

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

APRIL - JUNE 1991

NATIONAL EARTHQUAKE INFORMATION CENTER

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1991



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APRIL 1991

K E Y	DAY	ORIGIN TIME			GEOGRAPHIC COORDINATES		DEPTH	MAGNITUDES			SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
		UTC	HR	MIN	SEC	LAT	LONG	GS	MB	MsZ			
	01	01 40 46.3*				51.126 N	15.904 E	10 G				1.2	6 POLAND
a	01	01 59 04.7				16.550 S	172.591 W	33 N	5.3	5.0		1.2	120 SAMOA ISLANDS REGION. Mo=3.0*10**17 Nm (PPT).
	01	02 03 59.3&				62.449 N	150.709 W	83				53	CENTRAL ALASKA. <AEIC>.
	01	03 17 34.5*				1.066 N	98.306 E	33 N	4.7			0.9	11 NORTHERN SUMATERA
	01	03 40 17.5*				37.251 N	57.408 E	33 N	4.5			0.8	13 IRAN-USSR BORDER REGION
a	01	03 53 04.6				15.746 N	95.738 E	15 D	5.4	6.1		1.0	187 SOUTH BURMA. Felt in western Thailand.
	01	04 02 18.7*				21.714 S	66.632 W	222 *	3.9			1.2	7 SOUTHERN BOLIVIA
	01	04 40 41.2*				39.655 N	143.899 E	33 N	4.2			0.5	7 OFF EAST COAST OF HONSHU, JAPAN
a	01	05 03 58.7				22.359 N	106.994 W	10 G	4.8	5.5		1.4	60 NEAR COAST OF CENTRAL MEXICO
	01	05 05 30.5				19.323 S	177.681 W	448	4.6			0.9	36 FIJI ISLANDS REGION
a	01	05 25 27.0				4.919 S	152.018 E	90 G	6.0			0.9	322 NEW BRITAIN REGION. Felt (IV) at Rabaul. Depth from broadband displacement seismograms.
	01	05 45 20.8				15.844 N	95.701 E	13 D	5.4	5.4		1.0	155 SOUTH BURMA
	01	06 32 53.5%				39.246 N	23.509 E	10 G				0.6	9 AEGEAN SEA. MD 2.6 (THE).
	01	06 41 26.8&				34.140 N	117.740 W	11				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt at Pomona.
a	01	07 34 45.9				16.175 N	98.278 W	21 D	5.5	5.4		1.1	203 NEAR COAST OF GUERRERO, MEXICO. Ms 5.4 (PAS). Mo=3.0*10**17 Nm (PPT). Felt at Mexico City and in parts of Oaxaca.
	01	07 48 26.1*				16.287 N	98.067 W	57 *	3.6			1.0	14 NEAR COAST OF GUERRERO, MEXICO
	01	08 02 16.9?				15.47 N	98.23 W	33 N				0.7	5 OFF COAST OF GUERRERO, MEXICO
	01	08 49 30.0				6.515 S	143.978 E	45 *	4.1			0.8	12 PAPUA NEW GUINEA
a	01	09 01 31.4				16.279 N	98.101 W	44	5.1	4.8		0.9	98 NEAR COAST OF GUERRERO, MEXICO. Felt at Mexico City and in parts of Oaxaca.
	01	09 45 48.0?				33.78 S	68.64 W	160 *				0.8	13 MENDOZA PROVINCE, ARGENTINA
	01	10 10 32.2				45.669 N	26.499 E	174	3.6			0.8	26 ROMANIA
	01	10 41 46.1&				61.189 N	151.236 W	55					41 SOUTHERN ALASKA. <AEIC>.
	01	10 55 19.7?				52.66 N	169.83 W	33 N	4.3			1.0	9 FOX ISLANDS, ALEUTIAN ISLANDS
	01	11 07 35.7?				40.54 N	22.75 E	10 G				0.3	4 GREECE. MD 2.2 (THE).
	01	11 12 32.7*				41.121 N	22.450 E	10 G				0.2	5 YUGOSLAVIA. ML 2.0 (SKO). MD 2.3 (THE).
	01	11 47 07.7				40.520 N	22.777 E	10 G				1.0	10 GREECE. MD 2.2 (THE).
	01	11 49 54.1%				40.512 N	22.740 E	10 G				0.5	8 GREECE. MD 2.4 (THE).
	01	12 33 31.4?				15.41 N	98.13 W	48 ?	3.7			1.0	7 OFF COAST OF GUERRERO, MEXICO
	01	13 01 06.9				0.153 S	78.425 W	17	4.6			1.1	23 ECUADOR. Felt (V) at Quito.
	01	13 53 02.7				40.520 N	22.705 E	10 G				0.7	9 GREECE. ML 2.1 (SKO). MD 2.5 (THE).
	01	14 05 28.1?				40.48 N	22.73 E	10 G				0.1	4 GREECE
	01	14 43 19.2				16.956 N	94.204 W	147	4.6			1.0	43 OAXACA, MEXICO
	01	15 16 22.6				40.523 N	22.697 E	10 G				0.6	7 GREECE
a	01	16 54 28.2				6.076 S	147.661 E	70 *	5.5			1.1	65 EAST PAPUA NEW GUINEA REGION
	01	17 16 41.8*				33.362 S	70.509 W	92 ?				0.4	9 CHILE-ARGENTINA BORDER REGION. Felt (II) in the Santiago area.
	01	18 26 34.1				39.880 N	143.621 E	28 D	4.8	4.3		1.0	75 OFF EAST COAST OF HONSHU, JAPAN
	01	18 34 36.2				39.859 N	143.682 E	21	4.7			0.9	56 OFF EAST COAST OF HONSHU, JAPAN
	01	18 52 40.4				34.579 N	27.707 E	71 *	4.1			1.0	27 EASTERN MEDITERRANEAN SEA. MD 4.4 (ATH).
	01	19 11 52.7%				42.418 N	19.292 E	10 G				0.8	9 YUGOSLAVIA. ML 2.1 (TTG).
	01	19 16 16.3*				38.385 N	21.989 E	10 G				1.3	11 GREECE. MD 3.1 (ATH).
	01	19 34 39.5				40.680 N	23.359 E	10 G				0.7	13 GREECE. ML 2.1 (SKO).
	01	20 13 21.5*				17.966 N	101.286 W	33 N	3.1			0.1	5 NEAR COAST OF GUERRERO, MEXICO
	01	21 00 58.6				40.513 N	22.729 E	10 G				0.8	9 GREECE
	01	22 21 15.1*				13.654 N	120.581 E	33 N	4.5			0.6	12 MINDORO, PHILIPPINE ISLANDS
	01	22 23 46.6				43.204 N	145.534 E	70 D	4.6			1.1	43 HOKKAIDO, JAPAN REGION
	01	22 33 42.0*				36.323 N	141.979 E	27	4.7			1.3	34 NEAR EAST COAST OF HONSHU, JAPAN
	01	22 45 19.6				44.548 N	7.280 E	10				0.3	23 NORTHERN ITALY. ML 2.4 (LDG), 2.3 (GEN). MD 1.6 (STR).
	01	23 16 20.1%				40.520 N	22.725 E	10 G				0.2	5 GREECE
	01	23 47 46.3				43.200 N	0.891 W	25				0.9	60 PYRENEES. ML 4.2 (LDG). mbLg 3.5 (MDD). Felt (V) at Larrau, France and (IV) at Valcarlos, Spain. Also felt (II) in the Biarritz area, France.
	01	23 50 32.2?				41.95 N	23.21 E	10 G				0.7	5 GREECE-BULGARIA BORDER REGION

02	00 03 51.0	43.054 N	0.660 W	10 G	0.9	12	PYRENEES. ML 2.3 (LDG). Felt at Laguigue, France.
02	00 36 31.5*	18.944 S	69.640 W	128 *	3.8	1.1	6 NORTHERN CHILE
02	00 52 05.3	41.069 N	22.451 E	10 G	0.4	8	YUGOSLAVIA. ML 1.8 (SKO).
02	02 19 01.1&	60.810 N	149.590 W	42		43	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC). Felt (III) at Hope.
02	02 20 54.8*	3.712 S	138.628 E	33 N	4.6	1.0	6 WEST IRIAN
02	02 21 18.5?	34.35 N	26.05 E	33 N		0.5	4 CRETE. MD 3.7 (ATH).
02	02 27 18.2%	40.533 N	22.726 E	10 G		0.2	5 GREECE
02	02 32 20.3*	2.984 S	119.554 E	31 *	4.4	0.7	7 SULAWESI
02	04 21 47.7&	60.755 N	151.364 W	62		38	KENAI PENINSULA, ALASKA. <AEIC>.
02	04 46 24.8&	34.010 N	118.330 W	7		17	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt in the Los Angeles area.
02	05 32 14.9?	15.37 N	98.13 W	33 N		1.3	6 OFF COAST OF GUERRERO, MEXICO
a 02	06 21 33.2	31.169 S	177.848 W	39 D	5.1 4.7	1.5	44 KERMADEC ISLANDS REGION
02	08 19 51.0&	59.910 N	152.913 W	92			31 SOUTHERN ALASKA. <AEIC>.
02	08 21 37.0	22.591 N	121.528 E	10 G	4.4	1.3	27 TAIWAN REGION. ML 4.6 (BJI).
02	08 25 22.7&	60.702 N	151.572 W	69	3.5		81 KENAI PENINSULA, ALASKA. <AEIC>. Felt (III) at Sterling.
02	09 02 10.1*	13.832 N	59.014 W	10 G		0.5	17 WINDWARD ISLANDS. ML 4.4 (FDF). MD 4.1 (TRN).
02	10 56 02.6&	62.220 N	151.732 W	99			30 CENTRAL ALASKA. <AEIC>.
02	12 13 41.6	44.493 N	7.301 E	10 G		0.5	12 NORTHERN ITALY. ML 2.1 (GEN).
02	12 42 14.6?	0.19 N	79.04 W	10 G		0.2	7 NEAR COAST OF ECUADOR. MD 3.1 (QUI).
02	12 51 59.5	36.603 N	71.015 E	235 *	4.7	1.0	32 AFGHANISTAN-USSR BORDER REGION
02	12 55 39.8*	42.600 N	24.117 E	10 G		1.5	9 BULGARIA
02	13 29 16.5?	45.79 N	26.74 E	121 ?		1.1	11 ROMANIA
02	15 41 16.9&	59.539 N	153.435 W	113			34 SOUTHERN ALASKA. <AEIC>.
02	16 05 53.1?	4.45 S	145.16 E	33 N	4.7	1.5	5 NEAR COAST OF PAPUA NEW GUINEA. ML 4.8 (PMG).
02	18 00 12.6	39.489 N	80.536 E	10 G	5.2 4.1	0.7	135 SOUTHERN XINJIANG, CHINA
02	18 05 49.2*	27.340 N	139.724 E	506 ?	4.3	0.9	19 BONIN ISLANDS REGION
02	19 21 45.8	46.471 N	5.380 E	10 G		1.4	15 FRANCE. ML 2.7 (LDG). MD 2.7 (STR).
02	19 39 12.7?	30.75 S	68.88 W	10 G		1.2	6 SAN JUAN PROVINCE, ARGENTINA
02	19 52 24.8?	13.76 S	35.76 E	33 N		1.2	5 MOZAMBIQUE. mblg 3.8 (BUL).
02	20 01 42.3?	47.26 N	113.14 W	5 G		0.2	5 MONTANA. ML 3.0 (BUT).
02	21 50 06.5%	23.917 N	121.764 E	10 G		0.5	5 TAIWAN
02	22 07 13.7&	60.248 N	152.819 W	123			42 SOUTHERN ALASKA. <AEIC>.
02	23 54 21.8?	17.71 N	145.78 E	33 N	4.6	1.5	12 MARIANA ISLANDS
03	02 05 53.9?	43.59 N	147.55 E	33 N	4.2	1.0	6 KURIL ISLANDS
a 03	02 59 22.4	1.835 S	135.680 E	33 N	5.1 4.6	1.3	31 WEST IRIAN REGION
03	03 35 29.9&	59.853 N	153.283 W	126	2.7		73 SOUTHERN ALASKA. <AEIC>.
03	04 07 28.7*	26.371 N	128.589 E	93 ?	4.2	1.1	23 RYUKYU ISLANDS
03	04 52 48.4*	13.997 N	87.966 W	28 *	4.3	1.0	21 HONDURAS. Felt (III) at San Salvador, El Salvador.
03	05 52 14.1	40.532 N	22.752 E	10 G		0.5	9 GREECE. MD 2.2 (THE).
03	06 17 16.9%	0.183 S	78.366 W	10 G		0.2	6 ECUADOR. MD 3.9 (QUI).
03	07 00 52.2*	15.461 N	93.467 W	102 *	3.7	1.0	11 NEAR COAST OF CHIAPAS, MEXICO
03	07 01 00.2%	40.439 N	23.620 E	10 G		0.6	7 GREECE
03	07 16 09.1*	13.406 N	87.957 W	33 N	4.7	1.1	12 HONDURAS. Felt (III) at San Salvador, El Salvador.
03	07 32 14.6%	15.411 N	60.473 W	33 N		0.5	10 LEEWARD ISLANDS. ML 3.0 (FDF).
03	08 59 29.7*	6.183 S	147.939 E	94 *	5.0	1.5	20 EAST PAPUA NEW GUINEA REGION
03	12 00 41.0?	32.48 N	61.15 E	33 N	4.2	1.2	8 SOUTHWESTERN AFGHANISTAN. ML 4.1 (TEH). Felt at Birjand, Iran.
03	12 47 28.0?	19.89 S	176.40 W	324 *	4.7	1.0	14 FIJI ISLANDS REGION
03	13 09 34.8%	42.768 N	19.197 E	10 G		0.3	8 YUGOSLAVIA. ML 1.2 (TTG).
03	13 43 11.3	39.311 N	20.772 E	10 G		0.7	10 GREECE-ALBANIA BORDER REGION
03	14 06 49.5?	3.00 S	129.77 E	33 N	4.7	1.5	6 CERAM
03	14 07 27.0	44.068 N	6.699 E	10 G		0.5	15 FRANCE. ML 2.4 (GEN).
03	15 11 21.1?	44.29 N	8.37 E	10 G		0.2	4 NORTHERN ITALY
03	15 13 34.2	42.439 N	13.500 E	9		0.8	30 CENTRAL ITALY. ML 3.0 (ROM).
03	15 22 32.7*	18.391 S	168.033 E	33 N	4.7 4.6	1.1	13 VANUATU ISLANDS
03	15 31 11.0?	16.02 N	99.31 W	17 *	3.5	0.1	6 NEAR COAST OF GUERRERO, MEXICO
03	16 01 03.1%	39.953 N	2.790 W	10 G		1.5	5 SPAIN. mblg 2.8 (MDD).
03	17 29 46.9&	35.460 N	118.320 W	9			30 CENTRAL CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt (III) at Weldon.
03	18 18 45.0&	60.418 N	152.252 W	100	2.8		66 SOUTHERN ALASKA. <AEIC>.
03	18 31 56.4*	51.283 N	179.360 W	33 N	4.8	1.1	16 ANDREANOF ISLANDS, ALEUTIAN IS.
03	20 22 20.7?	25.16 N	126.29 E	33 N	4.7	0.4	8 RYUKYU ISLANDS
03	20 27 39.3*	33.693 N	142.001 E	33 N	4.8	0.9	34 OFF EAST COAST OF HONSHU, JAPAN
03	20 47 34.4&	59.822 N	152.312 W	76			31 SOUTHERN ALASKA. <AEIC>.
03	20 53 11.7%	42.439 N	13.541 E	10 G		0.2	5 CENTRAL ITALY
03	21 31 21.6	41.474 N	20.374 E	10 G	3.5	1.1	47 ALBANIA. ML 3.5 (SKO). MD 2.9 (THE). Felt (IV) in the Debar area, Yugoslavia.
03	22 38 20.1	43.457 N	126.904 W	10 G	3.9	0.7	60 OFF COAST OF OREGON
03	23 24 20.2%	40.685 N	23.339 E	10 G		0.6	6 GREECE
03	23 32 26.8	27.932 S	66.807 W	208 *		0.9	14 CATAMARCA PROVINCE, ARGENTINA
03	23 36 18.1*	6.598 S	76.213 W	33 N	3.9	0.7	10 NORTHERN PERU
04	00 07 59.6*	20.455 S	177.909 W	538 ?	4.4	0.9	27 FIJI ISLANDS REGION
04	00 19 16.7&	34.040 N	117.230 W	15			11 SOUTHERN CALIFORNIA. <PAS-P>. ML 2.3 (PAS). Felt at Riverside.
04	00 36 53.5	42.348 N	19.433 E	10 G		0.6	9 YUGOSLAVIA. ML 1.2 (TTG).
04	02 38 31.8&	63.621 N	149.876 W	138			35 CENTRAL ALASKA. <AEIC>.
04	03 19 48.7	6.681 S	147.892 E	74 *	5.0	1.3	31 EAST PAPUA NEW GUINEA REGION
a 04	03 22 57.9	7.017 N	78.153 W	33 G	6.1 5.8	1.0	463 PANAMA. Ms 5.9 (BRK). 5.6 (PAS). MD 5.9 (UPA). Mo=2.0*10**18 Nm (PPT). Felt (IV) in the La Palma-Darien area and (III) at Panama City, Penonome and Los Santos. Also felt at Medellin, Colombia. Depth from broadband displacement seismograms.
04	03 41 21.2&	36.975 N	121.373 W	7			21 CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=4.8*10**14 Nm (BRK). Felt (III) at Saratoga and (II) at Aramas, Pacific Grove and Watsonville.
04	03 43 48.1&	62.814 N	149.527 W	77			53 CENTRAL ALASKA. <AEIC>.
04	04 29 04.2*	6.724 N	126.224 E	78 *	4.9	1.2	21 MINDANAO, PHILIPPINE ISLANDS
04	04 30 38.0?	8.55 S	129.82 E	165 ?	4.6	1.4	9 TIMOR SEA
04	05 27 20.5?	19.32 N	66.43 W	10 G		0.4	6 PUERTO RICO REGION
04	05 29 23.2*	18.846 N	145.277 E	190 *	4.8	0.8	20 MARIANA ISLANDS

04	05	52	24.8	44.763	N	7.460	E	23	0.6	20	NORTHERN ITALY. ML 2.3 (GEN), 2.2 (LDG).	
04	07	07	44.57	32.44	S	179.33	W	487 ?	4.2	0.7	21	SOUTH OF KERMADEC ISLANDS
04	09	00	36.5	42.940	N	146.958	E	38 *	4.8 3.9	1.2	45	OFF COAST OF HOKKAIDO, JAPAN
04	09	09	39.18	59.493	N	152.399	W	74			48	SOUTHERN ALASKA. <AEIC>.
04	09	36	40.38	63.634	N	150.328	W	12	2.6		46	CENTRAL ALASKA. <AEIC>. ML 3.2 (PMR), 2.9 (AEIC).
04	09	39	07.18	60.093	N	153.083	W	120			37	SOUTHERN ALASKA. <AEIC>.
04	10	23	22.67	42.46	N	23.73	E	5 G		0.3	6	BULGARIA
04	11	28	57.57	36.22	N	21.61	E	54 ?	3.3	1.0	16	SOUTHERN GREECE. MD 3.5 (ATH).
04	12	09	48.7	82.482	N	117.534	E	10 G	4.7 4.3	1.4	30	NORTH OF SEVERNAYA ZEMLYA
04	12	28	07.4	42.458	N	24.127	E	10 G		0.9	9	BULGARIA. MD 2.5 (THE).
04	12	43	50.77	61.274	N	4.739	E	10 G		0.5	8	SOUTHERN NORWAY. MD 2.3 (BER).
04	14	22	14.2	18.392	S	168.102	E	26 *	4.4	1.2	23	VANUATU ISLANDS
04	14	54	16.27	37.736	N	14.983	E	10 G		0.5	5	SICILY
04	15	10	08.6	55.646	S	124.422	W	10 G	5.3 5.3	1.1	47	EASTER ISLAND CORDILLERA. Mo=1.6*10**18 Nm (PPT).
f 04	15	23	20.7	6.038	S	77.130	W	21 G	6.0 6.3	1.0	356	NORTHERN PERU. Ms 6.4 (BRK), 5.9 (PAS). Mo=5.0*10**18 Nm (PPT). At least 10 people injured and 15 houses damaged (V) in the Rioja-Nuevo Cajamarca area. Felt (V) at Moyobamba and Tarapoto, (IV) at Chocapoyas and (III) at Chiclayo, Trujillo and Piura. Also felt (III) in El Oso Province and (II) at Guayaquil and Quito, Ecuador. Depth from broadband displacement seismograms.
04	15	38	18.88	56.485	N	156.388	W	25			5	ALASKA PENINSULA. <PAL>.
04	16	08	18.5	5.999	S	77.083	W	29 D	5.2	1.0	113	NORTHERN PERU
04	16	16	27.0	33.117	S	71.946	W	10 G		1.4	14	NEAR COAST OF CENTRAL CHILE
04	16	41	09.3	8.708	S	120.543	E	94 *	4.7	0.5	13	FLORES ISLAND REGION
04	16	58	22.88	63.250	N	150.947	W	13			34	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
04	17	56	15.7	7.440	S	107.450	E	78 ?	4.9	1.4	37	JAVA
04	18	24	52.9	28.309	S	70.867	W	106 ?		0.9	18	CENTRAL CHILE
04	18	27	41.5	37.056	N	73.393	E	33 N	4.0	1.0	14	TAJIK SSR
04	18	36	52.3	31.483	S	68.819	W	100 ?		1.0	12	SAN JUAN PROVINCE, ARGENTINA
04	19	00	00.08	37.296	N	116.313	W	0	5.6 4.2	205	SOUTHERN NEVADA. <DOE>. ML 5.4 (BRK). 37' 17' 45.85" N., 116' 18' 46.45" W., Surface Elev. 2145 m., Depth of Burial 600 m., Shot Time 190000.000, "BEXAR," Nevada Test Site (Dept. of Energy).	
04	19	02	53.5	39.643	N	18.459	E	33 N		1.2	32	SOUTHERN ITALY. ML 3.0 (TTG). MD 3.5 (ATH).
04	19	06	35.08	60.261	N	152.503	W	102			66	SOUTHERN ALASKA. <AEIC>.
04	20	09	04.5	6.071	S	76.993	W	47 *	4.2	1.0	14	NORTHERN PERU
04	20	11	24.37	31.04	S	68.25	W	33 N		1.4	5	SAN JUAN PROVINCE, ARGENTINA
04	20	33	23.67	16.35	N	61.06	W	33 N		0.4	5	LEEWARD ISLANDS. ML 2.6 (FDF).
04	20	42	34.27	16.30	N	61.06	W	33 N		0.2	5	LEEWARD ISLANDS. ML 2.0 (FDF).
04	20	43	08.7	45.728	N	14.883	E	10 G		1.3	16	YUGOSLAVIA. ML 3.0 (ZAG), 3.0 (VKA). MD 3.5 (LJU), 2.8 (TRI). Felt (V) at Kacervje.
04	21	45	02.7	8.890	S	124.091	E	33 N	4.6	1.1	12	TIMOR
04	21	56	27.98	36.647	N	121.313	W	5			11	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK).
04	22	19	53.5	23.677	N	121.663	E	10 G	3.7	0.7	6	TAIWAN
04	22	35	40.77	43.040	N	0.964	W	10 G		0.2	5	PYRENEES. MD 1.0 (STR).
04	22	37	29.57	40.837	N	22.366	E	10 G		0.4	5	GREECE
04	22	53	42.17	20.19	S	65.25	W	360 *	4.3	1.1	12	SOUTHERN BOLIVIA
04	22	54	41.3	6.013	S	77.088	W	42 ?	4.4	1.5	9	NORTHERN PERU
05	00	42	00.08	37.300	N	116.300	W	0 G			10	SOUTHERN NEVADA. <SPEC>. Collapse. Held to "BEXAR" location.
05	03	07	28.9	42.276	N	16.939	E	10 G		0.3	5	ADRIATIC SEA
05	03	09	50.07	46.052	N	2.776	E	10 G		0.3	11	FRANCE. ML 2.0 (LDG).
05	03	31	25.87	15.225	N	98.131	W	33 N		0.5	7	OFF COAST OF GUERRERO, MEXICO
05	04	02	16.17	15.47	N	98.13	W	45 ?	3.2	0.8	8	OFF COAST OF GUERRERO, MEXICO
f 05	04	19	49.5	5.982	S	77.094	W	20 G	6.5 6.8	1.0	534	NORTHERN PERU. Ms 6.7 (BRK), 6.4 (PAS). Mo=5.0*10**19 Nm (PPT). Fifty-three people killed, 252 injured and extensive damage (VII) to 8,063 homes in the Rioja-Moyobamba-Nuevo Cajamarca area. Felt (VI) at Tarapoto, (V) at Chiclayo, (IV) at Trujillo and (II) at Lima. Felt throughout northern Peru. Felt (IV) at Guayaquil and (III) at Quito, Ecuador. Felt strongly in much of southern Ecuador. Two events about 6 seconds apart. Depth from broadband displacement seismograms, based on second event.
05	04	21	27.07	15.38	N	98.11	W	33 N		1.1	6	OFF COAST OF GUERRERO, MEXICO
05	04	30	35.87	17.75	N	99.81	W	33 N		1.5	8	GUERRERO, MEXICO. Felt at Apaxtla.
05	05	01	10.3	5.810	S	77.339	W	24 D	5.5	0.8	165	NORTHERN PERU. Felt in the Rioja-Nuevo Cajamarca-Moyobamba area.
05	05	20	24.0	5.773	S	77.146	W	33 N	4.9	0.7	37	NORTHERN PERU
05	05	29	53.0	5.799	S	77.214	W	33 N	5.0	1.0	43	NORTHERN PERU
05	05	29	55.77	12.13	N	89.59	W	33 N	4.0	0.3	6	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.
05	05	38	17.8	29.085	N	51.345	E	35 *	4.9	1.0	57	SOUTHERN IRAN. Felt at Barazjan.
05	05	46	45.4	5.583	S	77.459	W	33 N	4.7	1.0	23	NORTHERN PERU
05	05	53	39.1	5.774	S	77.071	W	33 N	4.8	0.8	31	NORTHERN PERU
05	06	01	50.97	5.58	S	76.76	W	33 N	4.4	0.8	15	NORTHERN PERU
05	06	10	38.3	36.273	N	3.413	W	10 G		0.6	7	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
05	06	31	51.87	60.36	N	5.25	E	10 G		0.4	4	SOUTHERN NORWAY. MD 1.1 (BER).
05	06	45	54.8	5.548	S	77.412	W	33 N	4.8	1.1	40	NORTHERN PERU
05	06	54	12.27	5.40	S	77.05	W	33 N	4.7	0.6	16	NORTHERN PERU
05	07	02	03.58	58.801	N	152.991	W	65			39	KODIAK ISLAND REGION. <AEIC>.
05	07	09	12.9	38.298	N	22.655	E	13		0.9	17	GREECE. ML 3.2 (ATH).
05	07	31	37.27	8.88	S	109.75	W	10 G	4.7	1.5	24	NORTHERN EASTER I. CORDILLERA
05	08	05	52.0	11.832	S	158.670	E	85 D	5.1	0.6	15	SOLOMON ISLANDS REGION
05	09	13	46.3	43.977	N	149.583	E	33 N	4.3	1.0	9	KURIL ISLANDS REGION
05	09	15	28.8	29.138	N	51.399	E	39 *	5.1 4.6	1.1	68	SOUTHERN IRAN. Felt in the Kangan area.
05	10	13	07.0	7.213	S	147.432	E	59 *	4.8	1.0	19	EAST PAPUA NEW GUINEA REGION
05	10	41	37.17	45.093	N	7.150	E	10 G		0.6	5	NORTHERN ITALY. ML 1.9 (GEN).
05	11	12	25.2	5.647	S	76.885	W	33 N	4.4	0.8	16	NORTHERN PERU
05	11	23	29.9	17.958	S	178.732	W	657 ?	4.8	0.7	40	FIJI ISLANDS REGION
05	11	52	10.3	6.862	N	95.208	E	230	5.2	1.1	55	NICOBAR ISLANDS REGION
05	13	40	23.7	5.714	S	76.987	W	29 D	4.8 4.5	1.2	37	NORTHERN PERU

05	14 43 28.2	40.510 N	22.736 E	10 G	0.2	9	GREECE
05	15 32 30.1	40.494 N	22.767 E	10 G	0.7	11	GREECE. MD 3.1 (THE).
05	15 47 17.8	40.518 N	22.781 E	10 G	1.0	12	GREECE. MD 2.6 (THE).
05	15 48 26.0	40.512 N	22.749 E	10 G	0.5	12	GREECE. MD 2.7 (THE).
o 05	15 50 47.3	14.230 S	75.511 W	50 G 5.7 5.8	1.2	247	NEAR COAST OF PERU. Mo=2.0*10**18 Nm (PPT). Some damage (VI) at Ica and Nazca. Felt (IV) at Canete and Lima. Depth from broadband displacement seismograms.
05	16 33 23.0%	40.574 N	22.632 E	10 G	0.6	7	GREECE
05	16 48 13.9	40.506 N	22.726 E	10 G	0.3	8	GREECE. MD 2.3 (THE).
05	17 13 57.2	6.089 S	77.002 W	43 5.2	1.0	105	NORTHERN PERU
05	17 50 07.5*	5.856 S	77.204 W	33 N 4.4	0.6	9	NORTHERN PERU
05	18 08 26.47	32.80 N	35.26 E	10 G	0.2	8	DEAD SEA REGION
o 05	18 34 53.2	54.592 S	132.516 W	10 G 5.2 5.5	1.2	40	SOUTH PACIFIC CORDILLERA. Ma=1.0*10**18 Nm (PPT).
05	18 36 20.07	58.92 N	2.35 E	10 G	0.6	8	NORTH SEA. MD 2.8 (BER). ML 2.1 (NAO).
05	19 05 14.2*	10.075 N	69.430 W	33 N 3.3	1.4	8	VENEZUELA. Felt at Quibor and Barquisimeto.
05	20 29 47.3	1.864 S	138.720 E	33 N 5.0	0.7	33	NEAR N. COAST OF WEST IRIAN
05	20 37 29.2	6.051 S	76.902 W	32 D 4.6	1.0	15	NORTHERN PERU
05	20 52 53.48	60.014 N	149.858 W	37	39	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).	
05	21 13 38.98	63.578 N	153.029 W	27	50	CENTRAL ALASKA. <AEIC>. ML 3.6 (PMR), 3.3 (AEIC).	
05	21 38 29.9*	5.621 S	76.990 W	33 N 4.8	0.7	10	NORTHERN PERU
05	22 04 08.6*	31.651 S	68.728 W	98 ?	0.1	6	SAN JUAN PROVINCE, ARGENTINA
05	22 18 35.2%	40.497 N	22.760 E	10 G	0.4	6	GREECE
05	22 37 23.3	44.773 N	7.611 E	10 G	1.0	22	NORTHERN ITALY. ML 2.4 (LDG).
05	23 09 45.27	5.81 S	77.59 W	33 N 4.2	1.3	7	NORTHERN PERU
06	00 02 09.0*	13.918 N	90.470 W	33 N 4.9	1.1	16	NEAR COAST OF GUATEMALA
06	01 04 48.1%	40.535 N	22.725 E	10 G	0.1	5	GREECE
06	01 17 30.38	60.231 N	153.048 W	136 3.1	66	SOUTHERN ALASKA. <AEIC>.	
06	03 52 57.8*	39.349 N	26.340 E	10 G	1.0	10	TURKEY. MD 3.6 (ISK).
06	03 57 43.4*	5.607 S	77.149 W	33 N 4.7	1.2	11	NORTHERN PERU
06	04 20 21.5*	5.570 S	77.020 W	33 N 4.2	0.7	9	NORTHERN PERU
o 06	04 48 47.2	24.168 S	179.984 E	549 D 5.4	1.0	222	SOUTH OF FIJI ISLANDS
06	04 59 49.8	40.514 N	22.734 E	10 G	0.6	9	GREECE
06	05 49 41.2%	44.235 N	5.918 E	10 G	0.3	7	FRANCE. ML 2.2 (LDG).
06	05 55 36.2	41.934 N	20.493 E	10 G	0.9	19	ALBANIA. ML 3.0 (TTG).
06	06 04 17.1	41.050 N	22.412 E	10 G	0.3	6	YUGOSLAVIA. ML 1.3 (SKO).
06	06 14 23.5	6.069 S	147.635 E	78 5.2	0.9	54	EAST PAPUA NEW GUINEA REGION
06	06 27 35.38	60.245 N	152.114 W	70	47	SOUTHERN ALASKA. <AEIC>.	
06	06 28 39.6	25.358 S	69.135 W	112 * 4.3	0.7	9	NORTHERN CHILE
06	07 29 36.27	66.93 N	20.85 E	10 G	0.3	4	SWEDEN. MD 3.0 (BER).
06	07 46 33.77	45.72 N	14.89 E	10 G	0.9	4	YUGOSLAVIA. MD 2.1 (LJU). Felt (IV) at Kocvje.
06	09 36 41.5	40.997 N	22.400 E	10 G	0.5	9	GREECE. ML 2.0 (SKO).
06	11 00 25.08	62.706 N	150.669 W	84	52	CENTRAL ALASKA. <AEIC>.	
06	11 28 40.5	35.739 N	28.381 E	70 4.4	1.1	98	EASTERN MEDITERRANEAN SEA. MD 4.2 (HLW), 4.1 (ATH).
06	11 56 03.8	40.449 N	21.844 E	10 G	0.7	7	GREECE
06	12 44 25.2	26.208 S	69.628 W	70 * 4.6	1.2	29	NORTHERN CHILE
06	13 47 28.4%	44.323 N	7.381 E	10 G	0.2	5	NORTHERN ITALY. ML 1.7 (GEN).
06	14 21 47.2	6.040 S	76.998 W	40 5.1	1.0	82	NORTHERN PERU
o 06	14 34 20.7	15.008 S	175.521 W	16 D 5.8 6.7	1.1	233	TONGA ISLANDS. Ms 6.4 (BRK), 6.1 (PAS). Ma=3.0*10**19 Nm (PPT).
06	14 48 29.67	5.96 S	77.56 W	10 G 5.0	0.9	8	NORTHERN PERU
06	14 58 16.57	31.28 S	65.78 W	185 ?	0.7	14	CORDOBA PROVINCE, ARGENTINA
06	15 42 39.3%	43.627 N	11.046 E	10 G	0.5	6	CENTRAL ITALY. MD 2.8 (FIR).
06	16 30 31.8*	5.949 S	77.519 W	33 N 4.8	1.4	9	NORTHERN PERU. Felt at Rioja.
06	17 46 21.9*	37.602 N	68.779 E	33 N 4.2	0.9	12	AFGHANISTAN-USSR BORDER REGION
06	18 12 24.88	59.966 N	152.929 W	109 3.1	52	SOUTHERN ALASKA. <AEIC>.	
06	18 13 23.1*	5.774 S	77.081 W	33 N 4.7	1.4	13	NORTHERN PERU
06	19 52 04.57	27.53 N	52.28 E	33 N 4.2	1.3	8	SOUTHERN IRAN
06	21 55 14.5*	10.870 S	166.888 E	33 N 4.2 4.6	1.2	11	SANTA CRUZ ISLANDS
06	22 09 24.67	22.18 N	120.00 E	10 G	0.2	6	TAIWAN
06	22 20 56.3%	18.744 N	100.998 W	33 N	0.8	5	GUERRERO, MEXICO
06	22 57 54.67	39.88 N	23.07 E	10 G	0.2	4	AEGEAN SEA
06	23 05 38.27	47.17 N	6.77 E	10 G	0.0	4	FRANCE. ML 1.9 (LDG).
06	23 19 32.0*	5.865 S	77.027 W	46 * 4.0	1.5	16	NORTHERN PERU
06	23 33 41.8	46.015 N	14.900 E	10 G	0.9	12	YUGOSLAVIA. ML 2.7 (VKA), 2.6 (ZAG), 2.5 (VIE). MD 2.8 (LJU), 2.7 (TRI). Felt (IV) at Litija and Zagorje ob Savi.
07	00 40 55.9*	5.893 S	76.979 W	33 N 4.4	1.3	11	NORTHERN PERU
07	01 03 07.9*	9.728 S	74.634 W	139 * 4.6	1.0	34	PERU
07	02 29 26.4*	39.222 N	20.513 E	10 G	0.4	7	GREECE-ALBANIA BORDER REGION. MD 2.9 (ATH).
07	04 27 07.88	65.136 N	148.767 W	24	10	ALASKA. <AEIC>. ML 2.5 (AEIC).	
07	05 14 42.38	59.810 N	152.499 W	77 2.6	38	SOUTHERN ALASKA. <AEIC>.	
07	05 21 42.8	44.186 N	10.709 E	10 G	0.5	7	NORTHERN ITALY
07	06 14 32.7%	41.074 N	16.280 E	10 G	1.2	9	SOUTHERN ITALY
07	06 44 08.3	41.037 N	22.521 E	10 G	1.0	9	YUGOSLAVIA. ML 1.9 (SKO).
07	08 35 10.6*	51.671 N	16.305 E	10 G 3.6	1.1	10	POLAND. ML 3.6 (GRF), 3.3 (KBA).
07	08 43 58.0*	5.918 S	76.834 W	33 N 3.6	0.6	9	NORTHERN PERU
07	09 09 04.7	38.949 N	140.628 E	22 4.3	1.3	30	HONSHU, JAPAN
07	09 14 29.6%	33.438 S	71.363 W	10 G	0.9	6	NEAR COAST OF CENTRAL CHILE
o 07	09 39 36.6	16.304 N	97.476 W	25 D 5.2 4.5	1.0	129	OAXACA, MEXICO. Felt at Oaxaca.
07	09 40 51.3	59.266 S	149.191 E	10 G 4.9 5.0	1.3	15	WEST OF MACQUARIE ISLAND
07	09 57 28.9	44.256 N	10.680 E	10 G	0.3	6	NORTHERN ITALY
07	10 24 31.4*	17.092 N	100.933 W	10 G 3.1	1.3	8	GUERRERO, MEXICO
07	13 09 03.3	7.139 S	80.719 W	33 N 5.0 4.6	1.2	66	OFF COAST OF NORTHERN PERU. Felt (III) at Chiclayo.
07	13 26 06.8*	37.576 N	68.722 E	33 N 4.0	0.8	11	AFGHANISTAN-USSR BORDER REGION
07	13 44 29.3*	6.030 S	77.173 W	33 N 4.6	1.4	16	NORTHERN PERU
07	14 06 34.6%	42.763 N	12.524 E	10 G	1.1	13	CENTRAL ITALY
07	15 27 33.8	41.003 N	22.371 E	9	1.0	23	YUGOSLAVIA. MD 3.4 (ATH).
07	15 33 18.37	15.30 N	61.31 W	151 ?	0.5	9	LEEWARD ISLANDS
07	16 01 19.0	38.163 N	22.242 E	33 N	0.9	9	GREECE. ML 2.9 (ATH).
07	16 12 06.2	44.483 N	7.300 E	10 G	0.6	11	NORTHERN ITALY. ML 2.2 (GEN).
07	17 48 13.3	17.256 N	26.291 W	10 G 4.8	1.0	27	NORTH ATLANTIC OCEAN
07	18 31 52.4*	24.978 S	179.528 E	535 ? 5.0	1.0	14	SOUTH OF FIJI ISLANDS
07	18 49 31.57	40.93 N	20.74 E	10 G	1.6	5	GREECE-ALBANIA BORDER REGION. ML 1.9 (SKO).

07	18 55 19.5	3.100 S	130.356 E	29 D	5.6 5.4	1.2	140	CERAM
07	19 20 08.6	59.440 N	152.999 W	96			61	SOUTHERN ALASKA. <AEIC>.
07	20 18 10.0	8.551 S	159.319 E	78 ?	4.7	0.9	19	SOLOMON ISLANDS
07	20 29 23.3	39.70 N	22.73 E	10 G		0.7	4	GREECE
07	20 34 27.1	39.807 N	22.344 E	10 G		0.5	7	GREECE. MD 2.5 (ATH).
07	20 41 38.6	9.255 S	123.520 E	41 *	4.8	1.0	24	TIMOR
07	21 34 20.2	31.815 S	69.789 W	33 N		1.0	8	SAN JUAN PROVINCE, ARGENTINA
07	21 35 27.0	41.048 N	22.443 E	10 G		1.3	16	YUGOSLAVIA. ML 2.3 (SKO).
07	22 33 04.4	38.111 N	22.094 E	10 G	3.7	1.1	26	GREECE. ML 3.3 (ATH).
07	22 53 56.8	41.059 N	22.440 E	10 G		0.6	5	YUGOSLAVIA. ML 1.5 (SKO).
07	23 16 27.0	6.048 S	77.184 W	33 N	5.0	1.0	80	NORTHERN PERU
08	00 47 09.8	3.203 S	130.278 E	52 ?	4.9 4.5	1.2	51	CERAM
08	01 01 58.2	33.123 S	71.906 W	10 G		1.1	14	NEAR COAST OF CENTRAL CHILE
08	01 25 26.9	4.088 N	127.929 E	26 D	5.6 4.1	1.1	105	TALAUD ISLANDS
08	02 04 27.0	18.96 N	65.01 W	33 N		0.4	6	PUERTO RICO REGION
08	02 30 41.1	3.048 S	130.398 E	20 *	4.9 4.3	1.0	45	CERAM
08	02 56 04.8	39.116 N	27.985 E	10 G		0.3	7	TURKEY. MD 2.9 (ISK).
08	02 57 21.3	39.155 N	27.918 E	10 G		0.5	8	TURKEY. MD 2.9 (ISK).
08	03 05 41.2	33.136 S	72.010 W	10 G		1.3	13	OFF COAST OF CENTRAL CHILE
08	04 37 54.3	47.864 N	128.287 W	10 G	3.9		96	OFF COAST OF WASHINGTON. <PGC>.
08	04 48 08.1	37.498 N	118.822 W	14			13	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).
08	06 17 50.6	40.417 N	124.957 W	13			4	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
08	06 56 16.9	38.357 N	28.475 E	10 G		0.5	16	TURKEY. MD 3.3 (ISK).
08	07 18 13.1	19.472 N	64.886 W	10 G	3.6	0.7	8	VIRGIN ISLANDS
08	08 11 30.4	39.148 N	20.748 E	10 G		0.9	7	GREECE-ALBANIA BORDER REGION
08	08 50 45.3	18.506 N	62.357 W	48 *	4.4	0.9	33	LEEWARD ISLANDS
08	08 54 37.1	40.821 N	28.015 E	10 G		0.4	7	TURKEY. MD 2.7 (ISK).
08	09 10 52.1	40.816 N	29.638 E	10 G		0.7	5	TURKEY. MD 2.6 (ISK).
08	09 23 53.7	61.507 N	146.491 W	23			51	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
08	09 35 51.7	1.041 N	120.248 E	33 N	4.5	1.0	8	MINAHASSA PENINSULA
08	09 48 03.6	61.473 N	149.363 W	36			69	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.0 (PMR).
08	10 03 02.3	31.280 S	68.399 W	18		1.3	17	SAN JUAN PROVINCE, ARGENTINA
08	10 49 12.5	52.345 N	169.795 W	33 N	4.4	1.5	22	FOX ISLANDS, ALEUTIAN ISLANDS
08	10 51 21.3	52.173 N	169.721 W	33 N	4.4	1.5	20	FOX ISLANDS, ALEUTIAN ISLANDS
08	11 42 38.1	39.99 S	91.14 W	10 G	4.8	1.1	14	WEST CHILE RISE
08	13 29 12.2	39.120 N	27.611 E	10 G		0.4	5	TURKEY. MD 2.5 (ISK).
08	13 34 04.4	52.433 N	157.903 E	145 D	5.6	1.0	442	KAMCHATKA. mb 5.5 (BRK).
08	16 25 17.4	49.283 N	149.047 E	462 *	4.2	0.9	45	NORTHWEST OF KURIL ISLANDS
08	17 03 41.4	36.41 N	29.00 E	10 G		0.1	5	TURKEY. MD 3.4 (ISK).
08	17 04 43.1	10.242 S	119.509 E	82 ?	4.4	0.9	13	SUMBA ISLAND REGION
08	17 13 10.3	15.05 N	94.89 W	33 N	3.8	1.4	8	NEAR COAST OF OAXACA, MEXICO. Felt in southern Chiapas.
08	19 22 22.3	52.264 N	169.809 W	33 N	4.7 4.6	0.9	59	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
08	19 45 06.8	37.387 N	72.049 E	98 *	4.7	0.6	16	TAJIK SSR
08	19 53 02.7	5.739 S	77.105 W	33 N	4.7	1.2	12	NORTHERN PERU
08	20 22 19.4	34.805 N	27.893 E	33 *	3.8	1.3	39	EASTERN MEDITERRANEAN SEA. ML 4.4 (CSS). MD 3.9 (HLW).
08	20 52 09.5	44.438 N	7.409 E	14		0.5	20	NORTHERN ITALY. ML 2.5 (LDG), 2.3 (GEN).
08	20 58 30.3	44.002 N	7.620 E	10 G		0.5	7	NORTHERN ITALY. ML 1.8 (GEN).
08	21 08 19.7	32.497 N	142.277 E	69 ?	4.5	0.5	8	SOUTH OF HONSHU, JAPAN
08	21 41 54.1	33.81 S	179.54 W	33 N	4.6	1.0	10	SOUTH OF KERMADEC ISLANDS
08	21 45 40.7	52.082 N	158.585 E	33 N	4.9 4.1	0.9	68	NEAR EAST COAST OF KAMCHATKA
08	22 35 03.6	39.225 N	22.960 E	10 G		1.0	8	GREECE. MD 2.4 (THE).
08	23 09 13.3	33.831 S	70.168 W	131 ?		0.8	14	CHILE-ARGENTINA BORDER REGION
08	23 25 50.3	6.769 N	73.026 W	155 D	4.6	1.3	54	NORTHERN COLOMBIA
08	23 26 13.5	37.359 N	141.640 E	54	4.6	1.0	37	NEAR EAST COAST OF HONSHU, JAPAN
09	00 06 36.9	40.063 N	22.356 E	10 G		0.6	6	GREECE
09	00 09 11.5	5.853 S	76.849 W	33 N	4.9	1.0	11	NORTHERN PERU
09	00 24 39.4	39.346 N	28.033 E	10 G		0.5	18	TURKEY. MD 3.2 (ISK), 3.2 (ATH).
09	00 43 20.3	43.363 N	13.402 E	10 G		1.1	7	CENTRAL ITALY
09	01 40 38.2	34.856 S	15.217 W	10 G	4.6 4.7	1.3	12	TRISTAN DA CUNHA REGION
09	01 45 22.5	20.383 S	178.718 W	617	4.5	1.0	42	FIJI ISLANDS REGION
09	04 11 55.9	59.600 N	152.668 W	79			42	SOUTHERN ALASKA. <AEIC>.
09	04 45 38.1	54.09 N	163.59 W	33 N	4.1	0.8	11	UNIMAK ISLAND REGION
09	04 53 21.8	37.341 N	114.321 W	5 G		0.3	5	SOUTHERN NEVADA. CL 3.4 (SLC).
09	06 02 24.5	9.788 S	74.702 W	124 G	5.9	0.9	418	PERU. mb 6.3 (BRK). Felt (IV) at Chimbote, Huanuca and Tinga Maria. Depth from broadband displacement seismograms.
09	06 43 27.2	43.299 N	127.715 W	10 G		0.4	56	OFF COAST OF OREGON
09	06 45 22.4	37.056 N	71.712 E	73 ?	4.2	0.7	15	AFGHANISTAN-USSR BORDER REGION
09	06 53 02.6	39.435 N	31.143 E	10 G		0.6	7	TURKEY. MD 2.8 (ISK).
09	07 51 20.1	33.470 N	118.260 W	7			17	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
09	08 58 01.4	31.49 S	68.68 W	93 ?		0.2	5	SAN JUAN PROVINCE, ARGENTINA
09	09 03 43.9	43.083 N	0.597 W	10 G		0.8	6	PYRENEES. MD 1.0 (STR).
09	09 07 52.1	15.880 N	92.107 W	219 D	4.7	1.1	90	MEXICO-GUATEMALA BORDER REGION. Felt in southern Chiapas, Mexico.
09	09 26 29.9	39.106 N	27.636 E	10 G		0.4	5	TURKEY. MD 2.7 (ISK).
09	09 31 25.7	14.60 S	176.17 W	33 N	4.8 4.8	1.4	20	FIJI ISLANDS REGION
09	09 40 24.1	32.33 S	71.75 W	10 G		0.5	7	NEAR COAST OF CENTRAL CHILE
09	10 04 09.9	21.548 N	121.850 E	10 G	4.5 4.0	1.2	27	TAIWAN REGION. ML 4.2 (BJI).
09	10 46 13.8	52.177 N	169.540 W	33 N	4.6	0.9	30	FOX ISLANDS, ALEUTIAN ISLANDS
09	12 47 15.9	40.797 N	27.893 E	10 G		0.5	9	TURKEY. MD 2.8 (ISK).
09	12 49 44.5	42.747 N	19.164 E	10 G		0.4	9	YUGOSLAVIA. ML 1.3 (TTG).
09	13 15 35.0	61.338 N	151.450 W	68			43	SOUTHERN ALASKA. <AEIC>.
09	14 00 14.8	21.64 S	117.61 E	10 G	3.5	0.8	7	WESTERN AUSTRALIA
09	15 35 21.4	5.971 S	77.020 W	37	4.7 4.7	1.2	55	NORTHERN PERU
09	16 18 23.5	40.90 N	20.47 E	10 G		0.6	4	GREECE-ALBANIA BORDER REGION. ML 2.2 (SKO). MD 3.0 (ATH).
09	17 18 32.9	2.458 N	128.831 E	33 N	4.4	0.9	6	HALMAHERA
09	17 20 38.3	33.05 S	72.05 W	10 G		0.2	7	OFF COAST OF CENTRAL CHILE
09	17 41 30.9	6.009 S	77.115 W	10 G	4.6	1.4	12	NORTHERN PERU
09	18 12 32.4	32.73 S	72.22 W	10 G		0.5	7	OFF COAST OF CENTRAL CHILE
09	18 18 32.8	16.550 N	61.743 W	33 N		1.7	6	LEEWARD ISLANDS
09	18 28 40.2	13.59 N	90.71 W	33 N	3.6	0.9	6	NEAR COAST OF GUATEMALA. Felt (II) at San Salvador, El Salvador.

