAIWAN
25	10	37	54.2%	40.760	N	28.002	E	10	G	0.5	6	TURKEY
25	10	39	00.5	37.147	N	55.637	E	33	N	4.7	1.0	46 TURKMENISTAN-IRAN BORDER REGION
25	11	04	12.0?	40.74	N	21.51	E	10	G	1.2	9	GREECE. ML 2.4 (THE).
25	12	34	09.4%	39.597	N	122.027	W	23			5	NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
25	13	43	53.1*	10.426	S	110.182	E	33	N	4.3	0.9	7 SOUTH OF JAWA, INDONESIA
25	14	14	49.6%	43.097	N	18.842	E	10	G	0.2	6	NORTHWESTERN BALKAN REGION. ML 1 (TTG).
a 25	14	15	44.6	8.778	S	74.437	W	146	D	5.3	0.8	156 PERU-BRAZIL BORDER REG. UN. Felt at Pucallpa, Peru.
25	14	24	58.0*	40.463	N	52.933	E	33	N	4.3	1.0	9 TURKMENISTAN. Felt (III) at Krasnovodsk.
25	14	45	00.4*	26.467	N	70.808	E	33	N	4.2	1.2	10 INDIA PAKISTAN BORDER REG.
25	16	15	09.3%	43.055	N	18.798	E	10	G	0.3	7	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
25	16	41	06.6%	43.108	N	18.814	E	10	G	0.1	7	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
25	17	28	04.3%	60.128	N	152.840	W	114		3.7	87	SOUTHERN ALASKA. <AEIC>.
25	17	42	33.4*	36.911	N	35.782	E	21	*	3.0	1.2	11 TURKEY. ML 4.1 (CSS).
25	18	02	19.3*	7.034	S	129.385	E	144	?	4.7	1.1	18 BANDA SEA
25	19	57	37.2	43.441	N	5.455	E	10	G	0.4	8	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR)

25	20	52	37.3%	44.792 N	6.723 E	14 *	0.2	7	FRANCE ML 1.9 (GEN).	
25	21	28	38.8%	37.660 N	122.520 W	12		12	CENTRAL CALIFORNIA <BRK>. ML 2.9 (BRK). Mo=2.4*10**13 Nm (BRK). Felt strongly at the San Francisco Airport. Widely felt in the San Francisco-Daly City-San Bruno area.	
25	21	45	33.9%	39.136 N	23.630 E	10 G	0.4	8	AEGEAN SEA. ML 2.3 (THE).	
25	21	59	46.1%	35.14 S	70.13 W	155 *	0.6	14	CHILE-ARGENTINA BORDER REGION MD 4.2 (SAN).	
25	23	03	41.1%	42.962 N	18.292 E	10 G	0.3	7	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).	
25	23	24	26.8%	42.92 N	18.01 E	10 G	0.3	7	NORTHWESTERN BALKAN REGION. ML 1.8 (TTG).	
26	00	07	14.5	39.862 N	22.507 E	10 G	0.4	10	GREECE. ML 2.7 (THE).	
26	00	10	15.6%	39.875 N	22.460 E	10 G	0.3	6	GREECE. ML 1.9 (THE).	
26	00	13	29.1	39.851 N	22.574 E	10 G	0.9	10	GREECE. ML 2.2 (THE).	
26	00	40	55.4	27.567 N	140.029 E	482 *	4.6	0.7	38	BONIN ISLANDS REGION
26	00	42	45.6%	43.016 N	18.768 E	10 G	0.3	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).	
26	00	53	43.6%	39.465 N	23.671 E	10 G	0.5	7	AEGEAN SEA	
26	01	55	38.7%	37.780 N	15.027 E	10 G	0.6	5	SICILY	
26	02	12	54.6%	43.010 N	18.843 E	10 G	0.3	7	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).	
26	02	24	10.9%	6.184 S	145.809 E	33 N	4.5	1.4	12	NEW GUINEA, PAPUA NEW GUINEA. ML 4.6 (PMG).
26	02	54	20.0%	34.56 S	71.72 W	33 N	0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).	
26	02	56	42.4%	40.729 N	23.064 E	5 G	0.6	7	GREECE. ML 1.9 (THE).	
26	03	22	17.6%	5.48 S	147.09 E	163 *	4.5	0.7	6	EASTERN NEW GUINEA REG., P.N.G.
26	03	29	11.1	43.021 N	18.744 E	10 G	0.6	10	NORTHWESTERN BALKAN REGION. ML 2.5 (TTG).	
26	03	37	26.8%	43.033 N	18.745 E	10 G	0.7	6	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).	
26	04	07	18.0%	44.08 N	11.69 E	10 G	0.8	4	NORTHERN ITALY	
26	04	07	33.5%	44.121 N	11.731 E	10 G	0.5	7	NORTHERN ITALY	
26	04	19	40.5%	43.012 N	18.761 E	10 G	0.6	5	NORTHWESTERN BALKAN REGION. ML 2.5 (TTG).	
26	04	33	51.2	18.938 N	145.491 E	142 D	4.7	0.9	48	MARIANA ISLANDS
26	06	00	00.9%	62.281 N	150.153 W	17	3.3	72	CENTRAL ALASKA. <AEIC>. ML 4.0 (AEIC), 4.0 (PMR). Felt (III) at Skwentna and Talkeetna.	
26	06	07	10.3%	40.50 N	23.77 E	10 G	0.8	4	GREECE. ML 2.0 (THE).	
26	06	27	51.6	17.828 N	96.373 W	77	4.9	1.0	109	OAXACA, MEXICO. Felt at Acapulco.
26	06	59	21.1%	22.345 S	12.693 W	10 G	4.9	1.2	17	SOUTHERN MID-ATLANTIC RIDGE
26	07	03	16.1%	37.566 N	5.000 W	10 G	1.0	8	SPAIN. mbLg 2.9 (MDD).	
26	07	08	02.8%	52.28 N	167.04 W	33 N	4.1	1.4	16	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
26	07	18	51.6%	40.633 N	23.044 E	5 G	0.4	5	GREECE. ML 1.7 (THE).	
26	07	47	23.3%	14.62 N	60.89 W	10 G	0.1	4	WINDWARD ISLANDS. ML 2.6 (FDF).	
26	08	23	53.4%	44.99 N	9.90 E	10 G	0.4	4	NORTHERN ITALY	
26	08	45	32.0%	39.134 N	27.619 E	10 G	0.8	6	TURKEY	
f 26	10	41	32.0%	51.400 N	176.000 W	24 G	5.8 5.6	509	ANDREANOF ISLANDS, ALEUTIAN IS. <SPEC>. Ms 5.6 (BRK). Mo=1.3*10**18 Nm (PPT). Felt (V) on Adak. Depth from broadband displacement seismograms.	
26	10	41	46.4%	28.89 N	33.25 E	10 G	0.2	6	EGYPT. MD 4.0 (HLW).	
26	11	19	17.8%	46.748 N	9.529 E	10 G	0.1	5	SWITZERLAND	
26	11	49	21.9%	44.597 N	8.865 E	10 G	0.5	9	NORTHERN ITALY. ML 1.4 (GEN).	
26	12	12	41.8%	16.85 N	61.54 W	10 G	0.6	4	LEEWARD ISLANDS. ML 2.6 (FDF).	
26	12	21	30.0%	14.59 N	60.67 W	33 N	0.2	4	WINDWARD ISLANDS. ML 2.0 (FDF).	
26	12	28	21.9%	40.29 N	23.44 E	10 G	0.4	4	GREECE. ML 1.9 (THE).	
26	12	39	23.9%	37.868 N	122.243 W	9		9	CENTRAL CALIFORNIA <BRK>. ML 2.5 (BRK). Felt in the Oakland-Berkeley Hills area.	
26	12	54	50.8	45.249 N	150.076 E	43 *	4.9 4.6	0.9	58	KURIL ISLANDS
26	13	31	28.6	26.630 N	110.912 W	10 G	4.6	1.1	43	GULF OF CALIFORNIA
26	13	47	37.1	8.851 S	113.771 E	107 *	5.1	1.1	41	JAWA, INDONESIA
26	14	43	00.6%	44.372 N	7.385 E	10 G	0.8	8	NORTHERN ITALY. ML 1.7 (GEN).	
26	15	21	24.5%	43.073 N	18.744 E	10 G	0.2	7	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).	
26	15	24	35.7%	45.143 N	7.021 E	10 G	0.3	5	NORTHERN ITALY. ML 1.9 (GEN).	
26	15	29	03.9	39.842 N	143.653 E	22	4.9 4.3	0.9	45	OFF EAST COAST OF HONSHU, JAPAN
26	15	29	20.2%	43.84 N	7.07 E	10 G	0.3	6	NEAR SOUTH COAST OF FRANCE	
26	15	31	14.7%	33.919 N	88.746 E	33 N	4.1	1.1	12	XIJANG
26	16	13	21.3%	46.66 N	15.21 E	10 G	1.5	4	NORTHWESTERN BALKAN REGION. ML 2.5 (LJU).	
26	16	18	04.9%	40.468 N	124.952 W	15		9	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK).	
26	16	27	02.2%	7.027 S	132.865 E	33 N	4.1	0.6	8	TANIMBAR ISLANDS REG., INDONESIA
26	16	47	00.9	39.695 S	22.264 E	10 G	0.5	8	GREECE. ML 2.1 (THE).	
26	17	31	06.1%	28.565 S	72.045 W	33 N	1.2	15	OFF COAST OF CENTRAL CHILE	
26	17	32	54.1%	11.84 S	166.08 E	33 N	4.7	1.2	9	SANTA CRUZ ISLANDS
26	17	36	45.8%	38.952 N	27.272 E	10 G	0.6	6	TURKEY	
26	17	44	47.0%	33.480 N	116.460 W	11		9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).	
26	17	51	15.3%	61.638 N	150.182 W	41		33	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).	
26	18	15	01.8%	27.656 S	71.940 W	34 *	4.9	1.4	16	NEAR COAST OF NORTHERN CHILE. Felt (III) at Copiapo.
26	18	18	33.2%	43.048 N	18.745 E	10 G	0.5	9	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).	
26	18	35	00.0%	37.096 N	116.070 W	0	4.6	65	SOUTHERN NEVADA. <DOE>. ML 4.6 (BRK). 37° 05' 47.35"N., 116° 04' 10.60" W., Surface Elev. 1273 m., Depth of Burial 457 m., Shot Time 183500.073, "BRISTOL," Nevada Test Site (Dept. of Energy).	
26	18	57	38.4%	50.13 N	1.71 W	10 G	0.6	9	UNITED KINGDOM. ML 3.0 (LDG).	
26	19	15	11.7	45.470 N	21.094 E	47 ?	1.1	15	ROMANIA	
f 26	19	40	48.5	42.051 N	142.523 E	56 G	6.1	1.0	525	HOKKAIDO, JAPAN REGION. Ms 5.7 (BRK). Mo=7.1*10**18 Nm (PPT). Felt (IV JMA) at Hirao, Obihiro and Urukawa and (III JMA) at Kushiro, Otoru and Tamakamai. Also felt (III JMA) at Aomori and Hachinohe, Honshu. Felt in many parts of southern Hokkaido and northern Honshu. Two events about 1.6 seconds apart. Depth from broadband displacement seismograms, based on second event.
26	20	09	50.5%	47.65 N	7.86 E	10 G	0.3	4	SWITZERLAND. ML 2.0 (LDG).	
26	20	21	41.5	46.673 N	9.554 E	10 G	1.2	7	SWITZERLAND	
26	20	25	54.7%	43.017 N	18.762 E	10 G	0.4	7	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).	
26	20	39	15.9%	27.439 S	72.354 W	67 ?	1.0	13	OFF COAST OF NORTHERN CHILE. Felt (IV) at Copiapo.	
26	21	15	59.9	34.073 N	94.247 E	33 N	4.3	1.3	27	QINGHAI, CHINA
26	21	45	25.2	39.182 N	28.936 E	10 G	0.3	13	TURKEY	
26	21	54	33.4%	36.97 N	29.44 E	10 G	0.6	4	TURKEY	
26	22	12	54.0	46.679 N	9.556 E	10 G	1.2	7	SWITZERLAND	
26	22	39	35.0%	27.314 S	72.174 W	33 N	1.3	13	OFF COAST OF NORTHERN CHILE	
26	22	53	52.6%	59.935 N	152.539 W	94		42	SOUTHERN ALASKA <AEIC>.	
26	22	58	56.1%	37.712 N	14.943 E	10 G	1.0	5	SICILY	