09	18	29	16.77	43.08	N	8.08	W	10	G	0.5	4	SPAIN. mbLg 2.7 (MDD).
09	19	56	42.7*	22.789	S	69.921	W	93	*	1.5	12	NORTHERN CHILE
09	20	25	22.4%	16.872	N	61.043	W	10	G	0.4	6	LEEWARD ISLANDS. ML 3.0 (FDF).
09	20	43	19.87	6.42	N	72.98	W	166	?	1.2	6	NORTHERN COLOMBIA. MD 4.5 (UPA).
09	21	03	07.2%	63.523	N	150.016	W	138			54	CENTRAL ALASKA. <AEIC>.
09	22	05	58.0	43.082	N	0.563	W	10	G	0.6	8	PYRENEES. ML 2.4 (LDG).
09	22	07	51.1*	7.800	N	126.901	E	70	*	1.0	21	MINDANAO, PHILIPPINE ISLANDS
09	22	59	11.6	26.358	N	93.025	E	67	*	1.2	26	EASTERN INDIA
09	23	27	55.6?	29.62	S	67.68	W	33	N	0.5	6	LA RIOJA PROVINCE, ARGENTINA
09	23	56	18.3?	6.90	S	128.66	E	194	?	1.1	10	BANDA SEA
10	00	07	48.9?	29.88	S	176.40	W	119	?	0.4	6	KERMADEC ISLANDS REGION
10	00	22	32.7?	44.50	N	145.93	E	33	N	1.2	19	HOKKAIDO, JAPAN REGION
10	01	08	39.6	37.359	N	36.221	E	10	G	1.3	277	TURKEY. MD 5.1 (ISK). ML 4.9 (CSS).
10	01	31	31.5	36.687	N	21.283	E	49	*	1.3	59	SOUTHERN GREECE. MD 3.9 (ATH).
10	03	14	58.8	2.748	N	128.632	E	231	*	0.6	26	HALMAHERA
10	05	53	22.7	31.738	S	71.644	W	10	G	0.3	12	NEAR COAST OF CENTRAL CHILE
10	05	55	16.7*	5.756	S	77.159	W	60	*	1.3	16	NORTHERN PERU
10	06	06	30.7?	30.562	S	121.413	E	10	G	0.7	7	WESTERN AUSTRALIA. Felt at Kolgoorlie.
10	09	01	16.7?	41.14	N	23.87	E	10	G	0.1	4	GREECE-BULGARIA BORDER REGION. MD 2.3 (THE).
10	09	25	50.9	43.198	N	2.517	W	10	G	0.8	11	SPAIN. ML 3.0 (LDG). mbLg 2.8 (MDD).
10	10	48	40.6%	62.724	N	150.307	W	84			86	CENTRAL ALASKA. <AEIC>.
10	11	10	41.1?	38.31	N	21.18	E	10	G	1.4	4	GREECE. ML 3.3 (ATH).
10	11	59	42.4	40.832	N	22.893	E	10	G	0.5	7	GREECE. ML 1.3 (SKO).
10	12	26	57.7	9.684	S	150.264	E	33	N	1.2	27	EAST PAPUA NEW GUINEA REGION
10	12	30	09.6%	41.410	N	24.624	E	10	G	0.9	5	GREECE-BULGARIA BORDER REGION
10	12	55	08.0*	20.273	S	177.724	W	525	*	0.8	20	FIJI ISLANDS REGION. MD 5.0 (SVA).
10	13	03	14.1	38.726	N	27.695	E	10	G	0.7	9	TURKEY. MD 3.2 (ISK).
10	13	16	52.5?	6.12	S	147.35	E	95	*	1.5	8	EAST PAPUA NEW GUINEA REGION
10	13	55	09.7?	35.94	N	32.14	E	10	G	1.5	5	CYPRUS. ML 3.8 (CSS).
10	14	04	01.4%	42.439	N	19.080	E	10	G	0.6	8	YUGOSLAVIA. ML 1.6 (TTG).
10	15	40	14.4%	40.394	N	27.963	E	10	G	0.5	8	TURKEY. MD 2.8 (ISK).
10	16	44	35.9?	12.30	S	118.50	E	33	N	1.2	8	SOUTH OF SUMBAWA ISLAND
10	16	46	58.6	42.842	N	17.946	E	10	G	0.6	9	ADRIATIC SEA. ML 2.1 (TTG).
10	17	15	19.5*	46.752	N	15.331	E	10	G	1.4	6	YUGOSLAVIA. ML 2.4 (KBA). MD 2.5 (LJU).
10	20	44	59.9	42.822	N	17.897	E	5	G	0.7	10	ADRIATIC SEA. ML 1.8 (TTG).
10	22	06	56.5*	36.961	N	29.480	E	10	G	0.7	5	TURKEY. MD 3.4 (ISK).
10	22	54	09.4*	31.351	S	68.837	W	96	?	0.2	7	SAN JUAN PROVINCE, ARGENTINA
10	23	17	46.2%	61.777	N	150.066	W	37			39	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
11	00	21	28.1%	43.106	N	0.613	W	10	G	0.3	7	PYRENEES. MD 1.0 (STR).
11	00	34	12.4%	40.635	N	29.018	E	10	G	0.4	6	TURKEY. MD 2.5 (ISK).
11	02	13	11.2?	15.19	N	147.71	E	33	N	1.0	7	MARIANA ISLANDS REGION
11	02	28	31.3?	2.84	N	97.64	E	33	N	1.4	5	NORTHERN SUMATERA
11	02	49	15.4?	30.98	S	68.19	W	10	G	0.3	4	SAN JUAN PROVINCE, ARGENTINA
11	02	53	27.6	41.085	N	22.516	E	10	G	0.4	7	YUGOSLAVIA. ML 1.8 (SKO).
11	02	55	02.7?	16.86	S	68.50	W	170	G	0.7	5	PERU-BOLIVIA BORDER REGION
11	03	17	02.1?	51.17	N	20.28	E	10	G	1.1	5	POLAND. ML 2.6 (KRA).
11	03	34	09.8*	36.945	N	28.210	E	10	G	1.0	6	DODECANESE ISLANDS
11	05	16	13.2*	37.725	N	118.886	W	5	G	0.9	5	CALIFORNIA-NEVADA BORDER REGION. MD 2.8 (GM).
11	06	35	12.9	44.150	N	12.786	E	10	G	1.5	16	NORTHERN ITALY. MD 3.1 (TRI).
11	06	39	55.1*	5.798	S	76.858	W	33	N	0.8	10	NORTHERN PERU
11	08	06	05.6	2.830	N	128.574	E	224	*	1.0	83	HALMAHERA
11	08	11	29.7	41.161	N	22.439	E	10	G	1.1	9	YUGOSLAVIA. ML 1.8 (SKO).
11	08	12	43.9	5.282	S	151.697	E	55	D	1.1	128	NEW BRITAIN REGION
11	08	25	52.3*	31.540	S	68.572	W	104	*	0.6	9	SAN JUAN PROVINCE, ARGENTINA
11	08	37	05.8	41.145	N	19.996	E	10	G	1.2	47	ALBANIA. MD 4.1 (ATH), 3.8 (TTG), 3.5 (THE).
11	08	46	05.5?	24.59	S	69.13	W	100	G	1.5	5	NORTHERN CHILE
11	08	50	03.7?	11.81	N	92.58	E	33	N	0.9	9	ANDAMAN ISLANDS REGION
11	08	57	18.6%	39.085	N	27.604	E	10	G	0.2	5	TURKEY. MD 2.7 (ISK).
11	09	11	33.0?	39.05	N	27.70	E	10	G	0.4	4	TURKEY. MD 2.7 (ISK).
11	09	31	33.3%	34.350	N	118.300	W	5			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS). Felt at Tujunga.
11	10	02	34.8	7.727	N	126.537	E	82	*	1.2	48	MINDANAO, PHILIPPINE ISLANDS
11	10	47	46.2?	39.06	N	27.67	E	10	G	0.7	4	TURKEY. MD 2.6 (ISK).
11	11	58	38.9%	40.735	N	29.205	E	10	G	0.4	5	TURKEY. MD 2.5 (ISK).
11	12	17	23.8%	45.308	N	0.217	E	10	G	1.3	9	FRANCE. ML 2.8 (LDG).
11	12	30	43.6%	59.638	N	152.776	W	92			85	SOUTHERN ALASKA. <AEIC>. Felt (III) at Port Graham.
11	12	44	36.5*	41.671	N	19.467	E	10	G	1.4	11	ALBANIA. ML 2.4 (TTG).
11	12	56	20.7?	42.14	N	13.21	E	10	G	0.8	4	CENTRAL ITALY
11	13	03	33.2	53.627	N	163.384	W	14		0.9	155	UNIMAK ISLAND REGION
11	13	26	34.1?	39.21	N	22.19	E	87	?	1.2	6	GREECE
11	13	40	28.3%	41.165	N	28.496	E	10	G	0.6	8	TURKEY. MD 2.7 (ISK).
11	14	02	33.6?	16.24	N	61.80	W	117	?	0.3	8	LEEWARD ISLANDS
11	14	23	21.9*	5.715	S	145.782	E	33	N	1.6	7	EAST PAPUA NEW GUINEA REGION
11	14	48	54.3?	34.93	N	26.64	E	33	N	1.2	7	CRETE
11	15	02	15.6?	6.68	S	147.43	E	74	?	1.6	5	EAST PAPUA NEW GUINEA REGION
11	15	32	27.6*	12.036	N	143.902	E	33	N	1.2	32	SOUTH OF MARIANA ISLANDS
11	16	02	16.3	27.608	N	56.509	E	48	*	0.8	71	SOUTHERN IRAN
11	17	16	45.8*	19.927	S	175.883	W	200	G	1.6	14	TONGA ISLANDS
11	17	42	34.0?	31.39	S	68.02	W	10	G	0.6	6	SAN JUAN PROVINCE, ARGENTINA
11	17	51	18.6	11.036	S	166.787	E	47	*	1.1	153	SANTA CRUZ ISLANDS. Ms 5.9 (BRK). Mo=1.0+10+18 Nm (PPT)
11	17	53	38.3%	39.018	N	28.799	E	5	G	0.3	9	TURKEY. MD 2.9 (ISK).
11	18	56	55.0?	15.13	S	166.84	E	33	N	1.2	19	VANUATU ISLANDS
11	19	31	13.5?	51.31	N	15.88	E	10	G	1.6	5	POLAND
11	20	15	54.1%	40.662	N	27.514	E	10	G	0.2	8	TURKEY. MD 2.7 (ISK).
11	20	28	06.9%	63.328	N	152.629	W	4			43	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
11	20	32	00.2	41.091	N	20.008	E	10	G	1.0	27	ALBANIA. MD 3.2 (ATH), 2.9 (THE).
11	20	32	20.7	27.029	N	100.856	E	44	D	1.3	30	YUNNAN PROVINCE, CHINA
11	20	38	56.7	44.358	N	7.320	E	13		0.5	16	NORTHERN ITALY. MD 2.2 (STR). ML 2.1 (GEN), 2.1 (LDG).
11	20	55	25.9	41.110	N	20.009	E	10	G	0.9	38	ALBANIA. MD 3.4 (ATH), 3.2 (THE).
11	21	03	53.1	40.724	N	23.163	E	10	G	0.7	7	GREECE
11	23	17	16.0*	41.061	N	20.137	E	10	G	0.5	9	ALBANIA. ML 2.5 (TTG).
11	23	30	52.5*	28.847	S	67.117	W	151	*	1.3	20	LA RIOJA PROVINCE, ARGENTINA

11	23	47	58.3	41.117 N	20.102 E	10 G	0.8	14	ALBANIA. ML 2.7 (TTG).
12	00	27	28.1	42.959 N	18.702 E	10 G	1.0	12	YUGOSLAVIA. ML 2.8 (TTG).
12	01	53	50.3	0.559 S	132.710 E	33 N 5.3	1.3	43	WEST IRIAN REGION
12	02	04	18.5+	41.066 N	22.382 E	10 G	0.1	5	YUGOSLAVIA. ML 1.3 (SKO).
12	02	05	03.9%	40.646 N	29.054 E	10 G	0.4	7	TURKEY. MD 2.6 (ISK).
12	02	50	42.8?	11.22 S	167.01 E	33 N 4.4	1.0	10	SANTA CRUZ ISLANDS
12	02	58	30.5+	11.117 S	166.921 E	33 N 4.9 4.7	1.0	26	SANTA CRUZ ISLANDS
12	03	50	06.7	5.753 S	77.054 W	33 N 5.2 4.5	1.1	116	NORTHERN PERU. Felt (IV) at Mayobamba.
12	04	14	54.9%	33.870 N	116.150 W	2		10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
12	04	18	13.8+	31.082 S	68.727 W	33 N	0.5	5	SAN JUAN PROVINCE, ARGENTINA
12	04	55	22.1?	37.97 N	14.66 E	10 G	0.7	4	SICILY
12	04	57	57.2?	31.60 S	68.92 W	90 G	0.1	4	SAN JUAN PROVINCE, ARGENTINA
12	05	41	00.3%	58.743 N	153.025 W	66 2.8		38	KODIAK ISLAND REGION. <AEIC>.
12	08	41	30.3	13.058 N	88.322 W	68 D 5.0	1.1	70	EL SALVADOR. Felt (III) at San Salvador.
12	09	34	43.3+	47.779 N	8.065 E	5 G	0.2	7	SWITZERLAND. MD 2.3 (STR).
12	09	43	03.0?	39.14 N	27.55 E	10 G	1.4	4	TURKEY. MD 2.5 (ISK).
12	10	17	58.2?	39.10 N	27.66 E	10 G	1.1	4	TURKEY. MD 2.7 (ISK).
12	10	21	38.5	23.746 N	121.582 E	10 G 3.8	1.0	8	TAIWAN
12	10	32	16.0?	39.12 N	27.61 E	10 G	0.6	4	TURKEY. MD 2.5 (ISK).
12	10	51	19.9	33.976 N	118.794 W	10 G	0.4	10	SOUTHERN CALIFORNIA. ML 2.7 (GS).
12	11	12	11.6%	41.151 N	73.653 W	9		6	NEW YORK. <WES>. MD 2.7 (WES), 2.0 (PAL). Felt (IV) at Glenville and Stamford, Connecticut. Felt (II) at Chappaqua, New York. Felt in parts of Westchester County, New York and Fairfield County, Connecticut.
12	12	43	33.2%	59.891 N	153.230 W	118		47	SOUTHERN ALASKA. <AEIC>.
12	12	45	48.2%	40.713 N	16.247 E	10 G	1.2	8	SOUTHERN ITALY
12	13	18	15.1?	59.53 N	5.47 E	10 G	0.6	4	SOUTHERN NORWAY. MD 1.7 (BER).
12	13	26	47.5	41.120 N	22.480 E	10 G	0.3	6	YUGOSLAVIA. ML 1.7 (SKO). Felt (III) at Gevgelija.
12	14	25	27.2+	22.711 S	170.698 E	33 N 4.1 4.1	1.4	15	LOYALTY ISLANDS REGION
12	14	32	38.8+	59.629 N	10.404 E	10 G	0.5	8	SOUTHERN NORWAY. MD 2.3 (BER).
12	14	40	14.7%	31.635 S	68.991 W	90 G	0.1	5	SAN JUAN PROVINCE, ARGENTINA
12	14	54	08.8?	16.64 N	60.84 W	33 N	0.5	6	LEEWARD ISLANDS. ML 2.1 (FDF).
12	15	44	05.5+	36.969 N	29.428 E	10 G	1.5	5	TURKEY. MD 3.2 (ISK).
12	16	00	42.2?	18.95 N	65.90 W	33 N	0.3	7	PUERTO RICO REGION
12	16	14	47.9	39.385 N	20.598 E	10 G 3.5	1.1	18	GREECE-ALBANIA BORDER REGION. MD 3.4 (THE).
12	17	00	04.1	5.881 S	77.089 W	33 N 5.1 4.2	1.0	82	NORTHERN PERU
12	18	27	30.0+	29.047 N	141.716 E	33 N 4.4	1.3	16	SOUTH OF HONSHU, JAPAN
12	18	39	18.2?	37.04 N	29.48 E	10 G	1.1	4	TURKEY. MD 3.4 (ISK).
12	19	45	06.7%	34.510 N	119.020 W	4		27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt (III) at Fillmore and Ventura. Also felt at Ojai.
12	19	49	51.0?	32.51 S	69.71 W	110 G	0.2	4	MENDOZA PROVINCE, ARGENTINA
12	19	57	32.8+	39.085 N	22.394 E	64 ?	0.3	10	GREECE. MD 2.4 (THE).
12	20	44	29.1?	14.54 N	60.29 W	33 N	0.6	9	WINDWARD ISLANDS. ML 2.8 (FDF).
12	21	48	15.7%	16.284 N	61.830 W	33 N	0.4	6	LEEWARD ISLANDS
12	21	56	55.4+	37.610 N	32.047 E	10 G	1.3	9	TURKEY. MD 3.7 (ISK).
12	22	20	47.7	41.506 N	20.109 E	10 G	0.7	15	ALBANIA. ML 3.0 (TTG). MD 2.8 (THE).
12	23	05	09.3%	47.533 N	5.947 E	10 G	1.1	5	FRANCE. ML 2.2 (LDG).
13	00	59	37.2	5.728 S	77.135 W	27 D 4.9 4.4	1.0	69	NORTHERN PERU
13	01	09	35.1+	24.005 N	122.752 E	10 G 4.3	1.4	14	TAIWAN REGION. ML 4.0 (BJI).
13	01	14	08.6?	17.40 S	166.98 E	33 N 4.3	1.2	4	VANUATU ISLANDS
13	01	25	20.4?	32.85 S	178.61 W	33 N 4.9	1.3	7	SOUTH OF KERMADEC ISLANDS
13	01	37	44.9	47.840 N	153.066 E	118 ? 4.8	0.9	101	KURIL ISLANDS
13	01	38	29.3	43.729 N	146.416 E	71 D 5.0	0.9	111	KURIL ISLANDS
13	02	53	10.7	49.140 N	6.862 E	7	0.8	17	GERMANY. MD 2.9 (STR), 2.8 (UCC).
13	03	15	10.2?	14.44 N	93.24 W	63 ? 4.0	1.7	8	NEAR COAST OF CHIAPAS, MEXICO
13	03	35	31.1+	5.597 S	76.908 W	25 D 4.5	1.1	19	NORTHERN PERU
13	04	46	26.5	40.653 N	23.096 E	10 G	0.5	12	GREECE. MD 2.3 (THE). ML 1.8 (SKO).
13	04	58	31.7+	24.440 N	91.345 E	33 N 4.0	1.3	8	INDIA-BANGLADESH BORDER REGION. Felt in the Tezpur area, India.
13	05	01	26.5?	44.49 N	7.07 E	10 G	0.5	4	NORTHERN ITALY. ML 1.3 (GEN).
13	05	16	54.3	44.000 N	7.441 E	12	0.3	15	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG), 1.8 (GEN).
13	06	13	28.4%	59.728 N	138.919 W	10 G		30	SOUTHEASTERN ALASKA. <PGC>. ML 4.0 (PGC), 3.3 (AEIC).
13	06	44	17.6?	32.77 S	178.56 W	33 N 4.8	1.0	6	SOUTH OF KERMADEC ISLANDS
13	07	25	13.7%	39.113 N	27.586 E	10 G	0.7	5	TURKEY. MD 2.6 (ISK).
13	07	46	49.0	20.116 S	169.055 E	32 D 5.8 5.4	1.1	295	VANUATU ISLANDS. Ms 5.6 (BRK).
13	08	37	34.8?	18.81 N	66.83 W	33 N	1.1	5	PUERTO RICO REGION
13	09	10	11.1+	31.752 S	71.295 W	104 * 4.8	1.0	17	NEAR COAST OF CENTRAL CHILE
13	09	55	06.2%	40.220 N	28.777 E	10 G	0.2	7	TURKEY. MD 2.6 (ISK).
13	10	43	03.8%	58.909 N	153.130 W	73		38	KODIAK ISLAND REGION. <AEIC>.
13	10	48	08.2	24.424 N	123.822 E	17 * 4.6	0.9	32	SOUTHWESTERN RYUKYU ISLANDS
13	11	07	54.4?	39.13 N	27.61 E	10 G	0.1	4	TURKEY. MD 2.7 (ISK).
13	11	19	31.6?	39.60 N	29.43 E	10 G	0.6	5	TURKEY. MD 2.9 (ISK).
13	11	33	06.9%	41.112 N	28.468 E	10 G	0.6	7	TURKEY. MD 2.7 (ISK).
13	12	28	11.2+	27.264 N	101.185 E	60 ? 4.1	1.6	7	SICHUAN PROVINCE, CHINA
13	12	36	03.7?	16.21 N	95.57 W	99 * 3.7	1.4	8	OAXACA, MEXICO
13	13	16	14.3?	17.99 N	101.85 W	33 N	0.9	5	NEAR COAST OF GUERRERO, MEXICO
13	13	23	15.4?	12.51 N	48.21 E	10 G 4.3	1.7	5	EASTERN GULF OF ADEN
13	13	23	48.8?	10.82 N	62.31 W	80 G	0.2	5	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
13	13	34	47.0+	36.520 N	70.938 E	190 ? 3.4	1.0	10	HINDU KUSH REGION
13	14	01	05.6%	58.869 N	154.860 W	127 2.5		36	ALASKA PENINSULA. <AEIC>.
13	14	08	13.7%	42.420 N	19.801 E	10 G	0.7	5	YUGOSLAVIA. ML 1.5 (TTG).
13	14	14	18.2?	51.28 N	16.04 E	10 G	1.2	6	POLAND
13	15	07	51.3?	18.54 N	66.81 W	33 N	0.3	7	PUERTO RICO REGION
13	15	32	43.7+	37.100 N	71.703 E	33 N 3.9	1.5	11	AFGHANISTAN-USSR BORDER REGION
13	15	38	56.9?	39.10 N	27.66 E	10 G	1.1	4	TURKEY. MD 2.7 (ISK).
13	15	41	54.7?	40.74 N	29.94 E	10 G	0.2	4	TURKEY. MD 2.7 (ISK).
13	15	49	33.5?	10.94 S	78.02 W	71 ? 4.3	1.3	16	NEAR COAST OF PERU. Felt (IV) at Huacho and (II) at Lima.
13	16	50	04.7%	59.371 N	152.496 W	69 2.6		48	SOUTHERN ALASKA. <AEIC>.
13	17	31	07.2%	62.051 N	147.768 W	38		54	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
13	17	41	11.4%	59.918 N	153.355 W	135		55	SOUTHERN ALASKA. <AEIC>.
13	19	08	05.1	42.031 N	106.857 W	5 G 3.2	0.6	7	WYOMING. ML 3.0 (GS).
13	19	25	22.2?	16.47 N	60.98 W	28 *	0.4	8	LEEWARD ISLANDS. ML 2.6 (FDF).

13	20	51	30.5	37.563	N	118.888	W	5							14	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.3 (BRK).
13	21	47	37.5	40.333	N	27.046	E	10	G	0.8					9	TURKEY. MD 2.9 (ISK).
13	22	40	57.4	42.006	N	19.866	E	10	G	0.3					10	YUGOSLAVIA. ML 2.1 (TTG).
13	23	20	50.9	7.618	S	108.077	E	61	*	5.0	4.6	1.1			61	JAVA
13	23	41	42.4	58.959	N	154.197	W	84							24	ALASKA PENINSULA. <AEIC>.
14	00	13	09.6	38.17	N	31.75	W	10	G	4.6	0.9				20	AZORES ISLANDS REGION
14	01	41	49.4	46.637	N	5.583	E	10	G		0.8				8	FRANCE. ML 2.2 (LDG).
14	02	39	08.6	30.882	S	71.506	W	83	*	4.7	1.0				17	NEAR COAST OF CENTRAL CHILE
14	02	54	15.2	16.56	N	97.97	W	33	N		1.1				5	OAXACA, MEXICO
14	03	13	28.1	43.174	N	12.352	E	10	G		0.7				5	CENTRAL ITALY
14	04	27	15.7	15.42	N	96.81	W	33	N	3.3	0.8				7	NEAR COAST OF OAXACA, MEXICO
14	04	38	03.4	37.806	N	27.458	E	10	G		1.0				8	TURKEY. MD 3.3 (ISK).
14	04	52	37.9	6.866	S	129.515	E	57	?	4.5	1.3				28	BANDA SEA
14	06	25	10.1	15.77	N	93.70	W	33	N		0.4				4	NEAR COAST OF CHIAPAS, MEXICO
14	06	36	17.4	43.56	N	134.11	E	400	G	4.3	0.8				25	NEAR E. COAST OF EASTERN USSR
14	06	44	10.5	60.819	N	167.003	E	33	N	4.1	0.9				8	EASTERN SIBERIA
14	07	35	53.3	40.573	N	19.635	E	11			1.2				33	ALBANIA. MD 3.4 (ATH), 3.2 (THE). ML 3.2 (TTG).
14	07	46	19.8	26.70	S	111.67	E	33	N		1.4				9	WEST OF AUSTRALIA
a 14	08	08	55.7	27.155	N	127.419	E	83	G	6.2	1.0				473	RYUKYU ISLANDS. Felt (III JMA) at Naha and (II JMA) at Nago, Okinawa. Depth from broadband displacement seismograms.
14	08	18	33.4	5.491	S	76.813	W	15	D	4.7	4.5	1.2			22	NORTHERN PERU
14	08	27	39.9	41.065	N	22.471	E	10	G		0.4				5	YUGOSLAVIA
14	08	42	39.3	33.870	N	116.150	W	3	G						9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
14	08	51	15.9	39.10	N	27.50	E	10	G		0.6				4	TURKEY. MD 2.5 (ISK).
14	08	52	18.3	40.61	N	22.99	E	5	G		0.6				4	GREECE
14	09	14	43.9	11.195	S	166.488	E	140	?	4.6	1.6				15	SANTA CRUZ ISLANDS
14	09	24	32.8	40.785	N	29.619	E	10	G		0.7				7	TURKEY. MD 2.6 (ISK).
14	09	32	18.2	33.163	S	69.493	W	10	G		1.1				16	CHILE-ARGENTINA BORDER REGION
14	09	44	42.2	11.473	S	118.087	E	33	N	4.6	1.5				17	SOUTH OF SUMBAWA ISLAND
14	10	05	33.6	40.61	N	29.29	E	10	G		0.3				4	TURKEY. MD 2.4 (ISK).
14	10	08	01.5	1.114	S	99.184	E	33	N	4.6	1.5				14	SOUTHERN SUMATERA
14	10	19	22.1	39.597	N	29.446	E	10	G		0.8				10	TURKEY. MD 2.7 (ISK).
14	10	35	52.5	36.964	N	29.424	E	10	G		0.5				10	TURKEY. MD 3.7 (ISK).
14	12	11	09.2	60.930	N	151.238	W	55							39	KENAI PENINSULA, ALASKA. <AEIC>.
14	12	15	24.1	42.282	N	32.542	E	10	G		0.9				8	BLACK SEA. MD 3.6 (ISK).
14	12	24	22.6	39.448	N	20.070	E	5	G		1.2				8	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
14	12	49	27.8	60.270	N	145.001	W	9		3.0					45	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
14	14	27	02.0	13.14	N	145.49	E	33	N	4.1	1.0				5	MARIANA ISLANDS
14	15	09	29.7	16.70	S	173.42	W	33	N	4.8	1.0				11	TONGA ISLANDS
14	15	28	40.6	62.03	N	2.80	E	10	G		1.0				9	NORWEGIAN SEA. MD 2.5 (BER).
14	16	38	08.2	37.346	N	20.351	E	33	N	3.6	1.2				26	IONIAN SEA. ML 3.5 (ATH). MD 3.3 (THE).
14	17	21	30.8	59.263	N	153.530	W	98							35	SOUTHERN ALASKA. <AEIC>.
14	18	22	36.2	4.379	S	102.785	E	105	*	5.2	0.8				35	SOUTHERN SUMATERA
14	19	46	24.4	41.868	N	14.086	E	10	G		1.2				5	SOUTHERN ITALY
14	20	11	31.2	46.760	N	5.695	E	4			1.1				48	FRANCE. MD 3.3 (STR). ML 3.3 (LDG).
14	20	24	46.2	17.74	N	61.55	W	10	G		0.2				6	LEEWARD ISLANDS. ML 2.9 (FDF).
14	22	09	03.8	44.523	N	11.083	E	10	G		0.5				7	NORTHERN ITALY
14	22	31	14.7	44.719	N	11.766	E	10	G		0.3				5	NORTHERN ITALY
14	22	46	21.6	47.249	N	11.219	E	10	G		0.3				5	AUSTRIA. ML 1.8 (VIE).
14	23	09	23.3	62.892	N	148.734	W	74							62	CENTRAL ALASKA. <AEIC>.
15	00	35	09.1	36.660	N	21.177	E	13			1.2				26	SOUTHERN GREECE. ML 3.4 (ATH).
15	00	44	49.2	55.041	N	157.623	W	89		2.7					2	ALASKA PENINSULA. <PAL>.
15	00	45	55.5	48.06	N	7.64	E	10	G		0.5				4	FRANCE. ML 2.2 (LDG).
15	03	01	22.1	41.029	N	141.415	E	110		4.4	1.1				25	HOKKAIDO, JAPAN REGION
15	03	12	49.7	10.22	S	161.09	E	100	?	4.1	1.1				5	SOLOMON ISLANDS
15	03	21	26.6	40.82	N	20.72	E	5	G		0.7				5	GREECE-ALBANIA BORDER REGION. ML 1.9 (SKO).
15	04	18	30.7	15.398	N	60.488	W	33	N		0.3				10	LEEWARD ISLANDS. ML 2.9 (FDF).
15	05	31	13.6	48.016	N	119.885	W	5		3.0					75	WASHINGTON. <SEA>. ML 3.6 (SEA). Felt (V) at Chelan and Methow; (IV) at Brewster, Bridgeport, Molott and Pateras; (III) at Okanogan, Omak, Twisp and Waterville. Also felt at Grand Coulee.
15	05	35	59.9	36.086	N	31.086	E	87	?		1.6				23	TURKEY. MD 4.1 (HLW), 3.9 (ISK).
15	05	38	21.9	20.87	S	176.30	W	234	?	4.3	1.5				17	FIJI ISLANDS REGION
15	07	19	22.0	17.867	N	94.792	W	143		4.0	1.0				23	CHIAPAS, MEXICO
15	07	29	28.9	19.415	N	65.730	W	33	N	3.3	0.2				6	PUERTO RICO REGION
15	07	34	04.5	40.111	N	142.544	E	61		4.5	1.2				22	NEAR EAST COAST OF HONSHU, JAPAN
15	07	46	23.9	40.67	N	22.99	E	10	G		1.2				4	GREECE
15	08	06	09.0	36.95	N	29.45	E	10	G		0.4				4	TURKEY. MD 3.4 (ISK).
15	08	26	49.8	44.399	N	7.401	E	10	G		0.2				5	NORTHERN ITALY. ML 1.7 (GEN).
15	09	13	00.2	30.71	S	68.91	W	90	G		0.1				4	SAN JUAN PROVINCE, ARGENTINA
15	09	37	14.3	61.878	N	152.246	W	128							55	SOUTHERN ALASKA. <AEIC>.
a 15	10	48	59.3	36.340	N	71.358	E	124	D	5.3	1.1				266	AFGHANISTAN-USSR BORDER REGION. Felt (IV) at Kharag, (III) at Kulyab and (II) at Samarkand, USSR.
a 15	11	31	23.3	12.451	N	142.724	E	39	*	5.4	4.7	1.4			108	SOUTH OF MARIANA ISLANDS
15	13	04	42.4	60.337	N	151.277	W	50							34	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).
15	13	29	47.4	53.334	N	164.581	W	33	N	4.9	4.4	1.2			87	UNIMAK ISLAND REGION
15	14	15	37.4	5.748	S	76.920	W	35	*	4.7	1.4				18	NORTHERN PERU
15	14	15	49.7	44.369	N	7.313	E	10	G		0.3				10	NORTHERN ITALY. ML 2.4 (GEN).
15	14	33	00.6	36.37	S	97.25	W	10	G	4.7	1.2				21	WEST CHILE RISE
15	15	17	44.3	37.048	N	121.480	W	6							12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
15	15	50	29.7	41.109	N	22.475	E	10	G		0.2				9	YUGOSLAVIA. ML 2.0 (SKO).
15	16	03	03.4	23.925	N	93.807	E	33	N	3.5	1.4				8	BURMA-INDIA BORDER REGION
15	16	07	03.0	5.62	S	154.14	E	33	N	4.1	1.5				10	SOLOMON ISLANDS
15	16	55	44.8	37.032	N	29.412	E	10	G		1.2				5	TURKEY. MD 3.7 (ISK).
15	17	43	31.1	41.090	N	22.369	E	10	G		0.5				10	YUGOSLAVIA. ML 2.5 (SKO). MD 2.4 (THE).
15	18	10	06.2	27.766	N	55.052	E	47	*	4.2	0.6				14	SOUTHERN IRAN
15	18	10	07.6	41.077	N	22.337	E	5	G		0.5				11	YUGOSLAVIA. MD 3.2 (ATH), 2.7 (THE). ML 2.7 (SKO).
15	18	32	41.3	61.184	N	152.021	W	106		3.4					76	SOUTHERN ALASKA. <AEIC>. Felt (III) at Skwentna.
15	20	39	47.8	56.192	S	26.540	W	33	N	5.2	1.1				34	SOUTH SANDWICH ISLANDS REGION
15	21	11	28.3	37.64	N	32.09	E	10	G		1.4				7	TURKEY. MD 3.6 (ISK).
15	21	55	56.2	38.578	N	22.051	E	15			1.2				14	GREECE. ML 3.5 (ATH). MD 3.0 (THE).
15	22	19	16.1	43.779	N	18.750	E	19	*		1.3				14	YUGOSLAVIA. MD 3.1 (TRI).

15	22	30	47.07	60.68	N	2.85	E	10	G	1.2	6	NORTH SEA. MD 2.2 (BER).		
15	22	41	41.87	17.49	N	100.22	W	33	N	3.0	0.8	7	GUERRERO, MEXICO	
15	22	54	47.9	5.784	S	76.900	W	27	*	4.8	1.2	35	NORTHERN PERU	
15	23	07	03.28	60.410	N	141.240	W	7			14	SOUTHEASTERN ALASKA. <AEIC>. ML 2.5 (AEIC).		
15	23	56	26.78	61.035	N	151.277	W	68			47	SOUTHERN ALASKA. <AEIC>.		
16	00	05	47.57	36.98	N	29.39	E	10	G	0.9	4	TURKEY. MD 3.1 (ISK).		
16	00	56	59.68	37.310	N	122.103	W	6			18	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=9.4+10+13 Nm (BRK). Felt (IV) at Marina and Mount Hermon. Felt (III) at Las Gatas. Also felt at Cupertino, Los Altos, Menlo Park, San Francisco and San Jose.		
16	01	28	42.17	14.29	S	26.15	E	10	G	0.9	4	ZAMBIA		
16	01	32	03.0	19.263	S	168.425	E	43	*	4.9 4.9	1.3	55	VANUATU ISLANDS	
16	02	04	38.97	38.793	N	15.204	E	10	G	1.5	7	SICILY		
a	16	02	11	31.4	0.369	N	25.759	W	10	G	4.8 5.0	0.6	25	CENTRAL MID-ATLANTIC RIDGE
16	02	40	11.8	51.453	N	177.703	E	33	N	4.5	1.0	31	RAT ISLANDS, ALEUTIAN ISLANDS	
16	02	45	15.38	62.535	N	148.647	W	49			71	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC). Felt (III) at Cantwell.		
16	02	46	51.57	40.60	N	29.01	E	10	G	0.7	4	TURKEY. MD 2.6 (ISK).		
16	03	01	56.27	57.92	S	27.25	W	140	G	5.0	1.4	18	SOUTH SANDWICH ISLANDS REGION	
16	04	06	39.38	38.560	N	87.990	W	16			7	SOUTHERN INDIANA. <SLM-P>. mbLg 2.7 (SLM), 3.0 (GS). Felt in the Olney, Illinois area.		
16	07	33	45.57	24.23	S	179.86	W	629	?	5.3	1.3	24	SOUTH OF FIJI ISLANDS	
16	07	42	42.57	44.898	N	7.729	E	32			0.6	10	NORTHERN ITALY. ML 2.2 (GEN).	
16	08	13	44.0	44.363	N	6.783	E	14			0.5	28	FRANCE. ML 2.8 (LDG), 2.7 (GEN).	
16	09	19	06.27	18.395	N	100.396	W	33	N		0.6	5	GUERRERO, MEXICO	
16	09	34	22.17	13.72	N	93.03	W	33	N	4.0	1.1	14	OFF COAST OF CHIAPAS, MEXICO	
a	16	09	56	07.1	36.257	N	71.261	E	127	D	5.1	1.2	128	AFGHANISTAN-USSR BORDER REGION. Felt in northwestern Pakistan.
16	10	53	49.17	41.06	N	22.36	E	5	G	0.6	4	YUGOSLAVIA		
16	11	12	44.48	58.871	N	154.320	W	106			35	ALASKA PENINSULA. <AEIC>.		
16	11	33	52.3	36.880	N	73.200	E	33	N	4.5	1.5	22	NORTHWESTERN KASHMIR. ML 4.9 (BJI).	
16	12	15	54.97	37.63	N	27.04	E	10	G	1.4	5	TURKEY. MD 3.0 (ISK).		
16	13	04	38.7	4.496	N	127.747	E	33	N	4.9 4.3	1.0	37	TALAUD ISLANDS	
16	13	08	33.7	37.728	N	2.227	W	10	G	1.0	22	SPAIN. mbLg 3.5 (MDD). Felt (III) in the Maria area.		
16	13	34	41.88	46.593	N	119.774	W	18			51	WASHINGTON. <SEA>. CL 2.9 (SEA).		
16	14	26	20.9	40.690	N	19.866	E	10	G	1.2	12	ALBANIA. MD 3.2 (ATH), 3.0 (THE).		
16	14	55	30.8	27.194	N	100.657	E	10	G	1.1	9	YUNNAN PROVINCE, CHINA. ML 3.6 (BJI).		
16	15	26	07.77	24.42	N	123.79	E	32	?	4.2	1.1	5	SOUTHWESTERN RYUKYU ISLANDS	
16	15	30	00.08	37.245	N	116.442	W	0		5.4	206	SOUTHERN NEVADA. <DOE>. ML 5.4 (BRK). 37' 14' 43.59" N., 116' 26' 29.88" W., Surface Elev. 1988 m., Depth of Burial 600 m., Shot Time 153000.071, "MONTELLO," Nevada Test Site (Dept. of Energy).		
16	15	46	25.57	36.84	N	29.51	E	33	N	1.0	4	TURKEY. MD 3.2 (ISK).		
16	16	26	59.6	41.108	N	22.498	E	10	G	0.3	6	YUGOSLAVIA. ML 1.4 (SKO).		
16	17	54	52.77	40.65	N	29.91	E	10	G	0.6	4	TURKEY. MD 2.4 (ISK).		
16	17	57	46.87	16.26	N	100.12	W	33	N	3.4	1.2	6	NEAR COAST OF GUERRERO, MEXICO	
16	18	57	32.57	40.346	N	29.941	E	5	G	0.5	12	TURKEY. MD 2.9 (ISK).		
16	20	56	35.27	37.72	N	15.03	E	10	G	0.4	4	SICILY		
16	21	29	47.98	60.636	N	142.310	W	0			36	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).		
16	21	38	31.57	15.985	N	61.073	W	10	G	0.6	7	LEEWARD ISLANDS. ML 1.7 (FDF).		
16	21	42	53.57	3.976	S	153.082	E	66	?	4.7	0.9	14	NEW IRELAND REGION	
16	23	15	16.87	17.61	N	100.51	W	10	G	0.8	5	GUERRERO, MEXICO		
17	00	54	12.67	44.280	N	114.241	W	5	G	0.4	10	WESTERN IDAHO. ML 3.2 (BUT).		
17	01	16	10.17	6.889	N	72.999	W	156		4.7	1.2	24	NORTHERN COLOMBIA	
17	01	19	46.27	36.98	N	29.35	E	10	G	0.1	4	TURKEY. MD 3.4 (ISK).		
17	01	42	40.88	59.977	N	152.796	W	94			70	SOUTHERN ALASKA. <AEIC>.		
17	03	57	44.37	23.620	N	121.405	E	10	G	0.6	5	TAIWAN		
17	04	40	07.07	36.351	N	26.768	E	160	?	0.7	7	DODECANESE ISLANDS. MD 3.5 (ATH).		
17	05	01	09.5	42.872	N	18.719	E	10	G	0.6	9	YUGOSLAVIA. ML 2.5 (TTG).		
17	05	26	48.17	43.428	N	2.272	W	10	G	1.3	6	SPAIN. mbLg 3.0 (MDD).		
17	05	32	10.6	60.698	N	166.939	E	19	D	5.3 4.5	1.0	139	EASTERN SIBERIA	
17	05	32	51.27	31.09	S	68.42	W	90	G	0.1	4	SAN JUAN PROVINCE, ARGENTINA		
17	05	43	04.98	33.950	N	118.370	W	4			16	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS). Felt (III) at Hawthorne. Also felt at Beverly Hills, Inglewood, Santa Monica and in the western part of Los Angeles.		
17	08	04	44.57	30.363	N	110.885	E	10	G	0.6	5	EASTERN CHINA. ML 4.2 (BJI).		
17	08	37	03.1	23.655	N	121.364	E	10	G	4.1	1.4	12	TAIWAN. ML 4.3 (BJI).	
17	09	14	15.6	12.752	N	124.367	E	75	?	5.3	1.0	26	SAMAR, PHILIPPINE ISLANDS	
17	09	23	52.97	35.188	N	110.969	E	10	G	1.4	7	EASTERN CHINA. ML 4.0 (BJI).		
17	09	26	02.9	60.841	N	166.832	E	33	N	5.1 4.5	1.1	109	EASTERN SIBERIA	
17	11	46	24.37	17.36	N	100.19	W	10	G	0.3	5	GUERRERO, MEXICO		
17	12	20	51.87	68.40	N	32.30	E	10	G	1.1	4	EUROPEAN USSR. MD 3.6 (BER).		
17	13	12	03.37	42.728	N	19.100	E	10	G	0.5	5	YUGOSLAVIA. ML 1.6 (TTG).		
17	13	38	04.78	59.981	N	152.798	W	98			38	SOUTHERN ALASKA. <AEIC>.		
17	14	38	39.8	20.235	S	168.817	E	32		5.2 4.7	1.4	62	LOYALTY ISLANDS	
17	15	16	31.6	23.453	N	102.694	E	10	G	0.7	9	YUNNAN PROVINCE, CHINA. ML 3.9 (BJI).		
17	15	35	54.27	41.08	N	22.50	E	10	G	0.5	4	YUGOSLAVIA		
17	15	53	43.17	43.186	N	146.312	E	68	*	4.1	0.8	20	KURIL ISLANDS	
17	16	03	02.77	23.252	N	120.116	E	10	G	0.5	5	TAIWAN		
17	16	40	19.37	27.64	S	71.34	W	33	N	1.2	8	NEAR COAST OF NORTHERN CHILE		
17	16	54	31.37	38.081	N	28.930	E	10	G	1.3	9	TURKEY. MD 3.3 (ISK).		
17	17	23	25.17	45.859	N	1.801	E	10	G	0.9	11	FRANCE. ML 2.3 (LDG).		
17	17	42	39.0	40.387	N	77.956	W	0	G	0.3	6	PENNSYLVANIA. Explosion. mbLg 2.5 (GS).		
17	18	00	09.87	43.093	N	0.493	W	10	G	0.0	6	PYRENEES. MD 1.4 (STR).		
17	19	39	36.67	40.400	N	28.915	E	10	G	0.6	10	TURKEY. MD 2.8 (ISK).		
17	23	32	33.27	16.01	N	97.85	W	33	N	0.8	6	OAXACA, MEXICO		
17	23	49	40.17	17.878	S	72.479	W	64	*	4.1	0.9	7	NEAR COAST OF PERU	
18	01	46	35.17	32.21	S	69.80	W	100	G	0.2	6	MENDOZA PROVINCE, ARGENTINA		
18	02	34	51.47	37.02	N	29.35	E	10	G	0.5	4	TURKEY. MD 3.5 (ISK).		
18	03	50	02.27	3.919	S	139.893	E	33	N	4.6	1.4	19	WEST IRIAN	
18	04	37	01.3	46.037	N	7.765	E	10	G	0.8	22	SWITZERLAND. MD 2.8 (STR).		
18	04	37	36.6	51.652	N	16.387	E	10	G	0.4	10	POLAND. ML 3.2 (KBA), 3.1 (VKA).		
18	04	41	07.6	46.119	N	7.764	E	10	G	1.4	6	SWITZERLAND		

18	04	59	06.37	41.81	N	12.73	E	10	G	0.5	4	SOUTHERN ITALY			
18	05	16	38.77	16.80	N	60.42	W	33	N	0.7	6	LEEWARD ISLANDS. ML 3.2 (FDF).			
a	18	05	19	29.0	2.664	N	128.543	E	237	D	5.5	1.1	133	MALMAHERA	
18	05	22	31.1	43.235	N	17.652	E	5	G	0.7	10	YUGOSLAVIA. ML 2.8 (TTG).			
18	05	34	49.97	38.04	N	26.99	E	10	G	0.6	4	AEGEAN SEA. MD 2.9 (ISK).			
18	06	44	25.2	46.528	N	12.913	E	5	G	1.3	25	NORTHERN ITALY. ML 3.0 (KBA). MD 2.8 (TRI), 2.8 (LJU). Felt at Paluzza and Tolmezzo.			
18	06	48	38.4	37.844	N	32.058	E	10	G	1.0	14	TURKEY. MD 3.8 (ISK).			
18	06	56	24.8	37.209	N	26.697	E	10	G	1.3	21	DODECANESE ISLANDS. MD 4.0 (ATH), 3.9 (ISK).			
18	07	24	07.57	5.71	S	146.93	E	147	*	4.7	1.5	9	EAST PAPUA NEW GUINEA REGION		
18	08	01	27.0	16.219	N	96.012	W	37	D	4.6	1.1	44	OAKACA, MEXICO. Felt (III) in Oaxaca.		
18	08	57	01.5	5.462	S	154.111	E	143	4.8	0.8	53	SOLOMON ISLANDS			
a	18	09	18	30.4	37.457	N	68.273	E	33	N	5.4	5.1	1.0	193	AFGHANISTAN-USSR BORDER REGION. Several people killed and many injured in Badakhshon Province, Afghanistan. One person killed, 6 injured and about 1,000 buildings damaged (VII) in the Kabodiyen district, USSR. Landslides occurred in the Bagi-Dzhud area. Felt (VI) at Shaartuz, (IV) at Kolkhozabad and Leninskiy and (III) at Dushanbe, USSR.
18	09	28	48.1%	44.251	N	6.797	E	10	G	0.5	11	FRANCE. ML 2.4 (GEN).			
a	18	09	41	20.1	22.924	S	179.342	W	471	G	5.7	1.0	384	SOUTH OF FIJI ISLANDS. mb 5.8 (BRK). Depth from broadband displacement seismograms.	
18	10	12	08.37	14.22	N	61.01	W	33	N	0.7	6	WINDWARD ISLANDS. ML 2.9 (FDF).			
18	10	40	53.8	60.757	N	166.975	E	12	D	5.4	4.9	1.1	173	EASTERN SIBERIA	
18	10	58	34.0	60.842	N	166.867	E	33	N	5.0	4.9	0.8	74	EASTERN SIBERIA	
18	11	28	43.47	43.06	N	0.72	W	10	G	0.5	4	PYRENEES. MD 1.0 (STR).			
18	11	56	54.1*	60.879	N	166.939	E	33	N	4.5	1.1	15	EASTERN SIBERIA		
18	11	56	55.9	39.232	N	26.553	E	6	4.4	0.7	47	TURKEY. ML 4.0 (ATH). MD 4.0 (ISK).			
18	12	21	46.7%	39.171	N	26.234	E	29	*	0.9	8	TURKEY. MD 3.4 (ISK).			
18	12	54	42.7	39.254	N	26.577	E	2	0.8	16	TURKEY. MD 3.6 (ISK).				
18	13	05	04.5%	39.222	N	26.584	E	10	G	0.6	10	TURKEY. MD 3.4 (ISK).			
18	13	16	00.9	3.387	N	122.235	E	614	5.3	1.0	96	CELEBES SEA			
18	13	20	40.5*	18.626	S	174.515	W	156	?	4.9	1.2	30	TONGA ISLANDS		
18	13	44	20.0%	39.261	N	26.501	E	10	G	0.6	12	TURKEY. MD 3.5 (ISK).			
18	14	00	56.3	51.913	N	179.580	E	111	*	4.6	0.8	20	RAT ISLANDS, ALEUTIAN ISLANDS		
18	14	14	21.1%	38.811	N	27.612	E	10	G	0.3	14	TURKEY. MD 3.4 (ISK).			
18	14	17	38.9	38.815	N	27.583	E	16	0.5	12	TURKEY. MD 3.3 (ISK).				
18	14	41	30.17	31.40	S	68.69	W	92	?	0.3	6	SAN JUAN PROVINCE, ARGENTINA			
18	14	59	35.1%	39.233	N	26.694	E	10	G	1.4	9	TURKEY. MD 3.3 (ISK).			
18	15	03	13.8*	39.219	N	26.375	E	10	G	0.9	13	TURKEY. MD 3.6 (ISK).			
18	15	48	53.1*	29.612	N	52.403	E	33	N	4.1	1.4	13	SOUTHERN IRAN. Felt at Shiraz.		
18	16	44	44.0*	39.214	N	74.076	E	33	N	4.3	1.4	19	SOUTHERN XINJIANG, CHINA		
18	16	50	50.4%	39.226	N	26.508	E	10	G	0.5	7	TURKEY. MD 3.1 (ISK).			
18	16	51	43.4%	38.833	N	30.357	E	10	G	1.2	6	TURKEY. MD 3.1 (ISK).			
18	17	15	31.4*	36.471	N	68.978	E	33	N	3.7	0.9	5	HINDU KUSH REGION		
18	18	02	11.2	45.093	N	6.973	E	10	G	0.4	15	FRANCE. ML 2.5 (GEN).			
18	18	04	40.3*	12.519	S	75.114	W	103	*	4.5	1.3	19	PERU. Felt (III) at Huacha.		
18	18	15	36.2%	40.674	N	29.123	E	10	G	0.2	5	TURKEY. MD 2.4 (ISK).			
18	19	24	04.9	40.475	N	16.719	E	20	3.4	1.3	46	SOUTHERN ITALY. MD 3.7 (ATH).			
18	19	53	55.4	60.731	N	166.923	E	13	D	5.1	1.2	82	EASTERN SIBERIA		
18	20	31	14.1*	38.654	N	20.974	E	10	G	1.5	8	GREECE. MD 3.2 (ATH).			
19	00	30	56.8%	31.761	N	35.839	E	10	G	0.5	12	DEAD SEA REGION			
19	00	37	47.2%	31.222	S	68.915	W	90	G	0.4	6	SAN JUAN PROVINCE, ARGENTINA			
19	01	02	20.6*	36.606	N	70.499	E	188	?	3.8	0.8	12	HINDU KUSH REGION		
19	01	55	19.2%	60.500	N	152.996	W	142	0.5	54	SOUTHERN ALASKA. <AEIC>.				
19	02	11	55.8*	32.371	S	71.743	W	33	N	1.0	11	NEAR COAST OF CENTRAL CHILE			
19	02	55	06.9	60.842	N	166.908	E	10	D	5.0	0.8	90	EASTERN SIBERIA		
19	03	46	07.4	38.117	N	20.209	E	6	1.1	17	GREECE. MD 3.9 (THE). ML 3.7 (ATH).				
19	04	44	17.2%	61.139	N	151.909	W	92	0.5	63	SOUTHERN ALASKA. <AEIC>.				
a	19	04	51	40.4	13.775	N	120.723	E	172	D	5.1	1.0	105	MINDORO, PHILIPPINE ISLANDS. Felt (III) at Olongapo.	
19	05	03	39.3%	59.502	N	136.440	W	0	0.9	9	SOUTHEASTERN ALASKA. <AEIC>. ML 3.3 (AEIC).				
19	05	27	16.6	11.991	N	142.187	E	50	*	5.2	4.4	0.9	53	SOUTH OF MARIANA ISLANDS	
19	05	33	16.9*	23.971	N	121.711	E	35	*	3.8	1.5	12	TAIWAN		
19	05	52	33.4*	36.258	N	71.150	E	49	?	4.2	1.4	17	AFGHANISTAN-USSR BORDER REGION		
19	06	13	41.4*	23.466	S	68.599	W	108	*	4.2	1.2	8	NORTHERN CHILE		
19	06	25	57.6	41.499	N	20.637	E	10	G	0.5	12	ALBANIA. ML 3.2 (SKO), 2.6 (TTG). Felt (IV) at Debar, Yugoslavia.			
19	06	39	41.5	16.865	N	60.592	W	17	D	5.5	4.9	1.0	182	LEEWARD ISLANDS. MD 5.3 (TRN). Felt on Dominica and Guadeloupe. Also felt (II) on Martinique.	
19	06	44	48.8%	60.690	N	151.692	W	69	0.5	37	KENAI PENINSULA, ALASKA. <AEIC>.				
19	06	46	43.7%	16.752	N	60.680	W	33	N	0.5	10	LEEWARD ISLANDS. ML 3.3 (FDF).			
19	06	53	09.57	16.83	N	60.39	W	33	N	0.5	6	LEEWARD ISLANDS. ML 2.8 (FDF).			
19	07	05	54.97	16.79	N	60.47	W	33	N	0.6	6	LEEWARD ISLANDS. ML 2.6 (FDF).			
19	07	16	46.1	40.615	N	142.471	E	61	4.3	1.1	28	NEAR EAST COAST OF HONSHU, JAPAN			
19	07	29	52.4*	16.869	N	60.570	W	33	N	3.5	0.6	11	LEEWARD ISLANDS. ML 3.3 (FDF).		
19	08	00	04.47	16.82	N	60.50	W	33	N	0.6	6	LEEWARD ISLANDS. ML 2.8 (FDF).			
19	08	23	49.87	16.82	N	60.42	W	33	N	0.5	6	LEEWARD ISLANDS. ML 4.0 (FDF).			
19	08	38	32.27	17.46	N	61.14	W	10	G	0.4	8	LEEWARD ISLANDS. ML 3.5 (FDF).			
19	09	05	37.47	16.78	N	60.50	W	33	N	0.7	5	LEEWARD ISLANDS. ML 2.6 (FDF).			
o	19	09	13	58.77	54.68	S	143.34	E	10	G	5.1	4.4	1.3	12	WEST OF MACQUARIE ISLAND
19	10	01	11.2%	1.060	S	78.281	W	33	N	1.1	5	ECUADOR			
19	10	01	49.2%	43.128	N	0.630	W	10	G	0.1	5	PYRENEES			
19	10	12	47.2	3.887	S	39.740	W	11	D	4.8	1.2	38	BRAZIL. Felt (VI) in the Iruacuba area. Also felt at Sobral.		
19	10	30	01.47	44.72	N	8.51	E	10	G	0.4	4	NORTHERN ITALY			
19	11	12	17.9%	40.466	N	28.959	E	10	G	0.4	6	TURKEY. MD 2.8 (ISK).			
19	11	17	35.47	33.51	N	56.84	E	33	N	4.6	1.4	11	IRAN		
a	19	11	25	34.5	14.883	S	174.953	W	20	D	5.6	6.0	1.2	167	SAMOA ISLANDS REGION. Ms 5.8 (BRK), 5.8 (PAS). Mo=1.4*10**18 Nm (PPT).
19	12	51	57.2	42.070	N	106.856	W	5	G	2.9	0.5	7	WYOMING. ML 2.9 (GS).		
19	13	24	03.57	44.59	N	7.23	E	10	G	0.2	4	NORTHERN ITALY. ML 1.4 (GEN).			
19	13	24	52.0*	20.569	S	68.801	W	106	D	4.4	1.5	24	CHILE-BOLIVIA BORDER REGION		
19	14	29	42.7	44.816	N	6.812	E	10	G	0.6	36	FRANCE. ML 2.9 (GEN), 2.8 (LDG). MD 2.3 (STR).			

19	15	00	01.27	44.74	N	8.50	E	10	G	0.0	4	NORTHERN ITALY	
19	15	17	42.8?	16.64	N	60.78	W	33	N	1.0	5	LEEWARD ISLANDS. ML 2.6 (FDF).	
19	15	29	39.9?	44.53	N	7.20	E	5	G	0.1	4	NORTHERN ITALY. ML 1.4 (GEN).	
19	15	35	19.2	43.546	N	127.335	W	10	G	5.0 4.6	0.9	155	OFF COAST OF OREGON
19	16	24	32.9*	41.461	N	20.664	E	10	G	1.7	9	ALBANIA. ML 3.0 (TTG), 2.9 (SKO). Felt (IV) at Debar, Yugoslavia.	
19	16	36	14.2?	15.78	N	98.29	W	33	N	0.0	4	OFF COAST OF GUERRERO, MEXICO	
19	18	02	06.6&	33.190	N	115.590	W	1			7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).	
19	18	19	24.6&	59.990	N	153.340	W	134		5.1	192	SOUTHERN ALASKA. <AEIC>. Felt (V) at Kenai; (IV) at Anchorage and in parts of the Kenai Peninsula; (III) at Chugiak, Kodiak, Moose Pass, Palmer and Port Graham.	
19	18	44	27.6?	44.41	N	6.57	E	5	G	0.2	4	FRANCE. ML 1.6 (GEN).	
19	18	57	09.0?	41.71	N	13.83	E	10	G	1.0	5	SOUTHERN ITALY	
19	19	28	48.4*	30.020	S	68.356	W	100	G	0.3	7	SAN JUAN PROVINCE, ARGENTINA	
19	20	49	32.6?	16.90	N	60.29	W	15		0.2	7	LEEWARD ISLANDS. ML 3.5 (FDF).	
19	21	41	02.7?	31.213	S	68.992	W	90	G	0.3	6	SAN JUAN PROVINCE, ARGENTINA	
f 19	21	48	35.7	6.900	S	129.562	E	127	G	5.9	1.0	310	BANDA SEA. Depth from broadband displacement seismograms.
19	22	43	40.1?	38.85	N	29.73	E	10	G	1.0	4	TURKEY. MD 2.9 (ISK).	
19	23	57	18.8?	43.84	N	83.56	E	33	N	3.9	1.5	6	NORTHERN XINJIANG, CHINA
20	00	58	13.5&	33.850	N	118.450	W	6	G		7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt in the Santa Monica Bay area.	
20	01	02	13.3	13.214	S	167.209	E	245	*	5.0	1.4	120	VANUATU ISLANDS
20	01	20	28.8&	45.345	N	120.138	W	13			50	WASHINGTON-OREGON BORDER REGION. <SEA>. CL 2.8 (SEA).	
20	01	36	12.4&	34.540	N	118.660	W	13			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).	
20	02	52	24.2?	33.476	S	70.927	W	70	G	1.1	6	CHILE-ARGENTINA BORDER REGION	
20	04	07	20.7	41.555	N	20.619	E	5	G	1.1	10	ALBANIA. ML 3.1 (SKO), 2.9 (TTG). Felt (IV) at Debar, Yugoslavia.	
20	04	47	00.9*	23.305	N	44.777	W	10	G	4.6	1.2	11	NORTH ATLANTIC RIDGE
20	05	36	41.3?	6.87	S	129.43	E	166	?	4.9	1.3	13	BANDA SEA
20	06	30	07.0&	64.012	N	138.978	W	5	G		19	SOUTHERN YUKON TERRITORY, CANADA. <PGC>. ML 3.4 (PGC), 2.9 (AEIC).	
20	06	39	17.9?	24.04	N	121.68	E	10	G		1.0	4	TAIWAN
20	08	47	57.1&	60.727	N	151.914	W	84			74	KENAI PENINSULA, ALASKA. <AEIC>.	
20	08	51	04.4?	33.23	N	135.02	E	424	*	4.1	0.7	10	NEAR S. COAST OF SOUTHERN HONSHU
20	08	53	40.2?	85.56	N	33.74	E	10	G	3.8	1.5	7	NORTH OF SVALBARD
20	09	14	09.3?	37.561	N	2.339	W	10	G		0.8	13	SPAIN. mbLg 3.3 (MDD).
20	10	13	33.5?	39.650	N	29.509	E	10	G		1.0	8	TURKEY. MD 2.7 (ISK).
20	10	16	35.6?	39.616	N	29.461	E	10	G		0.7	8	TURKEY. MD 2.8 (ISK).
20	10	23	40.7	42.892	N	2.999	W	10	G		1.0	15	SPAIN. mbLg 3.0 (MDD).
20	12	56	51.0&	38.049	N	112.728	W	3		4.0	32	UTAH. <SLC-P>. ML 3.8 (SLC). Felt (IV) at Minersville; (III) at Elsinore and Paraganah; (II) at Hatch.	
20	13	13	26.8?	42.050	N	12.814	E	10	G		1.2	5	CENTRAL ITALY
20	13	47	51.1	43.842	N	13.658	E	10	G				

21	09 24 25.8	60.217 N	152.993 W	129	3.8				92	SOUTHERN ALASKA. <AEIC>.
21	09 43 57.6	60.042 N	153.508 W	157					37	SOUTHERN ALASKA. <AEIC>.
21	09 49 14.6	45.092 N	6.968 E	10 G		0.6			13	FRANCE. ML 2.3 (GEN).
21	09 57 25.0	30.262 S	69.193 W	40 *	3.8	1.2			21	CHILE-ARGENTINA BORDER REGION
21	10 04 08.6	16.645 N	98.870 W	48 *	4.7 4.2	0.9			39	NEAR COAST OF GUERRERO, MEXICO. Felt at Acapulco.
21	10 27 21.0	58.443 N	154.228 W	86					43	ALASKA PENINSULA. <AEIC>.
21	10 57 42.3	37.036 N	13.833 W	33 N		0.7			28	NORTH ATLANTIC OCEAN. mbLg 3.4 (MDD).
a 21	11 17 46.2	4.380 S	143.774 E	103	5.6	0.9			171	PAPUA NEW GUINEA
21	11 29 44.8	43.125 N	0.323 W	10 G		0.5			14	PYRENEES. ML 2.9 (LDG). Felt (III) at Castet, France.
21	12 00 00.2	16.03 N	99.25 W	33 N	2.8	0.1			5	NEAR COAST OF GUERRERO, MEXICO
21	12 19 00.0	24.359 N	121.046 E	10 G	3.5	1.4			5	TAIWAN
21	12 19 44.8	23.804 N	122.888 E	10 G	3.7	0.8			5	TAIWAN REGION
21	12 46 08.0	39.119 N	106.751 W	5 G		0.2			11	COLORADO. ML 2.0 (GS). Felt at Aspen.
21	13 03 44.7	61.815 N	147.423 W	34	3.9				95	SOUTHERN ALASKA. <AEIC>. ML 4.5 (AEIC), 4.4 (PMR). Felt (IV) at Chickaloon and (III) at Anchorage and Palmer.
21	13 04 10.3	23.177 N	121.056 E	10 G		0.8			6	TAIWAN
21	13 09 50.2	40.472 N	27.545 E	10 G		0.5			5	TURKEY. MD 2.7 (ISK).
21	13 46 02.6	41.078 N	29.333 E	10 G		0.5			6	TURKEY. MD 2.6 (ISK).
21	14 52 10.1	31.800 N	116.220 W	6 G					7	BAJA CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
21	15 42 12.1	40.780 N	29.087 E	10 G		0.7			9	TURKEY. MD 2.7 (ISK).
21	16 06 13.7	6.946 S	129.592 E	117 ?	4.3	0.9			9	BANDA SEA
21	17 25 01.6	31.443 S	69.306 W	124 *		0.9			16	SAN JUAN PROVINCE, ARGENTINA
21	17 28 07.6	24.92 N	123.80 E	115 ?	4.2	0.8			9	SOUTHWESTERN RYUKYU ISLANDS
21	17 49 08.0	61.79 N	4.05 E	10 G		0.8			4	SOUTHERN NORWAY. MD 2.3 (BER).
21	18 11 03.2	5.957 S	77.014 W	33 N	4.9 3.7	1.1			40	NORTHERN PERU. Felt (IV) at Riaja and Mayabamba.
21	18 28 41.6	39.12 N	27.97 E	10 G		1.0			4	TURKEY. MD 2.8 (ISK).
21	20 10 17.9	36.94 N	29.49 E	10 G		0.5			4	TURKEY. MD 3.3 (ISK).
21	20 12 32.8	36.954 N	29.413 E	10 G		1.4			7	TURKEY. MD 3.8 (ISK).
21	20 20 02.4	6.56 S	130.90 E	33 N		1.3			5	BANDA SEA
21	20 44 56.8	37.10 N	29.44 E	10 G		0.9			4	TURKEY. MD 3.5 (ISK).
21	21 09 47.0	35.515 N	21.963 E	10 G	4.0	0.9			22	MEDITERRANEAN SEA. MD 4.5 (ATH).
21	21 23 39.9	37.741 N	72.137 E	33 N	3.8	1.1			8	TAJIK SSR
f 21	23 12 22.5	18.287 S	46.416 E	19 G	5.8 5.3	0.9			381	MALAGASAY REPUBLIC. Felt at Antananariva. Depth from broadband displacement seismograms.
22	00 31 39.2	43.03 N	18.68 E	10 G		0.4			4	YUGOSLAVIA
22	00 36 20.8	37.273 N	20.982 E	10 G		1.1			10	IONIAN SEA. MD 3.7 (ATH).
22	00 38 49.6	43.004 N	18.698 E	10 G		0.7			9	YUGOSLAVIA. ML 2.2 (TTG).
22	01 01 20.2	37.941 N	80.207 W	15					23	WEST VIRGINIA. <BLA>. mbLg 3.5 (BLA). Felt (IV) at Auto and (III) at Caldwell.
22	01 07 06.2	60.454 N	153.733 W	15					28	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
22	01 08 55.7	41.717 N	20.073 E	5 G		0.9			16	ALBANIA. ML 3.0 (TTG). Felt (IV) in the Debar, Yugoslavia area.
22	01 14 13.9	63.486 N	151.176 W	10					68	CENTRAL ALASKA. <AEIC>. ML 3.7 (PMR), 3.6 (AEIC).
22	01 19 25.9	37.06 N	29.42 E	10 G		0.6			4	TURKEY. MD 3.7 (ISK).
22	01 20 26.1	34.374 N	27.528 E	27 *	4.1	1.5			55	EASTERN MEDITERRANEAN SEA
22	01 34 30.2	36.579 N	71.383 E	69 ?	4.3	0.5			9	AFGHANISTAN-USSR BORDER REGION
22	02 47 24.9	39.578 N	29.418 E	10 G		0.9			11	TURKEY. MD 3.1 (ISK).
22	03 00 05.5	36.754 N	4.930 W	33 N		0.9			10	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
22	03 34 23.3	45.090 N	6.982 E	10 G		0.5			6	FRANCE. ML 1.7 (GEN).
22	04 26 33.7	1.043 S	127.229 E	33 N	5.0	0.9			14	HALMAHERA
22	06 25 15.7	31.647 S	68.280 W	10 G		1.1			9	SAN JUAN PROVINCE, ARGENTINA
22	06 35 48.3	61.787 N	151.233 W	73					47	SOUTHERN ALASKA. <AEIC>.
22	06 37 50.1	33.16 S	72.24 W	10 G		0.5			9	OFF COAST OF CENTRAL CHILE
22	06 40 01.2	44.663 N	112.587 W	6					11	EASTERN IDAHO. <BUT>. ML 3.4 (BUT).
22	06 48 07.5	40.811 N	27.940 E	10 G		0.5			6	TURKEY. MD 2.6 (ISK).
22	07 10 30.1	44.57 N	17.41 E	10 G		0.7			4	YUGOSLAVIA. ML 2.3 (LJU).
22	08 48 29.9	30.080 N	79.720 E	33 N	4.6	0.8			42	TIBET-INDIA BORDER REGION
22	10 01 54.0	49.152 N	6.868 E	10 G		0.7			15	GERMANY. MD 3.0 (STR), 2.7 (UCC).
22	11 03 10.0	0.297 S	78.893 W	28	4.7	1.0			23	ECUADOR. Felt (V) at Santo Dominga de las Coloradas.
22	11 11 59.7	13.004 N	94.032 E	33 N	4.2	0.4			8	ANDAMAN ISLANDS REGION
22	12 00 15.9	24.54 S	179.91 W	534 ?	5.0	1.1			20	SOUTH OF FIJI ISLANDS
22	12 01 05.0	41.02 N	22.32 E	10 G		0.0			4	YUGOSLAVIA. ML 1.5 (SKO).
22	12 41 41.3	35.419 N	110.368 E	33 N		0.3			5	EASTERN CHINA. ML 3.8 (BJI).
22	12 56 07.5	43.193 N	26.035 E	10 G		1.2			10	BULGARIA
22	13 20 11.7	4.89 S	149.23 E	627 ?	4.8	0.4			8	BISMARCK SEA
22	13 41 18.8	45.970 N	7.991 E	10 G		0.8			16	NORTHERN ITALY. MD 2.9 (STR).
22	14 38 24.5	38.844 N	27.488 E	10 G		0.9			9	TURKEY. MD 3.3 (ISK).
22	14 52 06.6	38.753 N	27.612 E	10 G		0.9			6	TURKEY. MD 3.2 (ISK).
22	18 07 54.7	18.383 S	178.090 W	575 *	4.6	1.3			42	FIJI ISLANDS REGION
22	18 17 33.6	35.632 N	33.459 E	10 G		1.2			5	CYPRUS. ML 3.5 (CSS).
22	18 20 33.4	44.43 N	6.49 E	10 G		0.4			4	FRANCE. ML 1.5 (GEN).
22	19 02 26.6	38.833 N	122.832 W	5 G					13	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK). Felt (V) at Loch Lamond and (IV) at Cobb. Also felt strongly at The Geysers.
22	19 11 58.4	16.207 N	61.183 W	49 ?		1.3			8	LEEWARD ISLANDS. ML 2.6 (FDF).
22	19 16 01.4	36.818 N	73.169 E	33 N	3.7	0.6			9	NORTHWESTERN KASHMIR
22	19 18 43.5	11.485 S	166.194 E	63 ?	5.1	1.0			13	SANTA CRUZ ISLANDS
22	20 37 57.6	38.974 N	28.798 E	4		0.9			23	TURKEY. MD 3.6 (ISK). Felt at Demirci.
22	20 57 38.7	38.911 N	28.563 E	10 G		0.7			7	TURKEY. MD 3.0 (ISK). Felt at Demirci.
22	21 02 40.9	38.995 N	28.789 E	5 G		0.4			12	TURKEY. MD 3.0 (ISK). Felt at Demirci.
22	21 40 30.5	49.315 N	28.459 W	10 G	4.5 4.0	0.9			25	NORTH ATLANTIC RIDGE
22	21 41 39.4	5.48 S	128.86 E	277 ?	4.7	0.5			10	BANDA SEA
f 22	21 56 51.8	9.685 N	83.073 W	10 G	6.3 7.6	1.2			432	COSTA RICA. Ms 7.4 (BRK), 6.9 (PAS). Mo=4.0*10**20 Nm (PPT). Forty-seven people killed, 109 injured, 7,439 homeless and severe damage (IX) in the Limon-Pandora area. Intensity X was observed in some zones of liquefaction within the epicentral area. Some damage (VI) also occurred in the San Jose-Alajuela area and landslides blocked roads between Limon and central Costa Rica. Twenty-eight people killed, 454 injured, 2,400 homeless and 866 buildings destroyed (VII-VIII) in the Guabito-Almirante-Bocas del Toro area, Panama. Slight damage (VI) also occurred at David and Puerto

Armuelles, Panama. Felt (IV) at Colon and (III) at Panama City. Felt (III) in eastern El Salvador and (II) at San Salvador. Also felt in Nicaragua and Honduras and on San Andres Island, Colombia. Maximum uplift of 1.4 meters was observed near Liman and sandblows and liquefaction caused subsidence of soils in the Bacas del Tara area. Ground cracks also occurred in the epicentral area. A 2-meter tsunami with maximum runup of 300 meters was observed in the Cahuita-Puerta Vieja area, Costa Rica. Tsunamis were also reported on Bastimentos, Carenero and Colon Islands and at Partabola, Panama. The maximum amplitude of the tsunami in Panama was about 0.6 m. A 7-cm tsunami (peak-to-trough) was recorded on the tide gauge at Cristobal, Panama. Damage in Costa Rica estimated to be about 43 million U.S. dollars.

22	22	07	13.3	10.005	N	83.377	W	10	G	5.2	0.8	54	COSTA RICA. Felt.	
22	22	08	31.9	9.820	N	83.505	W	10	G	5.4	0.9	87	COSTA RICA. Felt.	
22	22	19	25.6	9.915	N	83.413	W	10	G	5.4	1.0	114	COSTA RICA. MD 5.4 (SJR). Felt.	
22	22	41	51.4	10.148	N	82.951	W	10	G	5.1	1.1	79	NORTH OF PANAMA. Felt in Costa Rica.	
22	22	51	35.1	9.723	N	82.540	W	10	G	5.2	1.1	87	PANAMA-COSTA RICA BORDER REGION. MD 5.1 (SJR). Felt in Costa Rica.	
22	23	13	24.1*	9.466	N	83.304	W	10	G	4.8	1.4	39	COSTA RICA. MD 4.7 (SJR). Felt.	
22	23	16	08.27	9.31	N	83.41	W	10	G	4.9	1.2	12	COSTA RICA	
22	23	59	29.9%	43.324	N	13.099	E	5	G		0.1	5	CENTRAL ITALY	
23	00	19	55.8	39.017	N	28.784	E				0.6	16	TURKEY. MD 3.3 (ISK).	
23	00	33	45.27	31.44	S	68.56	W	88	?		0.7	6	SAN JUAN PROVINCE, ARGENTINA	
23	01	47	43.2*	20.958	S	173.447	W	33	N	4.9	1.1	27	TONGA ISLANDS	
23	02	18	28.2	39.424	N	22.916	E	16		3.5	1.1	36	GREECE. MD 3.4 (THE). ML 3.3 (ATH).	
23	02	22	43.7	43.395	N	13.245	E	5	G		0.7	18	CENTRAL ITALY	
23	02	30	44.0?	37.01	N	29.43	E	10	G		0.8	4	TURKEY. MD 3.5 (ISK).	
a	23	02	48	58.5	2.759	S	134.432	E	10	G	5.8 5.6	1.0	173	WEST IRIAN REGION. Depth from broadband displacement seismograms.
23	02	50	22.6	13.087	N	123.239	E	40	*	5.2 5.1	1.0	50	LUZON, PHILIPPINE ISLANDS. Felt at Legaspi and in Masbate and Camarines Provinces.	
23	03	19	19.0&	47.000	N	66.600	W	5	G	3.3		6	NEW BRUNSWICK. <OTT-P>. mbLg 3.6 (OTT). Felt at Bathurst and Beechwood.	
23	04	09	58.8	45.917	N	14.535	E	10	G		0.5	6	YUGOSLAVIA. MD 2.3 (LUJ). ML 2.0 (KBA).	
23	05	13	33.6%	37.541	N	2.276	W	10	G		0.9	5	SPAIN. mbLg 3.4 (MDD).	
23	05	37	05.5	9.555	N	82.728	W	10	G	5.1 5.2	1.3	137	PANAMA-COSTA RICA BORDER REGION. MD 5.1 (SJR).	
23	05	52	38.4	44.470	N	6.754	E	12			0.4	31	FRANCE. ML 2.9 (GEN), 2.9 (LDG).	
23	05	54	48.0&	47.000	N	66.600	W	5	G			5	NEW BRUNSWICK. <OTT-P>. mbLg 2.8 (OTT).	
23	05	55	49.1	9.878	N	82.841	W	10	G	4.9	1.0	39	PANAMA-COSTA RICA BORDER REGION	
23	06	02	21.3*	9.768	N	83.631	W	10	G	4.7	1.1	27	COSTA RICA. MD 4.6 (SJR).	
23	06	07	43.6*	47.682	N	147.030	E	401	*	4.3	1.0	19	NORTHWEST OF KURIL ISLANDS	
23	06	13	19.9*	9.491	N	82.872	W	10	G	4.5	1.3	12	PANAMA-COSTA RICA BORDER REGION	
a	23	06	34	05.9	14.002	N	91.652	W	69		5.3	1.0	245	GUATEMALA. mb 5.3 (PAS). Ma=2.0*10**17 Nm (PPT). Felt at Quezaltenango and San Marcos. Also felt at Puerto Madero and Tapachula, Mexico. Felt (II) at San Salvador, El Salvador.
23	06	52	22.2	15.736	S	173.625	W	43	D	4.3	1.4	18	TONGA ISLANDS	
23	08	32	38.1	9.934	N	83.198	W	10	G	5.0 4.9	1.4	89	COSTA RICA. MD 4.9 (SJR). Felt.	
23	08	37	35.7%	44.384	N	7.381	E	10	G		0.3	5	NORTHERN ITALY. ML 1.6 (GEN).	
23	08	58	47.7?	9.98	N	83.26	W	10	G	4.6	0.9	9	COSTA RICA	
23	09	14	08.8	37.579	N	2.348	W	5	G		0.8	13	SPAIN. mbLg 3.3 (MDD).	
23	09	38	28.27	39.78	N	29.52	E	10	G		0.8	4	TURKEY. MD 2.8 (ISK).	
23	09	56	34.5&	59.047	N	145.014	W	10				30	GULF OF ALASKA. <AEIC>. ML 2.5 (AEIC).	
23	09	56	55.6%	40.310	N	23.951	E	10	G		0.6	5	GREECE. MD 3.4 (THE).	
23	11	33	12.2*	9.221	N	83.102	W	10	G	4.4	1.5	17	COSTA RICA	
23	11	46	29.8?	21.16	S	169.60	E	33	N	4.8 4.6	1.3	13	LOYALTY ISLANDS REGION	
23	12	00	00.0*	34.168	N	139.188	E	50	?	4.0	1.1	13	NEAR S. COAST OF HONSHU, JAPAN	
23	13	42	46.3&	50.550	N	130.112	W	10	G	3.5		44	VANCOUVER ISLAND REGION. <PGC>.	
23	13	52	00.27	33.63	N	138.61	E	33	N	4.0	0.3	4	SOUTH OF HONSHU, JAPAN	
23	14	33	02.2	34.018	N	139.195	E	10	G	4.3	0.9	16	NEAR S. COAST OF HONSHU, JAPAN	
23	15	12	14.3&	32.160	N	117.600	W	6	G			8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).	
23	15	21	54.8?	32.19	S	72.03	W	10	G	4.1	0.6	6	OFF COAST OF CENTRAL CHILE	
23	16	02	54.4?	17.32	S	72.25	W	97	*	3.7	1.0	7	NEAR COAST OF PERU. Felt (III) at Arequipa.	
23	16	11	54.9	32.208	S	70.192	W	135	*		0.4	13	CHILE-ARGENTINA BORDER REGION. Felt (II) at Santiago, Chile.	
23	16	15	25.9	27.001	N	127.475	E	99	*	4.3	1.4	22	RYUKYU ISLANDS	
23	16	37	23.4*	48.969	N	28.511	W	10	G	4.3 3.6	1.4	20	NORTH ATLANTIC RIDGE	
23	16	55	16.5*	2.938	S	134.312	E	33	N	4.9	1.2	28	WEST IRIAN REGION	
23	17	25	23.6?	14.99	S	173.77	W	33	N	4.6 4.8	0.7	10	SAMOA ISLANDS REGION	
23	18	36	27.4?	16.18	N	61.33	W	33	N		0.1	4	LEEWARD ISLANDS. ML 2.1 (FDF).	
23	18	54	16.8%	38.552	N	14.720	E	13			0.9	7	SICILY	
a	23	18	56	41.2	9.538	N	83.467	W	10	G	5.0 4.4	1.0	79	COSTA RICA. MD 4.9 (SJR). Felt.
23	19	23	26.2%	37.235	N	4.073	W	10	G		0.8	6	SPAIN. mbLg 3.2 (MDD).	
23	19	41	45.3?	43.77	N	127.89	W	10	G	2.8	0.8	23	OFF COAST OF OREGON	
23	19	52	47.1?	40.50	N	23.68	E	10	G		0.3	4	GREECE	
23	20	43	11.0&	60.111	N	153.084	W	122		3.1		62	SOUTHERN ALASKA. <AEIC>.	
23	21	16	23.4*	71.895	N	6.663	W	10	G	3.8	0.5	6	JAN MAYEN ISLAND REGION	
23	23	55	30.9*	21.320	S	173.345	W	34	D	4.7 4.6	1.3	28	TONGA ISLANDS	
24	00	15	32.5&	62.259	N	150.981	W	70				65	CENTRAL ALASKA. <AEIC>.	
a	24	00	32	01.6	42.634	N	144.759	E	59		5.5	0.8	306	HOKKAIDO, JAPAN REGION
24	01	34	03.0	20.499	N	97.972	E	33	N	4.4	1.0	29	BURMA	
24	01	41	48.8	7.786	N	126.855	E	33	N	4.8 4.6	0.9	40	MINDANAO, PHILIPPINE ISLANDS	
24	02	09	09.9%	16.669	N	61.916	W	33	N		1.3	7	LEEWARD ISLANDS. ML 2.4 (FDF).	
24	03	11	02.3?	28.29	N	105.08	E	10	G		0.6	4	SICHUAN PROVINCE, CHINA. ML 3.8 (BJI).	
24	03	39	58.9*	17.256	N	120.927	E	33	N	4.0 4.0	1.6	13	LUZON, PHILIPPINE ISLANDS	
24	03	44	16.0?	40.51	N	22.70	E	10	G		0.1	4	GREECE	
24	04	05	22.2&	58.648	N	155.310	W	128		3.3		70	ALASKA PENINSULA. <AEIC>.	
24	04	41	48.4?	9.14	N	82.50	W	10	G	4.3	1.0	10	PANAMA-COSTA RICA BORDER REGION. MD 4.5 (SJR).	
a	24	04	57	14.8	9.041	N	126.739	E	14	D	5.6 6.0	1.2	132	MINDANAO, PHILIPPINE ISLANDS. Ma=3.0*10**18 Nm (PPT).

24	05 13 09.8	2.541 N	79.747 W	24 D	5.8 6.2	0.9	252	SOUTH OF PANAMA. Ms 5.9 (BRK).
24	05 50 44.4*	2.658 N	79.804 W	10 G	4.0	1.2	10	SOUTH OF PANAMA
24	06 15 07.6*	33.53 S	67.55 W	33 N		1.1	11	MENDOZA PROVINCE, ARGENTINA
24	06 50 17.3*	8.893 N	126.646 E	60 G	4.2	1.2	16	MINDANAO, PHILIPPINE ISLANDS
24	09 02 01.9*	41.123 N	28.466 E	10 G		0.2	6	TURKEY. MD 2.8 (ISK).
24	09 13 08.0	40.398 N	25.958 E	10 G		0.7	19	AEGEAN SEA. MD 3.4 (ISK), 3.1 (ATH), 3.0 (THE).
24	09 22 54.9	52.042 N	157.052 E	33 N	4.8 4.1	1.0	86	KAMCHATKA
24	09 23 18.7*	40.843 N	29.625 E	10 G		1.4	5	TURKEY. MD 2.6 (ISK).
24	10 06 54.9	9.047 N	126.770 E	33 N	5.4 5.2	1.2	82	MINDANAO, PHILIPPINE ISLANDS
24	10 19 29.8*	8.943 S	126.787 E	60 G	4.4	1.0	9	MINDANAO, PHILIPPINE ISLANDS
24	10 24 12.6*	40.636 N	29.099 E	10 G		0.5	5	TURKEY. MD 2.7 (ISK).
24	10 27 24.4*	40.435 N	25.999 E	28		1.0	9	AEGEAN SEA. MD 3.6 (ISK).
24	10 37 26.0	36.622 N	71.114 E	212 *	4.1	0.7	17	AFGHANISTAN-USSR BORDER REGION
24	10 54 35.7	39.597 N	41.118 E	33 N	4.5	0.8	48	TURKEY. One person killed, 3 injured and some houses damaged in Erzurum Province.
24	12 56 29.3*	16.28 N	97.45 W	33 N		0.9	5	OAXACA, MEXICO
24	12 58 30.6*	39.08 N	27.62 E	10 G		0.2	4	TURKEY. MD 2.6 (ISK).
24	13 22 16.9	39.294 N	16.722 E	12	3.9	0.8	49	SOUTHERN ITALY. MD 4.3 (THE).
24	13 34 59.9*	24.89 N	123.24 E	137 ?	3.5	0.1	6	SOUTHWESTERN RYUKYU ISLANDS
24	13 41 19.9*	68.016 N	161.495 W	10 G	3.7	1.3	7	ALASKA. ML 3.6 (PMR).
24	14 18 05.0*	59.351 N	153.796 W	116	2.6		76	SOUTHERN ALASKA. <AEIC>.
24	15 12 48.3*	50.156 N	5.459 E	10 G		0.8	5	BELGIUM
24	15 27 15.5	49.873 N	142.659 E	27 *	4.9 4.3	0.9	70	SAKHALIN ISLAND
24	16 19 14.9*	12.70 S	119.67 E	33 N	3.4	1.6	5	SOUTH OF SUMBA ISLAND
24	16 58 29.3	41.364 N	29.324 E	7		0.3	11	TURKEY. MD 3.0 (ISK).
24	17 54 02.1*	10.298 N	83.020 W	10 G	4.6	0.9	14	COSTA RICA. MD 4.9 (SJR). Felt.
24	18 02 13.5*	38.289 N	28.094 E	10 G		1.0	9	TURKEY. MD 3.2 (ISK).
24	18 11 53.6	36.001 N	140.008 E	62	4.3	0.8	18	NEAR EAST COAST OF HONSHU, JAPAN
24	18 21 30.5*	40.400 N	28.926 E	10 G		0.5	11	TURKEY. MD 2.8 (ISK).
24	18 31 44.7*	8.271 S	114.467 E	33 N	4.7	1.3	12	BALI ISLAND REGION
24	19 04 20.6	44.312 N	6.735 E	10 G		0.3	25	FRANCE. ML 2.4 (GEN), 2.2 (LDG).
24	19 11 45.7*	31.808 N	104.541 E	33 N	4.7	1.0	10	SICHUAN PROVINCE, CHINA
24	19 13 02.1	9.741 N	83.517 W	13 G	5.6 6.1	1.2	282	COSTA RICA. Ms 6.2 (BRK), 5.9 (PAS). Mo=3.0*10**18 Nm (PPT). Felt throughout Costa Rica and western Panama. A landslide blocked the Pan-American Highway.
24	19 30 49.8*	38.091 N	67.731 E	33 N	3.6	0.9	5	SOUTHEASTERN UZBEK SSR
24	20 23 17.5*	5.069 N	125.302 E	130 G	4.6	1.1	10	MINDANAO, PHILIPPINE ISLANDS
24	20 53 09.6*	5.474 S	152.875 E	44 *	4.2	0.8	10	NEW BRITAIN REGION
24	21 09 20.1*	2.677 N	79.852 W	8	3.8	0.9	12	SOUTH OF PANAMA
24	21 44 40.1*	47.118 N	154.675 E	33 N	4.7	1.4	37	KURIL ISLANDS
24	22 12 02.9	34.876 N	138.136 E	41 *	4.7 4.0	1.3	43	NEAR S. COAST OF HONSHU, JAPAN. Felt (IV JMA) at Ajiro and (II JMA) at Hamamatsu, Kofu, Mishima and Shizuoka.
24	22 15 22.7*	12.56 N	90.83 W	76 ?	4.3	1.0	7	OFF COAST OF CENTRAL AMERICA
24	22 34 48.0*	36.099 N	113.576 E	33 N	4.4	1.4	11	EASTERN CHINA. ML 3.9 (BJI).
24	23 56 03.5	16.144 N	98.329 W	34	4.7 3.9	0.7	38	NEAR COAST OF GUERRERO, MEXICO
25	01 14 49.5	30.043 S	177.659 W	60 D	5.4	1.0	62	KERMADEC ISLANDS. Felt strongly on Raoul Island.
25	02 05 06.6*	31.083 S	68.425 W	33 N		0.7	5	SAN JUAN PROVINCE, ARGENTINA
25	02 16 32.6	9.622 N	82.899 W	10 G	4.6 4.5	1.2	61	PANAMA-COSTA RICA BORDER REGION. MD 4.9 (SJR). Felt at Changuinola, Panama.
25	02 47 49.4*	10.075 N	82.923 W	33 N	4.7 3.8	1.3	30	NORTH OF PANAMA. MD 4.8 (SJR). Felt in Costa Rica.
25	03 31 13.9*	43.352 N	13.072 E	10 G		0.9	6	CENTRAL ITALY
25	04 11 32.4*	39.41 N	30.06 E	10 G		0.7	6	TURKEY. MD 3.0 (ISK).
25	04 39 34.2*	13.858 N	92.035 W	33 N	3.9	1.1	7	OFF COAST OF CHIAPAS, MEXICO
25	06 55 38.8*	33.97 S	72.27 W	11 *		1.5	9	OFF COAST OF CENTRAL CHILE
25	07 40 21.0*	13.355 N	90.696 W	33 N	4.4 3.5	1.0	17	NEAR COAST OF GUATEMALA
25	07 55 28.9*	9.769 N	83.406 W	10 G	4.6 4.6	1.4	30	COSTA RICA. MD 4.7 (SJR). Felt.
25	08 03 08.4*	1.887 N	96.316 E	33 N	4.3	0.9	8	OFF W COAST OF NORTHERN SUMATERA
25	08 03 33.3*	12.856 N	123.139 E	33 N	4.4 4.3	1.1	15	LUZON, PHILIPPINE ISLANDS
25	09 39 52.6*	39.630 N	29.461 E	10 G		1.4	10	TURKEY. MD 2.8 (ISK).
25	09 53 05.4*	8.557 S	79.812 W	33 N	4.5	1.2	27	NEAR COAST OF NORTHERN PERU. Felt (IV) at Trujillo.
25	10 34 45.5*	39.115 N	27.586 E	10 G		0.0	5	TURKEY. MD 2.7 (ISK).
25	10 46 56.6	44.383 N	7.245 E	10 G		0.5	21	NORTHERN ITALY. ML 2.6 (LDG), 2.4 (GEN).
25	10 55 37.0*	40.373 N	78.473 E	33 N	4.2	0.4	8	SOUTHERN XINJIANG, CHINA
25	11 16 57.9*	39.133 N	27.669 E	10 G		0.7	5	TURKEY. MD 2.6 (ISK).
25	11 17 19.7	43.036 N	12.806 E	10 G	3.7	1.1	49	CENTRAL ITALY. ML 3.9 (ZAG), 3.7 (KBA).
25	11 51 40.6	51.643 N	16.229 E	7	4.0	0.8	14	POLAND. ML 3.8 (GRF), 3.7 (VKA).
25	12 36 41.1*	39.66 N	20.18 E	10 G		0.1	4	GREECE-ALBANIA BORDER REGION
25	13 18 07.3*	41.11 N	28.50 E	10 G		0.5	4	TURKEY. MD 2.7 (ISK).
25	14 12 57.1*	53.935 N	160.728 E	33 N	4.3	0.7	9	NEAR EAST COAST OF KAMCHATKA
25	15 02 09.9*	40.838 N	29.466 E	10 G		0.3	5	TURKEY. MD 2.5 (ISK).
25	15 02 38.0*	41.117 N	22.501 E	10 G		0.3	6	YUGOSLAVIA
25	15 40 41.0*	46.047 N	2.503 E	5 G		0.1	5	FRANCE. ML 2.0 (LDG).
25	15 41 12.8	47.251 N	6.378 E	11		1.0	24	FRANCE. ML 3.0 (LDG). MD 2.8 (STR).
25	15 58 33.2*	63.639 N	9.044 E	10 G		0.7	4	SOUTHERN NORWAY. MD 2.1 (BER).
25	16 27 44.9	60.316 N	1.573 E	18		0.9	20	NORTH SEA. MD 3.4 (BER).
25	18 07 51.8	13.397 N	90.694 W	28	5.0 4.3	1.1	97	NEAR COAST OF GUATEMALA
25	18 27 19.9*	41.375 N	21.013 E	10 G		1.5	5	YUGOSLAVIA. ML 2.5 (SKO). Felt (III) in the Debar area.
25	18 35 43.5	25.516 S	179.858 E	479 D	5.1	1.1	68	SOUTH OF FIJI ISLANDS
25	19 06 37.5*	3.091 N	79.303 W	30 *	3.9	0.5	8	SOUTH OF PANAMA
25	20 05 32.7	47.487 N	10.976 E	10		1.2	70	AUSTRIA. ML 3.5 (GRF), 3.4 (KBA), 3.4 (LDG).
25	20 11 33.4	45.876 N	7.230 E	5 G		1.2	10	NORTHERN ITALY. MD 2.5 (STR). ML 2.5 (LDG).
25	20 43 56.3*	31.13 S	68.32 W	80 G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
25	21 08 32.8*	2.38 N	96.54 E	33 N	4.7	1.6	5	NORTHERN SUMATERA
25	21 40 10.6*	44.13 N	8.01 E	10 G		0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
25	22 59 46.0*	23.075 N	120.896 E	10 G		0.6	6	TAIWAN
25	23 30 46.6*	32.93 N	105.36 E	33 N		0.3	4	SICHUAN PROVINCE, CHINA. ML 4.4 (BJI).
25	23 48 58.9*	42.531 N	19.148 E	10 G		0.6	6	YUGOSLAVIA. ML 1.3 (TTG).
26	00 24 11.7	24.014 N	122.542 E	30	4.7 4.7	1.1	64	TAIWAN REGION
26	00 43 46.1*	16.08 N	61.35 W	33 N		0.7	4	LEEWARD ISLANDS. ML 2.6 (FDF).
26	00 56 39.4*	15.05 N	99.10 W	33 N		1.1	5	OFF COAST OF GUERRERO, MEXICO
26	01 45 32.3*	42.828 N	0.762 W	10 G		0.3	9	PYRENEES. MD 1.0 (STR).
26	02 02 55.0*	12.948 S	74.502 W	89 ?	3.7	0.6	8	PERU
26	03 34 20.0*	43.230 N	20.763 E	10 G		0.2	7	YUGOSLAVIA. MG 2.9 (BEO).