26	23 21 13.1&	59.296 N	139.089 W	5			17	SOUTHEASTERN ALASKA <AEIC>. ML 3.1 (AEIC).
26	23 29 39.07	36.42 N	29.50 E	5 G		0.6	5	TURKEY
26	23 42 03.1	40.298 N	25.044 E	10 G		0.7	10	AEGEAN SEA. ML 2.9 (THE).
27	00 53 10.6	51.554 N	6.770 E	5 G		1.1	45	GERMANY. MD 3.3 (UCC). ML 3.3 (LDG), 2.9 (BNS). Rockburst.
27	01 01 24.0&	43.081 N	18.801 E	10 G		0.3	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
27	01 11 33.3	47.269 N	147.318 E	337 *	4.2	1.0	31	NORTHWEST OF KURIL ISLANDS
27	01 33 15.0&	36.245 N	120.312 W	7			12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
27	01 45 08.7&	60.435 N	152.081 W	81	3.3		86	SOUTHERN ALASKA. <AEIC>.
27	02 12 39.2	40.206 N	25.081 E	10 G		0.6	18	AEGEAN SEA. ML 3.2 (THE).
27	02 42 14.0?	31.01 S	68.11 W	33 N		1.3	5	SAN JUAN PROVINCE, ARGENTINA
27	02 56 20.4?	18.55 N	65.89 W	10 G		1.3	7	PUERTO RICO REGION
27	04 52 06.1	45.935 N	11.122 E	5 G		0.8	11	NORTHERN ITALY. ML 2.4 (VIE).
o 27	05 03 31.3	48.237 N	154.807 E	28 G	5.9 5.5	0.8	432	KURIL ISLANDS. Depth from broadband displacement seismograms.
27	06 58 42.7	17.857 S	116.057 W	10 G	5.0	0.9	67	SOUTHERN EAST PACIFIC RISE
27	07 23 10.6&	43.125 N	18.817 E	10 G		0.2	7	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
27	07 41 09.5&	43.134 N	18.787 E	10 G		0.2	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
27	08 03 34.1?	37.08 N	2.63 W	10 G		0.2	4	SPAIN. mbLg 2.5 (MDD).
27	08 25 23.1?	19.11 N	145.83 E	160 G	4.4	1.1	12	MARIANA ISLANDS
27	08 42 16.7&	40.411 N	23.276 E	5 G		0.5	7	GREECE. ML 2.6 (THE).
27	10 08 16.2*	39.327 N	21.784 E	10 G		0.9	8	GREECE
27	10 20 14.5?	7.96 S	118.71 E	180 ?	4.8	1.9	5	FLORES SEA
27	11 35 24.1&	43.011 N	18.730 E	10 G		0.4	6	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
27	11 45 18.8	4.673 N	77.564 W	39 D	5.1 4.3	1.0	132	NEAR WEST COAST OF COLOMBIA. MD 5.2 (UVC). Some homes damaged in Choco Department.
27	11 46 02.4&	44.455 N	8.590 E	5 G		0.1	6	NORTHERN ITALY. ML 1.7 (GEN).
27	11 54 14.1?	27.11 S	177.56 W	187 ?	5.0	1.2	33	KERMADEC ISLANDS REGION
27	12 00 33.3	19.221 N	95.783 W	33 N	3.6	1.4	16	VERACRUZ, MEXICO
27	12 18 25.9	44.534 N	6.938 E	10 G		0.4	26	FRANCE. ML 2.5 (LDG), 2.2 (GEN).
27	13 32 21.8	36.462 N	69.822 E	188 *	4.5	0.9	29	HINDU KUSH REGION, AFGHANISTAN
27	13 55 53.6*	33.718 S	71.639 W	10 G		0.4	8	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
27	14 07 56.0&	60.328 N	151.050 W	42	2.7		76	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC), 3.4 (PMR).
27	14 49 50.0*	4.831 N	77.552 W	33 N	3.8	0.7	12	NEAR WEST COAST OF COLOMBIA. MD 4.0 (UVC).
27	15 04 33.6&	43.053 N	18.793 E	10 G		0.3	7	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
27	16 06 25.8*	5.990 S	152.032 E	10 G	4.5	0.5	5	NEW BRITAIN REGION, P.N.G.
27	16 20 30.6&	44.826 N	7.422 E	10 G		0.7	6	NORTHERN ITALY. ML 2.0 (GEN).
27	16 22 13.8&	43.145 N	10.780 E	10 G		0.3	6	CENTRAL ITALY
27	17 03 40.3*	36.382 N	26.759 E	146 ?		0.7	9	DODECANESE ISLANDS. MD 3.6 (ATH).
27	17 42 47.4*	6.339 N	72.324 W	33 N		0.8	5	NORTHERN COLOMBIA
27	18 44 23.2	39.963 N	20.571 E	10 G	3.6	0.9	19	GREECE-ALBANIA BORDER REGION. ML 3.1 (THE). MD 3.3 (ATH).
27	18 51 15.4?	13.56 N	60.13 W	10 G		0.6	9	WINDWARD ISLANDS. ML 3.4 (FDF).
27	19 01 26.5?	37.85 N	26.81 E	10 G		1.1	5	DODECANESE ISLANDS
27	19 43 11.6*	4.409 N	77.203 W	33 N		0.9	8	NEAR WEST COAST OF COLOMBIA. MD 3.8 (UVC).
27	20 45 39.3?	6.04 S	152.53 E	42 ?	4.2	0.2	6	NEW BRITAIN REGION, P.N.G.
27	22 25 14.9	46.435 N	152.707 E	53 D	5.0	0.9	125	KURIL ISLANDS
27	23 25 43.0*	8.252 S	129.005 E	33 N	4.4	1.3	13	TIMOR SEA
27	23 50 45.9&	61.583 N	150.414 W	43			48	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
27	23 59 19.9&	43.023 N	18.757 E	10 G		0.5	6	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
28	00 46 32.5?	34.49 S	70.75 W	80 G		0.2	6	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
28	00 57 06.5&	61.414 N	140.977 W	0			22	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 2.6 (AEIC).
28	01 08 58.9&	45.990 N	118.317 W	10	4.3		80	OREGON. <SEA>. MD 4.3 (SEA). ML 4.0 (GS). Felt (IV) at Milton-Freewater, Oregon and College Place, Waitsburg and Walla Walla, Washington. Felt (III) at Colfax, Dayton, Dixie and Tauchet, Washington. Also felt (III) at Weston, Oregon.
28	02 03 57.9	3.034 N	128.331 E	45 D	5.0	1.0	42	NORTH OF HALMAHERA, INDONESIA
28	02 10 34.2*	40.965 N	25.678 E	5 G		0.6	7	AEGEAN SEA. ML 2.5 (THE).
28	02 51 56.1*	51.579 N	7.630 E	10 G		1.1	5	GERMANY
28	02 52 50.8&	43.046 N	18.773 E	10 G		0.2	7	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
28	03 02 50.6?	15.82 N	97.92 W	33 N		1.1	6	NEAR COAST OF OAXACA, MEXICO
28	03 47 57.8?	32.55 S	71.82 W	11		0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
28	03 55 15.8	43.137 N	18.899 E	10 G		1.1	19	NORTHWESTERN BALKAN REGION. ML 3.0 (TTG).
28	07 19 46.3&	39.347 N	23.730 E	10 G		0.2	6	AEGEAN SEA. ML 2.3 (THE).
28	08 49 29.9?	11.55 N	61.23 W	10 G		0.7	4	WINDWARD ISLANDS. MD 3.1 (TRN).
28	08 58 04.7*	43.914 N	127.349 W	10 G	2.8	0.8	56	OFF COAST OF OREGON
28	09 10 22.2&	60.091 N	152.472 W	93	2.5		89	SOUTHERN ALASKA. <AEIC>.
28	09 15 37.2?	46.74 N	9.56 E	10 G		0.4	4	SWITZERLAND
28	10 41 58.9*	4.359 N	127.113 E	33 N	4.1	1.1	7	TALAUD ISLANDS, INDONESIA
28	10 42 56.0?	3.98 N	126.30 E	33 N	4.6	0.7	8	TALAUD ISLANDS, INDONESIA
28	11 04 00.8?	3.83 S	147.75 E	33 N	3.8	0.9	5	BISMARCK SEA
28	11 17 21.5	55.384 N	110.731 E	30 D	4.7 4.2	1.0	54	LAKE BAYKAL REGION, RUSSIA
28	11 42 47.4*	34.678 N	23.737 E	51 ?	3.5	1.5	20	CRETE. MD 3.3 (ATH).
28	12 49 42.8&	61.709 N	150.024 W	38			43	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
28	12 58 15.3?	2.34 S	152.68 E	33 N	4.5	0.6	5	NEW IRELAND REGION, P.N.G.
28	13 10 54.1*	4.762 N	77.580 W	42 *	4.7	1.5	38	NEAR WEST COAST OF COLOMBIA. MD 4.9 (UVC). Felt strongly in Valle del Cauca and Choco Departments.
28	13 22 56.4*	4.771 N	77.528 W	33 N		0.8	9	NEAR WEST COAST OF COLOMBIA. MD 3.8 (UVC).
28	13 26 54.3*	4.810 N	77.557 W	33 N	3.5	0.6	10	NEAR WEST COAST OF COLOMBIA. MD 3.6 (UVC).
28	14 33 51.5&	43.035 N	18.769 E	10 G		0.3	8	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
28	15 02 42.4?	43.28 N	18.13 E	10 G		0.6	7	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
28	15 05 30.8?	4.61 S	105.51 W	10 G	4.5	0.7	9	CENTRAL EAST PACIFIC RISE
28	15 24 48.9	41.191 N	21.980 E	10 G		0.6	9	NORTHWESTERN BALKAN REGION. ML 2.0 (SKO).
28	15 27 44.9	35.888 N	140.293 E	74	4.5	0.7	23	NEAR EAST COAST OF HONSHU, JAPAN
28	15 32 14.2&	63.105 N	150.810 W	133			75	CENTRAL ALASKA. <AEIC>.
28	15 52 00.5*	39.427 N	23.600 E	10 G		0.5	9	AEGEAN SEA. ML 2.5 (THE).
28	17 13 27.3*	30.471 S	71.819 W	10 G		1.4	11	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
a 28	17 19 55.5	36.924 N	49.603 E	16 D	5.6 5.0	1.0	349	WESTERN IRAN. At least one person killed, 70 injured and damage in the Rudbar area. Landslides occurred on the road between Rudbar and Rasht. Felt in other parts