26	03 49 37.5*	9.125 S	121.270 E	33 N	4.6	1.4	8	SAVU SEA
26	03 55 08.8	45.055 N	7.588 E	16		0.7	41	NORTHERN ITALY. ML 3.0 (LDG), 3.0 (GEN).
26	03 57 42.2%	37.016 N	29.502 E	10 G		0.3	7	TURKEY. MD 3.6 (ISK).
26	04 18 36.4%	46.437 N	4.410 E	10 G		0.3	6	FRANCE. ML 1.9 (LDG).
26	05 11 44.2?	33.90 N	132.43 E	56 ?	4.1	0.4	5	SHIKOKU, JAPAN. Felt (IV) at Iwakuni.
26	05 25 24.8*	5.435 S	129.734 E	227 *	5.0	1.0	11	BANDA SEA
26	05 30 37.9%	48.097 N	120.885 W	1			82	WASHINGTON. <SEA>. CL 3.1 (SEA).
26	05 57 09.4%	44.475 N	6.756 E	10 G		0.5	7	FRANCE. ML 2.3 (GEN).
26	06 09 34.5?	32.33 S	179.54 E	282 ?	4.4	1.1	10	SOUTH OF KERMADEC ISLANDS
a 26	06 16 42.9%	61.250 N	150.153 W	38	5.4 4.9		310	SOUTHERN ALASKA. <AEIC>. ML 5.3 (AEIC), 5.1 (PMR). Some power outages occurred in the Anchorage area. Felt (V) at Anchorage, Chugiak, Eagle River, Elmendorf Air Force Base, Kenai, Palmer, Wasilla, Willow and Whittier; (IV) at Homer, Hope, Skwentna, Soldatna, Talkeetna and Tyonek; (III) at Moose Pass, Ninilchik and Sutton; (II) at Seward.
26	06 24 35.9%	61.242 N	150.197 W	39	4.2		87	SOUTHERN ALASKA. <AEIC>. ML 4.0 (AEIC), 4.0 (PMR). Felt in the Anchorage area.
26	06 36 56.5*	31.734 S	69.418 W	109 ?		0.5	7	SAN JUAN PROVINCE, ARGENTINA
26	07 02 11.8%	61.288 N	150.169 W	44			42	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
26	07 47 37.6*	41.067 N	29.290 E	10 G		0.8	5	TURKEY
26	08 07 53.4%	61.270 N	150.146 W	40			38	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
26	08 20 54.8%	38.058 N	112.738 W	3			14	UTAH. <SLC-P>. ML 3.1 (SLC).
26	08 45 02.1%	61.300 N	150.183 W	37			9	SOUTHERN ALASKA. <AEIC>.
26	08 49 05.6%	61.285 N	150.148 W	40			10	SOUTHERN ALASKA. <AEIC>.
26	08 55 12.6*	35.899 N	79.736 E	118 ?	3.3	0.3	7	KASHMIR-TIBET BORDER REGION
26	09 05 32.5?	38.83 N	141.56 E	33 N	3.9	0.2	5	NEAR EAST COAST OF HONSHU, JAPAN
26	09 15 51.1	20.733 N	89.563 E	33 N	4.7	1.1	28	BAY OF BENGAL
26	09 19 28.3	40.815 N	29.591 E	7 ?		0.7	7	TURKEY. MD 2.5 (ISK).
26	09 24 04.6?	47.25 N	11.28 E	10 G		0.1	4	AUSTRIA. ML 1.2 (VIE).
26	09 54 33.6%	61.269 N	150.173 W	39			62	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC), 3.1 (PMR).
26	10 32 43.9%	61.296 N	150.173 W	44			11	SOUTHERN ALASKA. <AEIC>.
26	10 44 13.0%	39.108 N	27.618 E	10 G		0.2	6	TURKEY. MD 2.6 (ISK).
26	10 55 23.7?	32.17 S	67.30 W	10 G		1.1	7	MENDOZA PROVINCE, ARGENTINA
26	11 38 23.1%	61.321 N	150.190 W	42			9	SOUTHERN ALASKA. <AEIC>.
26	11 38 36.6%	60.186 N	140.989 W	0			22	SOUTHEASTERN ALASKA. <AEIC>. ML 2.8 (AEIC).
26	12 19 13.5?	39.12 N	27.61 E	10 G		0.6	4	TURKEY
26	13 08 20.6	36.627 N	112.345 W	10 G	3.3	0.9	21	WESTERN ARIZONA. ML 3.9 (GS). Felt (IV) at Grand Canyon and Fredonia. Also felt (IV) at Kanab, Utah.
26	13 49 38.2%	39.624 N	29.469 E	10 G		0.9	7	TURKEY. MD 2.8 (ISK).
26	14 13 17.1	45.229 N	6.765 E	10 G		1.5	10	FRANCE. ML 2.7 (LDG).
26	14 16 35.1	45.298 N	6.600 E	10 G		0.7	24	FRANCE. ML 3.1 (LDG), 2.8 (GEN).
26	14 19 03.1%	61.270 N	150.176 W	47			36	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
26	14 38 01.8*	15.764 S	173.967 W	172 *	4.8	1.2	32	TONGA ISLANDS. Mo=5.0*10**17 Nm (PPT).
26	14 53 21.3%	45.285 N	6.490 E	10 G		0.2	5	FRANCE. ML 1.8 (GEN).
26	15 05 15.4*	9.128 N	126.391 E	60 G	4.2	0.7	10	MINDANAO, PHILIPPINE ISLANDS
26	15 24 58.3*	51.607 N	9.154 E	10 G		1.4	6	GERMANY. ML 2.7 (BNS).
26	15 42 34.6%	20.835 N	155.374 W	1	3.3		39	HAWAII. <HVO-P>. ML 3.9 (HVO).
26	16 02 40.2	9.350 S	119.742 E	33 N	5.0	0.8	14	SUMBA ISLAND REGION
26	16 24 59.0	39.255 N	23.084 E	12	3.4	1.1	27	AEGEAN SEA. ML 3.3 (ATH).
26	16 28 11.1	40.653 N	29.096 E	10 G		0.5	14	TURKEY. MD 3.0 (ISK).
26	17 07 17.0	28.091 N	55.311 E	33 N	4.4	1.5	36	SOUTHERN IRAN
26	17 10 45.1%	61.265 N	150.115 W	30			7	SOUTHERN ALASKA. <AEIC>.
a 26	17 36 54.5	7.525 N	126.577 E	74 D	5.5	1.1	171	MINDANAO, PHILIPPINE ISLANDS. Mo=1.6*10**17 Nm (PPT).
26	18 51 40.2%	43.195 N	127.490 W	9			45	OFF COAST OF OREGON. <SEA>.
26	19 06 52.8%	46.789 N	9.861 E	10 G		1.2	5	SWITZERLAND
26	19 08 34.4	39.267 N	22.934 E	10 G		0.7	17	GREECE. ML 3.0 (ATH), MD 3.0 (THE).
26	19 14 20.5*	41.131 N	15.199 E	21 *		0.6	6	SOUTHERN ITALY
26	20 15 10.0*	7.280 S	130.682 E	33 N	4.6	1.4	5	TANIMBAR ISLANDS REGION
26	20 32 38.9*	31.637 S	68.627 W	97 ?		0.9	12	SAN JUAN PROVINCE, ARGENTINA
26	21 07 35.8?	31.73 S	69.61 W	110 G		0.1	5	SAN JUAN PROVINCE, ARGENTINA
26	21 47 38.5*	14.221 S	75.514 W	67 *	4.1	1.4	14	NEAR COAST OF PERU. Felt at Huaraz.
26	22 23 40.4%	16.349 N	61.375 W	10 G		1.3	6	LEEWARD ISLANDS. ML 2.4 (FDF).
a 26	22 24 05.3	38.979 N	70.996 E	45 *	5.3 4.9	1.1	206	AFGHANISTAN-USSR BORDER REGION. Felt (IV) at Leninabad and Dzhirgatal; (III) at Garm; (II) at Ragun and Dushanbe, USSR. Felt (III) at Kabul, Afghanistan.
26	22 35 11.3	43.446 N	16.244 E	12		1.0	59	YUGOSLAVIA. ML 3.9 (ZAG), 3.8 (KBA), 3.7 (TTG). Felt at Sinj, Kostela, Split and Trogir.
26	23 25 26.7?	15.09 S	175.38 W	230 G	4.7	0.9	10	TONGA ISLANDS
27	00 10 13.7?	26.45 N	126.27 E	142 ?	3.8	0.5	7	RYUKYU ISLANDS
27	00 36 21.5	60.864 N	166.920 E	33 N	5.1 4.4	0.7	74	EASTERN SIBERIA
27	00 39 13.2	36.441 N	71.277 E	241 *	4.4	0.9	42	AFGHANISTAN-USSR BORDER REGION. Felt (V) at Kulyab and (II) at Dushanbe, Dangara and Savetskiy, USSR. Also felt (II) at Kabul, Afghanistan.
27	00 56 59.1*	38.687 N	15.837 E	93 ?		1.0	11	SICILY
27	02 14 07.0%	36.990 N	29.446 E	10 G		0.9	5	TURKEY. MD 3.6 (ISK).
27	02 29 35.4	40.172 N	113.140 E	10 G	4.2	1.1	11	NORTHEASTERN CHINA. ML 3.7 (BJI).
27	02 46 03.0%	46.503 N	2.938 E	10 G		0.1	7	FRANCE. ML 2.1 (LDG).
27	02 46 31.7*	69.987 N	156.096 W	33 N	3.2	1.3	10	ALASKA. ML 3.5 (PMR).
27	03 31 58.5*	40.093 N	43.719 E	10 G	4.2	1.5	21	TURKEY-USSR BORDER REGION
27	03 58 04.2?	47.01 N	1.53 W	10 G		0.3	5	FRANCE. ML 2.1 (LDG).
27	04 00 38.9%	61.643 N	149.613 W	34			67	SOUTHERN ALASKA. <AEIC>. ML 3.3 (PMR), 2.6 (AEIC).
27	04 16 14.2?	42.82 N	13.47 E	10 G		0.4	4	CENTRAL ITALY
27	04 25 30.0*	51.198 N	16.021 E	10 G		0.5	5	POLAND
27	05 06 46.3	60.661 N	152.486 W	125 *	2.9	0.6	11	SOUTHERN ALASKA. Felt (IV) at Nikiski.
27	05 18 10.5%	61.383 N	4.406 E	10 G		0.6	5	SOUTHERN NORWAY. MD 1.6 (BER).
27	05 41 55.1%	44.454 N	6.643 E	10 G		0.2	5	FRANCE
a 27	05 42 41.7	10.256 N	83.243 W	10 G	5.3 4.8	1.0	164	COSTA RICA. MD 5.2 (SJR). Felt in the Atlantic region of Costa Rica and in Bocas del Toro Province, Panama.
27	05 46 59.9%	40.196 N	23.530 E	10 G		1.0	5	GREECE
27	05 51 23.3*	9.056 N	126.551 E	98 ?	4.5	0.9	15	MINDANAO, PHILIPPINE ISLANDS
27	08 08 18.5*	18.585 S	169.764 E	305 *	4.6	0.7	15	VANUATU ISLANDS
27	08 25 39.3*	9.780 N	82.578 W	10 G	4.3 3.4	1.5	11	PANAMA-COSTA RICA BORDER REGION. MD 4.6 (SJR). Felt in

											the Atlantic region of Costa Rica and in Bocas del Toro Province, Panama.										
27	08	57	18.4?	39.24	N	27.65	E	10	G	0.9	5	TURKEY. MD 2.6 (ISK).									
27	09	07	40.6?	39.082	N	27.567	E	10	G	0.3	6	TURKEY. MD 2.7 (ISK).									
27	09	14	29.8?	39.47	N	29.64	E	5	G	0.8	6	TURKEY. MD 2.8 (ISK).									
o	27	09	51	11.9	36.461	N	70.555	E	209	D	4.9	1.0	182	HINDU KUSH REGION. Felt (III) at Kabul, Afghanistan.							
27	09	54	32.2?	39.47	N	29.51	E	10	G	0.9	4	TURKEY. MD 2.5 (ISK).									
27	10	04	56.5	29.703	N	94.755	E	33	N	4.4	0.8	28	INDIA-CHINA BORDER REGION								
27	11	07	29.0	20.013	S	178.153	W	592		4.4	1.0	71	FIJI ISLANDS REGION								
27	12	12	20.4	4.496	S	102.821	E	108	*	5.1	0.9	41	SOUTHERN SUMATERA								
27	12	15	28.3*	17.537	S	167.257	E	33	N		1.5	6	VANUATU ISLANDS								
27	12	42	02.7?	41.140	N	28.483	E	10	G		0.5	8	TURKEY. MD 2.8 (ISK).								
27	12	59	43.0*	42.308	N	126.535	W	10	G	3.6	0.7	48	OFF COAST OF OREGON								
27	13	05	07.5*	9.995	N	83.188	W	10	G	4.5	1.1	21	COSTA RICA. MD 4.8 (SJR). Felt.								
27	13	54	44.6?	37.717	N	14.976	E	10	G		0.6	5	SICILY								
27	13	56	32.3?	37.733	N	15.018	E	10	G		1.1	6	SICILY								
27	14	48	42.4	17.185	N	100.298	W	53		4.6 4.1	0.8	38	GUERRERO, MEXICO								
27	15	15	23.4?	31.68	S	69.73	W	110	G		0.4	6	SAN JUAN PROVINCE, ARGENTINA								
27	15	15	46.0?	41.135	N	28.969	E	11			0.4	9	TURKEY. MD 2.5 (ISK).								
27	15	38	50.2	39.646	N	19.750	E	10	G	3.6	0.8	16	GREECE-ALBANIA BORDER REGION. ML 4.1 (ATH). MD 3.8 (THE).								
27	15	42	26.2?	56.481	N	151.339	W	10	G	4.3		70	KODIAK ISLAND-REGION. <AEIC>. ML 4.2 (PMR), 4.1 (AEIC).								
27	15	45	42.4?	10.09	S	73.85	W	85	?		0.9	5	PERU								
27	15	55	00.2	39.722	N	19.680	E	57	*	4.1	1.0	48	GREECE-ALBANIA BORDER REGION. MD 4.2 (ATH).								
27	16	35	02.5	18.918	N	145.851	E	151	*	4.8	1.0	62	MARIANA ISLANDS								
a	27	18	21	08.8	60.799	N	166.880	E	33	N	5.5 5.0	0.9	227	EASTERN SIBERIA. Mo=1.0*10**17 Nm (PPT).							
27	18	44	53.3	46.585	N	15.190	E	10	G	3.9	1.2	108	YUGOSLAVIA. ML 4.2 (FUR), 4.0 (TTG). MD 3.9 (TRI). Felt (VI) in the Vuzenica-Muta area. Felt throughout northern Yugoslavia. Also felt in southern Austria.								
27	19	09	12.8	11.204	N	62.004	W	33	N		0.7	7	WINDWARD ISLANDS. MD 3.2 (TRN).								
27	19	27	05.4	5.920	S	147.041	E	76		5.0	0.9	73	EAST PAPUA NEW GUINEA REGION								
27	19	41	04.6?	40.64	N	16.11	E	10	G		0.8	4	SOUTHERN ITALY								
27	19	50	11.8	40.751	N	15.782	E	10	G		0.8	8	SOUTHERN ITALY								
27	19	54	30.2	43.158	N	17.505	E	10	G		1.1	27	YUGOSLAVIA. ML 3.4 (TTG), 3.2 (KBA), 3.1 (ZAG).								
27	20	08	28.5	9.183	N	126.456	E	58	*	5.2 4.4	1.1	75	MINDANAO, PHILIPPINE ISLANDS								
27	20	12	23.3?	35.51	N	35.46	E	10	G		1.2	4	JORDAN - SYRIA REGION. ML 3.5 (BHL).								
27	20	29	44.1	38.104	N	69.791	E	33	N	4.4	0.8	16	TAJIK SSR								
27	21	33	47.9*	18.113	S	178.397	W	584	?	4.9	1.1	37	FIJI ISLANDS REGION								
27	21	59	52.4?	31.17	S	68.37	W	66	?		0.6	6	SAN JUAN PROVINCE, ARGENTINA								
27	22	06	40.6?	49.012	N	129.110	W	10	G	3.4		39	VANCOUVER ISLAND REGION. <PGC>. ML 3.6 (PGC).								
27	22	37	38.0*	37.883	N	142.778	E	33	N	4.0	1.1	16	OFF EAST COAST OF HONSHU, JAPAN								
27	23	39	41.5*	5.126	S	144.008	E	74	*	4.9	0.8	12	PAPUA NEW GUINEA								
28	00	23	01.7*	10.846	N	62.462	W	123	*	4.2	1.3	18	NEAR COAST OF VENEZUELA								
28	00	25	01.7?	31.69	S	68.28	W	99	?		0.1	6	SAN JUAN PROVINCE, ARGENTINA								
28	00	32	16.9	45.594	N	14.502	E	10	G		0.2	6	YUGOSLAVIA. MD 2.4 (LJU).								
28	01	19	05.9*	46.472	N	15.151	E	10	G		1.5	5	YUGOSLAVIA. ML 2.3 (KBA). Felt (V) in the Muta area.								
28	01	32	13.5?	40.412	N	124.665	W	14				11	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.5 (BRK). Felt (IV) at Haneydew and (III) at Petrolia.								
28	01	57	30.9?	17.47	N	61.63	W	10	G		0.1	4	LEEWARD ISLANDS. ML 2.8 (FDF).								
28	02	56	13.2?	42.09	N	12.90	E	10	G		0.1	4	CENTRAL ITALY								
28	03	44	18.8*	28.187	N	51.505	E	10	G	3.9	0.8	8	SOUTHERN IRAN								
28	04	31	53.1*	8.110	S	128.107	E	79	*	4.7	1.4	20	TIMOR SEA								
28	05	17	06.8	47.070	N	9.165	E	10	G		0.4	11	GERMANY. ML 2.5 (LDG).								
28	05	21	14.7	42.983	N	1.931	W	10	G		0.6	26	PYRENEES. mbLg 3.1 (MDD). ML 3.1 (LDG).								
28	08	09	45.1	6.093	S	76.942	W	35		4.7	0.8	47	NORTHERN PERU								
28	09	09	04.1?	39.59	N	29.43	E	10	G		1.5	4	TURKEY. MD 2.5 (ISK).								
28	09	47	29.6*	37.597	N	71.369	E	33	N	3.8	1.0	9	AFGHANISTAN-USSR BORDER REGION								
28	09	49	46.1?	39.108	N	27.693	E	29	*		0.4	6	TURKEY. MD 2.6 (ISK).								
28	10	42	33.6	37.775	N	2.495	W	10	G		0.9	16	SPAIN. mbLg 3.1 (MDD). Felt (III) at Huescar.								
28	11	06	04.4	9.460	N	126.735	E	41	?	4.4 3.8	1.4	16	MINDANAO, PHILIPPINE ISLANDS								
28	11	25	47.7	38.037	N	20.183	E	10	G	3.7	1.3	17	GREECE. ML 3.6 (ATH).								
28	13	29	32.5?	44.32	N	7.37	E	10	G		0.1	4	NORTHERN ITALY								
28	14	22	05.6?	59.838	N	151.708	W	66				42	KENAI PENINSULA, ALASKA. <AEIC>.								
28	14	37	45.0?	58.284	N	142.744	W	10	G			12	GULF OF ALASKA. <AEIC>. ML 2.5 (AEIC).								
28	14	52	17.4	23.906	N	121.865	E	10	G	4.0	1.2	14	TAIWAN								
28	15	33	02.9	30.726	N	71.806	E	26	D	4.6 3.9	0.8	51	PAKISTAN								
28	15	42	32.5*	2.763	S	134.584	E	33	N	4.7	1.5	14	WEST IRIAN REGION								
28	15	48	25.1?	17.72	N	61.69	W	5	G		0.3	4	LEEWARD ISLANDS. ML 2.9 (FDF).								
28	16	15	21.0*	1.521	S	99.607	E	33	N	4.6	1.3	10	SOUTHERN SUMATERA								
28	17	43	32.8	43.174	N	0.546	W	10	G		0.8	19	PYRENEES. ML 3.3 (LDG). Felt (IV) at Oloran Ste. Marie, France.								
28	18	17	17.3*	9.133	N	126.595	E	87	*	4.5	1.1	23	MINDANAO, PHILIPPINE ISLANDS								
28	19	47	58.7?	31.31	S	68.58	W	80	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA								
28	21	24	26.5	45.653	N	26.319	E	166		4.1	1.0	47	ROMANIA								
28	21	30	35.6?	59.882	N	152.661	W	95				37	SOUTHERN ALASKA. <AEIC>.								
28	21	53	03.2?	37.258	N	121.628	W	8				15	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=1.1*10**14 Nm (BRK).								
28	21	55	38.5*	62.493	S	165.031	E	10	G	4.5 5.2	0.9	9	BALLENY ISLANDS REGION. Mo=1.0*10**17 Nm (PPT).								
28	22	19	27.1?	41.43	N	126.11	W	10	G	3.0	0.4	25	OFF COAST OF NORTHERN CALIFORNIA								
28	23	54	30.9	50.010	N	156.123	E	66	*	4.8	0.9	120	KURIL ISLANDS								
29	00	23	03.2?	10.74	N	62.13	W	70	G		0.5	7	NEAR COAST OF VENEZUELA. MD 3.9 (TRN).								
29	00	27	36.7?	42.35	N	13.49	E	5	G		0.8	4	CENTRAL ITALY								
29	00	51	44.8?	13.89	N	92.59	W	62	?	4.6	1.0	7	OFF COAST OF CHIAPAS, MEXICO								
29	01	52	36.5*	60.872	N	167.007	E	33	N	4.5	0.5	26	EASTERN SIBERIA								
29	03	21	55.7	49.178	N	7.007	E	10	G		1.2	9	GERMANY								
29	03	46	00.9?	51.17	N	15.92	E	10	G		0.7	4	POLAND								
29	04	01	37.3	41.712	N	24.266	E	10	G		0.9	21	GREECE-BULGARIA BORDER REGION. MD 2.7 (THE).								
29	04	02	39.8?	16.55	N	61.05	W	33	?		0.1	5	LEEWARD ISLANDS. ML 2.6 (FDF).								
29	05	12	45.7?	16.96	S	179.09	W	671	?	4.3	1.1	11	FIJI ISLANDS REGION								
29	06	03	00.8?	31.16	S	68.31	W	80	G		0.4	5	SAN JUAN PROVINCE, ARGENTINA								
29	06	46	03.6	37.968	N	142.466	E	38		4.5 4.1	1.2	35	OFF EAST COAST OF HONSHU, JAPAN								
a	29	06	54	54.2	20.762	S	174.146	W	39	D	5.2 4.9	1.1	60	TONGA ISLANDS. Mo=1.3*10**17 Nm (PPT).							
29	07	04	48.7?	32.100	N	115.620	W	6	G			6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.5 (PAS).								

29	07 25 21.4	42.601 N	18.922 E	10 G	0.9	11	YUGOSLAVIA. ML 2.4 (TTG).
29	07 53 07.3	40.750 N	29.986 E	22	1.1	13	TURKEY. MD 3.3 (ISK).
f 29	09 12 48.1	42.453 N	43.673 E	17 G 6.2 7.0	1.2	500	WESTERN CAUCASUS. Ms 7.3 (BRK), 6.9 (PAS). Mo=8.0*10**19 Nm (PPT). At least 114 people killed, about 1,000 injured, 70 missing, 67,000 homeless and severe damage (VIII) and landslides in the Dzhava-Chiotura-Ambrolauri area, USSR with 95 percent of buildings destroyed in the area. Felt (VI) in the Kutoisi area; (V) at Leninakan and Tbilisi; (IV) at Kirovakan and Spitak. Felt throughout the western Caucasus and Trans-Caucasus from Sukhumi to Groznyy and Yerevan, USSR. Landslides created a natural dam on the Potas River. This was breached several days later, causing additional damage in the Dzhava-Tskhinvali area. Also felt in Ardahan, Artvin, Kars and Rize Provinces, Turkey. Two events about three seconds apart. Depth from broadband displacement seismograms, based on second event.
29	09 16 42.1*	5.975 S	154.099 E	33 N 4.4	0.3	8	SOLOMON ISLANDS
29	09 37 37.2	42.568 N	43.881 E	10 G 4.9	1.0	65	WESTERN CAUCASUS
29	09 59 24.0	42.617 N	43.400 E	10 G 4.6	1.1	64	WESTERN CAUCASUS
29	10 01 12.4	42.356 N	43.864 E	10 G 4.8	1.1	77	WESTERN CAUCASUS
29	10 15 34.7*	42.783 N	43.864 E	10 G 4.5	1.4	41	WESTERN CAUCASUS
29	10 19 41.3*	42.216 N	43.589 E	10 G 4.5	1.1	24	WESTERN CAUCASUS
29	10 20 35.7*	42.083 N	0.415 E	10 G	1.3	5	PYRENEES. mbLg 3.0 (MDD).
29	10 30 45.5*	43.245 N	42.644 E	10 G 4.3	0.8	8	WESTERN CAUCASUS
29	10 52 42.2	42.712 N	44.102 E	10 G 4.6	1.2	57	WESTERN CAUCASUS
29	11 04 28.9*	42.510 N	43.816 E	10 G 4.3	1.0	13	WESTERN CAUCASUS
29	11 10 11.9	42.584 N	43.904 E	10 G 4.7 4.5	1.0	67	WESTERN CAUCASUS
29	11 26 24.5?	33.13 S	67.89 W	33 N	0.3	6	MENDOZA PROVINCE, ARGENTINA
29	11 51 10.3	42.572 N	43.816 E	10 G 4.9 4.9	1.1	121	WESTERN CAUCASUS
29	11 59 54.8	42.625 N	43.962 E	10 G 4.5	1.2	69	WESTERN CAUCASUS
29	12 17 50.8	45.677 N	26.596 E	171 3.4	0.8	26	ROMANIA
29	12 49 39.4	9.931 N	83.471 W	10 G 4.5	0.8	22	COSTA RICA. MD 4.7 (SJR). Felt.
29	13 12 41.7*	42.602 N	42.897 E	10 G 3.8	0.8	7	WESTERN CAUCASUS
29	13 25 17.6*	31.253 S	69.277 W	33 N	0.9	5	SAN JUAN PROVINCE, ARGENTINA
29	13 25 49.4*	39.110 N	27.638 E	5 G	0.1	5	TURKEY. MD 2.6 (ISK).
29	13 27 09.3?	41.64 N	44.04 E	10 G 4.2	1.1	9	WESTERN CAUCASUS
29	13 49 58.3	42.542 N	43.337 E	10 G 4.6	1.1	41	WESTERN CAUCASUS
29	13 59 29.4	40.863 N	22.899 E	10 G	0.3	7	GREECE. ML 1.8 (SKO).
29	14 43 06.3	42.515 N	43.937 E	10 G 5.4 5.1	1.1	261	WESTERN CAUCASUS
29	14 46 17.6&	62.292 N	147.818 W	47		60	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).
29	15 28 45.7	42.405 N	43.448 E	10 G 4.3	1.0	16	WESTERN CAUCASUS
29	15 36 26.8	44.427 N	152.323 E	33 N 4.8	1.4	53	KURIL ISLANDS REGION
29	16 02 31.7	66.111 N	142.055 W	10 G	0.7	32	ALASKA. ML 3.5 (AEIC).
29	16 27 26.7?	37.66 N	22.12 E	10 G	0.7	5	SOUTHERN GREECE
29	16 48 42.9*	43.057 N	44.399 E	10 G 4.3	1.1	19	WESTERN CAUCASUS
29	16 49 57.8*	42.854 N	44.062 E	10 G 4.5	1.2	12	WESTERN CAUCASUS
29	16 51 27.4	43.541 N	132.278 E	495 4.7	0.9	96	NEAR E. COAST OF EASTERN USSR
29	16 58 50.7*	42.756 N	43.556 E	10 G 4.0	1.1	6	WESTERN CAUCASUS
29	17 10 27.2*	42.224 N	43.409 E	10 G 4.6	0.3	9	WESTERN CAUCASUS
29	17 21 29.3?	42.93 N	43.88 E	10 G 4.3 3.8	1.5	10	WESTERN CAUCASUS
29	17 55 00.2	42.774 N	44.029 E	10 G 4.4	1.2	29	WESTERN CAUCASUS
29	18 00 07.2%	45.439 N	27.033 E	10 G	0.9	6	ROMANIA
a 29	18 12 23.2	11.258 S	77.672 W	58 D 5.7	1.0	261	NEAR COAST OF PERU. mb 5.5 (BRK). Mo=1.6*10**18 Nm (PPT). One adobe house destroyed and damage (V) to several other buildings at Huacho. Felt (IV) at Lima and Chimbote and (III) at Huoraz.
29	18 23 15.2	42.583 N	43.764 E	10 G 5.5	1.3	264	WESTERN CAUCASUS
29	18 28 17.5*	51.004 N	178.378 W	33 N 4.7	1.6	12	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR). Felt (III) on Adak.
a 29	18 30 41.5	42.503 N	43.899 E	14 G 5.9 6.0	1.0	352	WESTERN CAUCASUS. Felt strongly in the Dzhava-Chiotura-Ambrolauri area, USSR. Depth from broadband displacement seismograms.
29	19 03 02.4?	38.47 N	20.97 E	10 G	1.0	6	GREECE. MD 3.1 (THE).
29	19 06 08.3&	60.430 N	149.446 W	28		47	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC).
29	19 07 03.7	42.494 N	43.690 E	10 G 4.5	1.3	51	WESTERN CAUCASUS
29	19 19 57.8*	43.065 N	44.030 E	10 G 4.4	1.3	22	WESTERN CAUCASUS
29	19 41 18.9*	9.092 N	126.675 E	74 ? 4.7	1.3	25	MINDANAO, PHILIPPINE ISLANDS
29	19 44 54.7	42.585 N	43.966 E	10 G 4.5	1.3	44	WESTERN CAUCASUS
29	20 11 59.7?	41.83 N	44.61 E	10 G 4.3	1.2	16	WESTERN CAUCASUS
29	20 19 48.6?	42.71 N	43.31 E	10 G 3.8	0.4	5	WESTERN CAUCASUS
29	20 24 43.1	42.557 N	43.809 E	10 G 4.7	1.2	96	WESTERN CAUCASUS
29	20 32 54.2	42.541 N	43.333 E	10 G 5.4 5.0	1.1	245	WESTERN CAUCASUS
29	20 46 17.5%	40.318 N	27.870 E	10 G	0.3	6	TURKEY. MD 2.8 (ISK).
29	20 49 58.0?	35.35 N	12.29 E	33 N	0.9	10	MEDITERRANEAN SEA
29	21 24 09.3	42.205 N	43.676 E	10 G 4.5	1.4	40	WESTERN CAUCASUS
29	21 31 56.1	44.120 N	19.100 E	10 G	0.9	44	YUGOSLAVIA. ML 3.8 (ZAG), 3.7 (TTG).
29	21 38 15.1	44.113 N	19.074 E	19	1.0	116	YUGOSLAVIA. ML 4.8 (ZAG), 4.8 (TIR), 4.7 (TTG). Felt in the Srebrenica area.
a 29	22 06 02.0	5.623 N	125.330 E	74 5.3	1.3	106	MINDANAO, PHILIPPINE ISLANDS
29	22 28 23.0	42.709 N	43.858 E	10 G 4.7	1.1	66	WESTERN CAUCASUS
29	22 44 59.0	9.641 N	82.932 W	10 G 4.8 4.6	1.2	54	PANAMA-COSTA RICA BORDER REGION. MD 5.0 (UPA), 4.9 (SJR). Felt in Costa Rica and at David, Puerto Armuelles and Changuinola, Panama.
29	22 48 38.5?	9.37 N	83.01 W	10 G 4.0	1.0	15	COSTA RICA. MD 4.0 (UPA). Felt at David, Puerto Armuelles and Changuinola, Panama.
29	23 29 08.6?	42.23 N	28.05 E	10 G	0.4	6	BLACK SEA. MD 3.1 (ISK).
29	23 32 29.0	42.571 N	43.891 E	10 G 4.5 4.6	1.3	30	WESTERN CAUCASUS
a 30	02 16 33.0	5.926 N	82.612 W	10 G 5.5 5.3	1.2	234	SOUTH OF PANAMA. Ms 5.4 (PAS). Mo=6.0*10**17 Nm (PPT). Felt at David, Panama.
30	02 26 23.3%	39.213 N	29.584 E	10 G	0.7	7	TURKEY. MD 2.7 (ISK).
30	02 28 26.5?	41.95 N	44.01 E	10 G 3.9	1.2	6	WESTERN CAUCASUS

1 01 59 04.75 16.550S 172.591W 33km
 5.3mb (29 obs.) 5.0Msz (8 obs.)
 SAMOA ISLANDS REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 34C
 Centroid Location:
 Origin Time 01:59: 8.0 0.7
 Lat 16.54S 0.10 Lon 172.41W 0.06
 Dep 15.0 FIX Half-duration 2.1
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.98 P1g=62 Azm=295
 N 0.19 0 204
 P -2.17 28 114
 Best Double Couple: Mo=2.1*10**17
 NP1: Strike=203 Dip=17 Slip= 89
 NP2: 24 73 90

03 53 04.66 15.746N 95.738E 15km
 5.4mb (70 obs.) 6.1Msz (18 obs.)
 SOUTH BURMA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 13S, 32C
 Centroid Location:
 Origin Time 03:53: 8.6 0.4
 Lat 15.89N 0.04 Lon 95.53E 0.03
 Dep 58.7 2.4 Half-duration 3.7
 Principal Axes:
 Scale 10**17 Nm
 T Val= 9.63 P1g= 2 Azm=328
 N 1.71 87 103
 P -11.34 2 238
 Best Double Couple: Mo=1.0*10**18
 NP1: Strike= 13 Dip=87 Slip=-180
 NP2: 283 90 -3

05 03 58.70 22.359N 106.994W 10km
 4.8mb (18 obs.) 5.5Msz (7 obs.)
 NEAR COAST OF CENTRAL MEXICO
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 8S, 20C

Centroid Location:
 Origin Time 05:03:51.2 2.5
 Lat 21.63N 0.23 Lon 106.60W 0.16
 Dep 15.0 FIX Half-duration 3.0
 Principal Axes:
 Scale 10**17 Nm
 T Val= 2.83 P1g=52 Azm=343
 N 0.87 7 82
 P -3.71 37 177
 Best Double Couple: Mo=3.3*10**17
 NP1: Strike=303 Dip=10 Slip= 132
 NP2: 81 82 83

01 05 25 27.09 4.919S 152.018E 90km
 6.0mb (71 obs.)
 NEW BRITAIN REGION
 FAULT PLANE SOLUTION: P-Waves
 NP1: Strike= 20 Dip=80 Slip= 90
 NP2: 280 10 90
 Principal Axes:
 T P1g=55 Azm=290
 N 35 110
 Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting. The preferred fault
 plane is NP2.
 RADIATED ENERGY
 No. of sta: 8 Focal mech. C
 Energy 2.4±0.6*10**12 Nm
 MOMENT TENSOR SOLUTION
 Dep 94 No. of sta: 6
 Principal Axes:
 Scale 10**17 Nm
 T Val= 5.41 P1g=67 Azm=268
 N -0.05 3 5
 P -5.37 23 97
 Best Double Couple: Mo=5.4*10**17
 NP1: Strike=193 Dip=22 Slip= 98
 NP2: 4 68 87
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 18S, 47C
 Centroid Location:
 Origin Time 05:25:33.7 0.4
 Lat 5.08S 0.05 Lon 152.45E 0.04
 Dep 61.8 BDY Half-duration 3.0
 Principal Axes:
 Scale 10**17 Nm
 T Val= 4.94 P1g=62 Azm=311
 N 0.75 7 207
 P -5.69 27 113
 Best Double Couple: Mo=5.3*10**17
 NP1: Strike=185 Dip=19 Slip= 67
 NP2: 29 73 98

01 07 34 45.91 16.175N 98.278W 21km
 5.5mb (58 obs.) 5.4Msz (16 obs.)
 NEAR COAST OF GUERRERO, MEXICO
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 41C
 Centroid Location:
 Origin Time 07:34:55.6 0.5
 Lat 16.70N 0.05 Lon 97.68W 0.05
 Dep 39.8 3.3 Half-duration 3.1
 Principal Axes:
 Scale 10**17 Nm
 T Val= 6.08 P1g=53 Azm=247
 N 0.33 37 77
 P -6.41 5 343
 Best Double Couple: Mo=6.2*10**17
 NP1: Strike= 40 Dip=51 Slip= 40
 NP2: 283 60 134

01 09 01 31.47 16.279N 98.101W 44km
 5.1mb (29 obs.) 4.8Msz (2 obs.)
 NEAR COAST OF GUERRERO, MEXICO
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 12S, 25C
 Centroid Location:
 Origin Time 09:01:36.8 0.9
 Lat 16.50N 0.10 Lon 98.05W 0.10
 Dep 15.0 FIX Half-duration 1.7
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.44 P1g=68 Azm=233

N 0.20 20 82
P -1.65 10 348
Best Double Couple: Mo=1.5*10**17
NP1: Strike=55 Dip=39 Slip= 58
NP2: 275 58 114

01 16 54 28.27 6.076S 147.661E 70km
5.5mb (19 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 34C
Centroid Location:
Origin Time 16:54:30.7 0.3
Lat 6.17S 0.04 Lon 147.95E 0.03
Dep 34.5 3.6 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.78 Plg=13 Azm=305
N -0.35 71 80
P -2.44 13 212
Best Double Couple: Mo=2.6*10**17
NP1: Strike=349 Dip=71 Slip= 180
NP2: 79 90 19

02 06 21 33.22 31.169S 177.848W 39km
5.1mb (16 obs.) 4.7Msz (1 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 32C
Centroid Location:
Origin Time 06:21:43.4 1.4
Lat 29.77S 0.13 Lon 178.10W 0.11
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 13.04 Plg=34 Azm=174
N -2.77 38 297
P -10.27 33 58
Best Double Couple: Mo=1.2*10**17
NP1: Strike=206 Dip=38 Slip= 179
NP2: 296 90 52

03 02 59 22.44 1.835S 135.680E 33km
5.1mb (12 obs.) 4.6Msz (8 obs.)
WEST IRIAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 27C
Centroid Location:
Origin Time 02:59:23.3 0.7
Lat 1.87S 0.11 Lon 135.53E 0.10
Dep 18.4 7.5 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.98 Plg=27 Azm=340
N 2.19 41 97
P -9.18 37 227
Best Double Couple: Mo=8.1*10**16
NP1: Strike= 18 Dip=41 Slip=171
NP2: 282 84 -49

04 03 22 57.91 7.017N 78.153W 33km
6.1mb (85 obs.) 5.8Msz (41 obs.)
PANAMA
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=302 Dip=62 Slip= 25
NP2: 200 68 150
Principal Axes:
T Plg=37 Azm=159
P 4 252
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: 9 Focal mech. F
Energy 5.9*1.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 8 No. of sta: 10
Principal Axes:
Scale 10**18 Nm
T Val= 2.68 Plg=46 Azm=140
N 0.02 44 328
P -2.70 4 234
Best Double Couple: Mo=2.7*10**18
NP1: Strike=288 Dip=57 Slip= 34
NP2: 178 63 142
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 19S, 47C
Centroid Location:
Origin Time 03:23: 5.2 0.6
Lat 7.66N 0.05 Lon 78.61W 0.05
Dep 16.8 2.0 Half-duration 4.7
Principal Axes:
Scale 10**18 Nm
T Val= 1.71 Plg=69 Azm= 2
N 0.63 9 118
P -2.34 18 211
Best Double Couple: Mo=2.0*10**18
NP1: Strike=316 Dip=28 Slip= 110
NP2: 113 64 80

04 15 23 20.70 6.038S 77.130W 21km
6.0mb (78 obs.) 6.3Msz (41 obs.)
NORTHERN PERU
FAULT PLANE SOLUTION: P-Waves
NP1: Strike= 5 Dip=73 Slip= 45
NP2: 259 47 157
Principal Axes:
T Plg=43 Azm=232
P 16 126
Comment: The focal mechanism is poorly 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 3.6*1.1*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 22 No. of sta: 13
Principal Axes:
Scale 10**18 Nm
T Val= 5.38 Plg=54 Azm=232
N 0.15 31 16
P -5.53 17 117
Best Double Couple: Mo=5.5*10**18
NP1: Strike=244 Dip=39 Slip= 145
NP2: 3 69 57
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 60C
Centroid Location:
Origin Time 15:23:27.3 0.3
Lat 6.24S 0.03 Lon 76.72W 0.03
Dep 26.9 BDY Half-duration 6.1
Principal Axes:
Scale 10**18 Nm
T Val= 4.25 Plg=64 Azm=283
N 0.59 5 184
P -4.84 26 92
Best Double Couple: Mo=4.5*10**18
NP1: Strike=171 Dip=20 Slip= 77
NP2: 5 71 95

05 04 19 49.52 5.982S 77.094W 20km
6.5mb (83 obs.) 6.8Msz (39 obs.)
NORTHERN PERU
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=310 Dip=70 Slip= 135
NP2: 59 48 27
Principal Axes:
T Plg=45 Azm=265
P 13 9
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: 11 Focal mech. M
Energy 9.4*2.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 36 No. of sta: 15
Principal Axes:
Scale 10**19 Nm
T Val= 2.70 Plg=43 Azm=273
N 0.09 45 116
P -2.80 12 14
Best Double Couple: Mo=2.8*10**19
NP1: Strike= 64 Dip=51 Slip= 26
NP2: 317 70 138
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 63C M.W.: 11S, 30C
Centroid Location:
Origin Time 04:20: 5.8 0.1
Lat 5.93S 0.02 Lon 76.84W 0.01

Dep 39.7 BDY Half-duration 11.4
Principal Axes:
Scale 10**19 Nm
T Val= 3.07 Plg=74 Azm=226
N -0.23 9 349
P -2.84 13 81
Best Double Couple: Mo=3.0*10**19
NP1: Strike=183 Dip=33 Slip= 106
NP2: 344 58 80
GEOSCOPE MOMENT TENSOR (PAR)
Data Used: GEOSCOPE
Dep 30 Half-duration 8.0
Best Double Couple: Mo=5.1*10**19
NP1: Strike=191 Dip=75 Slip= 100
NP2: 335 19 56

05 15 50 47.32 14.230S 75.511W 50km
5.7mb (58 obs.) 5.8Msz (22 obs.)
NEAR COAST OF PERU
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=295 Dip=78 Slip= 90
NP2: 115 12 90
Principal Axes:
T Plg=57 Azm=205
P 33 25
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. C
Energy 1.5*0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 42 No. of sta: 12
Principal Axes:
Scale 10**18 Nm
T Val= 2.66 Plg=35 Azm=237
N -0.01 46 102
P -2.65 24 345
Best Double Couple: Mo=2.7*10**18
NP1: Strike= 25 Dip=47 Slip= 9
NP2: 289 83 136
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 40C
Centroid Location:
Origin Time 15:50:54.6 0.2
Lat 14.20S FIX; Lon 75.61W FIX
Dep 56.0 FIX Half-duration 6.0
Principal Axes:
Scale 10**18 Nm
T Val= 2.99 Plg=34 Azm=230
N 0.02 20 126
P -3.01 49 12
Best Double Couple: Mo=3.0*10**18
NP1: Strike= 13 Dip=21 Slip= -22
NP2: 123 82 -110

05 18 34 53.20 54.592S 132.516W 10km
5.2mb (9 obs.) 5.5Msz (2 obs.)
SOUTH PACIFIC CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 35C
Centroid Location:
Origin Time 18:35: 3.7 0.3
Lat 54.05S 0.05 Lon 132.55W 0.05
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**17 Nm
T Val= 5.99 Plg= 5 Azm=334
N 0.73 83 199
P -6.72 5 64
Best Double Couple: Mo=6.3*10**17
NP1: Strike=109 Dip=83 Slip= 0
NP2: 199 90 -173

06 04 48 47.23 24.168S 179.984E 549km
5.4mb (62 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Location:
Origin Time 04:48:51.4 0.9
Lat 23.79S 0.12 Lon 180.05E 0.08
Dep 544.2 3.4 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.83 Plg=58 Azm= 77
N 0.32 10 182

P -2.16 31 278
 Best Double Couple: Mo=2.0*10**17
 NP1: Strike=36 Dip=17 Slip=125
 NP2: 180 76 80

06 14 34 20.70 15.008S 175.521W 16km
 5.8mb (43 obs.) 6.7Msz (29 obs.)
 TONGA ISLANDS
 FAULT PLANE SOLUTION: P-Waves
 NP1: Strike=105 Dip=88 Slip= 0
 NP2: 195 90 182
 Principal Axes:
 T P1g= 1 Azm=330
 P 1 60
 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: 12 Focal mech. M
 Energy 4.2±1.0*10**15 Nm
 MOMENT TENSOR SOLUTION
 Dep 23 No. of sta: 12
 Principal Axes:
 Scale 10**19 Nm
 T Val= 1.14 P1g= 2 Azm=337
 N 0.00 84 228
 P -1.14 5 68
 Best Double Couple: Mo=1.1*10**19
 NP1: Strike=112 Dip=85 Slip= -2
 NP2: 203 88 -175
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 21S, 57C M.W.: 17S, 46C
 Centroid Location:
 Origin Time 14:34:28.2 0.2
 Lat 14.86S 0.02 Lon 175.36W 0.02
 Dep 15.0 FIX Half-duration 8.0
 Principal Axes:
 Scale 10**18 Nm
 T Val= 10.45 P1g= 7 Azm=154
 N 1.31 70 43
 P -11.76 18 246
 Best Double Couple: Mo=1.1*10**19
 NP1: Strike=289 Dip=72 Slip= -8
 NP2: 21 82 -162

07 09 39 36.65 16.304N 97.476W 25km
 5.2mb (53 obs.) 4.5Msz (5 obs.)
 OAXACA, MEXICO
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 9S, 17C
 Centroid Location:
 Origin Time 09:39:46.5 1.1
 Lat 16.95N 0.14 Lon 97.27W 0.17
 Dep 46.614.7 Half-duration 1.5
 Principal Axes:
 Scale 10**16 Nm
 T Val= 5.11 P1g=49 Azm= 82
 N 0.72 41 251
 P -5.83 6 346
 Best Double Couple: Mo=5.5*10**16
 NP1: Strike=111 Dip=53 Slip= 145
 NP2: 224 63 43

07 18 55 19.50 3.100S 130.356E 29km
 5.6mb (55 obs.) 5.4Msz (20 obs.)
 CERAM
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 20S, 41C
 Centroid Location:
 Origin Time 18:55:22.1 0.6
 Lat 3.01S 0.05 Lon 130.14E 0.04
 Dep 15.0 BDY Half-duration 3.4
 Principal Axes:
 Scale 10**17 Nm
 T Val= 8.62 P1g=58 Azm=248
 N 0.20 11 140
 P -8.82 30 44
 Best Double Couple: Mo=8.7*10**17
 NP1: Strike=105 Dip=18 Slip= 53
 NP2: 323 75 101

08 01 25 26.94 4.088N 127.929E 26km
 5.6mb (44 obs.) 4.1Msz (2 obs.)
 TALAUD ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 15C
 Centroid Location:

Origin Time 01:25:27.5 3.2
 Lat 3.65N 0.27 Lon 127.79E 0.15
 Dep 98.910.2 Half-duration 3.3
 Principal Axes:
 Scale 10**16 Nm
 T Val= 5.55 P1g=73 Azm= 20
 N 0.25 16 180
 P -5.80 6 272
 Best Double Couple: Mo=5.7*10**16
 NP1: Strike=19 Dip=42 Slip= 115
 NP2: 167 53 69

08 13 34 04.46 52.433N 157.903E 145km
 5.6mb (138 obs.)
 KAMCHATKA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 25C
 Centroid Location:
 Origin Time 13:34: 5.4 0.6
 Lat 52.03N 0.07 Lon 157.97E 0.07
 Dep 143.0 2.4 Half-duration 2.4
 Principal Axes:
 Scale 10**17 Nm
 T Val= 2.81 P1g=18 Azm=276
 N -0.20 50 29
 P -2.61 34 174
 Best Double Couple: Mo=2.7*10**17
 NP1: Strike=320 Dip=52 Slip=-166
 NP2: 222 79 -39

09 06 02 24.51 9.788S 74.702W 124km
 5.9mb (92 obs.)
 PERU
 FAULT PLANE SOLUTION: P-Waves
 NP1: Strike=335 Dip=63 Slip= -90
 NP2: 155 27 -90
 Principal Axes:
 T P1g=18 Azm= 65
 P 72 245
 Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
 RADIATED ENERGY
 No. of sta: 10 Focal mech. C
 Energy 3.9±0.8*10**12 Nm
 MOMENT TENSOR SOLUTION
 Dep 125 No. of sta: 13
 Principal Axes:
 Scale 10**17 Nm
 T Val= 5.42 P1g= 2 Azm= 44
 N -1.49 4 314
 P -3.93 85 167
 Best Double Couple: Mo=4.7*10**17
 NP1: Strike=138 Dip=43 Slip= -84
 NP2: 310 48 -95
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 18S, 38C
 Centroid Location:
 Origin Time 06:02:28.7 0.3
 Lat 9.88S 0.03 Lon 74.41W 0.03
 Dep 144.6 1.0 Half-duration 3.0
 Principal Axes:
 Scale 10**17 Nm
 T Val= 5.47 P1g= 1 Azm=253
 N -0.26 4 343
 P -5.21 85 156
 Best Double Couple: Mo=5.3*10**17
 NP1: Strike=338 Dip=45 Slip= -96
 NP2: 167 46 -84

09 09 31 25.76 14.60 S 176.17 W 33km
 4.8mb (9 obs.) 4.8Msz (1 obs.)
 FIJI ISLANDS REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 29C
 Centroid Location:
 Origin Time 09:31:29.4 1.5
 Lat 14.35S 0.17 Lon 176.11W 0.08
 Dep 15.0 FIX Half-duration 1.6
 Principal Axes:
 Scale 10**16 Nm
 T Val= 8.42 P1g= 0 Azm=132
 N -2.76 90 180
 P -5.65 0 42
 Best Double Couple: Mo=7.0*10**16
 NP1: Strike=177 Dip=90 Slip=-180
 NP2: 267 90 0

10 01 08 39.61 37.359N 36.221E 10km
 5.2mb (81 obs.) 4.5Msz (11 obs.)
 TURKEY
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 33C
 Centroid Location:
 Origin Time 01:08:46.4 1.2
 Lat 37.54N 0.17 Lon 35.77E 0.10
 Dep 15.0 FIX Half-duration 1.6
 Principal Axes:
 Scale 10**16 Nm
 T Val= 12.47 P1g=24 Azm=104
 N 0.88 19 203
 P -13.35 59 327
 Best Double Couple: Mo=1.3*10**17
 NP1: Strike=160 Dip=27 Slip=-136
 NP2: 29 72 -70

11 08 12 43.90 5.282S 151.697E 55km
 5.3mb (33 obs.)
 NEW BRITAIN REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 18S, 35C
 Centroid Location:
 Origin Time 08:12:52.2 0.4
 Lat 5.07S 0.04 Lon 151.77E 0.03
 Dep 29.2 2.2 Half-duration 2.5
 Principal Axes:
 Scale 10**17 Nm
 T Val= 4.83 P1g=67 Azm= 6
 N 0.47 9 254
 P -5.30 21 160
 Best Double Couple: Mo=5.1*10**17
 NP1: Strike=233 Dip=25 Slip= 68
 NP2: 78 67 100

11 13 03 33.29 53.627N 163.384W 14km
 5.4mb (58 obs.) 4.6Msz (11 obs.)
 UNIMAK ISLAND REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 12S, 16C
 Centroid Location:
 Origin Time 13:03:39.8 1.4
 Lat 53.87N 0.16 Lon 163.40W 0.26
 Dep 15.0 FIX Half-duration 1.5
 Principal Axes:
 Scale 10**16 Nm
 T Val= 7.43 P1g=58 Azm=325
 N 1.47 4 61
 P -8.90 32 154
 Best Double Couple: Mo=8.2*10**16
 NP1: Strike=257 Dip=14 Slip= 106
 NP2: 61 77 86

11 17 51 18.67 11.036S 166.787E 47km
 5.6mb (41 obs.) 5.3Msz (21 obs.)
 SANTA CRUZ ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 31C
 Centroid Location:
 Origin Time 17:51:23.8 0.8
 Lat 10.30S 0.08 Lon 166.79E 0.06
 Dep 15.0 FIX Half-duration 2.3
 Principal Axes:
 Scale 10**17 Nm
 T Val= 2.95 P1g= 1 Azm= 66
 N -0.45 11 335
 P -2.50 79 159
 Best Double Couple: Mo=2.7*10**17
 NP1: Strike=166 Dip=45 Slip= -75
 NP2: 325 47 -105

12 08 41 30.35 13.058N 88.322W 68km
 5.0mb (20 obs.)
 EL SALVADOR
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 12S, 16C
 Centroid Location:
 Origin Time 08:41:33.7 1.1
 Lat 12.82N 0.09 Lon 89.07W 0.14
 Dep 15.0 FIX Half-duration 2.1
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.98 P1g=51 Azm= 5
 N -0.37 20 122
 P -1.62 32 225
 Best Double Couple: Mo=1.8*10**17
 NP1: Strike= 2 Dip=22 Slip= 152

NP2: 118 80 70

13 07 46 49.02 20.116S 169.055E 32km
5.8mb (55 obs.) 5.4MsZ (21 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 45C
Centroid Location:
Origin Time 07:46:59.1 0.5
Lat 19.83S 0.05 Lon 168.69E 0.03
Dep 28.0 BDY Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 5.67 Plg=78 Azm= 50
N 0.67 5 164
P -6.34 11 255
Best Double Couple:Mo=6.0*10**17
NP1:Strike=351 Dip=35 Slip= 98
NP2: 160 56 84

14 08 08 55.70 27.155N 127.419E 83km
6.2mb (135 obs.)
RYUKYU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 55 Dip=80 Slip= -70
NP2: 171 22 -153
Principal Axes:
T Plg=32 Azm=128
P 51 348
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 1.2±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 74 No. of sta: 12
Principal Axes:
Scale 10**18 Nm
T Val= 2.74 Plg=35 Azm= 89
N 0.04 51 236
P -2.78 17 347
Best Double Couple:Mo=2.8*10**18
NP1:Strike=122 Dip=53 Slip= 166
NP2: 221 78 38
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 41C
Centroid Location:
Origin Time 08:09: 0.8 0.2
Lat 26.98N 0.02 Lon 127.39E 0.02
Dep 103.7 1.4 Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 1.18 Plg=44 Azm=126
N 0.31 14 230
P -1.49 42 333
Best Double Couple:Mo=1.3*10**18
NP1:Strike=136 Dip=14 Slip= 176
NP2: 230 89 76

15 10 48 59.38 36.340N 71.358E 124km
5.3mb (90 obs.)
AFGHANISTAN-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C
Centroid Location:
Origin Time 10:49: 3.5 0.6
Lat 36.12N 0.06 Lon 71.54E 0.07
Dep 127.8 2.3 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.15 Plg=51 Azm=239
N 0.22 36 87
P -1.37 14 347
Best Double Couple:Mo=1.3*10**17
NP1:Strike= 39 Dip=44 Slip= 33
NP2: 284 68 129

15 11 31 23.39 12.451N 142.724E 39km
5.4mb (30 obs.) 4.7MsZ (12 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 11:31:23.6 0.6
Lat 12.28N 0.07 Lon 142.39E 0.08

Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.77 Plg=27 Azm=358
N -0.32 14 260
P -1.44 59 146
Best Double Couple:Mo=1.6*10**17
NP1:Strike=119 Dip=22 Slip= -49
NP2: 256 74 -104

16 02 11 31.41 0.369N 25.759W 10km
4.8mb (8 obs.) 5.0MsZ (2 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Location:
Origin Time 02:11:39.8 0.6
Lat 0.86N 0.06 Lon 25.50W 0.05
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.59 Plg= 0 Azm=227
N -0.11 90 180
P -1.48 0 137
Best Double Couple:Mo=1.5*10**17
NP1:Strike=272 Dip=90 Slip=-180
NP2: 2 90 0

16 09 56 07.11 36.257N 71.261E 127km
5.1mb (65 obs.)
AFGHANISTAN-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 25C
Centroid Location:
Origin Time 09:56: 7.0 1.0
Lat 36.03N 0.09 Lon 71.18E 0.12
Dep 151.4 3.1 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.21 Plg=58 Azm=304
N -1.03 23 77
P -7.18 21 176
Best Double Couple:Mo=7.7*10**16
NP1:Strike=300 Dip=32 Slip= 138
NP2: 68 69 65

18 05 19 29.04 2.664N 128.543E 237km
5.5mb (56 obs.)
HALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 35C
Centroid Location:
Origin Time 05:19:29.8 0.3
Lat 2.90N 0.03 Lon 128.24E 0.05
Dep 227.3 2.3 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.77 Plg=44 Azm=128
N -0.54 27 8
P -2.23 34 258
Best Double Couple:Mo=2.5*10**17
NP1:Strike=292 Dip=28 Slip= 12
NP2: 191 84 117

18 09 18 30.46 37.457N 68.273E 33km
5.4mb (74 obs.) 5.1MsZ (14 obs.)
AFGHANISTAN-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 32C
Centroid Location:
Origin Time 09:18:27.8 0.7
Lat 37.28N 0.14 Lon 67.68E 0.09
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.92 Plg=60 Azm=295
N 0.09 11 185
P -2.01 27 89
Best Double Couple:Mo=2.0*10**17
NP1:Strike=153 Dip=20 Slip= 56
NP2: 8 73 102

18 09 41 20.10 22.924S 179.342W 471km
5.7mb (65 obs.)
SOUTH OF FIJI ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=165 Dip=50 Slip= 35
NP2: 51 64 134
Principal Axes:

T Plg=50 Azm= 11
P 8 111
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 9 Focal mech. C
Energy 5.2±1.7*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 455 No. of sta: 12
Principal Axes:
Scale 10**18 Nm
T Val= 1.10 Plg=60 Azm=343
N -0.01 23 206
P -1.09 18 108
Best Double Couple:Mo=1.1*10**18
NP1:Strike=166 Dip=34 Slip= 45
NP2: 36 67 115
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 51C
Centroid Location:
Origin Time 09:41:26.6 0.3
Lat 22.82S 0.03 Lon 179.40W 0.02
Dep 482.5 1.4 Half-duration 3.4
Principal Axes:
Scale 10**17 Nm
T Val= 9.86 Plg=52 Azm=356
N -2.15 35 201
P -7.71 12 102
Best Double Couple:Mo=8.8*10**17
NP1:Strike=156 Dip=45 Slip= 35
NP2: 39 66 129

19 04 51 40.49 13.775N 120.723E 172km
5.1mb (35 obs.)
MINDORO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 25C
Centroid Location:
Origin Time 04:51:44.6 0.7
Lat 14.40N 0.08 Lon 120.88E 0.06
Dep 160.9 2.2 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 10.50 Plg=67 Azm=111
N 0.14 19 254
P -10.64 13 349
Best Double Couple:Mo=1.1*10**17
NP1:Strike=102 Dip=36 Slip= 123
NP2: 243 60 68

19 09 13 58.71 54.68 S 143.34 E 10km
5.1mb (4 obs.) 4.4MsZ (1 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 09:14: 2.3 1.1
Lat 54.85S 0.10 Lon 143.65E 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.29 Plg= 0 Azm=213
N -1.55 90 180
P -4.74 0 123
Best Double Couple:Mo=5.5*10**16
NP1:Strike=258 Dip=90 Slip=-180
NP2: 348 90 0

19 11 25 34.55 14.883S 174.953W 20km
5.6mb (34 obs.) 6.0MsZ (33 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 64C
Centroid Location:
Origin Time 11:25:37.3 0.2
Lat 15.01S 0.02 Lon 174.90W 0.02
Dep 15.0 FIX Half-duration 4.2
Principal Axes:
Scale 10**18 Nm
T Val= 1.62 Plg= 8 Azm=131
N -0.04 72 16
P -1.58 16 224
Best Double Couple:Mo=1.6*10**18
NP1:Strike=267 Dip=73 Slip= -6

NP2: 358 84 -163
 19 21 48 35.73 6.900S 129.562E 127km
 5.9mb (69 obs.)
 BANDA SEA
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=40 Dip=72 Slip= 80
 NP2: 250 21 118
 Principal Axes:
 T P1g=62 Azm=295
 P 26 138
 Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a small strike-slip component. The preferred fault plane is not determined.
 RADIATED ENERGY
 No. of sta: 7 Focal mech. C
 Energy 5.3±1.7*10**12 Nm
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 21S, 40C
 Centroid Location:
 Origin Time 21:48:43.0 0.4
 Lat 6.69S 0.03 Lon 129.63E 0.03
 Dep 138.7 0.8 Half-duration 3.4
 Principal Axes:
 Scale 10**17 Nm
 T Val= 9.75 P1g=58 Azm=281
 N -3.46 14 34
 P -6.29 28 132
 Best Double Couple:Mo=8.0*10**17
 NP1:Strike=254 Dip=21 Slip= 132
 NP2: 30 75 76
 21 11 17 46.26 4.380S 143.774E 103km
 5.6mb (39 obs.)
 PAPUA NEW GUINEA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 20S, 41C
 Centroid Location:
 Origin Time 11:17:51.7 0.3
 Lat 4.53S 0.04 Lon 143.59E 0.03
 Dep 100.2 2.8 Half-duration 2.0
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.90 P1g=54 Azm= 29
 N -0.02 5 293
 P -1.88 35 199
 Best Double Couple:Mo=1.9*10**17
 NP1:Strike=267 Dip=11 Slip= 64
 NP2: 113 80 95
 21 23 12 22.54 18.287S 46.416E 19km
 5.8mb (94 obs.) 5.3Msz (18 obs.)
 MALAGASAY REPUBLIC
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=210 Dip=60 Slip= -90
 NP2: 30 30 -90
 Principal Axes:
 T P1g=15 Azm=300
 P 75 120
 Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
 RADIATED ENERGY
 No. of sta: 6 Focal mech. M
 Energy 1.1±0.3*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 16 No. of sta: 9
 Principal Axes:
 Scale 10**17 Nm
 T Val= 2.55 P1g= 5 Azm=299
 N -0.23 7 30
 P -2.33 82 174
 Best Double Couple:Mo=2.4*10**17
 NP1:Strike= 22 Dip=41 Slip=-101
 NP2: 216 50 -81
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 19S, 38C
 Centroid Location:
 Origin Time 23:12:28.7 0.3
 Lat 18.51S 0.04 Lon 46.42E 0.04
 Dep 15.0 FIX Half-duration 2.5
 Principal Axes:
 Scale 10**17 Nm
 T Val= 2.08 P1g= 7 Azm=263
 N 0.71 25 356

P -2.79 63 158
 Best Double Couple:Mo=2.4*10**17
 NP1:Strike=327 Dip=44 Slip=-128
 NP2: 194 57 -59
 22 21 56 51.82 9.685N 83.073W 10km
 6.3mb (63 obs.) 7.6Msz (25 obs.)
 COSTA RICA
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=292 Dip=80 Slip= 121
 NP2: 38 32 19
 Principal Axes:
 T P1g=46 Azm=234
 P 28 358
 Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.
 RADIATED ENERGY
 No. of sta: 12 Focal mech. F
 Energy 3.2±0.7*10**15 Nm
 MOMENT TENSOR SOLUTION
 Dep 34 No. of sta: 16
 Principal Axes:
 Scale 10**20 Nm
 T Val= 1.05 P1g=61 Azm=218
 N 0.18 11 108
 P -1.22 27 13
 Best Double Couple:Mo=1.1*10**20
 NP1:Strike= 78 Dip=20 Slip= 58
 NP2: 292 73 101
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 3S, 9C M.W.: 24S, 69C
 Centroid Location:
 Origin Time 21:57:12.3 0.2
 Lat 10.10N 0.01 Lon 82.77W 0.02
 Dep 15.0 BDY Half-duration 30.0
 Principal Axes:
 Scale 10**20 Nm
 T Val= 3.34 P1g=63 Azm=249
 N -0.06 13 133
 P -3.27 23 37
 Best Double Couple:Mo=3.3*10**20
 NP1:Strike=103 Dip=25 Slip= 58
 NP2: 318 69 104
 23 02 48 58.51 2.759S 134.432E 10km
 5.8mb (28 obs.) 5.6Msz (9 obs.)
 WEST IRIAN REGION
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=285 Dip=80 Slip= -16
 NP2: 18 74 -170
 Principal Axes:
 T P1g= 4 Azm=332
 P 18 241
 Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small normal component. The preferred fault plane is not determined.
 RADIATED ENERGY
 No. of sta: 5 Focal mech. F
 Energy 4.5±1.4*10**13 Nm
 23 06 34 05.97 14.002N 91.652W 69km
 5.3mb (75 obs.)
 GUATEMALA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 39C
 Centroid Location:
 Origin Time 06:34: 9.5 0.9
 Lat 14.04N 0.08 Lon 91.85W 0.08
 Dep 37.2 6.1 Half-duration 3.1
 Principal Axes:
 Scale 10**17 Nm
 T Val= 7.01 P1g=26 Azm=202
 N -0.82 10 297
 P -6.18 61 46
 Best Double Couple:Mo=6.6*10**17
 NP1:Strike=268 Dip=21 Slip=-120
 NP2: 120 72 -79
 23 18 56 41.22 9.538N 83.467W 10km
 5.0mb (37 obs.) 4.4Msz (4 obs.)
 COSTA RICA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 18C

Centroid Location:
 Origin Time 18:56:41.0 1.6
 Lat 9.07N 0.26 Lon 83.87W 0.33
 Dep 15.0 FIX Half-duration 1.5
 Principal Axes:
 Scale 10**16 Nm
 T Val= 5.38 P1g=43 Azm= 90
 N 2.30 7 354
 P -7.68 47 257
 Best Double Couple:Mo=6.5*10**16
 NP1:Strike=246 Dip= 7 Slip= -17
 NP2: 354 88 -97
 24 00 32 01.69 42.634N 144.759E 59km
 5.5mb (97 obs.)
 HOKKAIDO, JAPAN REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 31C
 Centroid Location:
 Origin Time 00:32: 5.0 0.5
 Lat 42.33N 0.05 Lon 144.65E 0.06
 Dep 59.7 3.7 Half-duration 1.7
 Principal Axes:
 Scale 10**16 Nm
 T Val= 9.50 P1g=59 Azm= 31
 N 2.40 29 230
 P -11.90 9 135
 Best Double Couple:Mo=1.1*10**17
 NP1:Strike=196 Dip=44 Slip= 46
 NP2: 69 60 124
 24 04 57 14.89 9.041N 126.739E 14km
 5.6mb (54 obs.) 6.0Msz (26 obs.)
 MINDANAO, PHILIPPINE ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 22S, 59C
 Centroid Location:
 Origin Time 04:57:23.3 0.4
 Lat 9.27N 0.03 Lon 126.86E 0.04
 Dep 15.0 BDY Half-duration 4.2
 Principal Axes:
 Scale 10**18 Nm
 T Val= 2.73 P1g=61 Azm=256
 N -0.16 1 348
 P -2.57 29 79
 Best Double Couple:Mo=2.7*10**18
 NP1:Strike=173 Dip=16 Slip= 95
 NP2: 348 74 88
 24 10 06 54.95 9.047N 126.770E 33km
 5.4mb (30 obs.) 5.2Msz (13 obs.)
 MINDANAO, PHILIPPINE ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 18S, 34C
 Centroid Location:
 Origin Time 10:06:58.6 0.5
 Lat 8.94N 0.07 Lon 127.65E 0.06
 Dep 15.0 BDY Half-duration 2.0
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.66 P1g=74 Azm=124
 N 0.11 8 6
 P -1.77 14 274
 Best Double Couple:Mo=1.7*10**17
 NP1:Strike=352 Dip=31 Slip= 75
 NP2: 190 60 99
 24 19 13 02.11 9.741N 83.517W 13km
 5.6mb (82 obs.) 6.1Msz (35 obs.)
 COSTA RICA
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=145 Dip=90 Slip= 175
 NP2: 235 85 360
 Principal Axes:
 T P1g= 4 Azm=100
 P 4 190
 Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
 RADIATED ENERGY
 No. of sta: 5 Focal mech. F
 Energy 3.9±1.6*10**14 Nm
 MOMENT TENSOR SOLUTION
 Dep 13 No. of sta: 14
 Principal Axes:
 Scale 10**18 Nm
 T Val= 1.96 P1g= 4 Azm=283

N 0.17 80 171
P -2.12 9 14
Best Double Couple: Mo=2.0*10**18
NP1: Strike=58 Dip=81 Slip= -4
NP2: 149 86 -171
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 61C
Centroid Location:
Origin Time 19:13: 8.3 0.3
Lat 9.79N 0.03 Lon 83.56W 0.03
Dep 22.5 2.7 Half-duration 4.4
Principal Axes:
Scale 10**18 Nm
T Val= 1.82 P1g= 4 Azm=100
N 0.03 76 208
P -1.85 13 9
Best Double Couple: Mo=1.8*10**18
NP1: Strike=145 Dip=78 Slip= -174
NP2: 54 84 -12

25 18 35 43.58 25.516S 179.858E 479km
5.1mb (26 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 21C
Centroid Location:
Origin Time 18:35:46.5 1.1
Lat 25.90S 0.12 Lon 179.76E 0.10
Dep 464.3 5.4 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.28 P1g=44 Azm= 85
N 0.41 24 330
P -1.69 36 220
Best Double Couple: Mo=1.5*10**17
NP1: Strike=250 Dip=16 Slip= 9
NP2: 151 86 115

26 06 16 42.92 61.250N 150.153W 38km
5.4mb (82 obs.) 4.9Msz (3 obs.)
SOUTHERN ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 34C
Centroid Location:
Origin Time 06:16:46.0 0.6
Lat 61.46N 0.09 Lon 150.70W 0.16
Dep 36.3 7.7 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.15 P1g=32 Azm=268
N -0.17 11 6
P -6.98 55 112
Best Double Couple: Mo=7.1*10**16
NP1: Strike=322 Dip=16 Slip= -134
NP2: 188 78 -78

26 17 36 54.57 7.525N 126.577E 74km
5.5mb (49 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 41C
Centroid Location:
Origin Time 17:36:59.4 0.4
Lat 7.40N 0.05 Lon 126.71E 0.07
Dep 68.9 7.4 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.60 P1g=35 Azm= 94
N 0.02 19 350
P -2.62 49 238
Best Double Couple: Mo=2.6*10**17
NP1: Strike=238 Dip=20 Slip= -21
NP2: 348 83 -109

26 22 24 05.34 38.979N 70.996E 45km
5.3mb (75 obs.) 4.9Msz (13 obs.)
AFGHANISTAN-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 22C
Centroid Location:
Origin Time 22:24: 4.4 0.7
Lat 38.87N 0.10 Lon 70.35E 0.13
Dep 33.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.52 P1g=60 Azm= 27
N 0.72 29 228
P -8.24 9 133

Best Double Couple: Mo=7.9*10**16
NP1: Strike=193 Dip=43 Slip= 46
NP2: 66 60 123

27 05 42 41.70 10.256N 83.243W 10km
5.3mb (64 obs.) 4.8Msz (10 obs.)
COSTA RICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 05:42:47.4 1.9
Lat 10.43N 0.14 Lon 83.63W 0.10
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 8.87 P1g=82 Azm=172
N 3.82 6 306
P -12.69 6 36
Best Double Couple: Mo=1.1*10**17
NP1: Strike=133 Dip=40 Slip= 99
NP2: 301 51 83

27 09 51 11.94 36.461N 70.555E 209km
4.9mb (66 obs.)
HINDU KUSH REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 25C
Centroid Location:
Origin Time 09:51: 9.2 1.4
Lat 35.93N 0.10 Lon 69.94E 0.13
Dep 221.9 5.9 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.42 P1g=74 Azm=134
N 1.27 12 275
P -5.69 10 7
Best Double Couple: Mo=5.1*10**16
NP1: Strike=112 Dip=37 Slip= 111
NP2: 267 56 75

27 18 21 08.85 60.799N 166.880E 33km
5.5mb (82 obs.) 5.0Msz (18 obs.)
EASTERN SIBERIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 27C
Centroid Location:
Origin Time 18:21: 7.0 0.5
Lat 61.03N 0.06 Lon 167.65E 0.14
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 10.39 P1g=48 Azm=232
N -0.40 40 32
P -9.99 10 131
Best Double Couple: Mo=1.0*10**17
NP1: Strike=258 Dip=49 Slip= 148
NP2: 11 66 45

29 06 54 54.26 20.762S 174.146W 39km
5.2mb (27 obs.) 4.9Msz (5 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 25C
Centroid Location:
Origin Time 06:54:57.2 0.9
Lat 20.88S 0.12 Lon 173.84W 0.09
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.63 P1g=67 Azm=281
N 0.81 4 21
P -10.45 22 113
Best Double Couple: Mo=1.0*10**17
NP1: Strike=212 Dip=23 Slip= 101
NP2: 20 68 85

29 09 12 48.10 42.453N 43.673E 17km
6.2mb (86 obs.) 7.0Msz (22 obs.)
WESTERN CAUCASUS
FAULT PLANE SOLUTION: P-Waves
NP1: Strike= 80 Dip=46 Slip= 90
NP2: 260 44 90
Principal Axes:
T P1g=89 Azm=350
P 1 170
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault

plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. C
Energy 1.4±0.3*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 68C M.W.: 14S, 41C
Centroid Location:
Origin Time 09:12:59.9 0.1
Lat 42.60N 0.01 Lon 43.61E 0.01
Dep 22.3 BDY Half-duration 11.4
Principal Axes:
Scale 10**19 Nm
T Val= 3.74 P1g=77 Azm=311
N -0.79 10 95
P -2.95 7 186
Best Double Couple: Mo=3.3*10**19
NP1: Strike=288 Dip=39 Slip= 106
NP2: 87 53 77

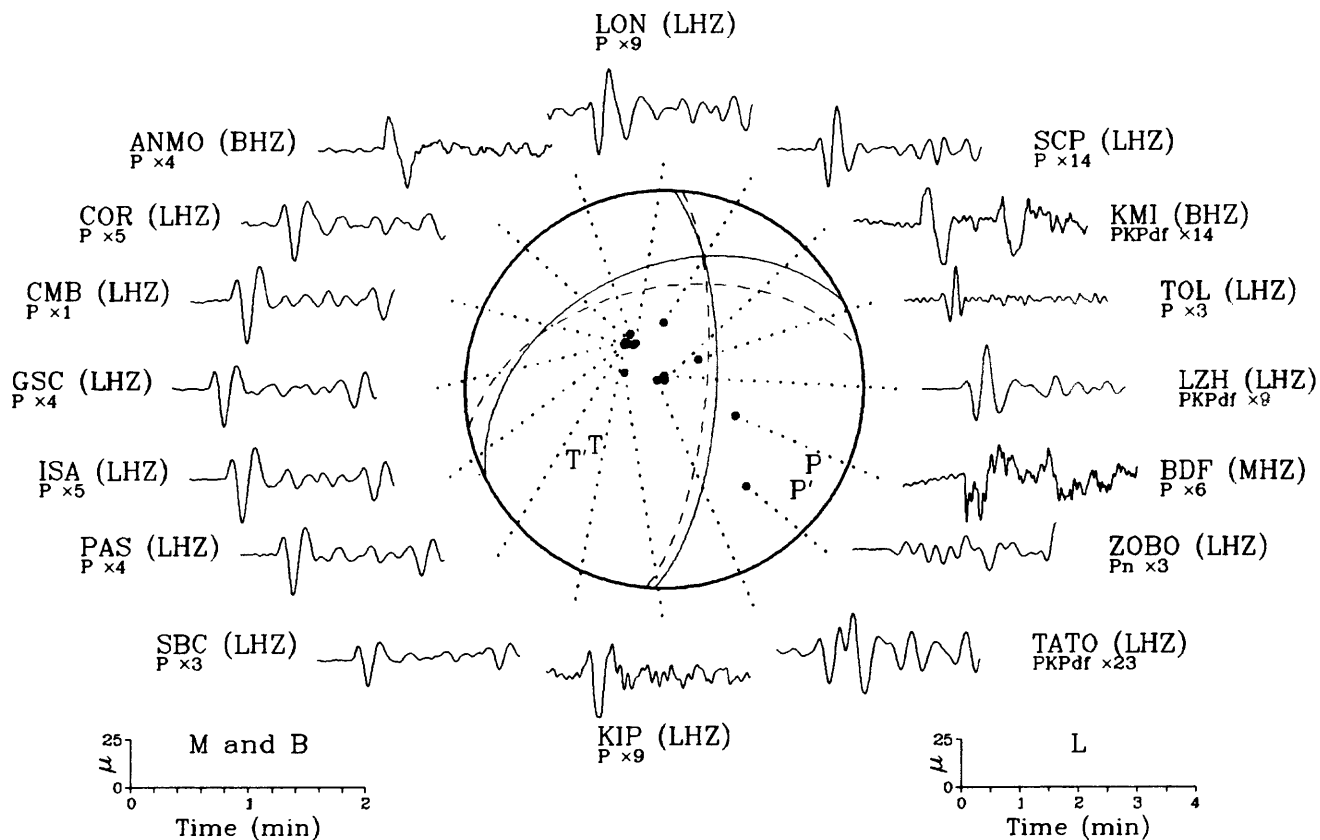
29 18 12 23.21 11.258S 77.672W 58km
5.7mb (72 obs.)
NEAR COAST OF PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C
Centroid Location:
Origin Time 18:12:29.2 0.5
Lat 11.06S 0.05 Lon 77.51W 0.07
Dep 57.0 FIX Half-duration 3.4
Principal Axes:
Scale 10**17 Nm
T Val= 9.76 P1g=47 Azm=250
N -0.82 14 145
P -8.94 40 43
Best Double Couple: Mo=9.4*10**17
NP1: Strike= 72 Dip=14 Slip= 16
NP2: 326 86 104

29 18 30 41.52 42.503N 43.899E 14km
5.9mb (93 obs.) 6.0Msz (23 obs.)
WESTERN CAUCASUS
FAULT PLANE SOLUTION: P-Waves
NP1: Strike= 80 Dip=62 Slip= 90
NP2: 260 28 90
Principal Axes:
T P1g=73 Azm=350
P 17 170
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 11 Focal mech. M
Energy 7.4±1.0*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 7 No. of sta: 10
Principal Axes:
Scale 10**18 Nm
T Val= 1.86 P1g=88 Azm=185
N 0.00 0 88
P -1.87 2 358
Best Double Couple: Mo=1.9*10**18
NP1: Strike= 87 Dip=43 Slip= 90
NP2: 268 47 90
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 53C
Centroid Location:
Origin Time 18:30:47.9 0.7
Lat 42.38N 0.06 Lon 43.75E 0.06
Dep 15.0 BDY Half-duration 4.2
Principal Axes:
Scale 10**18 Nm
T Val= 1.62 P1g=80 Azm=276
N -0.04 9 70
P -1.57 4 161
Best Double Couple: Mo=1.6*10**18
NP1: Strike=261 Dip=41 Slip= 104
NP2: 62 50 78

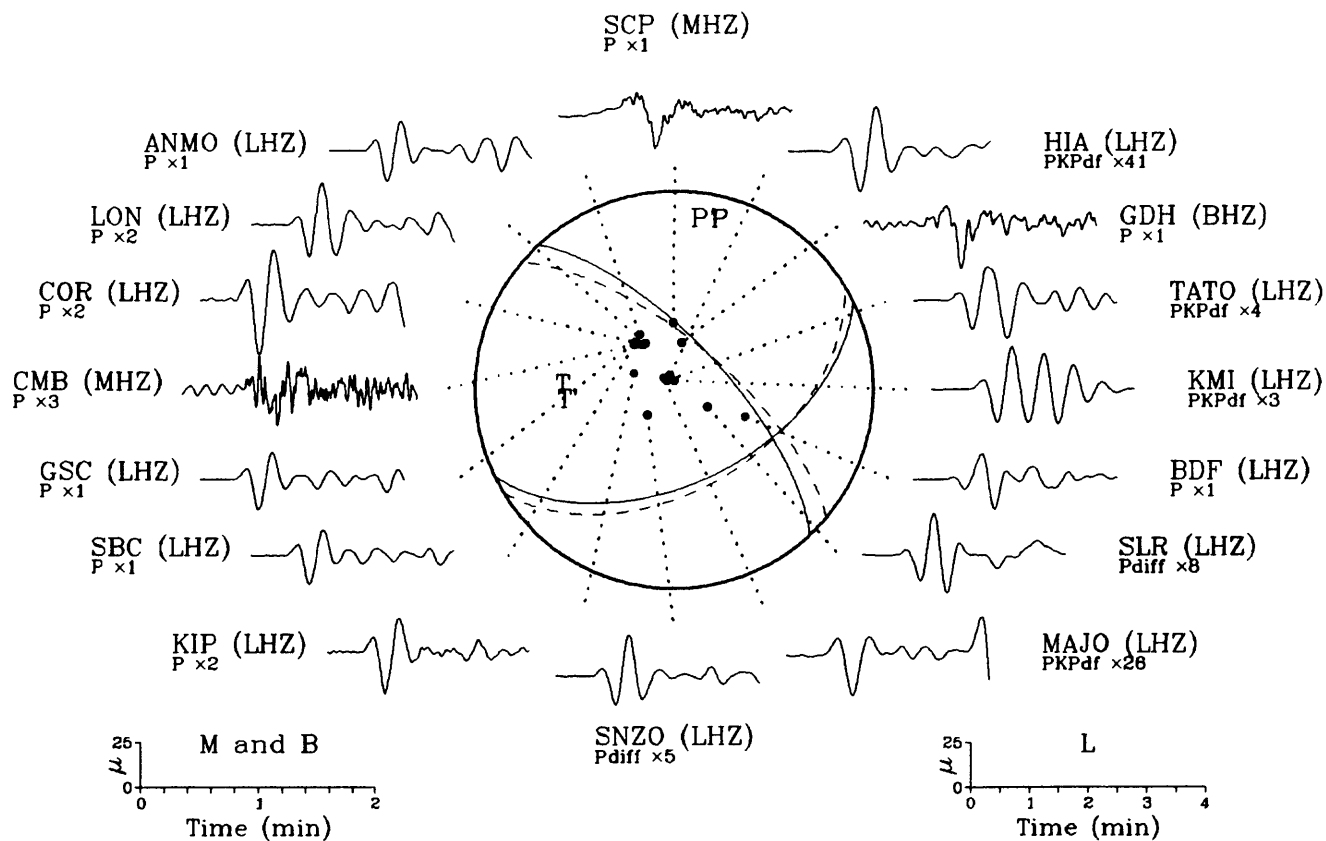
29 22 06 02.01 5.623N 125.330E 74km
5.3mb (30 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 29C
Centroid Location:
Origin Time 22:06: 6.0 0.7
Lat 5.92N 0.08 Lon 125.77E 0.09
Dep 81.0 4.0 Half-duration 1.9
Principal Axes:

Scale 10**17 Nm	NP1:Strike= 86 Dip=76 Slip= 10
T Val= 1.20 Plg=81 Azm=242	NP2: 353 80 166
N 0.20 6 19	
P -1.40 6 110	30 12 36 50.65 6.386S 147.213E 59km
Best Double Couple:Mo=1.3*10**17	5.5mb (37 obs.)
NP1:Strike=207 Dip=40 Slip= 100	EAST PAPUA NEW GUINEA REGION
NP2: 14 51 82	CENTROID, MOMENT TENSOR (HRV)
	Data Used: GDSN
30 02 16 33.05 5.926N 82.612W 10km	L.P.B.: 19S, 40C
5.5mb (66 obs.) 5.3Msz (23 obs.)	Centroid Location:
SOUTH OF PANAMA	Origin Time 12:36:55.9 0.2
CENTROID, MOMENT TENSOR (HRV)	Lat 6.42S 0.03 Lon 147.17E 0.03
Data Used: GDSN	Dep 49.8 2.7 Half-duration 2.7
L.P.B.: 19S, 47C	Principal Axes:
Centroid Location:	Scale 10**17 Nm
Origin Time 02:16:37.2 0.5	T Val= 5.32 Plg=49 Azm= 48
Lat 5.76N 0.04 Lon 82.47W 0.04	N -1.31 39 245
Dep 15.0 FIX Half-duration 3.6	P -4.01 9 148.
Principal Axes:	Best Double Couple:Mo=4.7*10**17
Scale 10**17 Nm	NP1:Strike=202 Dip=50 Slip= 34
T Val= 11.70 Plg=17 Azm=309	NP2: 88 65 135
N -3.28 73 138	
P -8.41 3 40	
Best Double Couple:Mo=1.0*10**18	

04 April 1991 15:23:20.70
Northern Peru

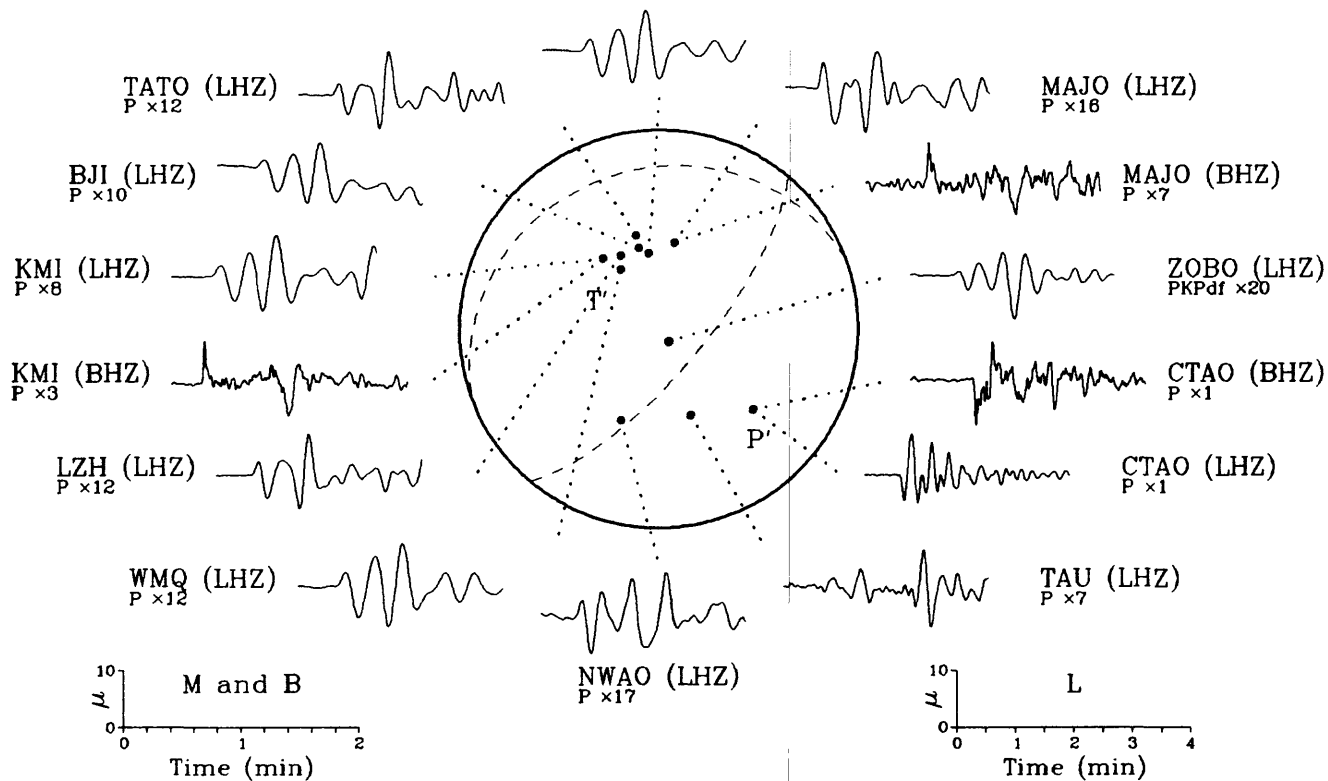


05 April 1991 04:19:49.52
Northern Peru



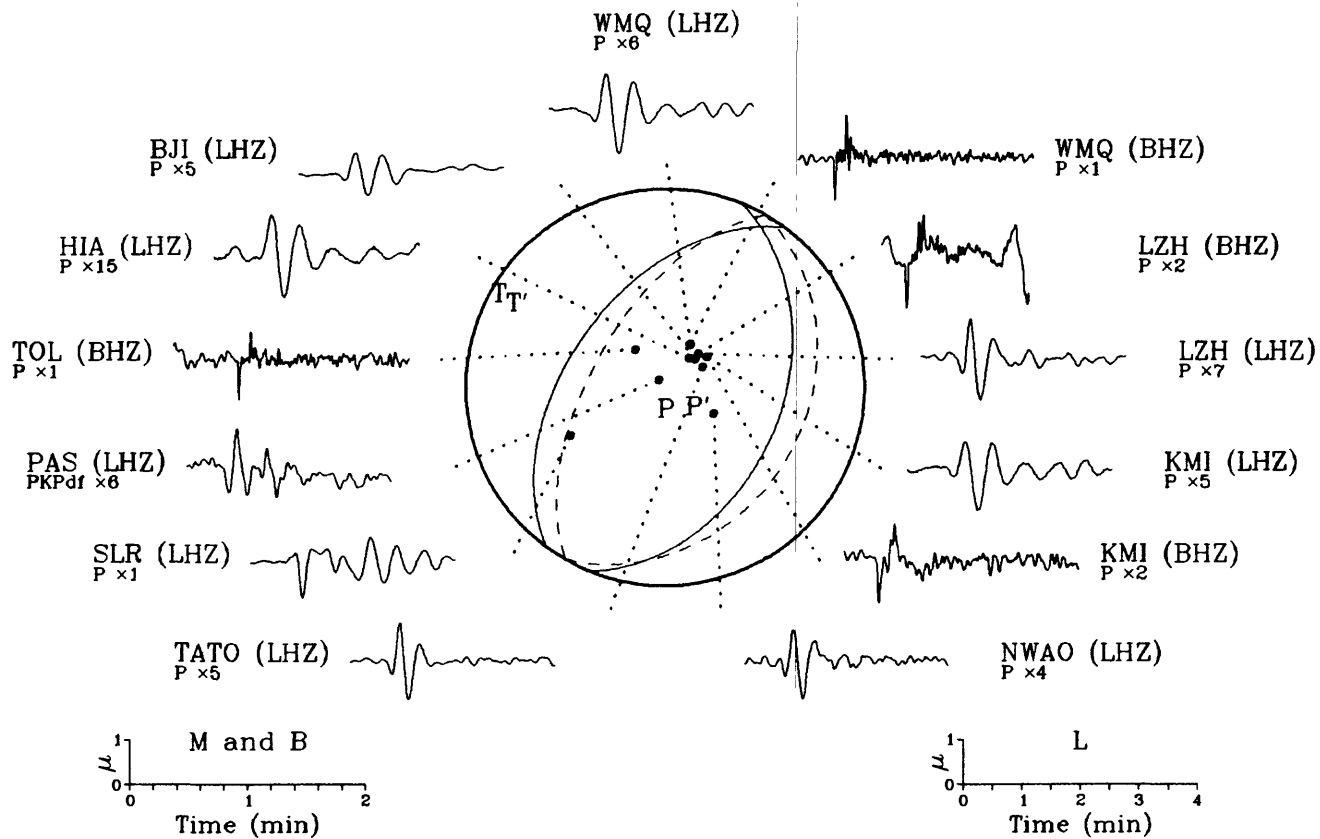
19 April 1991 21:48:35.73

Banda Sea

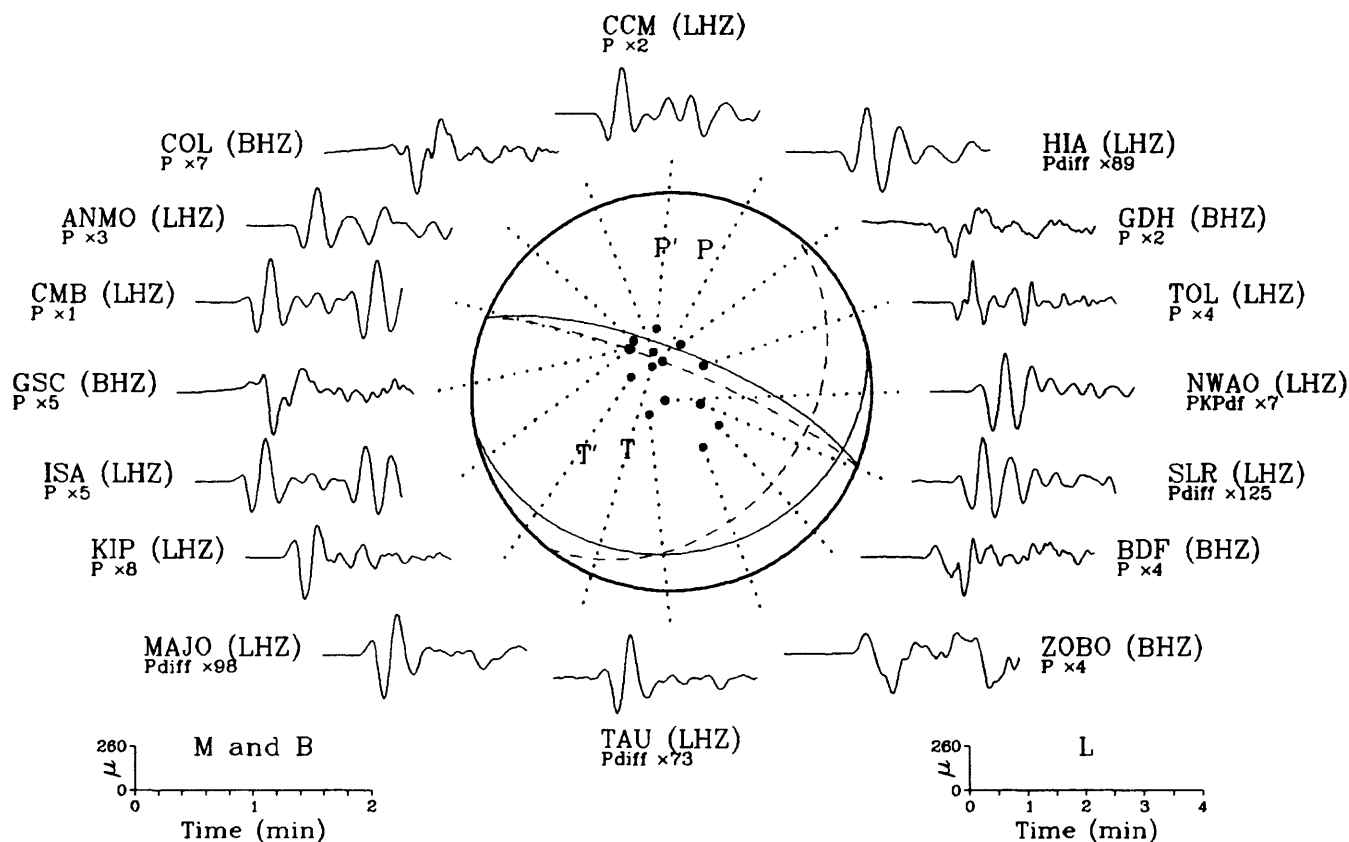
HIA (LHZ)
P $\times 13$ 

21 April 1991 23:12:22.54

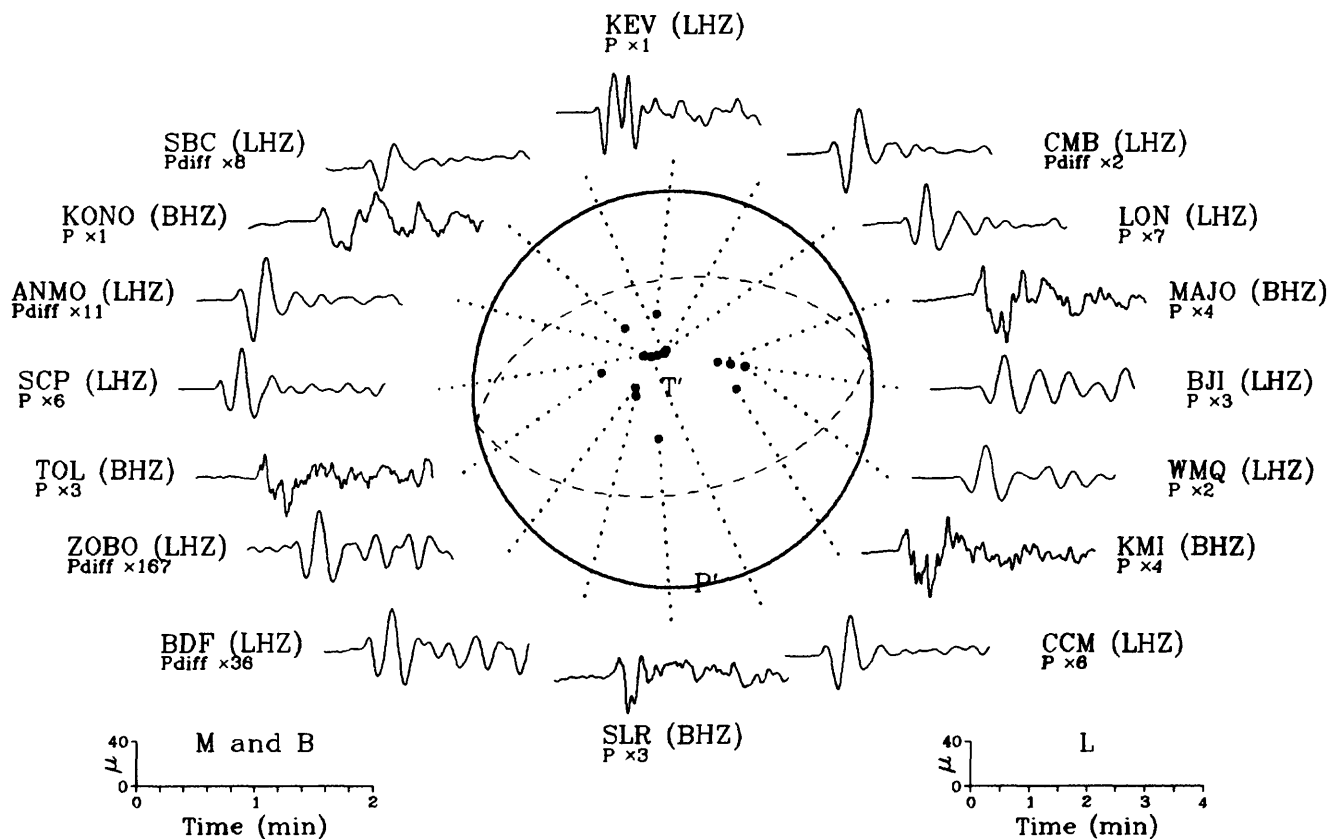
Malagasy Republic



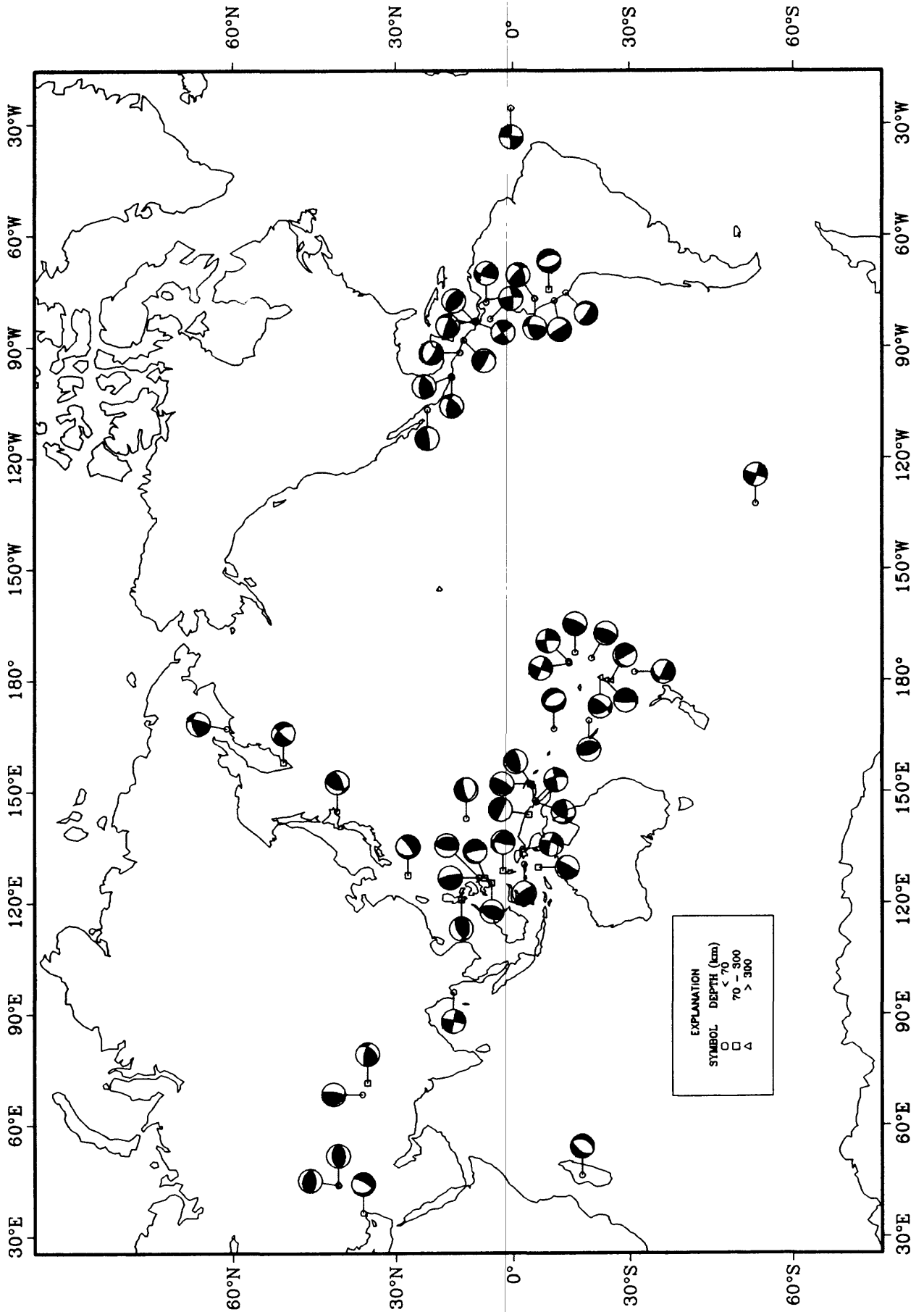
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Costa Rica