28	17	23	10.0	30.891 S	69.532 W	10 G		0.8	10	of northern Iran and at Tehran.
28	18	49	06.7%	44.399 N	6.444 E	10 G		0.5	9	CHILE-ARGENTINA BORDER REGION
28	19	16	51.9*	12.558 S	166.990 E	304 ?	4.6	1.0	42	FRANCE. ML 2.0 (GEN)
28	19	25	18.5?	20.98 S	178.52 W	590 ?	4.5	1.4	16	SANTA CRUZ ISLANDS
28	19	33	36.6*	36.519 N	70.990 E	283 ?	4.3	0.2	9	FIJI ISLANDS REGION
28	20	25	02.1?	45.42 N	15.09 E	10 G		1.2	4	HINDU KUSH REGION, AFGHANISTAN
28	20	39	39.5	48.590 N	1.835 W	10 G		0.5	4	NORTHWESTERN BALKAN REGION. ML 2.4 (LJU).
28	21	09	31.2	43.126 N	0.398 W	21		0.9	20	FRANCE. ML 1.8 (LDG).
										PYRENEES. mbLg 3.3 (MDD). Felt (IV) in the Ossau Valley, France.
28	21	47	17.2*	36.275 N	49.945 E	10 G		0.4	6	WESTERN IRAN
28	22	38	06.2*	9.839 N	83.211 W	33 N	4.3 3.9	1.1	20	COSTA RICA. Felt (IV) at Turrialba, (III) at San Jose and (II) at Sixaola. Also felt at Chirripo, Maravia, Liman, Alajuela and Cartago.
28	23	35	25.1*	28.295 S	69.829 W	173 ?		0.8	13	CHILE-ARGENTINA BORDER REGION
29	00	01	22.1*	10.844 N	126.076 E	50 G	4.3	0.8	11	PHILIPPINE ISLANDS REGION
29	01	13	52.5	4.738 N	77.674 W	33 N	4.2	0.9	19	NEAR WEST COAST OF COLOMBIA. MD 4.3 (UVC).
29	01	29	14.6?	36.75 N	20.12 E	10 G		1.1	6	CENTRAL MEDITERRANEAN SEA. MD 3.4 (ATH).
29	02	45	47.0*	48.268 N	18.730 E	10 G		1.5	7	CZECHOSLOVAKIA. ML 3.4 (BRA). Felt at Levice, Batavce and Ipelsky Sakalec.
29	03	05	36.9%	60.973 N	151.038 W	51			58	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).
29	03	21	50.4%	60.969 N	151.039 W	50	2.6		51	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
29	04	03	44.3	16.186 S	176.467 W	392 D	4.4	0.9	58	FIJI ISLANDS REGION
29	04	28	02.5?	14.99 S	171.45 E	33 N	4.3	1.4	7	VANUATU ISLANDS REGION
29	05	34	48.6?	46.77 N	150.20 E	147 ?	3.6	1.5	5	KURIL ISLANDS
29	06	12	55.1*	40.896 N	20.655 E	10 G		0.7	6	GREECE-ALBANIA BORDER REGION. ML 2.5 (THE).
29	08	12	20.7*	31.932 S	138.033 E	33 N		1.2	5	SOUTH AUSTRALIA. ML 3.3 (BFD), 3.0 (CMS).
29	08	25	30.7	38.403 N	30.312 W	10 G	4.9 4.4	1.0	67	AZORES ISLANDS
29	08	31	17.0*	4.856 N	77.519 W	33 N	3.5	0.5	11	NEAR WEST COAST OF COLOMBIA. MD 4.1 (UVC).
29	09	24	55.9%	45.204 N	7.498 E	10 G		0.6	6	NORTHERN ITALY. ML 2.0 (GEN).
29	09	45	42.7*	31.668 S	138.152 E	10 G		1.0	6	SOUTH AUSTRALIA. ML 3.7 (BFD), 3.5 (CMS).
29	10	13	01.9	43.443 N	5.476 E	5 G		0.3	8	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
29	11	14	12.1%	26.401 S	27.299 E	5 G		1.4	5	REPUBLIC OF SOUTH AFRICA
29	11	17	15.1%	43.730 N	10.448 E	10 G		1.3	6	CENTRAL ITALY
29	12	36	32.0?	59.32 N	1.72 E	10 G		0.3	7	NORTH SEA. MD 2.8 (BER).
29	13	48	46.1*	2.249 S	138.839 E	33 N	4.8	0.7	13	IRIAN JAYA, INDONESIA
29	14	04	17.7	43.439 N	5.464 E	10 G		0.4	8	NEAR SOUTH COAST OF FRANCE. ML 2.6 (STR).
29	14	15	45.1%	59.745 N	132.526 W	85			55	SOUTHERN ALASKA. <AEIC>.
29	14	52	41.9?	43.50 N	13.36 E	10 G		0.2	4	CENTRAL ITALY
29	15	37	14.5?	5.55 S	144.23 E	33 N	3.6	0.1	5	NEW GUINEA, PAPUA NEW GUINEA
29	17	09	49.2	7.608 S	128.111 E	166 *	4.8	1.1	16	BANDA SEA
29	17	35	44.2%	42.989 N	18.892 E	10 G		0.3	9	NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).
29	17	40	53.9*	31.850 S	70.412 W	115 ?		0.8	10	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
29	17	47	05.6?	51.37 N	15.77 E	10 G		0.8	10	POLAND. ML 3.5 (VIE), 3.4 (GRF).
29	18	25	16.6%	43.085 N	18.713 E	10 G		0.2	7	NORTHWESTERN BALKAN REGION. ML 1.3 (TTG).
29	19	08	07.9	46.695 N	9.507 E	10 G		1.1	18	SWITZERLAND. ML 2.6 (LDG), 2.5 (VIE).
29	20	14	40.6%	60.381 N	151.112 W	41		0.3	51	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
29	20	28	16.1%	43.169 N	18.847 E	10 G		0.3	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
29	21	24	55.2	30.129 N	50.838 E	14 D	4.9	1.0	83	NORTHERN IRAN
a 29	22	31	28.0	38.411 N	30.640 W	10 G	4.9 4.9	1.1	109	AZORES ISLANDS
29	22	55	28.0%	43.242 N	18.919 E	10 G		0.1	8	NORTHWESTERN BALKAN REGION. ML 1.4 (TTG).
a 29	23	35	06.8	44.375 S	167.846 E	10	5.2 4.9	1.3	62	SOUTH ISLAND, NEW ZEALAND. Felt at Queenstown and Te Anau.
29	23	51	59.0?	2.40 N	128.36 E	33 N	4.2	1.5	7	HALMAHERA, INDONESIA
30	02	23	18.6	4.191 S	129.292 E	34 D	5.3	1.0	62	BANDA SEA
30	02	42	00.6%	63.017 N	150.757 W	115			37	CENTRAL ALASKA. <AEIC>.
30	03	23	13.9?	4.55 S	129.30 E	94 *	4.7	0.6	10	BANDA SEA
30	03	26	34.8%	43.086 N	18.852 E	10 G		0.1	8	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
30	03	35	47.3%	63.025 N	151.008 W	127			36	CENTRAL ALASKA. <AEIC>.
30	03	50	05.1?	36.10 N	137.07 E	281 *	4.5	0.5	7	EASTERN HONSHU, JAPAN
30	03	52	20.7?	32.42 S	71.38 W	33 N		0.7	7	NEAR COAST OF CENTRAL CHILE
30	05	10	51.6%	42.966 N	18.873 E	10 G		1.2	6	NORTHWESTERN BALKAN REGION. ML 1.5 (TTG).
30	05	29	00.0%	62.478 N	151.238 W	83			41	CENTRAL ALASKA. <AEIC>.
30	06	04	30.5	47.200 N	9.111 E	10 G		0.6	14	GERMANY. ML 2.6 (LDG), 2.4 (VIE).
30	06	14	14.4	32.057 S	69.648 W	100 G		0.7	11	MENDOZA PROVINCE, ARGENTINA
30	06	33	39.9	31.796 S	69.591 W	110 G		0.7	14	SAN JUAN PROVINCE, ARGENTINA
30	06	45	56.1	36.743 N	116.215 W	10 G		0.5	24	CALIFORNIA-NEVADA BORDER REGION. ML 3.3 (GS), 3.4 (PAS).
30	07	39	01.3?	42.81 N	18.10 E	10 G		0.6	9	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
30	08	33	14.3%	60.600 N	151.879 W	72	2.5		81	KENAI PENINSULA, ALASKA. <AEIC>.
30	09	02	20.3?	40.45 N	21.85 E	10 G		1.3	4	GREECE. ML 1.6 (THE).
30	09	35	43.7*	24.121 S	179.582 W	458 *	4.4	1.2	38	SOUTH OF FIJI ISLANDS
30	11	19	06.8	17.623 N	104.842 W	33 N	4.8	0.9	57	OFF COAST OF MICHOCAN, MEXICO
30	11	51	07.4%	59.899 N	153.454 W	141	3.5		90	SOUTHERN ALASKA. <AEIC>.
30	12	35	59.0%	33.247 S	70.771 W	70 G		0.3	7	CHILE-ARGENTINA BORDER REGION
30	12	47	42.6%	43.035 N	18.794 E	10 G		0.2	9	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
30	13	01	06.8?	37.24 N	3.55 W	10 G		1.0	4	SPAIN. mbLg 2.5 (MDD).
30	13	09	46.3	52.445 N	32.186 W	10 G	4.7 4.1	0.9	76	NORTH ATLANTIC OCEAN
30	14	11	00.3	10.839 S	74.424 W	33 N	5.0	0.8	41	CENTRAL PERU
30	14	16	41.3%	59.263 N	152.386 W	83			77	SOUTHERN ALASKA. <AEIC>.
30	14	35	38.1?	18.72 N	66.35 W	10 G		0.1	4	PUERTO RICO REGION
30	15	00	34.8*	29.185 N	94.680 E	33 N		0.9	8	EASTERN XIJIANG-INDIA BORDER REG.
30	15	57	54.6	39.327 N	28.132 E	10		0.8	44	TURKEY. ML 4.3 (THE). Felt at Balikesir.
30	16	02	09.7*	39.327 N	28.085 E	10 G		1.1	5	TURKEY
30	16	03	23.5%	43.041 N	18.772 E	10 G		0.2	9	NORTHWESTERN BALKAN REGION. ML 2.0 (TTG).
30	16	23	24.3	39.356 N	28.156 E	10 G		0.8	8	TURKEY
30	17	18	01.5%	43.048 N	18.832 E	10 G		0.4	8	NORTHWESTERN BALKAN REGION. ML 1.7 (TTG).
30	17	31	43.5*	2.594 N	127.961 E	33 N	4.2 3.7	1.3	10	NORTHERN MOLUCCA SEA
30	17	32	26.2*	39.218 N	21.620 E	5 G		0.9	9	GREECE. ML 2.8 (THE).
30	18	06	53.8?	20.78 S	169.58 E	51 ?	4.5 3.5	1.2	13	VANUATU ISLANDS
30	19	33	27.9?	40.87 N	23.74 E	10 G		0.5	4	GREECE
30	19	52	24.4*	6.409 S	144.838 E	33 N	4.1	1.4	5	NEW GUINEA, PAPUA NEW GUINEA



30 20 51 38.1 44.086 N 18.122 E 10 G 1.2 16 NORTHWESTERN BALKAN REGION ML 2.8 (TTG).  
 30 21 11 06.2% 43.104 N 18.819 E 10 G 0.1 6 NORTHWESTERN BALKAN REGION ML 1 6 (TTG).  
 30 21 37 56.5% 17.41 N 61.11 W 10 G 0.2 7 LEEWARD ISLANDS. ML 2.9 (FDF)  
 30 22 34 56.5% 25.08 N 123.99 E 110 ? 3.7 0.9 9 NORTHEAST OF TAIWAN  
 30 23 59 52.8% 41.979 N 142.417 E 33 N 0.6 5 HOKKAIDO, JAPAN REGION

## 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 51 12.77 1.235N 122.105E 37km  
 5.6mb ( 60 obs.) 5.5msz ( 25 obs.)  
 MINAHASSA PENINSULA, SULAWESI  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 24S, 55C  
 Centroid Location:  
 Origin Time 02:51:17.9 0.2  
 Lat 1.48N 0.02 Lon 122.20E 0.02  
 Dep 39.0 1.8 Half-duration 3.5  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 8.97 P1g=64 Azm=226  
 N 1.55 17 98  
 P -10.52 19 2  
 Best Double Couple:Mo=9.8\*10\*\*17  
 NP1:Strike= 66 Dip=30 Slip= 55  
 NP2: 286 66 108

01 16 23 22.37 30.255S 177.981W 21km  
 6.4mb ( 72 obs.) 6.5msz ( 34 obs.)  
 KERMADEC ISLANDS, NEW ZEALAND  
 RADIATED ENERGY  
 No. of sta: 11 Focal mech. C  
 Energy 4.4±1.2\*10\*\*13 Nm  
 MOMENT TENSOR SOLUTION  
 Dep 22 No. of sta: 19  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 9.10 P1g=58 Azm=341  
 N 0.87 25 204  
 P -9.98 19 104  
 Best Double Couple:Mo=9.5\*10\*\*18  
 NP1:Strike=160 Dip=34 Slip= 41  
 NP2: 34 69 117  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 25S, 65C M.W.: 21S, 45C  
 Centroid Location:  
 Origin Time 16:23:30.7 0.1  
 Lat 30.15S 0.01 Lon 177.53W 0.01  
 Dep 45.5 BDY Half-duration 7.7  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 9.15 P1g=74 Azm=267  
 N 0.43 5 14  
 P -9.59 15 105  
 Best Double Couple:Mo=9.4\*10\*\*18  
 NP1:Strike=202 Dip=30 Slip= 99  
 NP2: 11 60 85

04 01 50 31.63 30.666N 50.218E 39km  
 5.4mb ( 84 obs.) 5.4msz ( 16 obs.)  
 NORTHERN IRAN  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 20S, 35C  
 Centroid Location:  
 Origin Time 01:50:35.6 1.0  
 Lat 30.06N 0.07 Lon 49.71E 0.07  
 Dep 21.7 2.3 Half-duration 2.5  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 2.62 P1g=84 Azm=178  
 N 0.98 5 318  
 P -3.60 4 48  
 Best Double Couple:Mo=3.1\*10\*\*17  
 NP1:Strike=143 Dip=41 Slip= 97  
 NP2: 314 49 84

04 06 24 02.60 6.072S 148.198E 50km  
 5.7mb ( 58 obs.) 6.0msz ( 22 obs.)  
 NEW BRITAIN REGION, P.N.G.  
 FAULT PLANE SOLUTION: P-Waves  
 NP1:Strike=280 Dip=40 Slip= 90  
 NP2: 100 50 90  
 Principal Axes:  
 T P1g=85 Azm= 10  
 P 5 190  
 Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is NP1.

RADIATED ENERGY  
 No. of sta: 8 Focal mech. M  
 Energy 2.2±0.4\*10\*\*12 Nm  
 MOMENT TENSOR SOLUTION  
 Dep 46 No. of sta: 17  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 2.00 P1g=76 Azm= 51  
 N -0.04 11 267  
 P -1.96 8 176  
 Best Double Couple:Mo=2.0\*10\*\*18  
 NP1:Strike=253 Dip=38 Slip= 72  
 NP2: 95 54 104  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 25S, 71C  
 Centroid Location:  
 Origin Time 06:24:10.9 0.4  
 Lat 6.23S 0.03 Lon 148.55E 0.02  
 Dep 34.1 1.4 Half-duration 4.6  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 2.14 P1g=74 Azm= 25  
 N 0.17 8 266  
 P -2.31 14 174  
 Best Double Couple:Mo=2.2\*10\*\*18  
 NP1:Strike=253 Dip=32 Slip= 75  
 NP2: 91 59 99

05 06 50 58.22 4.692S 105.904W 10km  
 5.0mb ( 9 obs.) 5.3msz ( 4 obs.)  
 CENTRAL EAST PACIFIC RISE  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 15S, 32C  
 Centroid Location:  
 Origin Time 06:51: 6.4 0.5  
 Lat 4.35S 0.04 Lon 105.50W 0.04  
 Dep 15.0 FIX Half-duration 2.9  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 4.02 P1g= 0 Azm=148  
 N 0.41 90 180  
 P -4.43 0 58  
 Best Double Couple:Mo=4.2\*10\*\*17  
 NP1:Strike=193 Dip=90 Slip=-180  
 NP2: 283 90 0

05 06 56 03.01 6.237S 146.444E 105km  
 5.8mb ( 75 obs.)  
 EASTERN NEW GUINEA REG., P.N.G.  
 FAULT PLANE SOLUTION: P-Waves  
 NP1:Strike=245 Dip=85 Slip= 172  
 NP2: 336 82 5  
 Principal Axes:  
 T P1g= 9 Azm=200  
 P 2 291  
 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: 6 Focal mech. F  
 Energy 1.7±0.6\*10\*\*14 Nm  
 MOMENT TENSOR SOLUTION  
 Dep 112 No. of sta: 10  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 2.64 P1g= 5 Azm= 25  
 N -0.36 83 138  
 P -2.28 5 295  
 Best Double Couple:Mo=2.5\*10\*\*18  
 NP1:Strike= 70 Dip=83 Slip=-180  
 NP2: 340 90 -7  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 21S, 51C  
 Centroid Location:  
 Origin Time 06:56:11.5 0.3  
 Lat 6.36S 0.03 Lon 146.67E 0.03  
 Dep 82.0 1.6 Half-duration 4.9  
 Principal Axes:

Scale 10\*\*18 Nm  
 T Val= 2.30 P1g=12 Azm=197  
 N -0.17 76 344  
 P -2.13 7 105  
 Best Double Couple:Mo=2.2\*10\*\*18  
 NP1:Strike=240 Dip=76 Slip= 177  
 NP2: 331 87 14

05 21 16 16.02 16.908S 66.162E 10km  
 5.6mb ( 42 obs.) 6.0msz ( 31 obs.)  
 MID-INDIAN RIDGE  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 26S, 64C M.W.: 21S, 40C  
 Centroid Location:  
 Origin Time 21:16:27.1 0.1  
 Lat 17.34S 0.01 Lon 65.70E 0.02  
 Dep 15.0 FIX Half-duration 6.7  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 7.13 P1g=18 Azm=108  
 N -0.67 63 237  
 P -6.46 19 11  
 Best Double Couple:Mo=6.8\*10\*\*18  
 NP1:Strike=150 Dip=63 Slip=-179  
 NP2: 59 89 -27

07 05 59 35.58 26.309S 177.877W 200km  
 5.6mb ( 53 obs.)  
 SOUTH OF FIJI ISLANDS  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 23S, 53C  
 Centroid Location:  
 Origin Time 05:59:38.6 0.3  
 Lat 26.05S 0.02 Lon 177.64W 0.03  
 Dep 184.8 1.1 Half-duration 3.1  
 Principal Axes:  
 Scale 10\*\*17 Nm  
 T Val= 5.59 P1g=25 Azm=108  
 N 0.62 34 217  
 P -6.21 45 350  
 Best Double Couple:Mo=5.9\*10\*\*17  
 NP1:Strike=151 Dip=37 Slip=-160  
 NP2: 45 78 -55

07 09 21 23.72 7.320S 128.550E 140km  
 5.9mb ( 74 obs.)  
 BANDA SEA  
 FAULT PLANE SOLUTION: P-Waves  
 NP1:Strike=330 Dip=45 Slip= 90  
 NP2: 150 45 90  
 Principal Axes:  
 T P1g=90 Azm= 0  
 P 0 60  
 Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.

RADIATED ENERGY  
 No. of sta: 8 Focal mech. M  
 Energy 2.3±0.7\*10\*\*13 Nm  
 MOMENT TENSOR SOLUTION  
 Dep 143 No. of sta: 9  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 3.08 P1g=86 Azm=360  
 N -0.05 3 147  
 P -3.03 2 237  
 Best Double Couple:Mo=3.1\*10\*\*18  
 NP1:Strike=330 Dip=43 Slip= 95  
 NP2: 144 47 86  
 CENTROID, MOMENT TENSOR (HRV)  
 Data Used: GDSN  
 L.P.B.: 27S, 71C  
 Centroid Location:  
 Origin Time 09:21:31.0 0.3  
 Lat 7.07S 0.02 Lon 128.62E 0.02  
 Dep 156.6 0.6 Half-duration 5.1  
 Principal Axes:  
 Scale 10\*\*18 Nm  
 T Val= 2.82 P1g=88 Azm= 58  
 N 0.46 0 324

P -3.28 2 234  
Best Double Couple:Mo=3.0\*10\*\*18  
NP1:Strike=324 Dip=43 Slip= 90  
NP2: 144 47 90

08 15 13 44.18 26.323N 70.607E 22km  
5.6mb ( 88 obs.) 5.0Msz ( 16 obs.)  
INDIA-PAKISTAN BORDER REG.  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 14S, 23C  
Centroid Location:  
Origin Time 15:13:47.8 1.6  
Lat 26.47N 0.13 Lon 70.70E 0.08  
Dep 22.0 BDY Half-duration 1.8  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.22 Plg=60 Azm=249  
N 0.31 28 91  
P -1.52 10 356  
Best Double Couple:Mo=1.4\*10\*\*17  
NP1:Strike= 56 Dip=43 Slip= 46  
NP2: 289 61 123

08 17 12 43.99 4.273S 102.806E 80km  
5.7mb ( 78 obs.)  
SOUTHERN SUMATERA, INDONESIA  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=240 Dip=45 Slip= 20  
NP2: 136 76 133  
Principal Axes:  
T Plg=42 Azm= 86  
P 19 195  
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.  
RADIATED ENERGY  
No. of sta: 5 Focal mech. F  
Energy 8.9±3.4\*10\*\*12 Nm  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 20S, 40C  
Centroid Location:  
Origin Time 17:12:48.4 0.5  
Lat 4.76S 0.03 Lon 103.02E 0.04  
Dep 63.2 2.2 Half-duration 2.6  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 3.06 Plg=67 Azm= 71  
N 0.58 18 293  
P -3.65 15 198  
Best Double Couple:Mo=3.3\*10\*\*17  
NP1:Strike=265 Dip=34 Slip= 57  
NP2: 123 62 110

10 08 20 20.77 10.002N 83.262W 37km  
5.2mb ( 57 obs.) 5.0Msz ( 7 obs.)  
COSTA RICA  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 18S, 34C  
Centroid Location:  
Origin Time 08:20:23.1 0.9  
Lat 10.19N 0.06 Lon 83.46W 0.08  
Dep 24.6 3.6 Half-duration 1.9  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 10.87 Plg=61 Azm=101  
N 1.74 27 306  
P -12.60 11 211  
Best Double Couple:Mo=1.2\*10\*\*17  
NP1:Strike=271 Dip=41 Slip= 47  
NP2: 142 61 121

10 13 04 39.38 59.449S 26.183W 33km  
5.2mb ( 15 obs.) 5.0Msz ( 2 obs.)  
SOUTH SANDWICH ISLANDS REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 21S, 44C  
Centroid Location:  
Origin Time 13:04:48.7 0.3  
Lat 60.13S 0.07 Lon 25.67W 0.10  
Dep 34.6 3.9 Half-duration 2.0  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.79 Plg=60 Azm=203  
N -0.13 29 39  
P -1.66 7 305  
Best Double Couple:Mo=1.7\*10\*\*17

NP1:Strike= 6 Dip=46 Slip= 47  
NP2: 239 59 125

11 16 15 50.35 24.216S 177.393W 178km  
5.5mb ( 68 obs.)  
SOUTH OF FIJI ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 22S, 58C  
Centroid Location:  
Origin Time 16:15:55.2 0.3  
Lat 23.94S 0.04 Lon 176.97W 0.03  
Dep 179.0 1.0 Half-duration 3.9  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 12.37 Plg=30 Azm=103  
N -2.42 17 3  
P -9.95 54 248  
Best Double Couple:Mo=1.1\*10\*\*18  
NP1:Strike=235 Dip=21 Slip= -37  
NP2: 359 77 -107

11 17 45 57.44 17.911N 105.586W 11km  
5.5mb ( 39 obs.) 5.7Msz ( 10 obs.)  
OFF COAST OF JALISCO, MEXICO  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 25S, 61C  
Centroid Location:  
Origin Time 17:46: 3.3 0.3  
Lat 18.08N 0.02 Lon 105.89W 0.03  
Dep 15.0 FIX Half-duration 3.4  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 9.45 Plg= 0 Azm=235  
N -0.36 90 180  
P -9.09 0 145  
Best Double Couple:Mo=0.3\*10\*\*17  
NP1:Strike=280 Dip=90 Slip=-180  
NP2: 10 90 0

11 22 34 40.90 24.705N 142.570E 25km  
6.0mb (126 obs.) 5.8Msz ( 31 obs.)  
VOLCANO ISLANDS REGION  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=125 Dip=65 Slip= -90  
NP2: 305 25 -90  
Principal Axes:  
T Plg=20 Azm=215  
P 70 35  
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.  
RADIATED ENERGY  
No. of sta: 10 Focal mech. M  
Energy 2.1±0.6\*10\*\*13 Nm  
MOMENT TENSOR SOLUTION  
Dep 30 No. of sta: 12  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 6.25 Plg= 5 Azm=197  
N 0.02 20 289  
P -6.26 70 95  
Best Double Couple:Mo=6.3\*10\*\*17  
NP1:Strike=267 Dip=44 Slip=-119  
NP2: 125 53 -65  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 22S, 48C  
Centroid Location:  
Origin Time 22:34:47.1 0.5  
Lat 24.90N 0.05 Lon 142.80E 0.03  
Dep 15.0 FIX Half-duration 2.6  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 4.62 Plg= 1 Azm= 19  
N 1.46 17 289  
P -6.07 73 111  
Best Double Couple:Mo=5.3\*10\*\*17  
NP1:Strike=126 Dip=47 Slip= -66  
NP2: 273 48 -114

13 02 14 53.90 9.013S 158.320E 29km  
5.2mb ( 28 obs.) 5.0Msz ( 10 obs.)  
SOLOMON ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 18S, 34C  
Centroid Location:  
Origin Time 02:15: 0.2 1.1  
Lat 8.63S 0.11 Lon 158.59E 0.07

Dep 15.0 FIX Half-duration 2.4  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 2.58 Plg=59 Azm= 82  
N -0.17 12 331  
P -2.42 28 234  
Best Double Couple:Mo=2.5\*10\*\*17  
NP1:Strike=295 Dip=20 Slip= 52  
NP2: 155 74 103

13 11 12 13.24 8.361N 126.371E 36km  
6.1mb (100 obs.) 6.4Msz ( 39 obs.)  
MINDANAO, PHILIPPINE ISLANDS  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=355 Dip=65 Slip= 90  
NP2: 175 25 90  
Principal Axes:  
T Plg=70 Azm=265  
P 20 85  
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.  
RADIATED ENERGY  
No. of sta: 7 Focal mech. F  
Energy 1.2±0.3\*10\*\*14 Nm  
MOMENT TENSOR SOLUTION  
Dep 24 No. of sta: 12  
Principal Axes:  
Scale 10\*\*19 Nm  
T Val= 1.87 Plg=53 Azm=304  
N -0.50 17 190  
P -1.37 32 89  
Best Double Couple:Mo=1.6\*10\*\*19  
NP1:Strike=136 Dip=20 Slip= 35  
NP2: 13 79 107  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 23S, 65C M.W.: 14S, 27C  
Centroid Location:  
Origin Time 11:12:19.4 0.1  
Lat 8.30N 0.01 Lon 126.85E 0.01  
Dep 42.7 BDY Half-duration 7.8  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 10.08 Plg=75 Azm=328  
N -0.10 11 195  
P -9.98 11 103  
Best Double Couple:Mo=1.0\*10\*\*19  
NP1:Strike=179 Dip=35 Slip= 71  
NP2: 22 57 103

13 19 20 04.26 33.472N 137.845E 308km  
5.4mb (103 obs.)  
NEAR S. COAST OF HONSHU, JAPAN  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 15S, 26C  
Centroid Location:  
Origin Time 19:20: 9.3 0.7  
Lat 34.06N 0.09 Lon 137.77E 0.06  
Dep 311.3 3.5 Half-duration 2.5  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.45 Plg=60 Azm= 95  
N 0.10 8 350  
P -1.55 28 256  
Best Double Couple:Mo=1.5\*10\*\*17  
NP1:Strike=325 Dip=18 Slip= 63  
NP2: 173 74 98

16 00 35 38.31 37.276S 176.755E 286km  
5.0mb ( 32 obs.)  
NORTH ISLAND, NEW ZEALAND  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 19S, 38C  
Centroid Location:  
Origin Time 00:35:42.5 0.7  
Lat 36.89S 0.08 Lon 176.57E 0.07  
Dep 283.4 2.5 Half-duration 2.3  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.58 Plg=32 Azm= 31  
N 0.51 53 246  
P -2.09 18 132  
Best Double Couple:Mo=1.8\*10\*\*17  
NP1:Strike=175 Dip=54 Slip= 11  
NP2: 78 81 144

18 08 33 54.07 3.644N 126.781E 22km  
4.9mb ( 19 obs.) 4.7Msz ( 10 obs.)