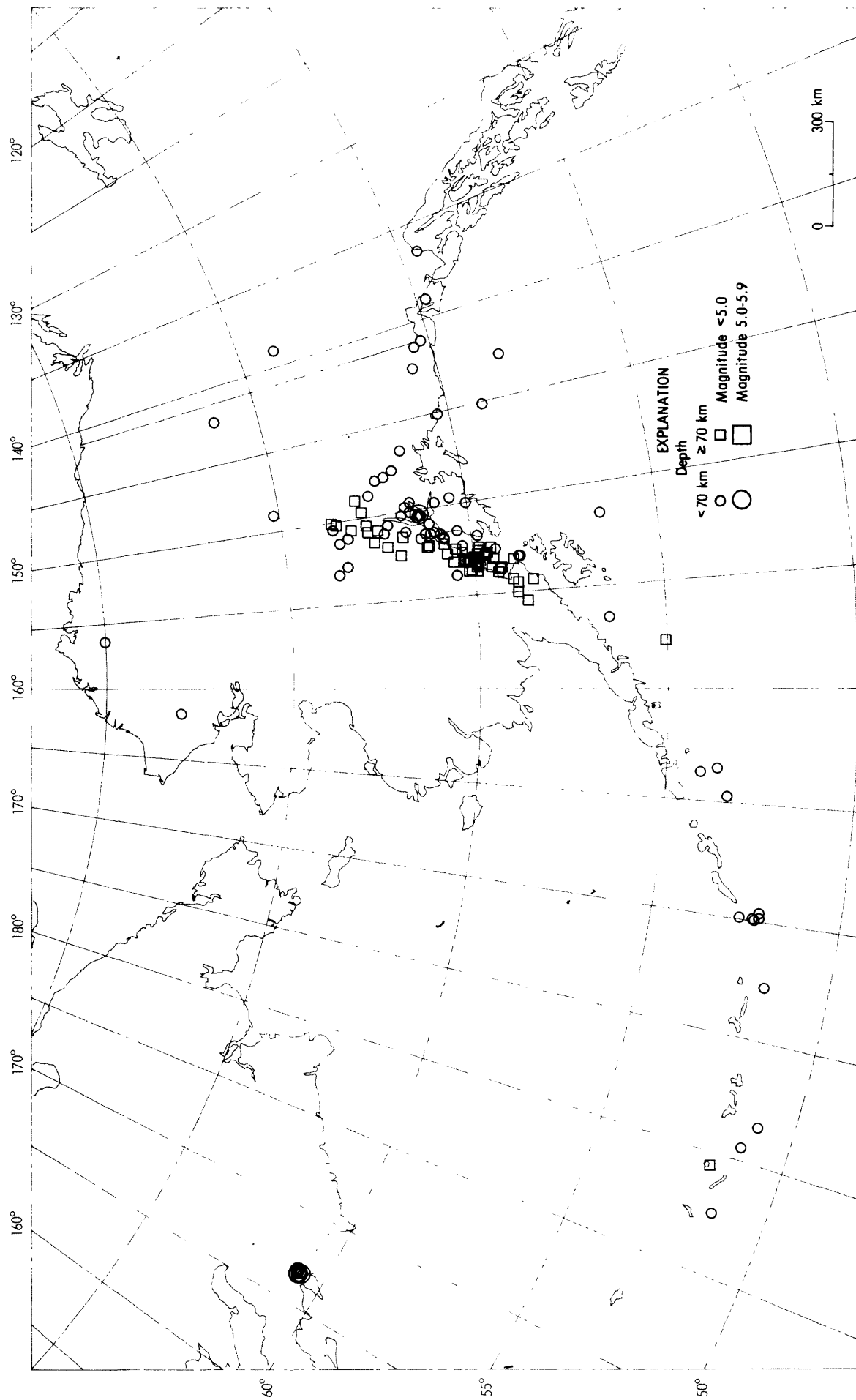


29 April 1991 09:12:48.10
Western Caucasus

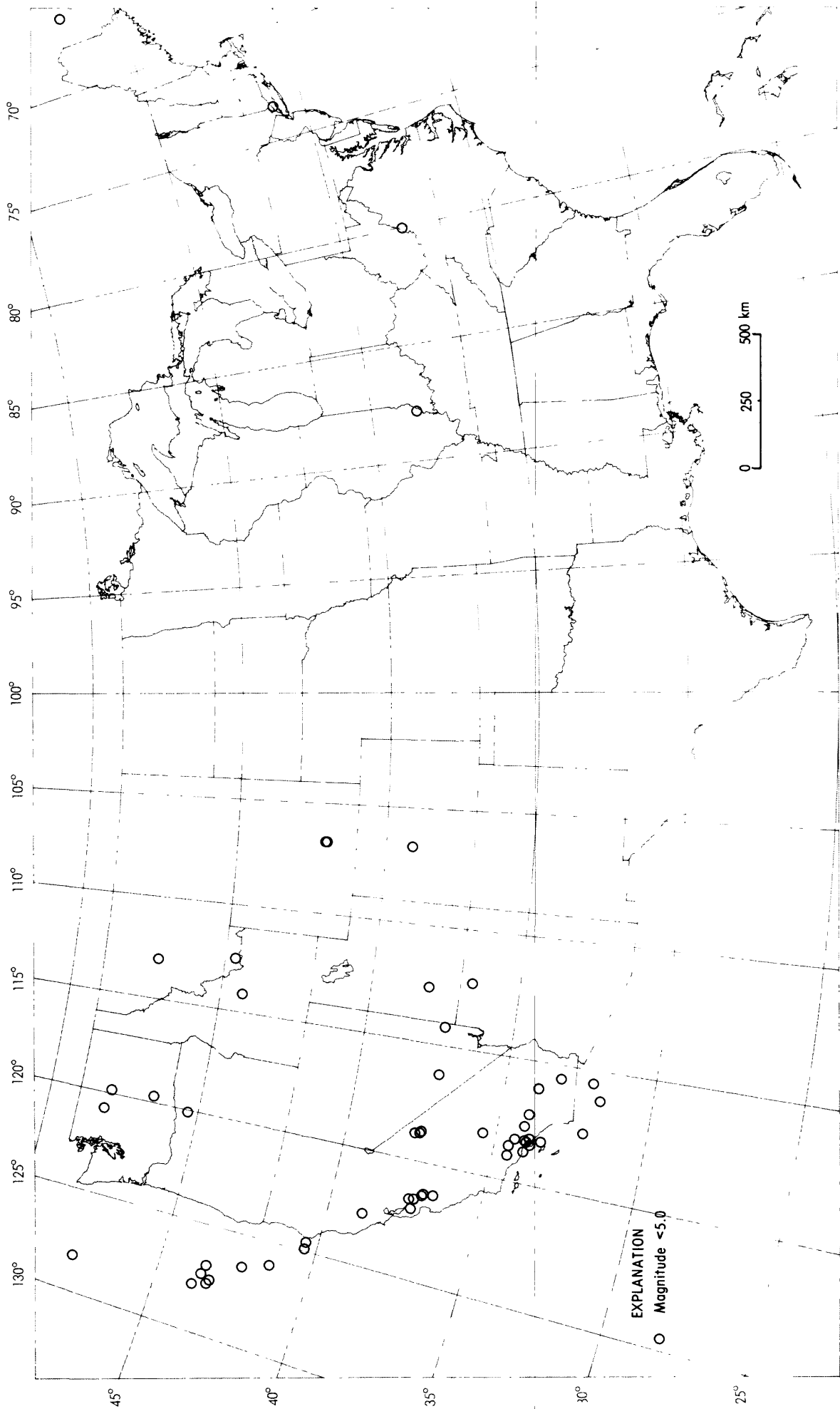


Earthquake Focal Mechanisms for April 1991

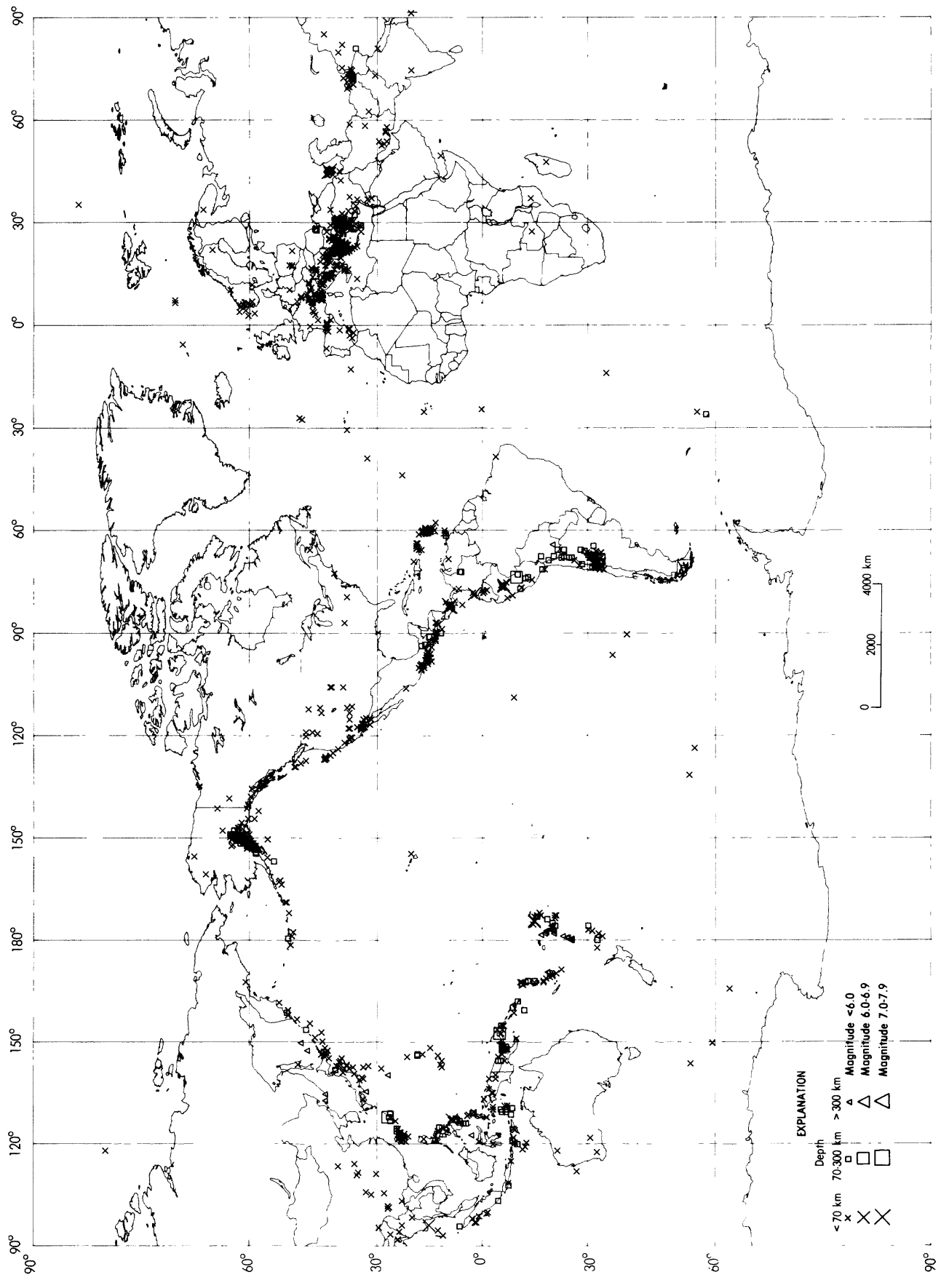




Earthquake epicenters in Alaska and adjacent regions for April, 1991 (C. Stover).



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



Earthquakes located in April, 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

MAY 1991

K E Y	DAY	ORIGIN TIME			GEOGRAPHIC COORDINATES		DEPTH	MAGNITUDES			SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
		UTC HR MN SEC	LAT	LONG	GS MB	Msz							
	01	00 02 32.2	44.012 N	7.246 E	10 G					0.4	13	NORTHERN ITALY. ML 2.2 (LDG).	
	01	00 20 04.7	45.126 N	153.002 E	14 D	5.0	4.4		0.9	113	KURIL ISLANDS REGION		
	01	00 39 55.28	60.087 N	152.847 W	116					34	SOUTHERN ALASKA. <AEIC>.		
	01	00 55 35.37	44.36 N	6.83 E	10 G				0.2	4	FRANCE. ML 1.3 (LDG).		
a	01	00 59 50.1	13.967 S	170.671 E	26 D	4.9	5.0		1.2	36	VANUATU ISLANDS REGION		
	01	01 15 46.17	43.60 N	45.56 E	10 G	3.8			1.4	5	EASTERN CAUCASUS		
	01	01 58 13.98	61.590 N	146.324 W	34					57	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).		
	01	03 06 50.2	42.405 N	43.784 E	10 G	4.5	3.7		1.3	25	WESTERN CAUCASUS		
	01	03 38 08.0	41.977 N	42.826 E	10 G	4.0			1.2	11	TURKEY-USSR BORDER REGION		
	01	04 24 41.2	38.558 N	13.403 E	10 G				1.3	8	SICILY		
	01	04 30 39.47	41.51 N	81.30 E	33 N	4.4			1.2	7	SOUTHERN XINJIANG, CHINA		
a	01	04 32 05.6	6.610 S	154.912 E	77	5.3			1.0	123	SOLOMON ISLANDS		
	01	05 13 35.3	42.505 N	43.434 E	10 G	4.8	4.3		1.3	76	WESTERN CAUCASUS		
	01	05 28 24.78	66.832 N	154.776 W	12					45	ALASKA. <AEIC>. ML 3.3 (AEIC).		
	01	05 47 57.6	43.111 N	0.618 W	10 G				0.3	6	PYRENEES. MD 1.0 (STR).		
	01	06 19 32.0	16.341 N	98.340 W	40 G	4.1			1.1	14	NEAR COAST OF GUERRERO, MEXICO		
	01	06 38 09.9	22.387 S	113.633 W	10 G	5.2	4.5		1.1	75	EASTER ISLAND REGION		
f	01	07 18 43.98	62.476 N	151.413 W	114	6.1				690	CENTRAL ALASKA. <AEIC>. mb 6.4 (BRK). Mo=3.0*10**18 Nm (PPT). Minor damage in the epicentral area near Chelatna Lodge. Slight damage (V) at Willow and in the Anchorage area. Felt (V) at Big Lake, Cantwell, Chickalaan, Chugiak, Cooper Landing, Copper Center, Eagle River, Ester, Glennallen, Kasilof, McGrath, Palmer, Ruby, Skwentna, Sutton, Talkeetna, Wasilla and Whittier. Felt throughout much of south-central Alaska from Fairbanks to Seward and Cordova. Rockslides and avalanches were reported in some mountainous areas. Two events about 2.5 seconds apart. Depths 112 and 111 km., respectively from broadband displacement seismograms.		
	01	07 26 50.2	29.336 S	68.025 W	163 ?				0.9	12	SAN JUAN PROVINCE, ARGENTINA		
	01	07 27 53.57	17.95 N	98.14 W	33 N				0.7	5	GUERRERO, MEXICO		
	01	07 46 00.17	36.37 N	29.16 E	10 G				0.4	4	TURKEY. MD 3.4 (ISK).		
	01	07 47 48.3	29.714 N	89.992 E	33 N				0.9	8	TIBET		
	01	07 49 31.4	40.006 N	28.829 E	13				0.6	11	TURKEY. MD 2.7 (ISK).		
	01	08 09 19.8	16.299 N	61.391 W	10 G				0.7	6	LEEWARD ISLANDS. ML 2.2 (FDF).		
	01	09 09 40.1	41.444 N	29.324 E	10 G				0.4	11	TURKEY. MD 2.6 (ISK).		
	01	09 11 14.5	41.440 N	29.289 E	10 G				0.3	6	TURKEY. MD 2.8 (ISK).		
	01	09 18 50.4	17.865 N	66.791 W	10 G				0.3	5	PUERTO RICO REGION		
	01	09 29 12.6	16.715 N	61.791 W	119 ?				0.2	10	LEEWARD ISLANDS		
	01	09 30 22.2	40.621 N	29.088 E	10 G				0.6	8	TURKEY. MD 2.9 (ISK).		
	01	09 41 12.7	16.275 N	61.388 W	10 G				0.6	5	LEEWARD ISLANDS. ML 1.8 (FDF).		
	01	09 45 40.47	39.70 N	29.35 E	10 G				0.6	4	TURKEY. MD 2.6 (ISK).		
	01	10 09 00.68	37.062 N	121.892 W	11					16	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=2.3*10**14 Nm (BRK). Felt (IV) at Boulder Creek, Mount Herman and Santa Cruz; (III) at Aptas and Scotts Valley. Also felt at Las Gatas.		
	01	10 35 55.5	22.766 S	66.187 W	270 *	4.3			1.4	15	JUJUY PROVINCE, ARGENTINA		
	01	11 29 06.2	35.099 N	110.921 E	10 G				1.1	8	EASTERN CHINA. ML 3.8 (BJI).		
	01	11 36 37.1	40.768 N	29.205 E	10 G				0.5	15	TURKEY. MD 3.2 (ISK).		
	01	11 44 47.6	40.763 N	29.211 E	10 G				0.6	9	TURKEY. MD 2.8 (ISK).		
	01	12 51 04.7	40.741 N	29.232 E	10 G				0.4	5	TURKEY. MD 2.6 (ISK).		
	01	13 01 57.9	33.410 S	67.345 W	208 *	3.9			1.1	17	MENDOZA PROVINCE, ARGENTINA		
	01	13 17 53.2	40.752 N	29.216 E	10 G				1.0	6	TURKEY. MD 2.7 (ISK).		
	01	14 04 54.0	42.957 N	42.677 E	10 G	3.9			0.6	8	WESTERN CAUCASUS		
	01	14 37 53.7	42.458 N	43.374 E	10 G	3.8			1.2	6	WESTERN CAUCASUS		
	01	14 39 31.8	32.310 S	69.659 W	10 G				1.5	6	MENDOZA PROVINCE, ARGENTINA		
	01	15 07 59.9	40.090 N	28.958 E	10 G				0.7	6	TURKEY. MD 2.5 (ISK).		
	01	16 41 56.1	16.001 S	167.366 E	47 *	4.9			1.3	51	VANUATU ISLANDS		

01	17 05 25.9*	41.135 N	70.726 E	33 N	4.4	1.0	7	KIRGHIZ SSR
01	17 09 16.4	4.980 S	139.876 E	33 N	4.4 4.5	1.2	25	WEST IRIAN
01	17 48 24.1*	6.899 S	146.885 E	33 N	3.9	1.1	5	EAST PAPUA NEW GUINEA REGION
01	17 52 45.1%	40.229 N	27.699 E	10 G		0.3	12	TURKEY. MD 3.0 (ISK).
01	18 45 10.1	40.809 N	22.889 E	10 G		1.2	15	GREECE. ML 3.3 (SKO). MD 3.1 (ATH). MD 2.9 (THE).
01	19 09 43.5&	61.152 N	151.954 W	93			46	SOUTHERN ALASKA. <AEIC>.
01	20 47 13.9%	32.711 N	35.705 E	10 G		0.6	8	DEAD SEA REGION
01	22 00 00.9&	60.131 N	153.221 W	139			36	SOUTHERN ALASKA. <AEIC>.
01	22 37 21.2?	8.13 S	128.17 E	149 ?	4.5	0.6	5	TIMOR SEA
01	23 19 11.8*	42.719 N	44.053 E	10 G	4.1 3.5	1.1	14	WESTERN CAUCASUS
02	00 08 06.8%	60.228 N	6.971 E	10 G		1.2	7	SOUTHERN NORWAY. MD 2.0 (BER).
02	00 29 02.1*	17.867 S	69.307 W	161 *	3.9	0.9	6	PERU-BOLIVIA BORDER REGION
02	00 41 22.2*	21.465 S	66.861 W	310 ?		0.7	6	SOUTHERN BOLIVIA
02	00 59 54.7?	40.75 N	19.42 E	10 G		0.8	8	ALBANIA. ML 3.0 (TTG).
02	01 25 30.1	42.541 N	43.960 E	10 G	5.1 4.5	1.3	181	WESTERN CAUCASUS
02	02 07 31.6?	41.34 N	45.17 E	10 G	4.3	1.2	8	EASTERN CAUCASUS
02	02 18 00.1*	42.211 N	43.906 E	10 G	4.1	0.6	8	WESTERN CAUCASUS
02	02 18 02.1*	47.429 N	13.073 E	10 G		1.5	6	AUSTRIA. ML 2.5 (VIE).
o 02	02 23 39.2	21.724 S	173.901 W	33 N	5.1 5.3	1.3	56	TONGA ISLANDS. Mo=3.0*10**17 Nm (PPT).
02	03 42 26.1*	42.608 N	43.477 E	10 G	4.0	0.9	10	WESTERN CAUCASUS
02	04 30 53.9*	42.481 N	43.201 E	10 G	3.9	1.2	8	WESTERN CAUCASUS
02	04 32 56.6&	60.156 N	142.535 W	0			23	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
02	06 54 14.3	34.804 N	26.477 E	20	4.6	1.1	32	CRETE
o 02	07 01 57.2	9.392 N	77.281 W	36 D	5.7 5.3	1.1	286	NEAR NORTH COAST OF COLOMBIA. Ms 5.2 (BRK). MD 5.0 (UPA). Mo=3.0*10**17 Nm (PPT). Felt at Panama City, Panama.
02	07 05 32.0*	9.126 N	81.884 W	10 G		0.8	7	PANAMA. MD 4.8 (UPA). 4.8 (SJR). Felt at Changuinola, Chiriqui Grande and as far east as Panama City. Also felt in northeastern Costa Rica.
02	07 26 03.1*	5.540 S	77.011 W	97 *	4.6	0.9	25	NORTHERN PERU
02	09 00 35.2*	42.704 N	43.692 E	10 G	4.1	1.3	11	WESTERN CAUCASUS
02	09 14 34.3%	39.088 N	27.643 E	10 G		0.3	7	TURKEY. MD 2.8 (ISK).
02	09 29 23.6%	39.118 N	27.612 E	10 G		1.2	5	TURKEY. MD 2.6 (ISK).
02	09 32 35.5%	39.629 N	29.509 E	10 G		0.8	8	TURKEY. MD 2.7 (ISK).
02	09 37 12.6*	36.834 N	21.526 E	10 G		1.0	12	SOUTHERN GREECE. ML 3.5 (ATH). MD 3.7 (THE).
02	09 44 41.4	42.483 N	43.507 E	10 G	4.5	1.1	46	WESTERN CAUCASUS
02	10 15 17.7	47.929 N	16.209 E	10 G	3.8	1.2	108	AUSTRIA. ML 4.3 (KBA). 4.0 (ZAG). MD 3.8 (TRI). Felt (VI) at Ebenfurth. Felt at Bratislava, Znojmo and Trebic, Czechoslovakia and at Sopron, Hungary.
02	10 22 25.2%	39.110 N	27.596 E	10 G		0.3	5	TURKEY
02	10 37 00.5*	30.663 S	72.249 W	33 N		1.3	14	OFF COAST OF CENTRAL CHILE
02	11 19 12.5?	47.87 N	16.39 E	10 G		0.0	4	AUSTRIA. ML 2.2 (VKA).
02	11 38 02.0%	39.141 N	27.606 E	10 G		0.6	6	TURKEY. MD 2.6 (ISK).
02	11 49 06.1	21.035 S	178.892 W	613	4.9	0.9	30	FIJI ISLANDS REGION
02	11 52 39.0?	41.15 N	28.45 E	10 G		1.3	4	TURKEY. MD 2.5 (ISK).
02	12 20 20.6	41.100 N	22.428 E	10 G		0.5	13	YUGOSLAVIA. ML 2.5 (SKO). MD 2.9 (THE).
02	12 27 19.8%	39.097 N	27.631 E	10 G		0.0	5	TURKEY. MD 2.6 (ISK).
02	14 35 23.9*	45.359 N	14.466 E	10 G		0.4	5	YUGOSLAVIA
02	14 42 45.5%	39.424 N	27.962 E	10 G		1.1	7	TURKEY. MD 2.8 (ISK).
02	14 56 24.1%	40.791 N	29.470 E	10 G		0.8	6	TURKEY. MD 2.6 (ISK).
02	15 02 30.1	53.483 N	165.547 W	33 N	4.9 3.9	0.9	69	FOX ISLANDS, ALEUTIAN ISLANDS
02	15 27 24.2	8.526 N	126.963 E	76 *	5.0	1.1	44	MINDANAO, PHILIPPINE ISLANDS
02	16 24 02.3&	63.044 N	149.927 W	95			36	CENTRAL ALASKA. <AEIC>.
o 02	16 58 26.1	21.849 S	175.194 E	33 N	4.6	1.5	26	SOUTH OF FIJI ISLANDS
02	17 29 04.7*	48.493 N	154.657 E	33 N	4.4 4.0	0.8	24	KURIL ISLANDS
02	17 41 31.7	5.105 S	151.408 E	154	4.9	0.9	35	NEW BRITAIN REGION
02	18 39 50.4?	51.32 N	16.14 E	10 G		1.4	4	POLAND
02	18 55 38.1	44.336 N	7.306 E	10 G		0.5	10	NORTHERN ITALY. ML 2.2 (LDG). MD 1.5 (STR).
02	19 34 51.6*	28.448 S	68.967 W	194 ?		0.9	14	LA RIOJA PROVINCE, ARGENTINA
02	19 40 46.6?	43.01 N	0.85 W	10 G		0.7	4	PYRENEES. MD 1.0 (STR).
02	19 42 34.7	46.483 N	150.044 E	24 D	5.0 4.1	0.9	53	KURIL ISLANDS
02	20 07 03.7*	5.092 S	139.955 E	33 N	4.8 4.5	1.1	24	WEST IRIAN
02	20 32 48.2?	44.54 N	6.86 E	10 G		0.2	4	FRANCE. ML 1.9 (GEN).
02	21 52 28.2*	38.096 N	68.545 E	33 N	4.0	1.3	8	TAJIK SSR
02	22 03 09.5%	18.024 N	66.768 W	10 G		1.1	5	PUERTO RICO REGION
02	22 12 45.5?	36.99 N	20.70 E	5 G		1.5	11	MEDITERRANEAN SEA. ML 3.5 (ATH). MD 3.3 (THE).
02	22 27 45.5	47.910 N	16.317 E	10 G		1.3	16	AUSTRIA. ML 3.1 (KBA). ML 2.7 (VKA). Felt (IV) at Ebenfurth.
02	22 30 03.3?	32.41 S	179.22 W	435 ?	4.1	0.9	18	SOUTH OF KERMADec ISLANDS
02	22 48 06.7	18.562 S	69.713 W	128 *	4.7	1.2	17	NORTHERN CHILE
02	23 19 47.4*	47.930 N	16.352 E	10 G		1.2	5	AUSTRIA. Felt (III) at Ebenfurth.
03	00 59 50.3	40.525 N	19.583 E	15		1.4	29	ALBANIA. ML 4.0 (TIR). MD 3.2 (THE).
f 03	02 14 14.4	28.080 N	139.585 E	433 G	6.0	1.0	537	BONIN ISLANDS REGION. mb 6.0 (BRK). Mo=6.0*10**18 Nm (PPT). Felt on Chichi-shima. Depth from broadband displacement seismograms.
03	05 28 35.4*	32.530 S	69.884 W	140 ?		0.4	7	MENDOZA PROVINCE, ARGENTINA
03	06 08 37.1	42.482 N	43.363 E	10 G	4.6 3.8	0.9	23	WESTERN CAUCASUS. Felt (IV) at Tsesi, USSR.
03	06 12 54.2?	41.93 N	43.80 E	33 N	4.2	1.0	10	TURKEY-USSR BORDER REGION
03	08 30 26.5&	37.267 N	121.673 W	5			13	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
03	09 14 59.0*	19.481 S	70.182 W	52 ?	4.4	0.6	6	NEAR COAST OF NORTHERN CHILE
03	09 23 29.2%	39.093 N	27.583 E	10 G		0.6	6	TURKEY. MD 2.7 (ISK).
03	10 03 46.5?	39.53 N	29.57 E	10 G		0.8	4	TURKEY. MD 2.6 (ISK).
03	10 09 27.9?	39.53 N	29.49 E	12 G		0.5	4	TURKEY. MD 2.8 (ISK).
03	14 05 35.3?	53.97 N	164.48 W	33 N	4.7	1.1	11	UNIMAK ISLAND REGION
03	14 35 59.7*	40.757 N	15.866 E	24 *		1.2	12	SOUTHERN ITALY
03	15 03 07.9	40.846 N	27.897 E	13		0.7	37	TURKEY
03	15 18 41.2&	61.962 N	151.883 W	99			66	SOUTHERN ALASKA. <AEIC>.
03	15 22 35.4	41.291 N	29.048 E	10 G		0.9	13	TURKEY. MD 3.1 (ISK).
03	15 37 05.6&	57.487 N	142.969 W	10 G			15	GULF OF ALASKA. <AEIC>. ML 2.8 (AEIC).
03	16 44 12.9*	11.067 N	61.807 W	33 N		0.3	5	WINDWARD ISLANDS. MD 3.4 (TRN).
03	16 51 05.9*	17.713 N	60.791 W	33 N		0.7	24	LEEWARD ISLANDS. ML 4.3 (FDF). MD 4.3 (TRN).
03	16 58 17.0?	12.94 S	118.84 E	33 N	3.4	0.8	8	SOUTH OF SUMBAWA ISLAND
03	17 28 13.9?	36.73 S	143.96 E	33 N	3.4	1.2	5	VICTORIA, AUSTRALIA. ML 3.3 (TOO). 3.2 (CNB).

03	17 36 00.2	7.329 S	120.416 E	495	4.9	1.0	76	FLORES SEA
03	18 55 26.4	34.060 N	116.410 W	7			7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt in the Desert Hot Springs area.
03	19 21 04.1	46.26 N	150.29 E	33 N	4.5	1.2	7	KURIL ISLANDS
03	19 35 31.6	17.54 N	60.93 W	10 G		0.2	5	LEEWARD ISLANDS. ML 3.1 (FDF).
03	20 19 38.8	42.683 N	43.247 E	10 G	5.3 5.2	1.2	272	WESTERN CAUCASUS. At least 3 people killed by landslides in Georgia, USSR.
03	22 32 33.3	37.411 N	21.641 E	10 G		1.0	13	SOUTHERN GREECE. ML 3.1 (ATH). MD 3.4 (THE).
03	22 36 47.6	46.28 N	26.84 E	239 ?		1.4	20	ROMANIA
03	22 54 41.8	37.431 N	21.589 E	10 G		1.2	9	SOUTHERN GREECE. ML 3.3 (ATH). MD 3.5 (THE).
03	23 41 01.8	42.647 N	43.263 E	11 D	5.2 3.9	1.1	220	WESTERN CAUCASUS. Felt in the Dzhovo-Chiotura-Ambrolouri area, USSR.
03	23 56 58.2	29.811 N	42.721 W	10 G	5.1 5.1	1.1	103	NORTH ATLANTIC RIDGE
04	00 02 54.6	29.631 N	42.823 W	10 G	4.5	1.0	18	NORTH ATLANTIC RIDGE
04	00 13 49.5	36.876 N	21.327 E	10 G	3.6	0.8	15	SOUTHERN GREECE. ML 3.5 (ATH). MD 3.2 (THE).
04	00 17 33.2	61.209 N	150.629 W	39			38	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
04	00 25 01.6	29.61 N	42.39 W	10 G	3.8	1.4	7	NORTH ATLANTIC RIDGE
04	01 14 59.2	36.564 N	89.797 W	9			12	NEW MADRID, MISSOURI REGION. <SLM>. mbLg 2.0 (SLM). Foreshock.
04	01 18 54.9	36.564 N	89.823 W	5	4.4		54	NEW MADRID, MISSOURI REGION. <SLM>. mbLg 5.0 (BLA), 4.9 (TUL), 4.6 (GS). Slight damage (VI) at Campbell, Bloomfield, Gideon, New Madrid, Risco and Tallopooso, Missouri. Also slight damage (VI) at Corning, Mormoduke, Piggott and Pachontas, Arkansas. Felt (V) in many parts of southeastern Missouri and northeastern Arkansas. Also felt (V) at Memphis, Bogota and Tiptonville, Tennessee. Felt in ports of Arkansas, Illinois, Kentucky, Mississippi, Missouri and Tennessee.
04	01 31 16.9	31.318 S	68.271 W	105 ?		0.7	7	SAN JUAN PROVINCE, ARGENTINA
04	01 33 44.6	61.936 N	150.697 W	4			43	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
04	01 52 54.1	29.620 N	42.827 W	10 G	4.9 4.7	1.3	50	NORTH ATLANTIC RIDGE
04	02 34 31.1	16.37 S	168.23 E	32 *	4.1	1.1	6	VANUATU ISLANDS
04	03 04 39.2	40.876 N	25.828 E	10 G		0.8	5	AELEAN SEA
04	03 42 54.5	9.542 N	82.418 W	10 G	5.6 6.2	1.3	256	PANAMA-COSTA RICA BORDER REGION. Ms 6.2 (BRK). Mo=3.0*10**18 Nm (PPT). Thirty-six people injured, 400 families homeless, ground cracks and liquefaction in the Changuinola-Almirante-Bocos del Toro area, Panama. Felt strongly at Limon, Costa Rica. Felt from the Central Valley of Costa Rica as far east as Santiago, Panama.
04	03 51 45.1	21.52 S	170.30 E	33 N	4.7	1.4	6	LOYALTY ISLANDS REGION
04	03 55 04.2	26.249 S	178.413 E	593 ?	5.0	1.1	27	SOUTH OF FIJI ISLANDS
04	04 53 35.6	42.15 N	43.51 E	10 G	4.2	1.4	11	WESTERN CAUCASUS
04	05 34 44.9	28.93 S	70.45 W	169 ?		0.7	8	CENTRAL CHILE
04	05 36 33.5	23.900 N	123.398 E	33 N	5.2 5.0	1.1	148	SOUTHWESTERN RYUKYU ISLANDS
04	06 21 44.3	43.022 N	18.665 E	10 G		0.2	6	YUGOSLAVIA. ML 1.6 (TTG).
04	06 56 17.3	23.787 N	123.460 E	33 N	3.8	0.7	9	SOUTHWESTERN RYUKYU ISLANDS
04	06 59 00.6	37.859 N	6.386 W	10 G		0.5	12	SPAIN. mbLg 3.1 (MDD).
04	07 11 34.1	45.326 N	26.566 E	33 N		1.1	6	ROMANIA
04	07 33 34.9	50.03 N	9.71 E	10 G		0.4	6	GERMANY. ML 3.0 (LDG).
04	07 46 53.1	59.996 N	152.579 W	94			39	SOUTHERN ALASKA. <AEIC>.
04	09 21 34.4	38.685 N	27.130 E	10 G		0.9	7	TURKEY. MD 3.4 (ISK).
04	09 57 01.0	31.467 S	68.648 W	114 *		1.2	10	SAN JUAN PROVINCE, ARGENTINA
04	10 22 44.5	57.937 N	145.447 W	10 G			29	GULF OF ALASKA. <AEIC>. ML 2.5 (AEIC).
04	12 02 33.2	42.760 N	19.202 E	10 G		0.3	8	YUGOSLAVIA. ML 1.7 (TTG).
04	12 14 57.1	5.593 S	131.440 E	33 N	4.6	0.7	6	BANDA SEA
04	12 40 56.5	51.889 N	158.881 E	65 D	4.9	0.9	109	NEAR EAST COAST OF KAMCHATKA
04	13 00 52.1	6.136 S	77.158 W	33 N	5.0	1.0	53	NORTHERN PERU. Felt in the Moyobombo area.
04	13 32 22.4	41.074 N	22.495 E	10 G		0.5	6	YUGOSLAVIA. ML 1.6 (SKO). MD 1.9 (THE).
04	14 05 47.2	43.120 N	0.563 W	10 G		0.3	7	PYRENEES. MD 1.0 (STR).
04	14 06 18.8	4.96 S	145.34 E	13 ?	3.2	1.4	5	NEAR N COAST OF PAPUA NEW GUINEA
04	14 08 05.0	42.509 N	19.422 E	10 G		0.3	6	YUGOSLAVIA. ML 1.4 (TTG).
04	14 23 34.7	44.733 N	150.270 E	33 N	4.8	1.2	36	KURIL ISLANDS REGION
04	14 31 29.9	27.148 N	140.074 E	431 D	5.2	0.9	189	BONIN ISLANDS REGION
04	14 50 00.6	32.38 S	71.62 W	98 *		1.6	10	NEAR COAST OF CENTRAL CHILE
04	14 53 12.2	32.793 S	69.329 W	10 G		1.2	6	MENDOZA PROVINCE, ARGENTINA
04	15 25 11.4	4.218 S	149.425 E	33 N	4.7	1.0	5	BISMARCK SEA
04	15 38 00.0	41.158 N	28.535 E	10 G		0.9	10	TURKEY. MD 2.9 (ISK).
04	16 00 39.5	31.889 S	72.029 W	14		0.9	15	OFF COAST OF CENTRAL CHILE
04	16 17 57.3	32.15 S	71.84 W	33 N		0.7	9	NEAR COAST OF CENTRAL CHILE
04	16 29 37.3	31.901 S	72.059 W	99 ?		1.5	18	OFF COAST OF CENTRAL CHILE
04	16 33 18.6	8.63 S	69.00 E	10 G	4.7	1.1	16	CHAGOS ARCHIPELAGO REGION
04	17 06 04.0	38.401 N	23.559 E	10 G		0.3	9	GREECE. ML 2.6 (ATH). MD 2.8 (THE).
04	17 11 21.2	61.273 N	150.176 W	36			44	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
04	17 58 45.4	0.357 N	122.195 E	146 *	4.7	0.6	19	MINAHASSA PENINSULA
04	18 28 19.8	37.552 N	118.432 W	5			31	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.1 (BRK), 4.0 (PAS).
04	18 34 34.5	31.849 S	72.160 W	33 N		0.8	12	OFF COAST OF CENTRAL CHILE
04	19 12 33.6	61.175 N	150.061 W	15			32	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
04	19 20 02.4	43.349 N	8.838 W	10 G		0.8	15	SPAIN. mbLg 3.0 (MDD). Felt (III) at Santiago.
04	19 37 45.1	41.125 N	22.375 E	10 G		0.6	9	YUGOSLAVIA. ML 1.6 (SKO). MD 1.9 (THE).
04	20 31 05.7	58.528 N	142.829 W	10 G			47	GULF OF ALASKA. <AEIC>. ML 3.3 (AEIC).
04	21 03 16.9	10.484 N	125.275 E	55 ?	4.4	1.4	10	LEYTE, PHILIPPINE ISLANDS
04	21 28 14.5	13.717 N	144.981 E	116	5.3	1.1	178	MARIANA ISLANDS. Felt (IV) in northern Guam and (III) in central Guam.
04	22 38 42.8	38.84 N	23.47 E	33 N		0.7	5	GREECE. ML 3.2 (ATH).
04	22 54 27.1	44.915 N	6.835 E	9		0.6	22	FRANCE. ML 2.7 (GEN), 2.6 (LDG).
04	23 04 54.2	34.510 N	119.280 W	5			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
04	23 16 04.3	43.331 N	5.562 E	5 G		0.9	12	NEAR SOUTH COAST OF FRANCE. ML 3.0 (LDG). MD 2.7 (STR).
05	00 01 07.2	31.938 N	35.750 E	10 G		0.6	7	DEAD SEA REGION
05	00 15 38.2	45.87 N	8.07 E	10 G		0.1	6	NORTHERN ITALY. ML 2.4 (LDG).
05	01 18 03.9	40.991 N	22.339 E	10 G		0.5	13	GREECE. ML 1.7 (SKO).