TALAUD ISLANDS, INDONESIA  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 11S, 18C  
Centroid Location:  
Origin Time 08:34: 0.8 0.9  
Lat 3.65N FIX:Lon 126.88E FIX  
Dep 15.0 FIX Half-duration 2.4  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 10.44 Plg=59 Azm= 25  
N 1.32 17 146  
P -11.76 25 244  
Best Double Couple:Mo=1.1\*10\*\*17  
NP1:Strike= 7 Dip=25 Slip= 133  
NP2: 141 72 72

18 11 06 42.87 3.443N 126.509E 26km  
5.0mb ( 23 obs.) 4.7MsZ ( 14 obs.)  
TALAUD ISLANDS, INDONESIA  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 17S, 24C  
Centroid Location:  
Origin Time 11:06:49.5 1.0  
Lat 3.83N 0.11 Lon 126.95E 0.11  
Dep 15.0 FIX Half-duration 2.1  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.50 Plg=58 Azm= 58  
N -0.03 4 155  
P -1.47 31 247  
Best Double Couple:Mo=1.5\*10\*\*17  
NP1:Strike=350 Dip=14 Slip= 106  
NP2: 154 76 86

19 11 56 38.41 8.436N 39.494W 10km  
5.1mb ( 50 obs.) 4.5MsZ ( 6 obs.)  
CENTRAL MID-ATLANTIC RIDGE  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 20S, 41C  
Centroid Location:  
Origin Time 11:56:40.1 0.9  
Lat 8.32N 0.08 Lon 39.42W 0.09  
Dep 15.0 FIX Half-duration 1.8  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.27 Plg= 8 Azm=116  
N -0.15 2 207  
P -1.12 82 311  
Best Double Couple:Mo=1.2\*10\*\*17  
NP1:Strike=204 Dip=37 Slip= -93  
NP2: 28 53 -87

19 13 29 21 65 56.121S 123.371W 10km  
5.2mb ( 6 obs.) 5.6MsZ ( 7 obs.)  
SOUTHERN EAST PACIFIC RISE  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 22S, 61C  
Centroid Location:  
Origin Time 13:29:31.4 0.2  
Lat 55.66S 0.03 Lon 123.82W 0.04  
Dep 15.0 FIX Half-duration 3.4  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 7.80 Plg= 5 Azm=334  
N -0.25 77 221  
P -7.55 12 65  
Best Double Couple:Mo=7.7\*10\*\*17  
NP1:Strike=109 Dip=77 Slip= -5  
NP2: 200 85 -167

19 22 28 51.09 4.554N 77.442W 21km  
6.4mb ( 78 obs.) 7.0MsZ ( 34 obs.)  
NEAR WEST COAST OF COLOMBIA  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=268 Dip=57 Slip= 5  
NP2: 175 86 147  
Principal Axes:  
T Plg=26 Azm=126  
P 19 226  
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: 9 Focal mech. F  
Energy 5.7±1.5\*10\*\*14 Nm  
MOMENT TENSOR SOLUTION

Dep 29 No. of sta: 11  
Principal Axes:  
Scale 10\*\*19 Nm  
T Val= 4.95 Plg=53 Azm= 71  
N 0.05 13 179  
P -5.01 34 278  
Best Double Couple:Mo=5.0\*10\*\*19  
NP1:Strike= 51 Dip=17 Slip= 142  
NP2: 177 80 77  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
M.W.: 15S, 36C  
Centroid Location:  
Origin Time 22:29: 1.1 0.2  
Lat 4.80N 0.02 Lon 77.18W 0.02  
Dep 19.1 BDY Half-duration 15.7  
Principal Axes:  
Scale 10\*\*19 Nm  
T Val= 7.21 Plg=58 Azm= 97  
N 0.22 1 189  
P -7.43 32 279  
Best Double Couple:Mo=7.3\*10\*\*19  
NP1:Strike= 13 Dip=13 Slip= 95  
NP2: 188 77 89

20 04 40 49.77 44.920S 80.956W 10km  
5.3mb ( 12 obs.)  
OFF COAST OF SOUTHERN CHILE  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 15S, 36C  
Centroid Location:  
Origin Time 04:40:49.8 0.5  
Lat 45.17S 0.06 Lon 81.09W 0.11  
Dep 15.0 FIX Half-duration 2.6  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 3.46 Plg= 1 Azm=215  
N -0.39 81 311  
P -3.07 9 124  
Best Double Couple:Mo=3.3\*10\*\*17  
NP1:Strike=260 Dip=83 Slip= -174  
NP2: 169 84 -7

20 09 23 09.46 36.515S 178.385E 79km  
6.0mb ( 55 obs.)  
OFF E. COAST OF N. ISLAND, N.Z.  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=227 Dip=77 Slip= 174  
NP2: 318 84 13  
Principal Axes:  
T Plg=13 Azm=183  
P 5 92  
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.  
MOMENT TENSOR SOLUTION  
Dep 55 No. of sta: 14  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 1.41 Plg= 8 Azm=329  
N 0.01 29 234  
P -1.42 59 73  
Best Double Couple:Mo=1.4\*10\*\*18  
NP1:Strike= 89 Dip=45 Slip= -46  
NP2: 215 60 -125  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 21S, 59C M.W.: 4S, 4C  
Centroid Location:  
Origin Time 09:23:11.0 0.2  
Lat 36.46S 0.02 Lon 178.78E 0.02  
Dep 83.0 1.3 Half-duration 4.2  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 1.58 Plg=18 Azm=291  
N -0.18 20 195  
P -1.40 62 60  
Best Double Couple:Mo=1.5\*10\*\*18  
NP1:Strike= 50 Dip=32 Slip= -50  
NP2: 185 66 -112

21 12 38 28.57 5.782N 126.832E 73km  
6.0mb (100 obs.)  
MINDANAO, PHILIPPINE ISLANDS  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike=170 Dip=73 Slip= 15  
NP2: 76 76 162  
Principal Axes:  
T Plg=22 Azm= 32

P 2 123  
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.  
RADIATED ENERGY  
No. of sta: 2 Focal mech. F  
Energy 1.3±0.9\*10\*\*14 Nm  
MOMENT TENSOR SOLUTION  
Dep 76 No. of sta: 10  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 2.70 Plg=33 Azm= 41  
N 0.02 57 210  
P -2.72 5 308  
Best Double Couple:Mo=2.7\*10\*\*18  
NP1:Strike= 79 Dip=64 Slip= 159  
NP2: 179 72 28  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 17S, 46C M.W.: 10S, 14C  
Centroid Location:  
Origin Time 12:38:31.7 0.2  
Lat 5.85N 0.02 Lon 126.89E 0.02  
Dep 82.4 1.3 Half-duration 3.3  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 1.90 Plg=50 Azm= 22  
N -0.04 38 179  
P -1.86 11 278  
Best Double Couple:Mo=1.9\*10\*\*18  
NP1:Strike= 45 Dip=47 Slip= 147  
NP2: 159 66 48

21 23 03 14.49 48.749N 28.046W 10km  
5.2mb ( 55 obs.) 5.3MsZ ( 14 obs.)  
NORTHERN MID-ATLANTIC RIDGE  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 18S, 39C  
Centroid Location:  
Origin Time 23:03:18.8 1.1  
Lat 48.64N 0.09 Lon 28.10W 0.10  
Dep 15.0 FIX Half-duration 1.8  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.11 Plg= 0 Azm=268  
N 0.40 0 178  
P -1.52 90 180  
Best Double Couple:Mo=1.3\*10\*\*17  
NP1:Strike=358 Dip=45 Slip= -90  
NP2: 178 45 -90

22 18 35 53.20 22.361S 174.177E 33km  
5.1mb ( 23 obs.) 5.1MsZ ( 7 obs.)  
LOYALTY ISLANDS REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 20S, 38C  
Centroid Location:  
Origin Time 18:35:53.3 1.3  
Lat 22.75S 0.10 Lon 174.13E 0.05  
Dep 15.0 FIX Half-duration 2.2  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 2.16 Plg=50 Azm= 81  
N 0.27 33 300  
P -2.43 20 197  
Best Double Couple:Mo=2.3\*10\*\*17  
NP1:Strike=246 Dip=38 Slip= 30  
NP2: 132 72 125

23 20 00 41.71 26.759S 114.939W 10km  
5.2mb ( 20 obs.) 5.4MsZ ( 5 obs.)  
EASTER ISLAND REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 16S, 39C  
Centroid Location:  
Origin Time 20:00:50.1 0.3  
Lat 26.41S 0.05 Lon 115.21W 0.04  
Dep 15.0 FIX Half-duration 2.5  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 3.38 Plg=12 Azm= 84  
N -0.68 2 354  
P -2.70 78 256  
Best Double Couple:Mo=3.0\*10\*\*17  
NP1:Strike=176 Dip=34 Slip= -87  
NP2: 353 57 -92

24 03 47 09.13 16.434N 97.853W 30km  
5.3mb ( 41 obs.) 5.0Msz ( 6 obs.)  
OAXACA, MEXICO  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 21S, 42C  
Centroid Location:  
Origin Time 03:47:20.9 0.6  
Lat 16.79N 0.06 Lon 97.44W 0.07  
Dep 15.0 FIX Half-duration 2.2  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 1.43 Plg=80 Azm=340  
N -0.40 4 92  
P -1.03 9 183  
Best Double Couple:Mo=1.2\*10\*\*17  
NP1:Strike=278 Dip=36 Slip= 96  
NP2: 90 54 85

24 11 30 15.12 28.515S 176.118W 33km  
5.1mb ( 15 obs.) 4.9Msz ( 2 obs.)  
KERMADEC ISLANDS REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 16S, 28C  
Centroid Location:  
Origin Time 11:30:21.9 0.7  
Lat 28.03S 0.08 Lon 176.10W 0.05  
Dep 81.9 4.4 Half-duration 1.6  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 9.22 Plg=76 Azm=172  
N 1.46 10 39  
P -10.68 10 307  
Best Double Couple:Mo=1.0\*10\*\*16  
NP1:Strike= 25 Dip=36 Slip= 73  
NP2: 226 56 102

25 14 15 44.67 8.778S 74.437W 146km  
5.3mb ( 59 obs.)  
PERU-BRAZIL BORDER REGION  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 11S, 23C  
Centroid Location:  
Origin Time 14:15:54.7 1.0  
Lat 8.47S 0.08 Lon 74.48W 0.13  
Dep 146.6 2.7 Half-duration 2.0  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 11.82 Plg=37 Azm= 78  
N -2.06 8 342  
P -9.76 51 242  
Best Double Couple:Mo=1.1\*10\*\*17  
NP1:Strike=211 Dip=11 Slip= -41  
NP2: 341 83 -98

26 10 41 32.00 51.400N 176.000W 24km  
5.8mb (110 obs.) 5.6Msz ( 26 obs.)  
ANDREANOF ISLANDS, ALEUTIAN IS.  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike= 50 Dip=65 Slip= 90  
NP2: 230 25 90  
Principal Axes:  
T Plg=70 Azm=320  
P 20 140  
Comment: The focal mechanism is  
poorly controlled and  
corresponds to reverse  
faulting. The preferred fault  
plane is NP2.  
RADIATED ENERGY  
No. of sta: 13 Focal mech. F  
Energy 3.2±0.6\*10\*\*12 Nm  
MOMENT TENSOR SOLUTION  
Dep 26 No. of sta: 20  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 9.56 Plg=61 Azm=322  
N 0.05 4 225  
P -9.61 28 133

Best Double Couple:Mo=9.6\*10\*\*17  
NP1:Strike=211 Dip=17 Slip= 76  
NP2: 46 73 94  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 23S, 66C  
Centroid Location:  
Origin Time 10:41:35.1 0.2  
Lat 51.49N 0.03 Lon 176.03W 0.03  
Dep 38.3 2.5 Half-duration 3.9  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 12.88 Plg=62 Azm=301  
N -1.04 6 42  
P -11.84 27 135  
Best Double Couple:Mo=1.2\*10\*\*18  
NP1:Strike=240 Dip=19 Slip= 108  
NP2: 41 72 84

26 19 40 48.57 42.051N 142.523E 56km  
6.1mb ( 95 obs.)  
HOKKAIDO, JAPAN REGION  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike= 23 Dip=75 Slip= 90  
NP2: 203 15 90  
Principal Axes:  
T Plg=60 Azm=293  
P 30 113  
Comment: The focal mechanism is  
poorly controlled and  
corresponds to reverse  
faulting. The preferred fault  
plane is NP2.  
RADIATED ENERGY  
No. of sta: 13 Focal mech. M  
Energy 3.9±0.7\*10\*\*13 Nm  
MOMENT TENSOR SOLUTION  
Dep 48 No. of sta: 15  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 4.76 Plg=55 Azm=269  
N 0.10 19 27  
P -4.86 29 128  
Best Double Couple:Mo=4.8\*10\*\*18  
NP1:Strike=259 Dip=23 Slip= 144  
NP2: 22 76 71  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 23S, 67C M.W.: 16S, 27C  
Centroid Location:  
Origin Time 19:40:52.8 0.2  
Lat 42.02N 0.02 Lon 142.86E 0.02  
Dep 46.3 BDY Half-duration 6.4  
Principal Axes:  
Scale 10\*\*18 Nm  
T Val= 4.53 Plg=61 Azm=294  
N 0.16 2 27  
P -4.70 29 119  
Best Double Couple:Mo=4.6\*10\*\*18  
NP1:Strike=215 Dip=16 Slip= 98  
NP2: 27 74 88

27 05 03 31.35 48.237N 154.807E 28km  
5.9mb (115 obs.) 5.5Msz ( 32 obs.)  
KURIL ISLANDS  
FAULT PLANE SOLUTION: P-Waves  
NP1:Strike= 43 Dip=60 Slip= 90  
NP2: 223 30 90  
Principal Axes:  
T Plg=75 Azm=313  
P 15 133  
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. F  
Energy 4.0±1.0\*10\*\*12 Nm  
MOMENT TENSOR SOLUTION  
Dep 27 No. of sta: 17

Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 6.45 Plg=82 Azm=244  
N -0.17 3 1  
P -6.27 7 91  
Best Double Couple:Mo=6.4\*10\*\*17  
NP1:Strike=185 Dip=38 Slip= 96  
NP2: 358 52 86  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 22S, 55C  
Centroid Location:  
Origin Time 05:03:36.6 0.2  
Lat 48.22N 0.03 Lon 154.99E 0.03  
Dep 41.2 1.9 Half-duration 2.9  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 4.83 Plg=70 Azm=310  
N 0.32 5 207  
P -5.15 20 116  
Best Double Couple:Mo=5.0\*10\*\*17  
NP1:Strike=198 Dip=26 Slip= 79  
NP2: 29 65 95

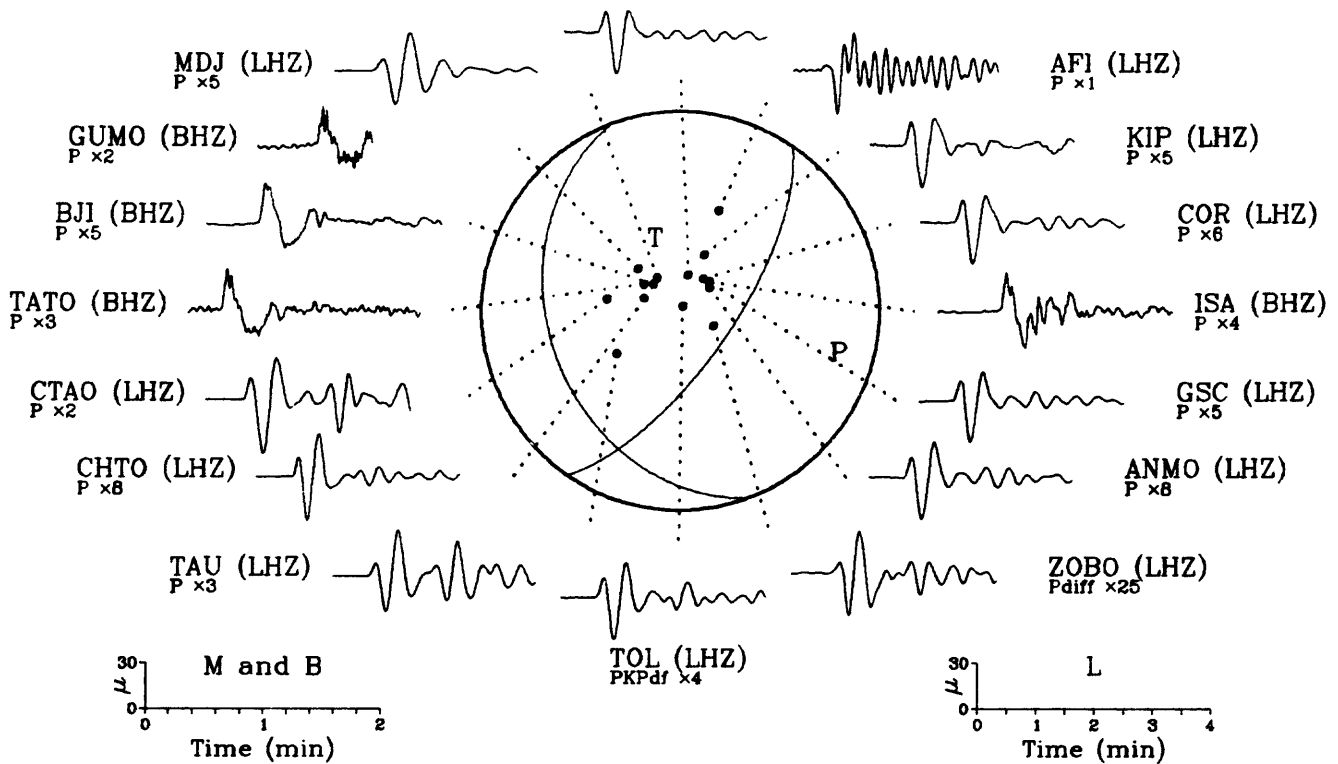
28 17 19 55.53 36.924N 49.603E 16km  
5.6mb ( 94 obs.) 5.0Msz ( 26 obs.)  
WESTERN IRAN  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 20S, 42C  
Centroid Location:  
Origin Time 17:20: 1.1 0.3  
Lat 36.88N 0.04 Lon 49.33E 0.04  
Dep 15.0 FIX Half-duration 2.4  
Principal Axes:  
Scale 10\*\*17 Nm  
T Val= 3.33 Plg=63 Azm=223  
N -0.17 22 5  
P -3.15 15 101  
Best Double Couple:Mo=3.2\*10\*\*17  
NP1:Strike=219 Dip=36 Slip= 130  
NP2: 354 63 65

29 22 31 28.04 38.411N 30.640W 10km  
4.9mb ( 46 obs.) 4.9Msz ( 13 obs.)  
AZORES ISLANDS  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 18S, 27C  
Centroid Location:  
Origin Time 22:31:35.9 0.6  
Lat 38.39N 0.09 Lon 30.96W 0.09  
Dep 15.0 FIX Half-duration 1.6  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 9.64 Plg= 6 Azm=308  
N 1.89 64 206  
P -11.53 25 41  
Best Double Couple:Mo=1.1\*10\*\*17  
NP1:Strike= 81 Dip=68 Slip= -14  
NP2: 177 77 -157

29 23 35 06.89 44.375S 167.846E 10km  
5.2mb ( 15 obs.) 4.9Msz ( 1 obs.)  
SOUTH ISLAND, NEW ZEALAND  
CENTROID, MOMENT TENSOR (HRV)  
Data Used: GDSN  
L.P.B.: 14S, 27C  
Centroid Location:  
Origin Time 23:35: 8.3 0.6  
Lat 44.18S 0.11 Lon 167.91E 0.16  
Dep 15.0 FIX Half-duration 2.0  
Principal Axes:  
Scale 10\*\*16 Nm  
T Val= 11.31 Plg=44 Azm= 35  
N -1.31 37 257  
P -10.00 22 148  
Best Double Couple:Mo=1.1\*10\*\*17  
NP1:Strike=193 Dip=40 Slip= 21  
NP2: 87 77 128

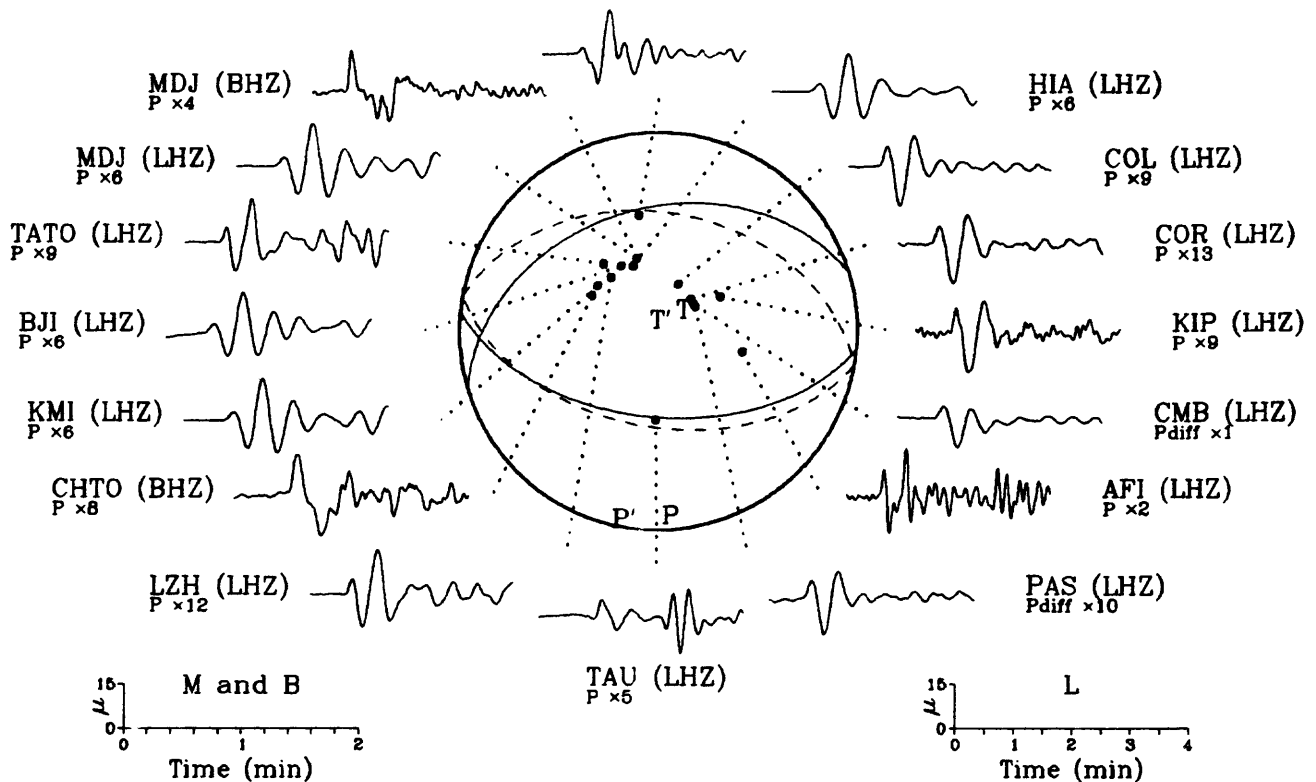
01 November 1991 16:23:22.37  
Kermadec Islands, New Zealand

COL (LHZ)  
Pd<sub>diff</sub> × 9

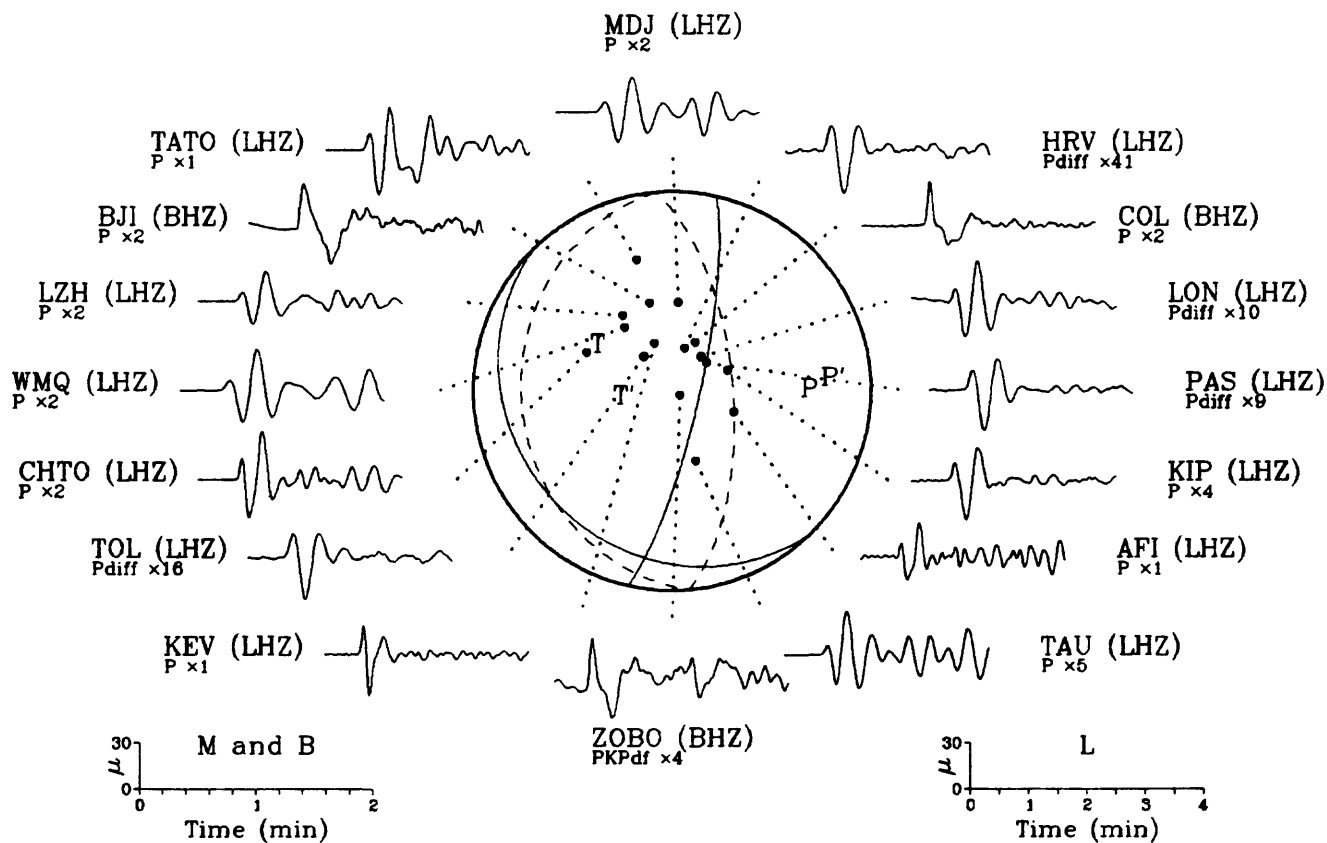


04 November 1991 06:24:02.60  
New Britain Region, P.N.G.

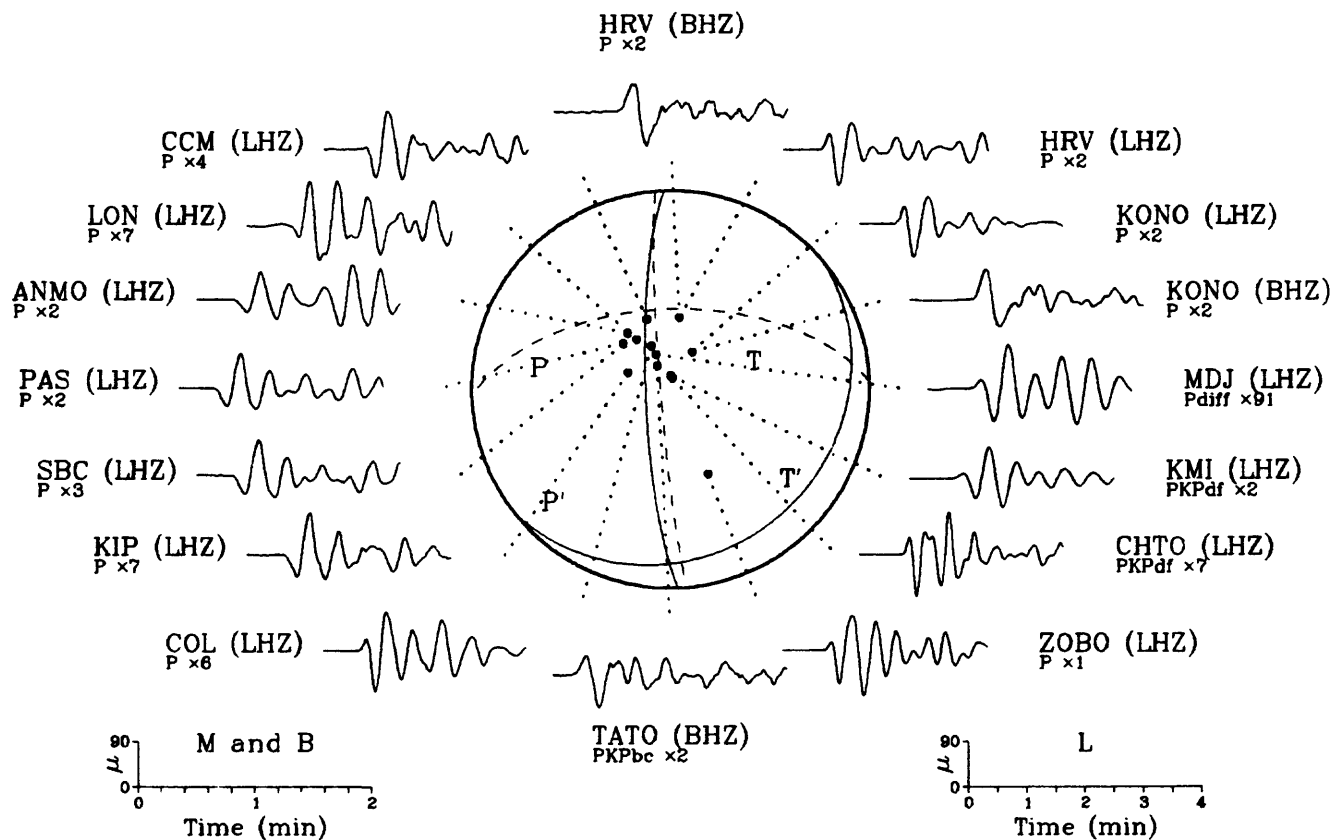
GUMO (LHZ)  
P × 1



13 November 1991 11:12:13.24  
Mindanao, Philippine Islands

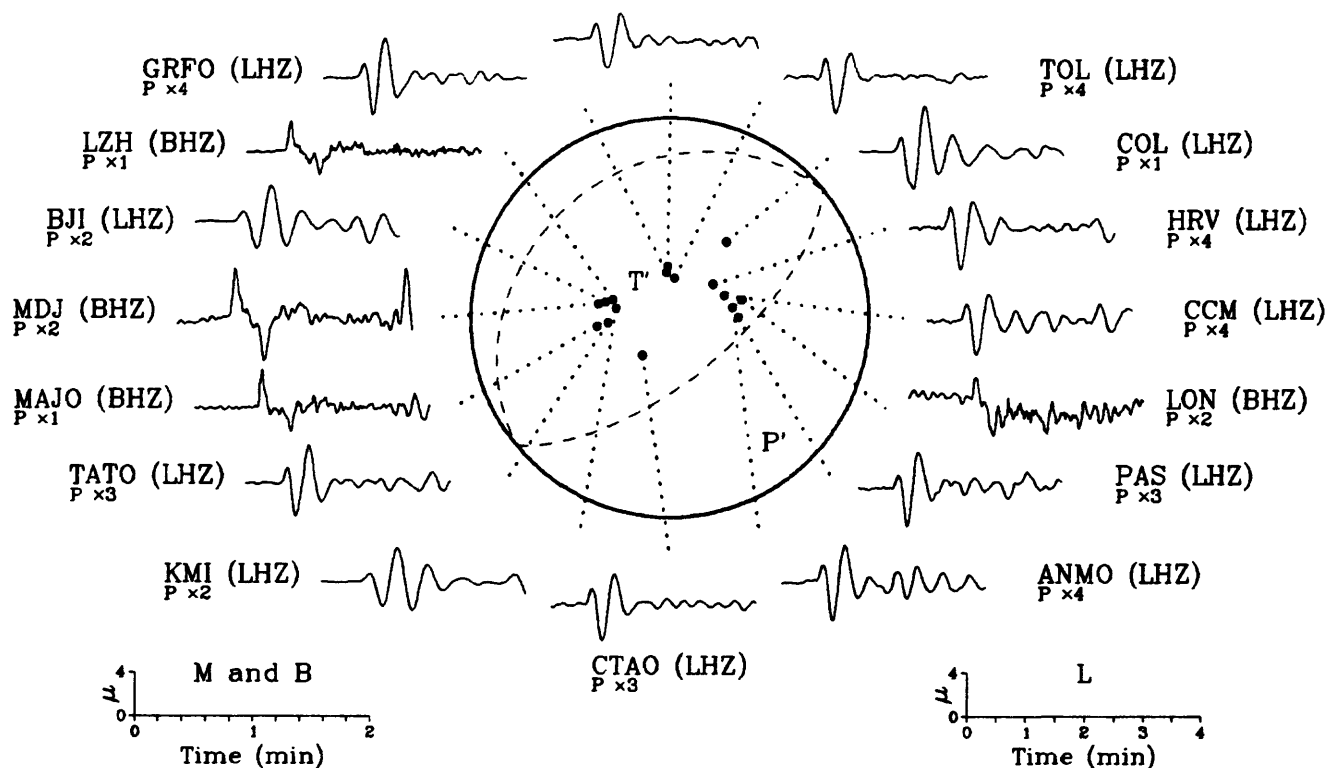


19 November 1991 22:28:51.09  
Near West Coast of Colombia



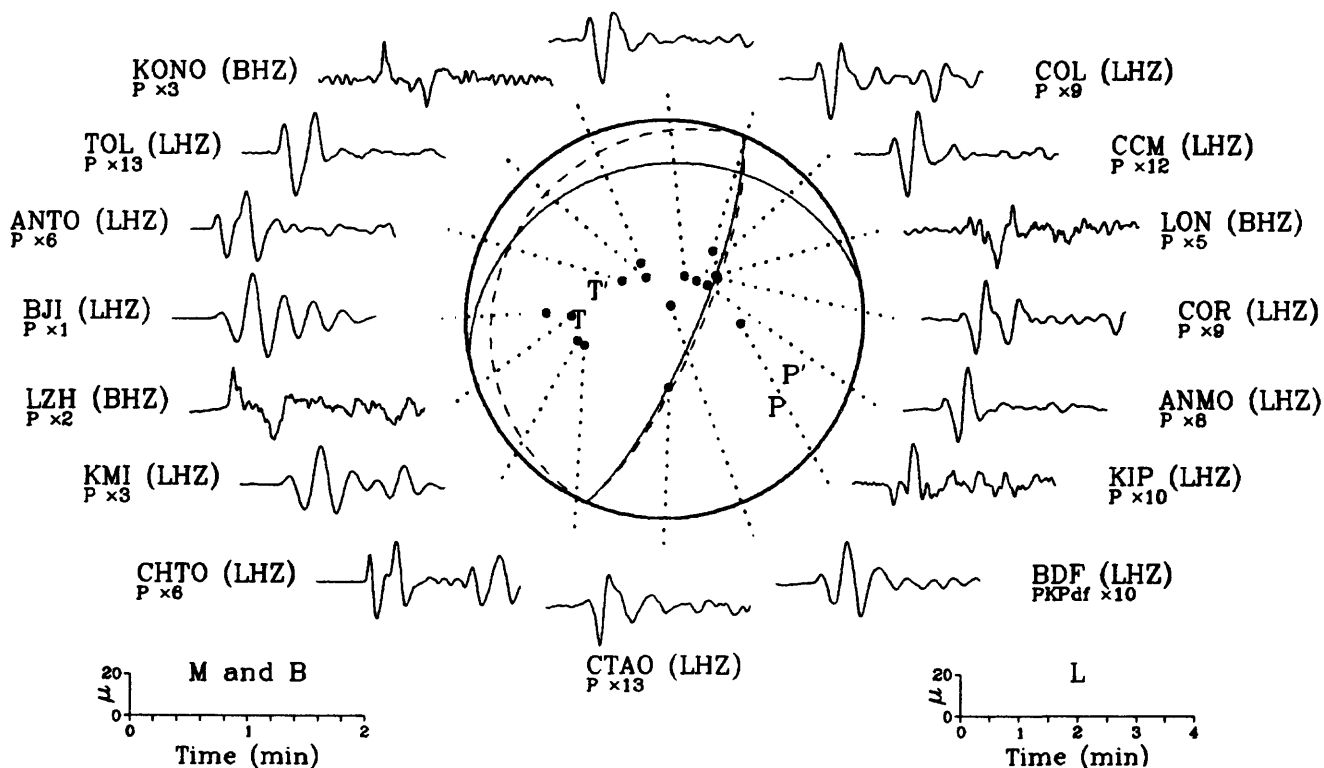
26 November 1991 10:41:32.00  
 Andreanof Islands, Aleutian Is.