05	01	45	07.9?	31.36	S	68.77	W	111 ?	0.6	6	SAN JUAN PROVINCE, ARGENTINA
05	02	47	44.9*	10.501	N	125.441	E	85 D 4.9	1.1	31	LEYTE, PHILIPPINE ISLANDS
05	02	52	08.5%	62.127	N	5.981	E	10 G	0.5	6	SOUTHERN NORWAY. MD 2.0 (BER).
05	03	16	43.1	40.663	N	30.033	E	10 G	1.4	14	TURKEY. MD 3.2 (ISK).
05	03	40	54.5&	59.712	N	153.589	W	122	19	SOUTHERN ALASKA. <AEIC>.	
05	04	09	50.7?	41.34	N	21.16	E	10 G	0.1	4	YUGOSLAVIA. MG 2.2 (TIR).
05	04	28	03.2*	37.950	N	20.860	E	10 G	0.8	6	IONIAN SEA. ML 3.5 (ATH).
05	04	40	15.2*	31.534	S	67.812	W	33 N	0.7	6	SAN JUAN PROVINCE, ARGENTINA
05	05	08	58.8	10.342	N	125.210	E	57 * 5.1 4.1	1.0	62	LEYTE, PHILIPPINE ISLANDS
05	05	15	21.8&	62.109	N	149.232	W	44	6	CENTRAL ALASKA. <AEIC>. ML 2.4 (AEIC).	
05	05	45	25.6*	35.487	S	71.019	W	114 *	0.5	15	CENTRAL CHILE
05	05	46	45.7	38.415	N	21.702	E	10 G	0.8	9	GREECE. ML 3.3 (ATH). MD 3.2 (THE).
05	05	58	00.3?	45.90	N	26.78	E	102 ?	0.1	7	ROMANIA
05	06	33	37.1	42.249	N	13.663	E	20 3.5	1.1	37	CENTRAL ITALY. ML 3.6 (LDG).
05	06	57	09.2%	16.289	N	61.385	W	10 G	0.7	7	LEEWARD ISLANDS. ML 2.4 (FDF).
05	07	09	23.0	35.876	N	69.869	E	117 * 4.5	1.4	27	HINDU KUSH REGION
05	09	36	13.4	71.018	N	1.620	E	10 G 4.4 3.2	1.3	56	NORWEGIAN SEA
05	11	05	03.6	23.353	N	125.678	E	33 N 4.6	1.3	23	SOUTHWESTERN RYUKYU ISLANDS
05	11	23	19.4%	39.118	N	27.716	E	10 G	0.6	6	TURKEY. MD 2.7 (ISK).
05	11	43	20.8	44.574	N	114.278	W	5 G	0.3	10	WESTERN IDAHO. ML 2.9 (BUT).
05	12	13	45.9%	40.666	N	29.793	E	10 G	1.3	6	TURKEY. MD 2.7 (ISK).
05	13	04	35.4	41.116	N	22.483	E	10 G	0.4	7	YUGOSLAVIA. ML 1.5 (SKO). MD 1.8 (THE).
05	13	53	02.9%	39.464	N	29.168	E	10 G	0.4	11	TURKEY. MD 3.0 (ISK).
05	13	53	18.1?	44.29	N	6.08	E	10 G	0.3	5	FRANCE. ML 2.7 (LDG).
05	14	13	17.4*	41.888	N	20.340	E	10 G	1.8	5	ALBANIA. ML 1.9 (SKO).
05	15	05	46.9*	10.201	N	125.107	E	75 ? 4.8	1.2	20	LEYTE, PHILIPPINE ISLANDS
05	15	33	04.2	45.564	N	27.786	E	33 N	0.8	8	ROMANIA
05	16	01	54.0*	9.067	N	126.725	E	33 N 4.9	1.3	30	MINDANAO, PHILIPPINE ISLANDS
05	16	22	28.0&	62.268	N	148.978	W	48	77	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC).	
05	16	32	32.8	37.700	N	15.047	E	10 G	0.9	6	SICILY
05	16	41	32.0	37.691	N	15.041	E	10 G	0.3	6	SICILY
05	17	16	57.0	40.273	N	15.952	E	33 N 4.1	1.3	89	SOUTHERN ITALY. ML 4.3 (TTG). MD 4.6 (TRI), 4.1 (ATH), 4.1 (THE).
05	17	52	08.2*	37.659	N	15.053	E	10 G	0.5	5	SICILY
05	18	11	54.3*	2.901	S	134.558	E	33 N 4.8	1.4	18	WEST IRIAN REGION
05	18	38	02.8	70.841	N	7.485	W	10 G 3.8	1.0	11	JAN MAYEN ISLAND REGION. MD 3.3 (BER).
05	19	31	22.5*	14.494	S	71.482	W	33 N 4.5	0.8	5	PERU
05	19	36	44.3	17.759	N	65.049	W	62 * 3.6	0.8	15	PUERTO RICO REGION
05	20	05	52.7&	61.541	N	147.908	W	11	65	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).	
05	20	41	05.3?	33.65	S	72.10	W	18 *	0.6	8	OFF COAST OF CENTRAL CHILE
05	20	59	24.1	41.093	N	22.476	E	10 G 3.7	1.1	8	YUGOSLAVIA
05	21	36	46.6	37.627	N	15.090	E	10 G	1.1	12	SICILY. MD 3.1 (ROM).
05	21	52	05.8?	6.44	S	123.76	E	33 N 4.2	1.4	6	BANDA SEA
o 05	22	15	47.9	53.527	N	169.857	E	28 D 5.0 4.5	0.9	127	KOMANDORSKY ISLANDS REGION
05	23	42	46.0*	0.334	S	125.059	E	105 ? 4.8	1.0	17	MOLUCCA SEA
05	23	48	43.9%	23.689	N	121.652	E	10 G	0.5	6	TAIWAN
o 06	00	10	23.4	10.373	N	125.328	E	25 * 5.1 5.2	1.2	78	LEYTE, PHILIPPINE ISLANDS
06	00	19	05.7%	16.287	N	61.131	W	30 *	0.4	6	LEEWARD ISLANDS. ML 2.3 (FDF).
06	00	26	12.9	10.353	N	125.253	E	32 D 5.4 5.5	1.2	110	LEYTE, PHILIPPINE ISLANDS. Felt (II RF) at Palo. Also felt (II RF) on Cebu and (I RF) at Cagayan de Ora, Mindanao.
06	00	30	44.6	49.825	N	8.937	E	10 G	1.4	14	GERMANY. ML 3.2 (LDG), 2.4 (BNS), 2.4 (KOE).
06	00	48	44.5	38.389	N	26.383	E	12	1.1	17	AEGEAN SEA. MD 3.3 (ATH).
06	01	05	08.2	10.277	N	125.450	E	33 N 4.8	1.1	24	LEYTE, PHILIPPINE ISLANDS
06	01	06	13.7%	43.080	N	0.416	W	10 G	0.1	7	PYRENEES. MD 1.7 (STR).
06	01	07	50.3*	45.320	N	14.500	E	10 G	1.4	8	YUGOSLAVIA. MD 2.6 (LJU), 2.1 (TRI). ML 2.2 (KBA).
06	01	35	27.9*	42.747	N	43.126	E	10 G 4.4	1.4	18	WESTERN CAUCASUS
06	02	54	24.4?	41.90	N	43.29	E	33 N 4.0 3.5	1.4	6	TURKEY-USSR BORDER REGION
06	03	40	25.3	10.904	S	162.567	E	97 * 5.4	0.8	46	SOLOMON ISLANDS
06	04	04	17.0&	60.110	N	153.238	W	136	66	SOUTHERN ALASKA. <AEIC>.	
06	04	45	50.6%	31.305	S	67.923	W	10 G	0.3	5	SAN JUAN PROVINCE, ARGENTINA
06	05	13	49.7&	40.473	N	124.692	W	13	8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).	
06	05	15	53.4&	40.478	N	124.710	W	15	4	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).	
06	05	26	05.6?	14.84	S	167.24	E	240 ? 4.6	1.3	36	VANUATU ISLANDS
06	06	44	18.1	39.517	N	21.968	E	10 G	1.4	8	GREECE. MD 2.7 (THE).
06	07	25	20.9%	37.554	N	2.338	W	10 G	0.7	14	SPAIN. mbLg 3.5 (MDD). Felt (III) at Chirivel.
06	07	26	22.6*	32.130	S	68.341	W	119 ?	0.6	7	MENDOZA PROVINCE, ARGENTINA
06	08	02	44.6	1.061	N	126.143	E	33 N 5.0	0.9	25	MOLUCCA PASSAGE
06	08	45	21.2%	39.138	N	27.597	E	10 G	0.4	6	TURKEY. MD 2.7 (ISK).
06	08	45	24.9*	37.979	N	19.965	E	10 G	1.2	6	IONIAN SEA. MD 3.3 (ATH).
06	08	48	13.8%	37.577	N	2.433	W	10 G	1.1	5	SPAIN. mbLg 2.7 (MDD).
06	09	31	42.8	29.853	N	131.510	E	32 D 5.2 5.0	0.9	104	RYUKYU ISLANDS REGION
06	09	43	42.6?	44.27	N	7.44	E	10 G	0.3	6	NORTHERN ITALY. ML 2.4 (LDG).
06	09	54	38.9%	32.257	N	36.491	E	10 G	0.5	8	DEAD SEA REGION
06	10	34	04.9	53.436	N	164.047	W	33 N 5.0 4.7	1.0	86	UNIMAK ISLAND REGION
06	11	28	52.1&	59.429	N	150.273	W	14	53	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).	
06	12	01	29.8	38.223	N	30.235	W	10 G 4.8 3.8	1.0	49	AZORES ISLANDS
06	12	15	18.9?	44.76	N	7.21	E	10 G	0.1	4	NORTHERN ITALY. ML 1.8 (GEN).
06	12	48	51.9*	31.369	N	141.669	E	33 N 4.8	0.6	14	SOUTH OF HONSHU, JAPAN
06	13	30	49.5	44.388	N	7.395	E	10 G	0.3	6	NORTHERN ITALY. ML 1.4 (GEN).
06	13	40	05.2?	45.77	N	26.73	E	152 ?	0.4	7	ROMANIA
06	14	12	58.7	51.681	N	173.637	W	33 N 4.8 4.6	1.1	104	ANDREANOF ISLANDS, ALEUTIAN IS.
06	16	41	16.5	46.891	N	6.594	E	10 G	1.3	28	SWITZERLAND. ML 3.0 (LDG). MD 2.8 (STR).
06	16	42	37.6	41.185	N	23.153	E	10 G	0.2	6	GREECE-BULGARIA BORDER REGION. MD 2.0 (THE).
06	18	27	40.4	39.339	N	21.587	E	9	1.1	20	GREECE. MD 3.4 (ATH), 3.3 (THE).
06	18	33	45.6	30.987	N	49.736	E	33 N 4.6 4.2	1.0	51	WESTERN IRAN. ML 4.2 (BMU).
06	18	46	32.1	73.252	N	6.552	E	10 G 4.6	1.3	33	GREENLAND SEA
06	19	32	23.0*	10.549	N	125.655	E	33 N 4.2	1.3	11	LEYTE, PHILIPPINE ISLANDS
06	21	21	24.6	37.666	N	15.024	E	10 G	0.9	8	SICILY
06	22	15	17.5	37.542	N	2.332	W	10 G	0.5	7	SPAIN. mbLg 3.2 (MDD).
o 06	22	50	45.3	20.871	S	177.868	W	497 D 5.5	1.0	217	FIJI ISLANDS REGION
06	22	50	53.9?	39.09	N	26.76	E	10 G	1.1	4	TURKEY. MD 2.7 (ISK).
06	22	56	03.3&	58.108	N	143.399	W	10 G	1.5	15	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).

07	00 06 41.2	44.867 N	6.849 E	10 G	0.4	14	FRANCE. ML 2.4 (LDG).
07	00 15 00.0	28.113 N	55.697 E	68 *	4.4	1.0	36 SOUTHERN IRAN
07	00 36 20.2	37.562 N	2.329 W	10 G	1.3	25	SPAIN. mbLg 4.0 (MDD). Felt (IV) at Chirivel.
07	01 08 46.8*	44.442 N	16.680 E	10 G	0.9	5	YUGOSLAVIA
07	01 29 47.1*	32.741 S	68.802 W	33 N	1.0	7	MENDOZA PROVINCE, ARGENTINA
07	01 42 53.7*	39.863 N	22.935 E	10 G	0.6	8	GREECE. MD 1.6 (THE).
07	02 13 55.5*	40.566 N	29.294 E	10 G	0.6	5	TURKEY. MD 2.6 (ISK).
07	02 17 58.3*	16.281 N	147.997 E	76 *	4.5	1.0	18 MARIANA ISLANDS REGION
07	03 02 43.9	51.580 N	16.251 E	10 G	3.8	0.7	11 POLAND. ML 3.6 (VKA), 3.6 (GRF).
07	03 08 55.8*	18.233 S	168.705 E	44 *	4.2 4.4	1.3	34 VANUATU ISLANDS
07	04 36 48.5*	23.425 N	121.790 E	10 G	4.1	1.5	18 TAIWAN
07	04 41 52.0*	43.019 N	18.664 E	10 G	0.3	9	YUGOSLAVIA. ML 1.5 (TTG).
07	05 03 14.3*	60.55 N	5.22 E	10 G	0.8	4	SOUTHERN NORWAY. MD 1.6 (BER).
07	06 03 17.5	44.005 N	19.165 E	10 G	0.8	8	YUGOSLAVIA. ML 2.5 (TTG).
07	06 35 35.2*	41.24 N	29.30 E	10 G	0.1	4	TURKEY. MD 2.7 (ISK).
07	06 38 05.8	20.727 S	67.875 W	183 D	4.8	1.4	58 SOUTHERN BOLIVIA
07	06 45 24.5	6.443 S	147.620 E	76	4.9	0.8	14 EAST PAPUA NEW GUINEA REGION
07	06 51 10.5	67.701 N	158.836 W	33 N	0.4	23	ALASKA. ML 3.4 (AEIC), 3.3 (PMR).
07	06 59 02.7*	3.751 S	80.580 W	100 ?	4.1	1.0	8 PERU-ECUADOR BORDER REGION
07	08 00 28.3*	39.119 N	27.520 E	10 G	0.4	5	TURKEY. MD 2.4 (ISK).
07	08 24 42.6*	7.397 S	128.905 E	145 *	5.3	1.4	20 BANDA SEA
07	08 25 29.9*	3.611 S	145.739 E	30 *	5.3	1.3	12 NEAR N COAST OF PAPUA NEW GUINEA
07	08 40 33.3*	11.22 N	63.43 W	33 N	4.0	0.5	7 CARIBBEAN SEA. MD 4.5 (TRN).
07	08 49 28.2*	38.902 N	27.546 E	10 G	0.4	5	TURKEY. MD 2.7 (ISK).
07	09 01 23.6*	42.606 N	43.125 E	10 G	4.2	0.7	8 WESTERN CAUCASUS
07	09 11 53.6*	39.17 N	27.49 E	10 G	0.4	4	TURKEY. MD 2.5 (ISK).
07	10 07 05.0*	39.61 N	29.48 E	10 G	0.9	5	TURKEY. MD 2.7 (ISK).
07	10 20 42.0*	39.12 N	27.60 E	10 G	1.4	4	TURKEY. MD 2.6 (ISK).
07	10 22 43.3*	37.735 N	29.280 E	10 G	0.5	5	TURKEY. MD 3.3 (ISK).
07	10 23 38.3*	62.229 N	147.572 W	52	2.7	69	CENTRAL ALASKA. <AEIC>.
07	10 58 07.3	10.646 N	62.563 W	101	4.1	0.9	25 NEAR COAST OF VENEZUELA. MD 4.5 (TRN). Felt at Port of Spain, Trinidad.
07	11 45 04.5*	39.269 N	22.886 E	10 G	0.2	7	GREECE. MD 2.5 (THE).
07	12 14 20.9	47.079 N	6.803 E	10 G	0.7	9	FRANCE. ML 2.3 (LDG).
07	13 08 53.7*	39.106 N	27.605 E	10 G	0.8	5	TURKEY. MD 2.6 (ISK).
f 07	13 09 28.7	39.430 N	144.714 E	10 G	6.4 5.8	1.0	495 OFF EAST COAST OF HONSHU, JAPAN. Ms 5.7 (BRK), 5.6 (PAS). Mo=1.0*10**18 Nm (PPT). Complex event observed on broadband displacement seismograms.
07	13 12 04.3	47.470 N	115.980 W	1 G	0.4	11	MONTANA. ML 2.9 (BUT). Felt at Wallace, Idaho.
07	13 17 05.0*	31.52 S	68.49 W	109 ?	1.1	7	SAN JUAN PROVINCE, ARGENTINA
07	13 20 41.6	44.357 N	6.769 E	10 G	0.8	6	FRANCE
07	13 37 25.8*	44.39 N	7.36 E	10 G	0.8	4	NORTHERN ITALY. ML 1.8 (GEN).
07	15 02 06.6	37.542 N	2.370 W	10 G	0.5	9	SPAIN. mbLg 2.9 (MDD).
07	15 52 43.3	32.937 S	69.121 W	5 G	1.3	19	MENDOZA PROVINCE, ARGENTINA. Felt (III) at Mendoza.
07	16 44 37.1*	43.874 N	12.163 E	10 G	0.7	5	CENTRAL ITALY
07	16 50 42.9	38.448 N	22.024 E	10 G	0.7	6	GREECE. ML 3.1 (ATH).
07	17 20 35.7	43.873 N	12.103 E	10 G	1.4	15	CENTRAL ITALY. MD 3.1 (FIR), 3.0 (TRI).
07	18 04 20.6*	19.531 N	64.359 W	28 *	3.8	1.3	11 VIRGIN ISLANDS. ML 4.7 (FDF).
07	18 40 48.7*	35.95 S	177.74 E	10 G	4.9	0.7	14 OFF E. COAST OF N. ISLAND, N.Z.
07	19 58 40.5*	39.711 N	27.801 E	10 G	0.7	8	TURKEY. MD 3.0 (ISK).
07	21 46 16.7	10.430 N	125.265 E	51 *	4.8 4.4	1.0	43 LEYTE, PHILIPPINE ISLANDS
07	23 44 46.1*	2.740 S	134.518 E	33 N	4.7 4.0	1.4	22 WEST IRIAN REGION
08	00 01 58.6*	18.859 N	66.755 W	81 *	3.8	1.2	9 PUERTO RICO REGION
08	01 37 06.5*	50.77 N	173.66 W	33 N	4.1	0.4	5 ANDREANOF ISLANDS, ALEUTIAN IS.
08	03 12 43.9	49.159 N	6.934 E	10 G	0.9	15	GERMANY. MD 2.8 (STR), 2.2 (UCC).
08	03 19 55.7	45.517 N	14.320 E	10 G	1.2	13	YUGOSLAVIA. MD 3.2 (LJU), 2.5 (TRI). ML 3.0 (KBA). Felt (IV) in the Jelsone area.
08	03 24 21.8*	62.889 N	151.310 W	115	0.3	64	CENTRAL ALASKA. <AEIC>.
08	03 29 26.6	44.332 N	7.304 E	10 G	0.3	13	NORTHERN ITALY. ML 2.2 (LDG), 1.7 (GEN), 1.4 (STR).
08	04 03 33.0*	40.60 N	29.30 E	10 G	0.3	4	TURKEY. MD 2.6 (ISK).
08	04 34 01.6*	6.339 N	72.251 W	10 G	1.2	5	NORTHERN COLOMBIA
08	05 20 59.0*	5.584 S	150.811 E	90 ?	4.0	0.7	8 NEW BRITAIN REGION
08	05 34 12.2*	58.078 N	153.366 W	44	3.0	40	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
08	07 49 06.6*	19.22 N	66.80 W	10 G	0.3	6	PUERTO RICO REGION
08	08 51 40.3*	22.043 S	68.322 E	10 G	5.1	1.1	37 MID-INDIAN RISE
08	08 52 35.2*	31.530 S	68.556 W	10 G	0.9	7	SAN JUAN PROVINCE, ARGENTINA
08	09 11 10.2*	39.05 N	27.61 E	54 G	1.0	4	TURKEY. MD 2.5 (ISK).
08	09 42 13.3*	16.602 S	66.884 E	10 G	5.1	1.0	29 MID-INDIAN RISE
08	10 44 15.9*	31.84 S	68.22 W	33 N	1.4	6	SAN JUAN PROVINCE, ARGENTINA
08	11 06 31.7	5.242 N	123.841 E	550	4.9	0.8	36 MINDANAO, PHILIPPINE ISLANDS
08	11 31 47.0*	6.334 S	133.357 E	33 N	4.2	1.0	10 AROE ISLANDS REGION
08	11 49 34.6	40.137 N	29.286 E	10 G	0.8	32	TURKEY. MD 3.9 (ISK), 3.5 (ATH). Felt in the Bursa area.
08	12 38 34.6	26.491 N	128.744 E	33 D	4.8 4.5	1.1	28 RYUKYU ISLANDS
08	12 53 12.4*	43.068 N	18.664 E	10 G	0.3	8	YUGOSLAVIA. ML 1.8 (TTG).
08	13 48 59.2*	40.652 N	27.616 E	10 G	0.9	6	TURKEY. MD 2.6 (ISK).
08	15 29 39.1*	6.35 S	146.27 E	117 ?	3.6	1.2	6 EAST PAPUA NEW GUINEA REGION
08	15 46 22.1	44.397 N	8.231 E	10 G	0.9	9	NORTHERN ITALY. ML 2.3 (LDG), 2.1 (GEN).
08	15 49 12.6	22.415 S	178.005 W	367 *	4.8	1.1	43 SOUTH OF FIJI ISLANDS
a 08	18 00 27.5	10.352 N	125.325 E	26 D	5.3 5.0	1.0	94 LEYTE, PHILIPPINE ISLANDS
08	18 21 11.0*	19.373 N	156.267 W	36	5.5 5.0	211	HAWAII. <HVO-P>. ML 5.2 (HVO). Ms 5.1 (BRK). Mo=1.6*10**17 Nm (PPT). Felt (V) at Hawii, Holuolaa and Papaaloo; (IV) at Hawii Volcanoes National Park, Honaunau, Hanomou, Kapaau, Laupahaehoe, Oaakala, Paaupuu, Pahala and Papaikau. Also felt (IV) at Hana, Kualapuu and Makowao on Maui. Felt on Hawii, Kauai, Maui, Molokai and Oahu.
08	18 41 25.6	26.546 N	128.647 E	33 D	4.8 4.9	1.0	44 RYUKYU ISLANDS
08	19 13 04.0*	63.316 N	149.945 W	110	0.3	74	CENTRAL ALASKA. <AEIC>.
a 08	19 53 21.6	13.875 S	74.458 W	107 G	5.6	1.1	208 PERU. Felt (III) at Chincha and Ica and (II) at Lima. Depth from broadband displacement seismograms.
08	20 51 38.5*	43.069 N	0.337 W	10 G	0.2	6	PYRENEES. MD 1.1 (STR).
08	21 43 48.7	37.465 N	77.714 E	33 N	4.2	1.0	16 SOUTHERN XINJIANG, CHINA

08	21	58	58.4%	39.056 N	21.758 E	10 G	0.4	7	GREECE. MD 2.7 (THE).
08	22	05	47.6%	61.634 N	146.387 W	31	41	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).	
08	22	37	50.0%	18.561 N	119.648 E	33 N 4.2	0.8	13	PHILIPPINE ISLANDS REGION
08	22	42	44.0%	39.854 N	30.529 E	10 G	1.1	7	TURKEY. MD 2.7 (ISK).
08	22	43	39.6%	38.100 N	119.333 W	8	15	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK).	
08	23	24	50.5%	26.453 N	128.609 E	32 D 4.8 5.0	1.3	46	RYUKYU ISLANDS
08	23	30	42.8%	43.08 N	0.54 W	10 G	0.1	4	PYRENEES. MD 1.0 (STR).
09	00	47	31.7%	19.360 N	156.359 W	44	44	HAWAII. <HVO-P>. ML 3.9 (HVO). Felt at Kono.	
09	01	11	31.5	39.145 N	25.353 E	6	0.9	31	AEGEAN SEA. ML 3.3 (ATH).
09	01	15	43.5%	70.867 N	1.560 E	10 G 3.4	1.1	7	NORWEGIAN SEA
09	01	15	58.4	24.040 N	123.289 E	22 D 4.5	1.3	28	SOUTHWESTERN RYUKYU ISLANDS
09	01	17	27.7	9.561 N	126.095 E	68 ? 4.8	1.1	38	MINDANAO, PHILIPPINE ISLANDS
09	01	17	38.0%	11.540 N	61.226 W	59 ? 3.3	1.1	10	WINDWARD ISLANDS. MD 3.6 (TRN).
09	03	04	15.5%	45.688 N	26.468 E	116 ?	1.3	11	ROMANIA
09	04	11	17.6%	37.02 N	29.42 E	10 G	1.0	4	TURKEY
09	05	26	10.7	56.039 N	161.542 E	33 N 4.7 4.1	0.8	46	NEAR EAST COAST OF KAMCHATKA
09	07	20	10.4%	39.171 N	27.548 E	10 G	0.5	5	TURKEY. MD 2.4 (ISK).
09	07	59	02.9%	3.05 S	137.70 E	33 N 4.6	0.5	6	WEST IRIAN
09	08	57	15.0	39.485 N	16.554 E	22 3.5	1.0	21	SOUTHERN ITALY
09	09	21	37.5%	39.11 N	27.70 E	10 G	0.1	4	TURKEY. MD 2.6 (ISK).
09	09	42	18.4%	39.123 N	27.580 E	10 G	0.3	5	TURKEY. MD 2.6 (ISK).
09	09	42	44.4%	31.698 S	67.763 W	33 N	0.7	6	SAN JUAN PROVINCE, ARGENTINA
09	09	47	08.6	39.459 N	16.501 E	24 3.7	1.1	25	SOUTHERN ITALY
09	11	09	12.0%	40.442 N	23.091 E	10 G	0.9	7	GREECE. MD 1.8 (THE).
09	11	54	03.2%	62.890 N	149.086 W	72	46	CENTRAL ALASKA. <AEIC>.	
09	12	42	09.9%	41.876 N	7.571 W	10 G	0.9	5	PORTUGAL. mbLg 2.7 (MDD).
09	13	31	57.0%	17.521 S	178.769 W	554 5.0	1.0	29	FIJI ISLANDS REGION
09	15	04	07.0%	37.868 N	122.003 W	3	9	CENTRAL CALIFORNIA. <BRK>. ML 2.4 (BRK). Ma=5.2*10**13 Nm (BRK). Felt at Alama and Walnut Creek.	
09	15	21	36.2%	45.04 N	28.81 E	10 G	1.4	6	SOUTHWESTERN USSR
09	15	26	25.2%	41.10 N	28.47 E	10 G	0.5	4	TURKEY. MD 2.7 (ISK).
09	16	45	16.8%	40.712 N	23.109 E	10 G	0.4	5	GREECE. MD 1.6 (THE).
09	17	00	40.2%	5.129 N	31.590 E	10 G 4.8	1.3	10	SUDAN
09	18	20	57.7%	64.494 N	151.407 W	67	22	CENTRAL ALASKA. <AEIC>.	
09	19	57	43.9%	46.049 N	149.833 E	33 N 4.4	1.1	15	KURIL ISLANDS
09	20	10	13.8	16.338 N	121.046 E	18 D 4.4 4.0	1.4	33	LUZON, PHILIPPINE ISLANDS
09	21	42	23.9%	23.81 S	179.43 W	551 ? 5.1	0.6	20	SOUTH OF FIJI ISLANDS
09	22	24	53.0%	37.023 N	29.481 E	10 G	1.0	5	TURKEY. MD 3.4 (ISK).
09	23	32	32.8%	15.356 N	61.083 W	129 ?	0.2	10	LEEWARD ISLANDS
10	00	13	36.9%	64.891 N	145.883 W	13	20	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 2.9 (PMR).	
10	01	12	38.4	17.352 S	25.016 E	10 G 5.0 3.9	1.1	67	ZAMBIA
10	01	13	24.1%	61.660 N	150.762 W	56	81	SOUTHERN ALASKA. <AEIC>. Felt (IV) at Skwentna.	
10	01	25	15.6	42.496 N	43.153 E	10 G 4.6 4.1	1.0	55	WESTERN CAUCASUS
10	02	05	55.4%	37.548 N	118.440 W	7	12	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.6 (BRK).	
10	04	50	13.3%	39.97 N	24.65 E	10 G	1.4	7	AEGEAN SEA
10	05	31	04.4%	10.04 N	124.16 E	84 ? 4.6	0.3	5	LEYTE, PHILIPPINE ISLANDS
10	07	29	03.9%	39.123 N	27.589 E	10 G	1.1	5	TURKEY. MD 2.6 (ISK).
10	08	13	20.8	49.164 N	6.857 E	10 G	0.8	8	GERMANY. MD 2.1 (STR).
10	08	47	10.4%	39.480 N	27.793 E	10 G	0.7	8	TURKEY
10	08	52	52.8%	39.119 N	27.625 E	10 G	0.7	6	TURKEY. MD 2.6 (ISK).
10	09	28	30.2%	33.06 S	70.08 W	161 ?	0.1	7	CHILE-ARGENTINA BORDER REGION
10	10	51	27.1	4.020 S	154.411 E	478 5.1	0.8	73	SOLOMON ISLANDS
10	12	14	37.4	42.580 N	23.984 E	10 G	0.3	7	BULGARIA. MD 2.6 (THE).
10	12	15	54.3	37.459 N	106.578 W	5 G	0.9	27	COLORADO. ML 3.4 (GS). Felt (III) at Chama and Pagosa Springs. Felt strangely at Summitville.
10	12	21	59.0%	37.450 N	106.600 W	5 G	4	COLORADO. <SPEC>. Held to mainshock location. ML 2.4 (GS). Felt at Summitville.	
10	12	39	30.7%	36.182 N	120.780 W	8	16	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).	
10	13	23	45.0%	37.450 N	106.600 W	5 G	3	COLORADO. <SPEC>. Held to mainshock location. ML 2.0 (GS). Felt at Summitville.	
10	13	26	09.6	22.953 S	175.649 W	88 * 5.3	1.2	65	TONGA ISLANDS REGION
10	13	33	52.3	16.114 S	174.147 W	115 G 5.8	1.1	228	TONGA ISLANDS. mb 5.4 (BRK). Ma=6.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
10	14	21	15.0%	37.450 N	106.600 W	5 G	20	COLORADO. <SPEC>. Held to mainshock location. ML 2.4 (GS). Felt at Summitville.	
10	16	22	56.4%	46.06 N	5.52 E	10 G	0.9	5	FRANCE. ML 2.4 (LDG).
10	16	26	46.8%	40.015 N	28.077 E	10 G	0.5	5	TURKEY. MD 2.8 (ISK).
10	16	36	15.8%	31.77 S	68.38 W	33 N	0.4	5	SAN JUAN PROVINCE, ARGENTINA
10	18	47	51.0%	42.225 N	13.212 E	10 G	0.8	10	CENTRAL ITALY
10	19	16	58.6%	63.259 N	151.276 W	11	39	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).	
10	20	05	37.0%	45.821 N	26.525 E	126 ?	1.0	8	ROMANIA
10	20	30	45.3	42.627 N	43.449 E	28 D 4.4 4.3	1.0	41	WESTERN CAUCASUS
10	20	31	35.3%	60.463 N	151.594 W	58 3.2	0.5	57	KENAI PENINSULA, ALASKA. <AEIC>.
10	20	44	59.3%	51.43 N	20.54 E	10 G	1.1	5	POLAND. ML 2.7 (KRA).
10	20	52	27.3	42.534 N	43.986 E	10 G 4.7 4.3	1.1	95	WESTERN CAUCASUS
10	21	16	16.8%	38.529 N	13.289 E	10 G	1.2	5	SICILY
10	22	07	51.0	18.387 S	69.100 W	139 4.9	1.1	40	NORTHERN CHILE. Felt (II) at Arequipa.
10	23	30	44.5%	37.00 S	98.93 W	10 G 5.1	0.6	10	SOUTHERN PACIFIC OCEAN
11	01	55	22.5	41.134 N	22.407 E	10 G	0.9	9	YUGOSLAVIA. ML 1.6 (THE), 1.5 (SKO).
11	02	15	24.0	24.249 N	93.705 E	63 D 4.9	0.9	159	BURMA-INDIA BORDER REGION. Felt at Aizawl, Shillong and in the Barak River Valley, India. Also felt at Dhaka, Bangladesh.
11	02	42	02.8%	41.31 N	28.89 E	10 G	0.3	4	TURKEY. MD 2.3 (ISK).
11	03	11	07.3	49.121 N	6.860 E	8	0.9	15	GERMANY. MD 2.6 (STR).
11	03	21	03.3	40.927 N	21.287 E	10 G	1.5	8	GREECE. ML 2.2 (THE).
11	03	45	28.2	19.543 S	175.672 W	231 D 5.1	1.3	58	TONGA ISLANDS
11	05	42	31.8%	40.106 N	27.675 E	10 G	0.4	5	TURKEY. MD 2.7 (ISK).
11	06	03	53.0	46.724 N	7.049 E	10 G	1.3	10	SWITZERLAND. ML 2.3 (LDG).
11	06	10	03.5%	5.67 S	146.37 E	134 ? 3.6	1.1	6	EAST PAPUA NEW GUINEA REGION
11	06	46	45.4%	47.512 N	5.972 E	10 G	1.0	9	FRANCE. ML 2.4 (LDG).
11	07	29	36.9%	59.755 N	152.936 W	104	38	SOUTHERN ALASKA. <AEIC>.	
11	08	00	42.8%	22.38 N	121.02 E	28 * 4.2	1.6	13	TAIWAN REGION
11	08	04	43.9	22.061 S	67.180 W	194 D 5.3	1.2	170	CHILE-BOLIVIA BORDER REGION. mb 5.4 (BRK).

11	08	18	15.7%	39.135	N	27.567	E	10	G	0.7	5	TURKEY. MD 2.6 (ISK).	
11	09	49	22.4%	39.100	N	27.539	E	10	G	0.3	5	TURKEY. MD 2.7 (ISK).	
11	09	57	08.8%	39.67	N	29.47	E	10	G	0.6	5	TURKEY. MD 2.7 (ISK).	
11	10	41	26.4	39.953	N	21.949	E	10	G	0.8	10	GREECE. ML 2.2 (THE).	
11	11	06	57.4*	2.031	N	126.615	E	74	?	5.0	1.5	20 MOLUCCA PASSAGE	
11	11	36	20.5%	22.57	S	175.60	W	169	?	4.3	1.2	15 TONGA ISLANDS REGION	
11	11	46	22.3%	43.00	N	13.96	E	10	G	0.5	5	CENTRAL ITALY	
11	12	02	59.6%	39.157	N	27.649	E	10	G	0.6	6	TURKEY. MD 2.6 (ISK).	
11	12	18	18.4	10.439	N	125.293	E	20	D	4.5	4.4	1.1 28 LEYTE, PHILIPPINE ISLANDS	
11	12	41	47.7%	40.000	N	28.110	E	10	G	0.8	5	TURKEY. MD 2.5 (ISK).	
11	12	55	33.7*	10.489	N	125.490	E	22	D	4.6	4.2	1.3 27 LEYTE, PHILIPPINE ISLANDS	
11	13	03	57.2%	39.67	N	27.76	E	10	G	1.6	5	TURKEY. MD 2.7 (ISK).	
11	14	06	24.0%	47.158	N	2.909	W	10	G	0.4	12	FRANCE. ML 3.2 (LDG).	
11	14	09	53.5	5.639	S	102.625	E	43	D	5.0	4.6	1.0 42 SOUTHERN SUMATERA	
11	14	18	45.8	20.603	S	69.905	W	33	N	4.4	0.6	10 NORTHERN CHILE	
11	14	25	46.8%	41.14	N	28.48	E	10	G	1.2	4	TURKEY. MD 2.4 (ISK).	
o	11	15	26	29.7	12.413	N	47.516	E	17	D	5.2	4.8	1.1 174 EASTERN GULF OF ADEN
11	15	38	11.1*	15.636	N	60.244	W	33	N	0.9	13	LEEWARD ISLANDS. MD 3.4 (TRN). ML 3.4 (FDF).	
11	15	38	27.4*	13.315	S	168.780	E	23	D	4.7	4.9	1.4 28 VANUATU ISLANDS	
11	16	44	36.1%	52.20	N	159.08	E	33	N	4.5	0.9	9 OFF EAST COAST OF KAMCHATKA	
11	16	49	50.1	0.930	N	100.329	E	221	D	4.9	0.9	121 NORTHERN SUMATERA	
11	17	26	26.7*	22.072	N	121.082	E	10	G	4.0	0.8	11 TAIWAN REGION	
11	17	34	08.3	26.456	N	96.237	E	107	*	4.9	1.3	24 BURMA	
11	17	58	14.3*	0.007	N	77.369	W	68	*	4.0	1.7	14 COLOMBIA-ECUADOR BORDER REGION. MD 4.4 (QUI).	
11	18	21	01.3	44.374	N	7.322	E	11			0.5	39 NORTHERN ITALY. ML 3.1 (GEN), 2.9 (LDG).	
11	18	35	19.1%	43.29	N	44.54	E	10	G	3.8	1.6	6 WESTERN CAUCASUS	
11	19	06	28.2*	41.360	N	14.648	E	10	G	0.5	5	SOUTHERN ITALY	
11	19	59	00.0	9.958	S	119.890	E	33	N	5.3	4.4	1.3 123 SUMBA ISLAND REGION	
11	20	23	54.7%	37.539	N	2.330	W	10	G	0.5	12	SPAIN. mbLg 3.3 (MDD).	
11	20	39	15.0	39.444	N	16.604	E	10	G	1.2	24	SOUTHERN ITALY. MD 3.2 (ATH). ML 3.2 (THE).	
11	21	04	04.1%	38.83	N	25.62	E	10	G	0.3	5	AEGEAN SEA. MD 3.2 (ISK).	
11	22	12	17.5	10.427	N	125.321	E	33	N	4.7	4.1	1.0 33 LEYTE, PHILIPPINE ISLANDS	
11	23	28	36.9	39.285	N	27.614	E	10	G	1.3	13	TURKEY. MD 3.1 (ISK).	
12	00	03	48.7	39.316	N	27.673	E	10	G	0.8	9	TURKEY. MD 3.0 (ISK).	
12	01	36	39.0%	35.70	S	71.39	W	33	N	0.8	8	CENTRAL CHILE	
12	01	47	12.3	40.964	N	22.351	E	10	G	0.3	9	GREECE. ML 2.3 (SKO), 2.0 (THE).	
12	02	03	16.7*	43.100	N	127.035	W	10	G	3.1	0.3	26 OFF COAST OF OREGON	
12	03	01	17.9	43.500	N	0.566	W	10	G	1.1	27	PYRENEES. ML 3.2 (LDG). mbLg 3.0 (MDD). Felt (IV) at Pardies, France. Also felt in the Lagor-Lacq area, France.	
12	03	40	06.6*	38.125	N	27.408	E	10	G	1.1	7	TURKEY. MD 3.1 (ISK).	
12	05	02	42.4%	60.531	N	144.774	W	12			46	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).	
12	05	08	42.1	35.959	N	30.033	E	33	N	1.0	9	EASTERN MEDITERRANEAN SEA	
12	05	56	40.7%	16.82	N	46.47	W	10	G	4.4	1.6	6 NORTH ATLANTIC RIDGE	
12	06	43	49.8	3.592	S	139.257	E	35	D	5.2	1.4	100 WEST IRIAN	
12	07	45	19.6*	25.503	N	128.621	E	33	N	4.4	1.4	19 RYUKYU ISLANDS	
12	08	34	04.9%	62.920	N	150.868	W	111		3.5	80	CENTRAL ALASKA. <AEIC>.	
12	08	57	09.9*	7.193	N	77.995	W	33	N	4.4	1.5	21 PANAMA-COLOMBIA BORDER REGION	
12	09	04	12.5%	39.17	N	27.61	E	10	G	0.6	4	TURKEY. MD 2.7 (ISK).	
12	09	13	24.9%	39.10	N	27.69	E	10	G	0.3	4	TURKEY. MD 2.7 (ISK).	
12	09	17	37.0%	37.086	N	4.940	W	10	G	0.4	6	SPAIN. mbLg 2.5 (MDD).	
12	09	27	00.6	33.153	S	71.666	W	14		0.7	12	NEAR COAST OF CENTRAL CHILE	
12	09	40	52.0	40.409	N	23.729	E	5	G	1.0	13	GREECE. ML 1.9 (THE).	
12	09	41	55.6%	37.141	N	4.967	W	10	G	0.5	7	SPAIN. mbLg 2.5 (MDD).	
12	09	49	20.1*	33.166	S	71.628	W	10	G	1.2	9	NEAR COAST OF CENTRAL CHILE	
12	09	49	50.3%	40.405	N	23.717	E	5	G	0.2	5	GREECE. ML 1.9 (THE).	
12	09	53	04.3%	43.56	N	10.98	E	10	G	0.3	5	CENTRAL ITALY. MD 2.5 (ROM).	
12	09	54	20.2%	40.390	N	23.728	E	10	G	0.9	7	GREECE. ML 1.9 (THE).	
12	10	30	43.7*	27.158	N	140.210	E	378	?	4.4	1.1	25 BONIN ISLANDS REGION	
12	11	51	03.9*	72.666	N	6.379	E	10	G	3.0	0.8	7 NORWEGIAN SEA. MD 3.0 (BER).	
12	11	54	00.0	6.749	S	130.656	E	56	D	5.0	0.9	36 BANDA SEA	
12	12	00	57.9%	60.075	N	142.607	W	14			24	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).	
12	12	22	31.5%	37.180	N	121.597	W	3			12	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).	
o	12	12	27	55.3	21.718	S	174.034	W	34	D	5.6	5.3	1.1 131 TONGA ISLANDS. Ms 5.5 (BRK). Ma=3.0+10+17 Nm (PPT).
12	13	02	15.9%	41.136	N	28.468	E	10	G	0.9	5	TURKEY. MD 2.6 (ISK).	
12	13	16	13.7%	25.49	N	98.26	E	33	N	3.9	0.5	8 BURMA-CHINA BORDER REGION	
12	13	34	24.4	55.720	N	164.550	E	35	D	4.9	4.8	0.8 92 KOMANDORSKY ISLANDS REGION	
12	13	38	15.7%	43.035	N	18.679	E	10	G	0.4	7	YUGOSLAVIA. ML 1.7 (TTG).	
12	13	46	27.1%	39.120	N	27.595	E	10	G	0.6	6	TURKEY. MD 2.7 (ISK).	
12	14	09	19.6	39.268	N	27.682	E	10	G	0.7	9	TURKEY. MD 3.0 (ISK).	
o	12	16	12	37.1	12.279	N	47.487	E	10	G	5.3	4.8	1.2 187 EASTERN GULF OF ADEN
12	16	17	56.2	51.632	N	105.430	E	33	N	4.8	1.2	53 LAKE BAIKAL REGION. Felt (IV) at Babushkin, Baykal-Kudar, Bolshaya Rechka, Irkutsk, Kabansk, Kamenka, Oymur, Pasalsk, Shergina, Ulan-Ude and Vydrina, (III) at Zakamensk and (II) at Chita.	
12	16	21	41.0%	40.339	N	28.511	E	10	G	1.0	6	TURKEY. MD 2.4 (ISK).	
12	16	27	38.2*	19.921	S	67.892	E	10	G	4.9	1.1	14 MID-INDIAN RISE	
12	19	40	25.9	40.472	N	23.477	E	5	G	1.0	12	GREECE. ML 2.0 (THE).	
12	19	43	51.4%	40.479	N	23.505	E	5	G	0.4	8	GREECE. ML 2.0 (THE).	
12	19	53	50.7%	16.41	S	173.46	W	47	D	4.3	0.9	14 TONGA ISLANDS	
12	20	05	22.2%	40.484	N	23.529	E	5	G	0.4	8	GREECE. ML 2.0 (THE).	
12	20	14	42.6*	37.648	N	20.442	E	10	G	3.6	1.2	12 IONIAN SEA. MD 3.4 (ATH).	
12	22	39	47.2	41.034	N	22.404	E	10	G	1.5	17	YUGOSLAVIA. ML 2.5 (SKO), 2.2 (THE).	
13	00	03	24.4%	67.266	N	153.524	W	0			18	ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).	
13	00	23	30.7%	36.544	N	13.145	E	10	G	1.3	5	MEDITERRANEAN SEA	
13	01	54	37.9	41.110	N	22.424	E	10	G	0.8	11	YUGOSLAVIA. ML 2.1 (SKO), 1.9 (THE).	
13	02	23	55.6%	60.124	N	152.933	W	120		3.0	37	SOUTHERN ALASKA. <AEIC>.	
13	02	49	58.7	38.526	N	22.443	E	10	G	0.5	12	GREECE. ML 3.2 (ATH), 2.7 (THE).	
13	03	15	15.4%	61.984	N	124.259	W	10	G	4.5	18	NORTHWEST TERRITORIES, CANADA. <PGC>. ML 4.4 (PGC).	
13	03	24	20.2	40.959	N	142.042	E	71		4.7	1.0	51 NEAR EAST COAST OF HONSHU, JAPAN	
13	03	30	57.0	32.179	S	71.392	W	79		4.5	1.0	28 NEAR COAST OF CENTRAL CHILE. Felt (IV) at Papudo and Valparaiso and (III) at Quillata.	
13	03	30	57.4	32.223	S	71.392	W	84		4.6	1.1	36 NEAR COAST OF CENTRAL CHILE. Felt (IV) at Papudo and	

o	13	03	41	15.7	1.443	N	123.496	E	32 *	5.1	4.6	1.1	62	Volpafaisa and (111) at Quillato.
	13	04	06	34.3	38.742	N	27.845	E	10 G			1.4	11	MINAHASSA PENINSULA
	13	04	23	06.1	4.884	S	101.873	E	33 N	5.2	5.2	0.9	35	TURKEY. MD 3.3 (ISK).
	13	05	55	02.1	51.518	N	16.380	E	10 G	3.7		1.3	12	SOUTHERN SUMATERA
	13	06	27	55.3	40.890	N	20.808	E	10 G			1.2	9	POLAND. ML 3.6 (VKA), 3.5 (GRF).
	13	07	16	08.4&	37.422	N	121.783	W	3				12	GREECE-ALBANIA BORDER REGION. ML 2.4 (THE), 2.1 (SKO).
	13	08	27	33.7	40.447	N	21.710	E	10 G			1.5	10	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	13	08	32	43.8?	36.30	N	71.58	E	74 ?	4.1		1.2	10	GREECE. ML 1.7 (THE).
	13	08	34	00.5?	32.99	S	72.09	W	23			0.4	10	AFGHANISTAN-USSR BORDER REGION
	13	09	07	03.0?	39.17	N	27.59	E	10 G			0.2	4	OFF COAST OF CENTRAL CHILE
	13	09	28	36.5%	44.385	N	7.346	E	10 G			0.2	6	TURKEY. MD 2.7 (ISK).
	13	09	49	10.1	37.519	N	22.118	E	50 *	3.7		1.0	29	NORTHERN ITALY. ML 1.7 (GEN).
	13	10	10	41.2	44.870	N	7.631	E	15			0.7	17	SOUTHERN GREECE. MD 3.7 (ATH).
	13	10	31	00.6%	41.080	N	28.702	E	10 G			0.5	7	NORTHERN ITALY. ML 2.4 (GEN), 2.4 (LDG).
	13	10	46	22.2	44.270	N	9.958	E	10 G			0.9	48	TURKEY. MD 2.8 (ISK).
	13	10	50	02.6*	29.263	S	70.408	W	138 ?			1.4	15	NORTHERN ITALY. ML 3.2 (LDG). MD 2.7 (STR).
	13	11	06	14.6&	60.011	N	153.515	W	155				66	CENTRAL CHILE
	13	11	11	16.3&	64.560	N	150.110	W	23				46	SOUTHERN ALASKA. <AEIC>.
	13	12	39	06.7	38.079	N	20.959	E	7			1.0	12	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.1 (PMR).
	13	13	44	33.3%	33.437	S	70.578	W	76 ?			1.6	9	GREECE. ML 3.2 (THE). MD 3.2 (ATH).
	13	14	13	05.8*	44.533	N	111.312	W	5 G			0.6	8	CHILE-ARGENTINA BORDER REGION
	13	14	22	32.6?	23.76	N	124.09	E	33 N	3.5		0.4	5	HEBGEN LAKE REGION. ML 3.4 (BUT).
	13	15	35	32.4&	61.755	N	149.723	W	40				57	SOUTHWESTERN RYUKYU ISLANDS
o	13	16	28	15.4	3.463	S	82.824	E	22 G	5.9	5.4	1.0	413	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
	13	16	33	56.7	38.765	N	27.958	E	10 G			0.6	7	SOUTH INDIAN OCEAN. Depth from broadband displacement seismograms.
	13	17	29	27.4	44.283	N	9.907	E	10 G			0.9	15	TURKEY. MD 2.7 (ISK).
	13	17	42	24.0	6.010	S	76.895	W	45 *	4.8		1.0	31	NORTHERN ITALY. ML 2.6 (LDG).
	13	17	53	19.6*	15.343	S	70.822	W	186 *	4.4		1.7	16	NORTHERN PERU
	13	18	06	31.1%	40.695	N	29.814	E	10 G			0.3	5	SOUTHERN PERU
	13	19	00	43.5	41.969	N	142.505	E	73 D	4.9		1.1	70	TURKEY. MD 2.9 (ISK).
	13	19	20	51.0?	20.40	S	68.98	W	116 ?	3.8		0.7	8	HOKKAIDO, JAPAN REGION
	13	19	58	10.5*	1.103	S	78.362	W	33 N	3.7		0.8	7	CHILE-BOLIVIA BORDER REGION
	13	21	15	31.9&	59.810	N	153.956	W	150	2.9			66	ECUADOR
	13	21	29	56.9%	40.719	N	23.062	E						