KONO (LHZ)  
 $P \times 2$

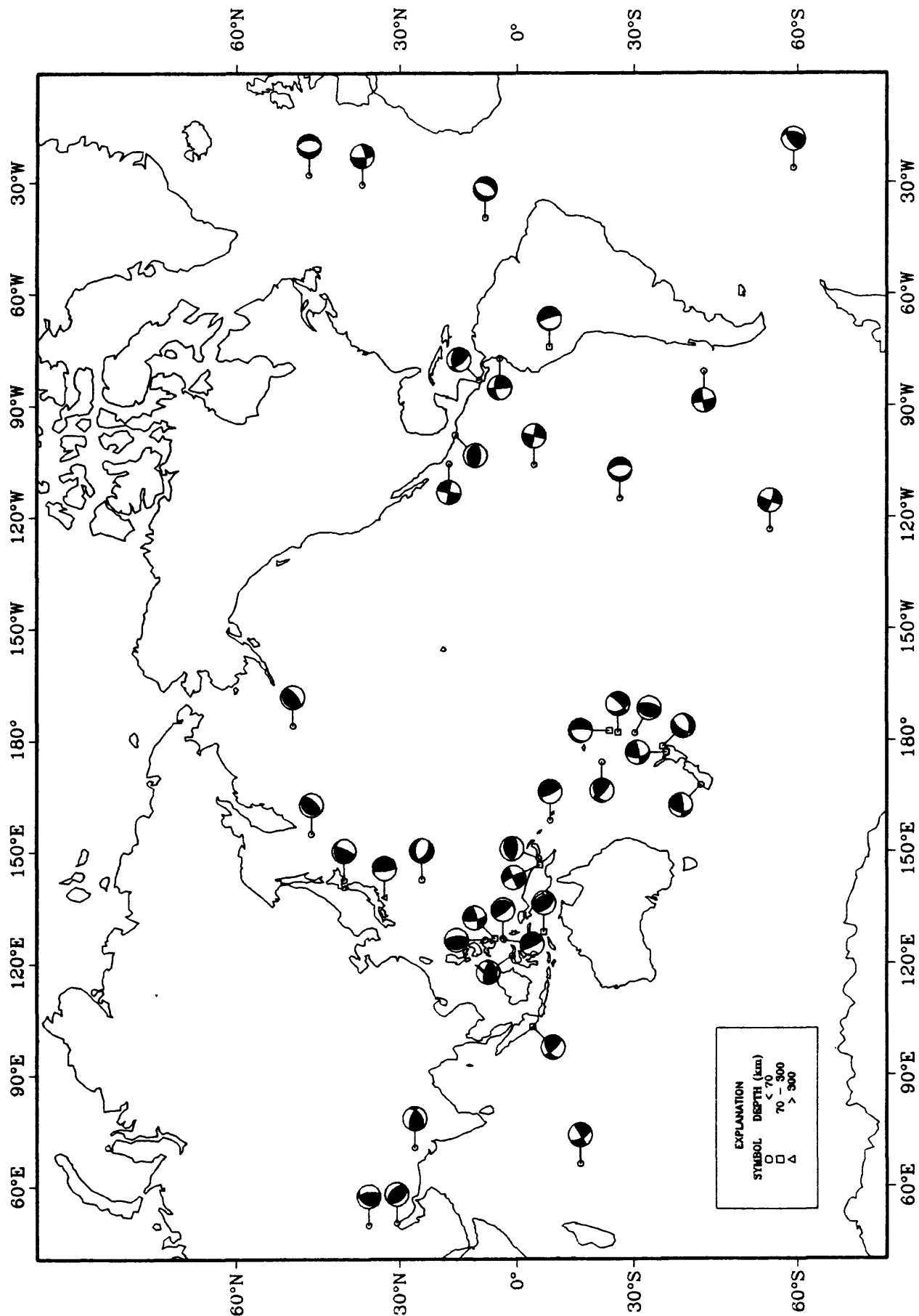


26 November 1991 19:40:48.57  
 Hokkaido, Japan Region

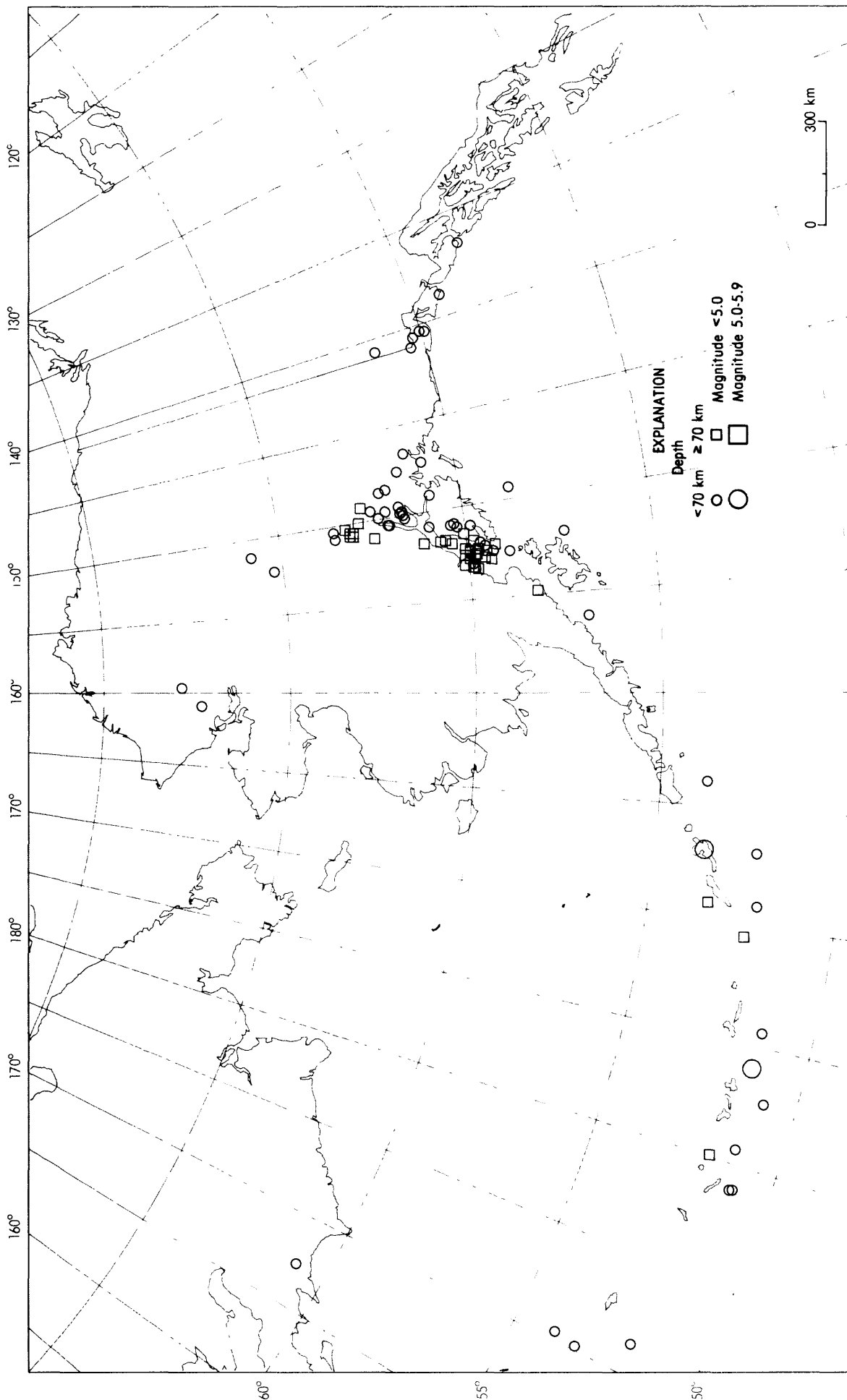
HRV (LHZ)  
 $P \times 15$



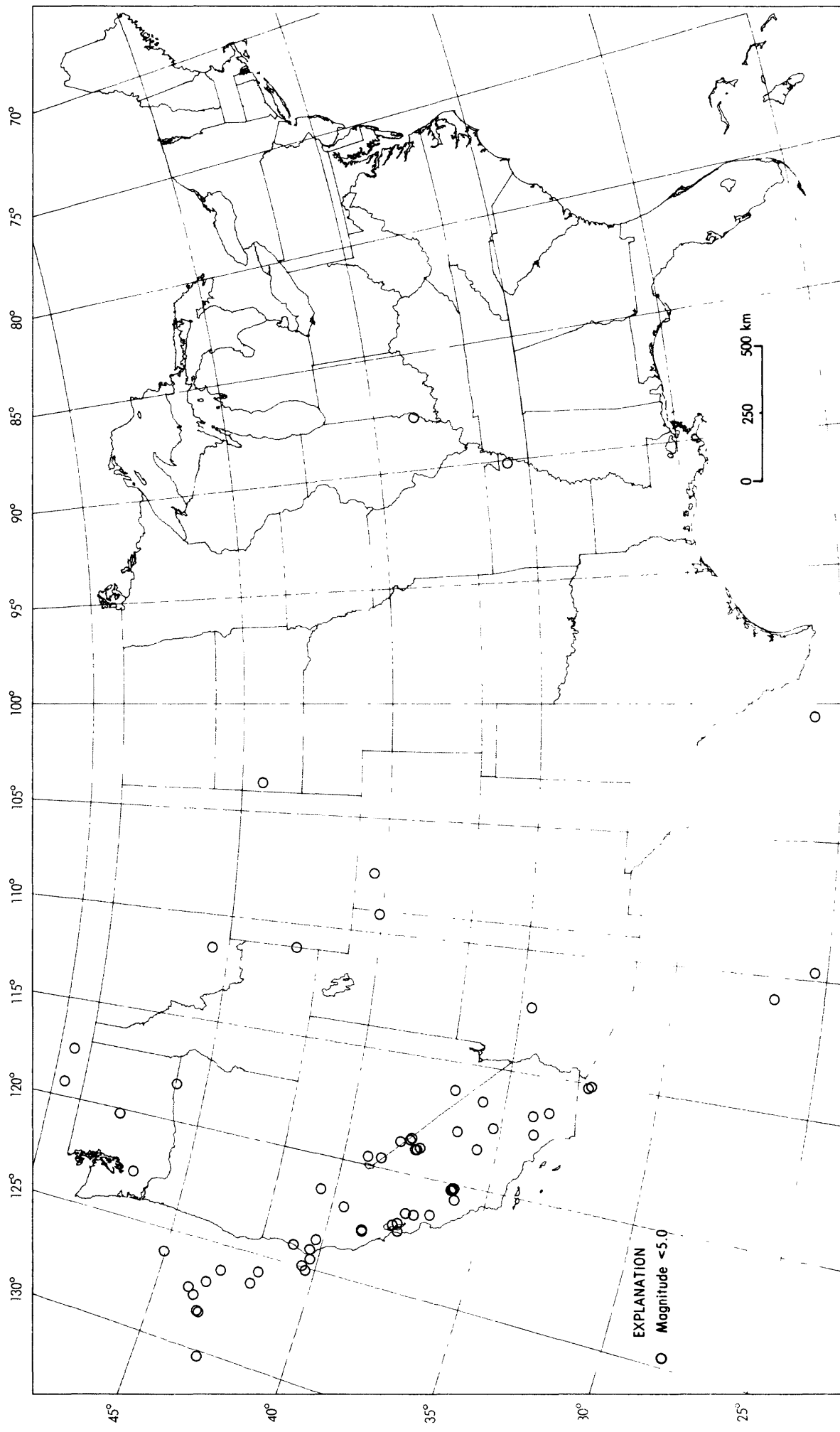
# Earthquake Focal Mechanisms for November 1991



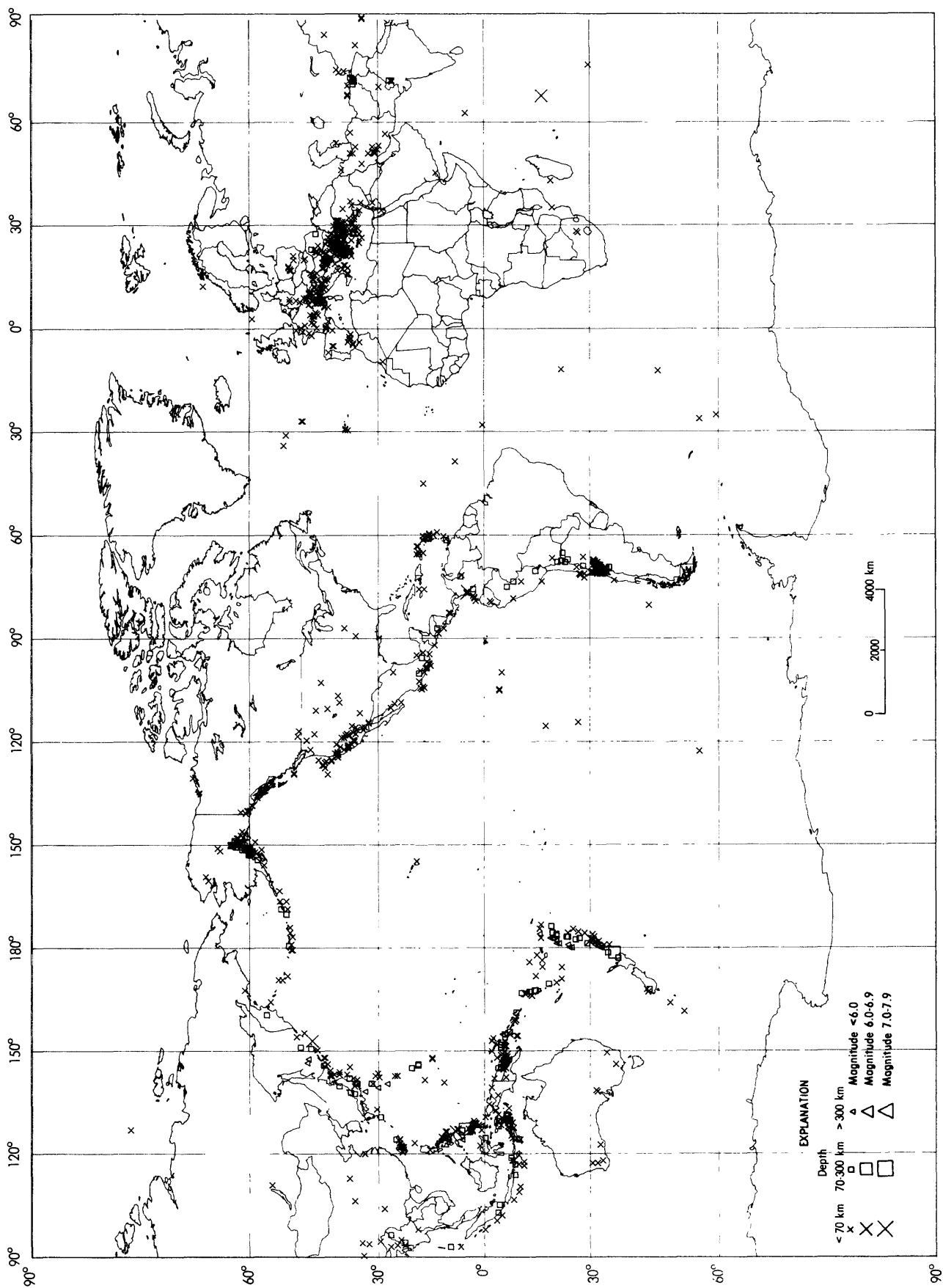




Earthquake epicenters in Alaska and adjacent regions for November, 1991 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for November, 1991 (C. Stover).



Earthquakes located in November, 1991 (C. Stover).



# **National Earthquake Information Center**

## **World Data Center A for Seismology**



**U.S. Geological Survey**  
**Box 25046, DFC, MS-967**  
**Denver, Colorado 80225 USA**  
**Telex: (WUTCO) 5106014123ESL UD**

## **NOTICE**

Effective May 11, 1992,  
our telephone number will be changed

### **Old Numbers:**

**Voice        303-236-1500**  
**Fax         303-236-1519**

### **New Numbers:**

**Voice        303-273-8500**  
**Fax         303-273-8450**

The telephone number for the 24-hour recorded message  
will also change from 303-271-0245 to 303-273-8516.