15	01	05	41.6&	55.276 N	159.799 W	60				3	ALASKA PENINSULA. <PAL>. MD 3.1 (PAL).
15	01	12	58.8*	31.514 S	68.605 W	90 G			1.2	7	SAN JUAN PROVINCE, ARGENTINA
15	02	29	43.5%	31.369 S	68.597 W	112 ?			1.1	7	SAN JUAN PROVINCE, ARGENTINA
15	02	47	04.7?	31.22 S	68.60 W	90 G			0.3	5	SAN JUAN PROVINCE, ARGENTINA
15	05	13	05.5*	33.156 S	71.729 W	10 G			1.5	11	NEAR COAST OF CENTRAL CHILE
15	05	18	50.9*	32.978 S	72.169 W	33 N			1.4	14	OFF COAST OF CENTRAL CHILE
15	05	48	15.1*	33.057 S	72.262 W	33 N			1.4	15	OFF COAST OF CENTRAL CHILE
15	05	56	12.2%	40.418 N	23.874 E	5 G			0.9	5	GREECE. ML 1.7 (THE).
15	06	06	59.0?	33.13 S	72.22 W	6			1.6	12	OFF COAST OF CENTRAL CHILE
15	06	07	44.1%	40.384 N	23.689 E	5 G			0.8	8	GREECE. ML 2.2 (THE).
15	06	35	33.9&	61.840 N	150.045 W	40				46	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
15	07	07	59.0?	20.05 N	76.50 W	33 N	3.7		0.6	4	CUBA REGION. MD 3.4 (HOJ).
15	07	58	59.0?	20.10 N	76.38 W	33 N	3.3		1.7	4	CUBA REGION
15	08	00	51.8*	44.045 N	16.535 E	10 G			1.4	9	YUGOSLAVIA. MD 2.9 (TRI). ML 2.6 (LJU).
15	08	09	08.7*	31.348 S	68.543 W	108 *			0.8	8	SAN JUAN PROVINCE, ARGENTINA
15	08	12	47.4%	39.378 N	141.919 E	125 *			0.7	14	HONSHU, JAPAN
15	08	36	53.2&	62.145 N	149.572 W	58	2.8			76	CENTRAL ALASKA. <AEIC>. Felt (III) at Skwentna.
15	09	06	52.4?	23.19 S	114.32 E	10 G	4.1		1.5	7	WESTERN AUSTRALIA
15	10	36	45.3*	29.804 S	70.849 W	117 ?			1.3	12	CENTRAL CHILE
15	10	46	43.5	31.847 S	70.085 W	131 *	4.5		1.0	18	CHILE-ARGENTINA BORDER REGION
15	11	40	31.8?	42.81 N	128.26 W	10 G			0.4	40	OFF COAST OF OREGON
15	11	47	19.1%	38.318 N	25.066 E	10 G			1.5	7	AEGEAN SEA. ML 3.2 (ATH).
15	12	09	57.1	40.859 N	21.764 E	10 G			1.5	6	GREECE. ML 2.1 (THE), 1.5 (SKO).
15	12	50	06.8?	32.98 S	72.30 W	10 G			0.5	8	OFF COAST OF CENTRAL CHILE
15	13	34	38.5?	40.94 N	29.40 E	5 G			0.5	5	TURKEY. MD 2.4 (ISK).
15	14	07	55.3&	58.184 N	142.730 W	10 G				27	GULF OF ALASKA. <AEIC>. ML 2.7 (AEIC).
15	14	28	50.1	42.565 N	43.349 E	14 D	4.9		1.2	151	WESTERN CAUCASUS. A mudslide destroyed all 45 houses in the Khokheti area, causing casualties. Felt (V) in the Dzhava area.
15	14	34	25.0	9.353 N	82.176 W	33 D	5.2 4.5		0.9	114	PANAMA-COSTA RICA BORDER REGION. MD 5.2 (UPA), 4.9 (SJR). Felt (V) at Boquete, Changuinola and Chiriqui Grande; (III) at David, Panama. Also felt in the Limon area, Costa Rica.
15	14	49	17.0*	61.123 N	166.957 E	33 N	4.3		1.4	19	EASTERN SIBERIA
15	14	50	48.5%	37.774 N	14.926 E	10 G			0.9	7	SICILY
15	15	23	42.4%	40.824 N	29.537 E	10 G			1.3	5	TURKEY. MD 2.5 (ISK).
15	15	52	51.8?	46.94 S	33.12 E	10 G	4.3		1.3	8	PRINCE EDWARD ISLANDS REGION
15	16	02	43.4	13.644 N	91.518 W	33 N	4.5		1.3	54	NEAR COAST OF GUATEMALA
15	16	41	18.0&	58.386 N	155.101 W	0				18	ALASKA PENINSULA. <AEIC>. ML 2.6 (AEIC).
15	17	19	19.9%	37.708 N	14.932 E	10 G			1.1	7	SICILY
15	17	27	56.2%	37.706 N	14.985 E	10 G			0.1	5	SICILY
15	18	32	47.5*	36.055 N	30.429 E	33 N			1.4	12	TURKEY
15	18	40	32.9%	40.011 N	23.694 E	10 G			0.9	7	GREECE
15	18	42	07.6?	37.68 N	14.93 E	10 G			0.3	4	SICILY
15	20	24	59.9%	40.989 N	22.511 E	10 G			0.6	5	GREECE. ML 1.2 (THE).
15	20	25	13.0%	40.492 N	23.454 E	10 G			0.2	5	GREECE. ML 1.6 (THE).
15	21	53	15.7?	46.85 N	0.95 W	5 G			0.6	6	FRANCE. ML 2.0 (LDG).
15	22	14	33.9?	45.16 N	6.54 E	10 G			0.3	5	FRANCE. ML 2.0 (GEN).
15	22	37	26.0%	42.023 N	12.858 E	10 G			0.6	5	CENTRAL ITALY
15	22	41	45.0?	44.45 N	7.35 E	5 G			0.1	4	NORTHERN ITALY. ML 1.6 (GEN).
15	23	31	56.3%	45.634 N	7.577 E	10 G			0.4	6	NORTHERN ITALY. ML 2.3 (GEN).
15	23	49	50.1%	40.578 N	24.041 E	5 G			0.5	9	AEGEAN SEA. ML 2.3 (THE).
16	01	11	53.7%	37.992 N	14.659 E	10 G			1.0	6	SICILY
16	01	23	36.0	49.114 N	6.934 E	10 G			1.2	11	GERMANY. MD 2.1 (STR).
16	01	42	28.4%	39.972 N	22.607 E	5 G			0.5	8	GREECE. ML 1.7 (THE).
16	01	48	18.5?	42.89 N	18.66 E	10 G			0.3	4	YUGOSLAVIA. ML 1.6 (TTG).
16	01	53	51.6%	40.247 N	29.498 E	10 G			0.7	8	TURKEY. MD 2.7 (ISK).
16	02	02	45.6?	25.51 S	116.37 E	10 G	3.5		1.7	7	WESTERN AUSTRALIA
16	02	06	16.7	52.309 N	7.649 E	10 G			1.0	74	GERMANY. MD 4.7 (STR), 4.3 (UCC). ML 4.4 (BNS), 4.3 (LDG), 4.2 (GRF). Slight damage in the Ibbenburen area.
16	02	39	49.3&	46.763 N	121.896 W	11				81	WASHINGTON. <SEA>. MD 3.0 (SEA). Felt at Mt. Rainier National Park.
16	04	38	13.1%	43.052 N	12.839 E	10 G			1.0	6	CENTRAL ITALY
16	04	50	36.8*	23.134 N	116.844 E	10 G	3.9		1.6	6	NEAR SOUTHEASTERN COAST OF CHINA. ML 3.8 (BJI).
16	04	51	24.9	41.162 N	24.515 E	5 G			1.1	19	GREECE-BULGARIA BORDER REGION. ML 3.0 (THE).
16	07	36	15.6	40.419 N	23.889 E	10 G			0.8	23	GREECE. ML 3.0 (THE).
16	07	37	23.8	40.398 N	23.577 E	5 G			1.2	11	GREECE. ML 2.8 (THE).
16	07	47	37.3	29.026 N	130.307 E	30 D	4.8 4.1		1.2	29	RYUKYU ISLANDS
16	09	42	38.5%	40.823 N	29.652 E	10 G			1.5	5	TURKEY. MD 2.6 (ISK).
16	09	48	34.0&	61.659 N	151.005 W	64				49	SOUTHERN ALASKA. <AEIC>.
16	09	50	55.7%	40.504 N	29.887 E	10 G			0.5	5	TURKEY. MD 2.6 (ISK).
16	10	44	54.5	49.137 N	6.890 E	10 G			0.9	13	GERMANY. MD 2.9 (STR), 2.8 (UCC).
16	10	48	15.0%	39.160 N	27.595 E	10 G			0.6	5	TURKEY. MD 2.7 (ISK).
16	13	10	51.3%	39.108 N	27.657 E	10 G			0.2	5	TURKEY. MD 2.6 (ISK).
16	13	36	32.3	41.339 N	14.697 E	10 G			1.2	35	SOUTHERN ITALY. ML 3.7 (THE).
16	15	21	04.4	38.193 N	20.669 E	16	3.8		1.4	30	GREECE. ML 3.8 (THE), 3.7 (ATH).
16	15	43	29.7&	31.920 N	115.410 W	6 G				7	BAJA CALIFORNIA. <PAS-P>. ML 3.5 (PAS).
16	15	44	42.8?	31.30 N	7.58 W	33 N			0.5	5	MOROCCO. MD 3.8 (RBA).
16	17	58	24.3	26.294 N	125.916 E	25 D	4.9		1.3	32	NORTHEAST OF TAIWAN
16	18	27	15.7	36.730 N	31.180 E	128 *			1.0	19	TURKEY. MD 4.1 (HLW).
16	18	54	31.9*	33.679 S	71.697 W	21 *			0.8	10	NEAR COAST OF CENTRAL CHILE
16	20	02	47.2&	63.127 N	150.476 W	112				40	CENTRAL ALASKA. <AEIC>.
16	20	21	31.2*	5.670 S	148.525 E	119 *	5.0		1.4	20	NEW BRITAIN REGION
16	20	31	05.2	17.038 N	102.310 W	33 N	4.6		0.8	35	NEAR COAST OF MICHIOACAN, MEXICO
16	23	51	52.4?	38.66 N	26.08 E	10 G			0.7	4	AEGEAN SEA. MD 3.4 (ISK).
17	01	50	28.7*	41.163 N	20.506 E	10 G			1.1	6	ALBANIA. ML 2.7 (SKO).
17	02	26	16.2?	41.08 N	20.69 E	10 G			1.3	8	ALBANIA. ML 2.3 (SKO), 1.9 (THE).
o 17	02	31	25.7	4.390 S	142.715 E	59 D	5.8		1.2	255	PAPUA NEW GUINEA. Ms 6.0 (BRK). Mo=4.0*10**18 Nm (PPT).
17	04	23	50.9?	25.26 N	121.58 E	47 *	4.2		1.3	7	TAIWAN
17	05	32	38.7%	59.810 N	6.372 E	5 G			0.5	6	SOUTHERN NORWAY. MD 2.0 (BER).
17	06	16	23.4*	47.193 N	14.453 E	10 G			1.4	5	AUSTRIA. ML 2.7 (VKA). MD 2.5 (LJU).
o 17	06	37	47.0	9.941 S	119.780 E	21 D	5.2 4.6		1.1	103	SUMBA ISLAND REGION
17	06	56	59.3%	41.620 N	6.975 W	10 G			1.0	5	PORTUGAL. mLg 3.2 (MDD).

17	07	34	15.7	47.451 N	115.788 W	1 G	0.5	8	MONTANA. MD 2.7 (BUT). Felt at Mullan, Idaho.
17	08	05	18.9*	2.177 S	79.833 W	91 ? 4.1	1.3	14	NEAR COAST OF ECUADOR. MD 4.4 (QUI).
17	08	42	17.0*	45.316 N	16.114 E	12	1.2	9	YUGOSLAVIA. MD 2.8 (TRI), 2.6 (LJU).
17	08	55	31.3&	63.014 N	150.535 W	97		43	CENTRAL ALASKA. <AEIC>.
17	09	08	52.1	10.409 N	125.299 E	52 * 4.8 4.3	1.2	43	LEYTE, PHILIPPINE ISLANDS
17	09	50	20.7*	45.686 N	26.441 E	120 G	0.8	7	ROMANIA
17	09	51	59.8?	39.19 N	27.62 E	10 G	0.9	4	TURKEY
17	10	28	15.6*	31.278 S	68.508 W	107 *	0.8	8	SAN JUAN PROVINCE, ARGENTINA
17	10	54	26.7?	41.37 S	42.21 E	10 G 4.2	1.1	7	PRINCE EDWARD ISLANDS REGION
17	10	56	21.9*	11.819 N	87.344 W	84 D 4.4	1.3	32	NEAR COAST OF NICARAGUA
17	11	22	51.9	43.872 N	7.538 E	10 G	1.1	13	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG), 2.2 (GEN).
17	11	23	02.4*	39.194 N	114.960 W	5 G	0.1	7	NEVADA. ML 3.2 (GS). Felt (IV) at Ely. Felt (III) at East Ely and McGill.
17	11	31	20.7*	37.742 N	14.968 E	10 G	0.5	6	SICILY
17	12	34	59.7*	37.074 N	29.432 E	10 G	0.8	5	TURKEY
17	14	07	16.5	45.859 N	7.162 E	10 G	0.3	10	NORTHERN ITALY. ML 2.6 (LDG), 2.6 (GEN).
17	14	25	50.0	36.573 S	70.591 W	142 D 5.2	0.9	61	CHILE-ARGENTINA BORDER REGION
17	14	30	21.3?	44.47 N	7.26 E	10 G	0.1	4	NORTHERN ITALY. ML 2.1 (GEN).
17	15	03	17.1	49.130 N	6.898 E	10 G	0.8	13	GERMANY. MD 2.6 (STR), 2.2 (UCC).
17	17	04	31.6?	35.26 N	74.29 E	33 N 3.8	1.5	10	NORTHWESTERN KASHMIR
17	17	23	20.9	36.197 N	68.732 E	33 N 4.5	1.2	48	HINDU KUSH REGION
17	18	06	04.9?	31.23 S	68.54 W	90 G	0.4	5	SAN JUAN PROVINCE, ARGENTINA
17	18	08	47.0&	45.500 N	74.400 W	18 G 4.4		4	SOUTHERN ONTARIO. <OTT-P>. mbLg 3.2 (OTT). Felt at Hawkebury, Ontario. Also felt at Brownsburg and Lachute, Quebec.
17	21	14	05.8?	24.93 N	123.77 E	33 N 3.9	1.6	6	SOUTHWESTERN RYUKYU ISLANDS
17	21	16	35.3*	80.610 N	2.279 W	10 G 4.2	1.4	10	NORTH OF SVALBARD
17	21	29	11.9&	60.566 N	147.837 W	14		22	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
17	21	34	04.7?	40.33 N	19.48 E	10 G	0.2	4	ALBANIA
17	21	34	34.8	13.583 N	144.566 E	106 D 5.0	1.1	76	MARIANA ISLANDS
17	22	03	22.5?	43.33 N	147.06 E	179 ? 3.8	0.2	6	KURIL ISLANDS
a 17	22	48	58.1	55.301 S	1.684 W	10 G 5.2 4.7	1.2	29	BOUVET ISLAND REGION
17	22	56	34.9&	37.060 N	121.485 W	2		10	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
17	23	02	00.9	10.151 S	119.896 E	33 N 4.6	1.4	18	SUMBA ISLAND REGION
18	00	22	08.6*	37.034 N	29.396 E	10 G	0.8	5	TURKEY
18	00	43	10.1*	3.526 S	151.350 E	33 N 4.4 4.3	1.5	12	NEW IRELAND REGION
18	01	02	02.2	34.812 N	139.761 E	117 D 4.8	1.1	78	NEAR S. COAST OF HONSHU, JAPAN
18	01	44	59.5	40.808 N	20.826 E	10 G	0.9	23	GREECE-ALBANIA BORDER REGION. ML 3.5 (TTG), 3.3 (THE).
18	02	06	10.0	40.877 N	20.890 E	10 G	0.7	12	GREECE-ALBANIA BORDER REGION. ML 2.5 (SKO), 2.4 (THE).
18	02	32	24.3	43.672 N	10.960 E	17		45	CENTRAL ITALY. ML 3.3 (LDG), MD 3.0 (ROM).
18	02	55	29.8*	39.841 N	28.954 E	10 G	1.2	5	TURKEY. MD 2.6 (ISK).
18	03	11	03.5*	43.627 N	11.009 E	10 G	0.9	6	CENTRAL ITALY. MD 2.3 (ROM).
18	03	19	56.6*	38.811 N	22.574 E	5 G	0.6	9	GREECE. ML 2.8 (THE).
18	03	21	23.3?	43.69 N	10.96 E	10 G	0.9	4	CENTRAL ITALY
18	03	26	51.9*	44.445 N	7.322 E	5 G	0.0	5	NORTHERN ITALY. ML 1.4 (GEN).
18	03	29	50.6*	43.703 N	10.977 E	10 G	0.8	15	CENTRAL ITALY
18	03	31	02.5*	43.632 N	10.977 E	10 G	0.4	6	CENTRAL ITALY
18	03	35	11.8?	43.59 N	10.99 E	10 G	0.5	4	CENTRAL ITALY. MD 2.3 (ROM).
18	03	43	26.7	18.080 N	146.622 E	77 * 4.9	1.0	46	MARIANA ISLANDS
18	04	10	50.6*	41.974 N	19.171 E	10 G	0.7	6	ALBANIA. ML 2.0 (TTG).
18	04	17	54.2*	24.474 N	122.689 E	33 N 3.8	0.5	6	TAIWAN REGION
18	04	52	19.0	31.654 N	80.092 E	24 * 4.6	1.3	43	TIBET. ML 4.7 (NDI).
18	05	17	46.1	40.848 N	20.820 E	10 G	0.8	10	GREECE-ALBANIA BORDER REGION. ML 2.3 (SKO).
18	05	45	11.0	40.538 N	24.331 E	10 G	1.1	19	AEGEAN SEA
18	06	02	30.1*	40.812 N	20.686 E	10 G	1.2	8	GREECE-ALBANIA BORDER REGION. ML 2.4 (THE), 2.3 (SKO).
18	06	11	30.7*	39.345 N	21.776 E	10 G	1.1	8	GREECE. ML 2.0 (THE).
18	06	26	29.3?	10.06 N	124.30 E	100 ? 4.4	1.2	7	LEYTE, PHILIPPINE ISLANDS
18	06	48	11.8?	31.78 S	68.71 W	118 ?	0.7	6	SAN JUAN PROVINCE, ARGENTINA
a 18	06	57	27.0	39.972 S	74.786 W	21 D 5.3 4.5	1.3	102	OFF COAST OF CENTRAL CHILE
18	06	59	22.1	31.675 N	80.092 E	43 * 4.5	1.0	26	TIBET. MD 4.2 (NDI).
18	07	25	34.9?	39.16 N	27.53 E	10 G	1.0	4	TURKEY
18	08	05	35.5?	33.16 N	48.60 E	33 N 3.9	1.1	7	WESTERN IRAN. Felt in the Khorramabad area.
18	08	47	47.6	5.549 S	76.985 W	33 N 4.9	1.2	23	NORTHERN PERU
18	09	09	25.2*	39.154 N	27.618 E	10 G	0.3	5	TURKEY
18	09	13	09.8*	43.637 N	11.008 E	10 G	0.6	11	CENTRAL ITALY. MD 3.1 (ROM).
18	09	41	14.4*	39.621 N	29.489 E	10 G	0.6	7	TURKEY
18	09	43	59.0*	39.814 N	29.296 E	10 G	1.0	5	TURKEY. MD 2.6 (ISK).
18	09	52	02.5	50.408 N	5.951 E	10 G	0.4	7	BELGIUM. MD 1.6 (UCC). ML 1.4 (BNS).
18	10	08	24.7*	38.652 N	15.372 E	33 N	1.6	6	SICILY
18	10	36	14.6&	63.244 N	150.309 W	115		68	CENTRAL ALASKA. <AEIC>.
18	11	00	48.3*	40.224 N	29.306 E	10 G	0.3	5	TURKEY. MD 2.7 (ISK).
18	11	15	39.4*	51.587 N	16.221 E	10 G 3.6	1.3	16	POLAND. ML 3.5 (VKA).
18	11	50	27.4*	39.158 N	27.626 E	10 G	0.3	5	TURKEY
18	13	03	09.3?	23.47 S	68.11 W	98 ? 4.1	0.4	5	NORTHERN CHILE
18	13	27	05.2*	3.632 S	151.451 E	33 N 4.2	1.4	9	NEW IRELAND REGION
18	13	57	32.2?	39.13 N	27.60 E	10 G	0.3	4	TURKEY. MD 2.7 (ISK).
18	14	41	13.6?	18.05 S	176.90 W	138 ? 4.3	1.5	15	FIJI ISLANDS REGION
18	14	48	41.9*	41.180 N	29.027 E	10 G	0.9	9	TURKEY
18	14	58	16.0*	40.781 N	29.471 E	10 G	1.6	6	TURKEY
18	15	06	22.4	40.886 N	20.790 E	10 G	0.9	14	GREECE-ALBANIA BORDER REGION. ML 2.7 (SKO).
18	16	10	05.8&	61.596 N	151.035 W	5		72	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC). Felt (III) at Skwehtna.
18	16	32	59.2&	61.612 N	147.503 W	28		62	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
18	16	39	23.3?	31.71 S	71.89 W	33 N	0.6	15	NEAR COAST OF CENTRAL CHILE
18	17	14	58.5	21.832 S	139.014 W	0 G 5.1	0.9	71	TUAMOTU ARCHIPELAGO REGION
18	17	17	15.1	43.915 N	127.990 W	10 G 3.8	0.7	80	OFF COAST OF OREGON
18	17	32	54.1	42.715 N	146.593 E	36 D 4.8	0.9	82	OFF COAST OF HOKKAIDO, JAPAN
18	19	35	59.6&	59.783 N	151.823 W	63		32	KENAI PENINSULA, ALASKA. <AEIC>.
18	20	15	25.4*	39.933 N	28.031 E	10 G	0.9	8	TURKEY
18	21	27	45.9*	44.365 N	11.902 E	10 G	0.8	7	NORTHERN ITALY
18	21	46	48.4*	31.414 S	179.811 W	392 * 4.1	1.4	19	KERMADEC ISLANDS REGION
a 18	21	54	28.1	3.598 S	128.390 E	114 D 5.2	1.0	95	CERAM
18	23	04	08.0&	58.031 N	142.693 W	10 4.4		93	GULF OF ALASKA. <AEIC>. ML 4.0 (AEIC).

18	23 17 26.8	58.163 N	142.727 W	10 G				14	GULF OF ALASKA. <AEIC>. ML 2.8 (AEIC).
19	00 03 23.5	9.323 N	82.814 W	17 D	4.8 4.2	1.2	37	PANAMA-COSTA RICA BORDER REGION. MD 4.9 (UPA). Felt (IV) at David and Remedios and (II) in many parts of western Panama.	
f 19	00 58 01.7	1.156 N	122.957 E	33 N	6.0 6.8	1.2	228	MINAHASSA PENINSULA. Ms 6.9 (BRK). Mo=3.0*10**19 Nm (PPT). Felt (III) in the Manado area. Two events about 4.5 seconds apart.	
19	01 16 39.1*	1.467 N	123.366 E	33 N	5.0	1.5	17	MINAHASSA PENINSULA	
19	01 19 50.9	1.333 N	123.009 E	33 D	5.3 5.9	1.0	116	MINAHASSA PENINSULA	
19	01 23 48.9*	1.259 N	122.957 E	33 N	4.7	1.6	15	MINAHASSA PENINSULA	
19	01 41 51.6	1.248 N	122.916 E	45 *	4.8	1.2	45	MINAHASSA PENINSULA	
19	02 02 58.7?	19.12 N	66.52 W	33 N		0.3	7	PUERTO RICO REGION	
19	02 18 20.3	50.922 N	6.626 E	10 G		0.6	7	GERMANY. MD 2.3 (UCC).	
19	02 19 05.2%	40.739 N	25.633 E	10 G		1.0	6	AEGEAN SEA. MD 3.2 (ISK).	
19	02 41 31.7%	58.132 N	142.752 W	10 G	3.2		25	GULF OF ALASKA. <AEIC>. ML 2.8 (AEIC).	
19	02 55 26.2	25.347 S	64.662 W	33 N	4.9	1.2	31	SALTA PROVINCE, ARGENTINA. Damage in the Rio Piedras-Virgilia Tedin area. Also felt in Jujuy and Tucuman Provinces.	
19	02 58 05.1*	14.830 N	147.074 E	43 ?	4.6	1.0	23	MARIANA ISLANDS REGION	
19	03 22 11.4	50.306 N	12.318 E	14		1.3	22	GERMANY. ML 3.3 (LDG).	
19	03 40 27.4	1.315 N	123.027 E	35 D	4.9 4.9	1.1	56	MINAHASSA PENINSULA	
19	04 30 40.6*	15.724 N	60.406 W	33 N		0.3	7	LEEWARD ISLANDS. MD 2.6 (TRN).	
19	04 31 54.0%	40.204 N	29.610 E	10 G		0.5	5	TURKEY	
19	04 33 04.6%	40.248 N	29.608 E	10 G		0.5	5	TURKEY	
19	05 47 37.3*	1.223 N	123.199 E	35 D	4.9 4.3	1.2	25	MINAHASSA PENINSULA	
19	09 17 14.7%	63.503 N	151.377 W	8			44	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).	
19	09 45 08.6%	63.231 N	150.901 W	14			43	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).	
19	10 01 28.5?	39.04 N	20.94 E	10 G		1.6	4	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).	
19	10 08 11.6*	39.112 N	23.032 E	10 G		1.0	10	AEGEAN SEA. ML 2.5 (THE).	
19	14 53 25.4	39.726 N	77.983 E	39 *	4.5 3.9	1.0	24	SOUTHERN XINJIANG, CHINA	
19	15 31 47.6*	6.060 S	112.339 E	140 ?	4.6	1.6	26	JAVA	
19	16 06 46.0*	62.950 N	151.402 W	33 N		1.4	5	CENTRAL ALASKA	
19	16 35 59.3%	43.789 N	5.853 E	10 G		0.6	5	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG).	
19	17 19 45.3	40.795 N	20.761 E	10 G		0.9	11	GREECE-ALBANIA BORDER REGION. ML 3.0 (SKO).	
19	17 21 53.4	38.361 N	21.794 E	16	3.7	1.5	44	GREECE. ML 3.6 (ATH), 3.5 (THE).	
19	18 24 33.5	43.856 N	128.414 W	10 G	4.3 3.7	0.8	48	OFF COAST OF OREGON	
19	18 59 24.9*	6.358 S	132.918 E	56 D	4.5	1.2	17	TANIMBAR ISLANDS REGION	
19	19 48 18.7?	16.51 S	167.34 E	33 N	4.4	0.0	4	VANUATU ISLANDS	
19	19 50 32.8	37.787 N	72.065 E	33 N	4.5	0.6	26	TAJIK SSR	
19	20 09 00.8	1.200 N	122.958 E	38 *	4.7 4.5	1.0	47	MINAHASSA PENINSULA	
19	20 32 19.2	1.259 N	123.319 E	33 N	4.8 4.3	1.4	36	MINAHASSA PENINSULA	
19	21 04 49.8%	43.052 N	0.947 W	10 G		0.1	5	PYRENEES. MD 1.0 (STR).	
19	21 42 27.0?	36.69 N	29.03 E	10 G		0.7	4	TURKEY. MD 3.2 (ISK).	
19	21 50 18.7?	17.00 N	61.23 W	33 N		0.7	5	LEEWARD ISLANDS. ML 2.5 (FDF).	
19	22 43 58.1*	39.997 N	19.939 E	5 G		1.4	6	GREECE-ALBANIA BORDER REGION	
19	22 55 04.3*	17.555 S	178.946 W	502 *	4.5	1.2	30	FIJI ISLANDS REGION	
19	22 58 43.4?	48.85 N	1.62 W	10 G		0.5	4	FRANCE. ML 2.2 (LDG).	
19	23 24 19.1	28.874 N	52.186 E	33 N	4.4	0.9	38	SOUTHERN IRAN	
19	23 27 30.0	45.819 N	26.826 E	108 *	3.7	0.9	33	ROMANIA	
19	23 52 56.9*	38.376 N	21.924 E	10 G		1.5	11	GREECE. MD 3.1 (ATH). ML 3.0 (THE).	
20	00 13 47.8?	47.75 N	7.77 E	10 G		0.6	4	SWITZERLAND. ML 2.1 (LDG).	
20	00 20 39.9	30.985 N	86.774 E	33 N	4.6 4.0	1.1	45	TIBET	
20	01 02 14.7%	61.830 N	152.076 W	101	3.4		86	SOUTHERN ALASKA. <AEIC>. Felt (III) at Skwentna.	
20	01 13 29.7?	27.20 S	70.62 W	33 N		1.5	11	NEAR COAST OF NORTHERN CHILE	
20	01 38 39.0*	14.904 N	123.950 E	33 N	4.4	1.1	20	LUZON, PHILIPPINE ISLANDS	
20	04 09 15.6*	32.402 S	71.214 W	33 N		1.5	10	NEAR COAST OF CENTRAL CHILE	
20	04 14 17.9%	44.589 N	7.458 E	10 G		1.0	8	NORTHERN ITALY. ML 2.1 (GEN).	
20	06 59 19.9?	40.13 N	27.79 E	10 G		0.2	4	TURKEY	
20	07 15 04.0*	13.264 S	76.149 W	97 *	3.5	0.8	7	NEAR COAST OF PERU. Felt (IV) at Chincha, (III) at Canete and (II) at Lima.	
20	08 00 23.2?	34.13 S	179.98 E	101 ?	4.9	1.7	15	SOUTH OF KERMADEC ISLANDS	
20	08 39 58.0%	60.710 N	151.657 W	70			54	KENAI PENINSULA, ALASKA. <AEIC>.	
20	08 45 44.1*	29.231 S	71.587 W	137 ?		1.1	16	NEAR COAST OF CENTRAL CHILE	
20	08 58 22.2%	34.806 N	5.352 W	10 G		1.1	5	MOROCCO. MD 3.7 (RBA).	
20	09 27 36.7%	60.279 N	151.572 W	59			41	KENAI PENINSULA, ALASKA. <AEIC>.	
a 20	09 50 28.0	18.038 S	178.457 W	580 D	5.4	1.2	178	FIJI ISLANDS REGION	
20	11 13 17.2*	38.505 N	21.629 E	10 G		1.6	6	GREECE. MD 3.0 (ATH).	
20	11 33 56.5*	15.876 N	60.644 W	32		0.5	8	LEEWARD ISLANDS. ML 2.7 (FDF).	
20	12 09 48.0?	39.66 N	29.46 E	10 G		0.7	4	TURKEY. MD 2.8 (ISK).	
20	12 32 30.8?	41.34 N	29.86 E	10 G		0.3	5	TURKEY. MD 3.0 (ISK).	
20	13 11 15.1%	39.395 N	22.822 E	10 G		1.1	7	GREECE. ML 1.7 (THE).	
20	13 36 54.3%	34.042 S	148.737 E	10 G	3.4	1.3	8	NEW SOUTH WALES, AUSTRALIA. ML 3.6 (BFD).	
20	14 34 14.3	40.134 N	21.295 E	10 G		1.1	15	GREECE. ML 2.7 (THE).	
20	15 00 53.4%	33.780 N	116.930 W	13			15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS). Felt (IV) at Idyllwild, Mountain Center and Nuevo. Also felt in the Hemet and Palm Springs areas.	
20	15 04 10.0%	33.780 N	116.930 W	12			12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt (IV) at Idyllwild, Mountain Center and Nuevo. Also felt in the Hemet and Palm Springs areas.	
20	15 08 43.4	45.465 N	26.212 E	146	3.3	0.8	17	ROMANIA	
20	15 48 48.6	38.892 N	26.087 E	10		1.1	24	AEGEAN SEA. ML 3.4 (ATH).	
20	15 58 45.8*	5.067 S	68.756 E	10 G	4.6 4.7	1.3	37	CHAGOS ARCHIPELAGO REGION	
20	16 16 23.1?	39.82 N	26.40 E	10 G		1.0	6	TURKEY. MD 3.2 (ISK).	
20	16 28 34.1*	10.584 N	125.688 E	79 ?	4.2	0.6	9	LEYTE, PHILIPPINE ISLANDS	
20	16 35 09.0	4.945 N	94.397 E	37 D	4.9 4.3	1.1	71	OFF W COAST OF NORTHERN SUMATERA	
20	16 41 45.3*	4.731 S	69.034 E	10 G	4.8 4.8	1.3	31	CHAGOS ARCHIPELAGO REGION	
20	16 56 13.6*	24.959 N	121.220 E	10 G	3.9	1.5	6	TAIWAN	
20	17 11 05.0?	31.52 S	68.57 W	90 G		0.4	4	SAN JUAN PROVINCE, ARGENTINA	
20	17 52 43.1*	3.933 S	134.314 E	33 N	4.5	1.1	10	WEST IRIAN REGION	
20	18 32 27.6%	38.641 N	14.077 E	10 G		0.7	14	SICILY. MD 3.5 (ROM).	
20	18 35 05.6%	38.497 N	13.792 E	10 G		1.1	5	SICILY	
20	20 48 57.7%	38.691 N	14.107 E	10 G		0.2	5	SICILY	
20	20 54 04.0	27.666 N	56.379 E	33 N	4.5	0.9	47	SOUTHERN IRAN	

20	21	16	48.1?	37.06	N	71.41	E	120	G	4.1	0.4	7	AFGHANISTAN-USSR BORDER REGION	
20	21	29	06.8*	44.810	N	114.026	W	5	G		0.2	9	WESTERN IDAHO. ML 3.3 (BUT).	
20	21	40	24.4&	63.375	N	145.566	W	2				55	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC).	
20	22	02	29.2	0.995	N	126.150	E	78	*	5.0	1.0	47	MOLUCCA PASSAGE	
20	23	40	30.7	38.304	N	22.275	E	10	G		1.3	16	GREECE. ML 3.1 (THE), 3.0 (ATH).	
20	23	45	24.2?	13.97	S	179.09	E	33	N	4.4 5.0	1.1	51	FIJI ISLANDS REGION	
20	23	53	55.0%	41.693	N	13.250	E	10	G		0.6	9	SOUTHERN ITALY	
21	00	17	32.8?	17.27	N	61.19	W	10	G		0.6	5	LEEWARD ISLANDS. ML 2.7 (FDF).	
21	00	29	56.9	39.382	N	20.778	E	5	G		1.1	9	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH), 2.8 (THE).	
21	00	38	17.7	39.401	N	20.737	E	6			0.8	17	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH), 3.2 (THE).	
21	00	50	20.8&	60.273	N	152.638	W	108		3.9		79	SOUTHERN ALASKA. <AEIC>.	
21	00	57	56.2*	39.366	N	20.736	E	5	G		1.0	10	GREECE-ALBANIA BORDER REGION. MD 3.0 (THE).	
21	01	09	57.6?	45.06	N	2.73	E	10	G		0.1	4	FRANCE. ML 1.9 (LDG).	
21	03	01	23.9&	62.963	N	149.750	W	83		2.8		65	CENTRAL ALASKA. <AEIC>.	
21	03	53	29.9%	43.616	N	11.032	E	10	G		0.9	6	CENTRAL ITALY. MD 2.3 (ROM)	
21	04	04	32.5&	58.302	N	142.845	W	10	G			19	GULF OF ALASKA. <AEIC>. ML 2.8 (AEIC).	
21	04	24	15.5	33.363	S	70.327	W	99		4.7	1.0	28	CHILE-ARGENTINA BORDER REGION. Felt (IV) at Santiago and (III) at Los Andes, La Calera, La Ligua and San Jose de Maipo, Chile.	
21	04	27	39.0&	60.229	N	153.151	W	137				39	SOUTHERN ALASKA. <AEIC>.	
21	05	58	25.4	17.143	N	99.217	W	45	D	4.9 4.1	1.2	66	GUERRERO, MEXICO. Felt at Acapulca.	
21	06	15	57.0	41.465	N	20.445	E	5	G		0.8	20	ALBANIA. ML 3.1 (SKO), 3.1 (TTG).	
21	07	51	56.2*	10.360	N	125.346	E	72	?	4.6	1.3	19	LEYTE, PHILIPPINE ISLANDS	
21	08	17	54.3?	36.65	N	71.88	E	33	N	3.9	0.2	5	AFGHANISTAN-USSR BORDER REGION	
21	08	25	40.8&	59.889	N	151.535	W	74				35	KENAI PENINSULA, ALASKA. <AEIC>.	
21	08	51	26.2?	23.30	N	119.95	E	10	G		0.2	4	TAIWAN REGION	
21	09	14	53.7&	62.558	N	148.179	W	63				67	CENTRAL ALASKA. <AEIC>.	
o	21	11	00	19.0	7.517	S	126.539	E	18	6.2 6.3	1.1	290	BANDA SEA. Ma=8.0*10**18 Nm (PPT). Complex event observed on broadband displacement seismograms.	
21	11	29	32.0	7.506	S	126.548	E	33	N	5.1	1.1	22	BANDA SEA	
21	12	05	29.4	7.504	S	126.705	E	33	N	5.2	1.2	21	BANDA SEA	
21	12	43	35.8*	7.251	S	129.434	E	158	*	5.0	1.2	14	BANDA SEA	
21	13	02	55.5*	14.258	N	92.746	W	33	N	4.4	0.9	21	NEAR COAST OF CHIAPAS, MEXICO	
21	13	06	11.7	49.136	N	6.935	E	15			1.1	13	GERMANY. MD 2.8 (STR), 2.4 (UCC).	
21	13	45	16.3%	41.148	N	28.543	E	10	G		0.7	5	TURKEY. MD 2.6 (ISK).	
21	14	16	02.8?	12.21	N	89.85	W	33	N	4.0	0.8	5	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.	
21	15	20	09.7*	30.901	N	68.077	E	10	G	3.9	1.1	9	PAKISTAN	
21	15	23	19.4%	37.723	N	14.959	E	10	G		1.1	6	SICILY	
21	15	24	32.6%	37.761	N	14.969	E	10	G		0.8	6	SICILY	
21	15	44	58.0%	37.772	N	14.942	E	10	G		0.6	6	SICILY	
21	15	47	12.7%	37.699	N	14.963	E	10	G		1.3	6	SICILY	
21	15	47	55.6?	37.77	N	14.95	E	10	G		0.4	4	SICILY	
21	16	49	11.7?	50.35	N	18.94	E	10	G		0.1	4	POLAND. ML 2.6 (KRA).	
21	17	37	38.8	42.867	N	48.028	E	10	G	5.0	1.2	44	CASPIAN SEA	
21	18	20	51.4%	37.791	N	14.954	E	10	G		1.0	7	SICILY	
21	18	21	59.8%	37.801	N	14.947	E	19	*		0.6	10	SICILY	
21	18	26	00.6?	37.75	N	14.92	E	10	G		0.8	4	SICILY	
21	18	30	18.6&	33.780	N	116.930	W	13				3	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).	
21	19	02	59.7&	59.147	N	153.688	W	106				66	SOUTHERN ALASKA. <AEIC>.	
21	19	04	08.5*	18.975	N	145.877	E	146	?	4.5	1.0	13	MARIANA ISLANDS	
21	19	22	16.4*	7.693	S	126.250	E	33	N	4.6	0.6	11	BANDA SEA	
21	19	30	47.5	10.272	S	161.272	E	84		4.4	0.6	20	SOLOMON ISLANDS. Felt (I) at Honiara.	
21	19	43	26.7&	60.579	N	151.552	W	57				41	KENAI PENINSULA, ALASKA. <AEIC>.	
21	19	44	56.0*	1.715	S	77.874	W	139	*	4.1	0.7	11	ECUADOR	
21	19	48	28.3&	62.789	N	148.898	W	60				62	CENTRAL ALASKA. <AEIC>.	
21	20	09	44.5	32.766	S	71.464	W	10	G		0.8	12	NEAR COAST OF CENTRAL CHILE	
21	20	20	11.7%	37.819	N	14.935	E	10	G		0.4	5	SICILY	
21	20	46	47.9?	40.53	N	27.57	E	10	G		0.2	4	TURKEY	
21	23	15	56.9*	51.487	N	15.746	E	10	G		0.8	7	POLAND. ML 3.9 (GRF), 3.3 (VKA).	
22	00	50	06.9*	6.378	S	147.491	E	89	*	4.6	1.1	28	EAST PAPUA NEW GUINEA REGION	
22	00	57	02.5	18.254	N	103.253	W	45		5.0 4.6	1.2	108	NEAR COAST OF MICHOACAN, MEXICO	
22	01	18	58.6&	36.447	N	120.627	W	20				15	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).	
22	01	39	24.9&	58.765	N	155.936	W	157				37	ALASKA PENINSULA. <AEIC>.	
22	02	44	29.4	84.908	N	8.123	E	10	G	4.4 3.7	0.9	47	NORTH OF SVALBARD	
22	02	46	25.4?	39.09	N	21.64	E	10	G		0.8	4	GREECE. MD 2.3 (THE).	
22	03	31	24.2	28.120	N	54.214	E	23	D	4.5 4.7	1.0	80	SOUTHERN IRAN. Felt at Khanj.	
22	04	03	12.1	41.683	N	13.995	E	10	G		0.7	20	SOUTHERN ITALY	
22	05	06	15.2&	40.513	N	123.682	W	3				6	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).	
o	22	06	53	05.9	33.802	S	179.604	W	45	5.4 5.1	1.1	104	SOUTH OF KERMADec ISLANDS	
22	07	36	41.3?	43.06	N	0.23	W	10	G		0.2	6	PYRENEES. MD 1.0 (STR).	
22	08	04	42.0&	36.342	N	121.892	W	10				14	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).	
22	08	10	23.0	30.320	S	69.168	W	10	G		0.8	10	CHILE-ARGENTINA BORDER REGION	
22	08	15	26.4?	45.53	N	26.25	E	163	?		0.3	5	ROMANIA	
22	08	21	27.5*	2.647	N	122.120	E	585	*	5.0	0.5	15	CELEBES SEA	
22	08	38	52.5?	39.15	N	27.59	E	10	G		0.1	4	TURKEY. MD 2.6 (ISK).	
22	08	47	39.6*	22.843	N	121.621	E	23	*	4.0	1.2	9	TAIWAN REGION	
22	09	50	48.3*	31.011	S	65.528	W	201	?		0.6	11	CORDOBA PROVINCE, ARGENTINA	
22	10	44	49.5?	39.66	N	29.51	E	10	G		0.8	7	TURKEY. MD 2.8 (ISK).	
22	11	50	09.2	35.187	N	28.918	E	10	G		1.1	11	EASTERN MEDITERRANEAN SEA. MD 3.5 (ATH).	
22	12	00	03.3*	40.809	N	30.252	E	10	G		0.5	5	TURKEY. MD 2.9 (ISK).	
22	12	27	37.3?	30.13	N	69.65	E	33	N	4.2	0.7	6	PAKISTAN	
22	12	37	35.4*	10.976	S	162.007	E	35	D	4.7 4.5	1.2	24	SOLOMON ISLANDS	
22	13	04	46.2%	41.121	N	29.010	E	10	G		0.5	5	TURKEY. MD 2.5 (ISK).	
22	13	14	39.8*	36.735	N	103.857	E	33	N	3.2	1.4	6	GANSU PROVINCE, CHINA	
22	13	31	57.3*	36.810	N	28.942	E	10	G		0.2	6	DODECANESE ISLANDS. MD 3.5 (ISK).	
22	13	41	11.5	46.362	N	1.802	E	19			0.5	28	FRANCE. ML 3.6 (LDG). MD 3.3 (STR).	
22	13	45	05.0%	46.346	N	1.852	E	10	G		0.8	12	FRANCE. ML 2.5 (LDG).	
22	14	18	37.0?	36.74	N	71.33	E	180	?	3.5	1.0	9	AFGHANISTAN-USSR BORDER REGION	
22	14	31	26.3?	42.76	N	13.25	E	5	G		1.0	4	CENTRAL ITALY	
22	14	32	32.5	1.514	N	127.329	E	157	*	4.8	0.8	27	HALMAHERA	
o	22	16	29	02.3	27.406	N	55.787	E	25	D	5.7 5.0	0.9	391	SOUTHERN IRAN. Felt in the Bandar-e Abbas area.
22	17	22	36.1?	7.95	S	107.52	E	33	N	4.5	0.6	5	JAVA	

22	17 29 05.2	51.280 N	179.535 W	33 N	4.6	1.0	49	ANDREANOF ISLANDS, ALEUTIAN IS.
22	18 17 36.77	4.28 S	151.86 E	145 ?	4.9	1.1	7	NEW BRITAIN REGION
22	18 36 29.67	39.02 N	28.87 E	10 G		0.5	4	TURKEY. MD 2.7 (ISK).
22	18 36 48.5&	63.967 N	148.915 W	127	3.5		68	CENTRAL ALASKA. <AEIC>.
22	19 21 34.47	5.95 S	147.79 E	150 *	4.7	0.9	7	EAST PAPUA NEW GUINEA REGION
o 22	21 05 22.5	51.770 N	175.883 E	33 N	5.5 4.9	0.9	265	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.4 (PMR). Ms 5.0 (BRK). Mo=1.7*10**17 Nm (PPT). Felt (II) on Shemya.
22	21 06 52.5	47.325 N	154.280 E	33 N	5.2 4.3	0.9	61	KURIL ISLANDS
22	21 44 26.17	40.42 N	23.86 E	10 G		0.8	4	GREECE. MD 1.8 (THE).
22	22 36 26.87	39.044 N	29.550 E	10 G		0.8	6	TURKEY. MD 2.7 (ISK).
22	23 01 43.6&	65.097 N	150.573 W	27			16	ALASKA. <AEIC>. ML 2.6 (AEIC).
22	23 19 38.77	5.38 S	129.14 E	33 N	4.4	1.5	6	BANDA SEA
23	00 10 46.3*	16.560 S	176.876 E	33 N	3.5	0.5	8	FIJI ISLANDS REGION
23	02 15 41.37	7.37 S	126.64 E	33 N	4.3	1.6	5	BANDA SEA
23	03 50 34.1&	60.002 N	152.802 W	99			34	SOUTHERN ALASKA. <AEIC>.
23	04 08 41.2&	40.737 N	125.047 W	16			54	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK).
23	04 31 56.7&	40.393 N	125.347 W	8	3.7		21	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
23	06 02 33.4	49.106 N	6.900 E	10 G		1.0	18	GERMANY. MD 2.5 (STR).
23	06 33 38.17	7.87 S	126.76 E	33 N	4.6	1.1	6	BANDA SEA
o 23	06 44 21.4	14.940 S	166.845 E	63 *	5.4	1.1	161	VANUATU ISLANDS
23	07 38 40.5&	39.298 N	111.149 W	12	3.5		19	UTAH. <SLC-P>. ML 2.8 (SLC), 3.6 (GS). Felt (III) at Ephraim. Also felt at the Utah Power and Light Cottonwood Creek Mine.
23	08 04 27.67	40.44 N	23.50 E	10 G		0.2	4	GREECE
23	08 18 58.3*	27.917 S	66.922 W	208 ?		0.9	13	CATAMARCA PROVINCE, ARGENTINA
23	08 41 32.6*	42.551 N	43.159 E	10 G	4.4 3.5	1.0	29	WESTERN CAUCASUS
23	08 54 55.07	39.12 N	27.52 E	10 G		0.1	4	TURKEY. MD 2.7 (ISK).
23	09 02 32.27	5.04 S	149.85 E	33 N	4.2	0.4	5	NEW BRITAIN REGION
23	09 12 57.47	40.208 N	29.281 E	10 G		0.0	5	TURKEY. MD 2.7 (ISK).
23	09 19 59.4*	10.412 N	125.409 E	55 *	4.7 4.1	1.1	25	LEYTE, PHILIPPINE ISLANDS
23	10 03 19.8	41.134 N	69.142 E	33 N	4.4	0.5	11	KIRGHIZ SSR. Felt (IV) at Tashkent.
23	10 27 17.8	50.090 N	28.937 W	19 D	5.0 4.5	1.0	123	NORTH ATLANTIC RIDGE
23	11 24 00.17	19.65 N	65.96 W	10 G		0.2	7	PUERTO RICO REGION
23	11 38 26.87	16.663 N	61.196 W	10 G		0.4	6	LEEWARD ISLANDS. ML 1.9 (FDF).
23	12 14 42.67	39.132 N	27.637 E	10 G		0.6	5	TURKEY
23	13 43 28.3&	63.116 N	149.740 W	93			60	CENTRAL ALASKA. <AEIC>.
23	14 24 24.5*	31.583 S	66.500 W	120 G		0.4	5	LA RIOJA PROVINCE, ARGENTINA
23	14 43 56.7	34.034 S	70.441 W	10 G		0.5	11	CHILE-ARGENTINA BORDER REGION
23	16 36 23.2&	60.471 N	151.039 W	45			71	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.3 (AEIC).
23	17 21 41.47	38.06 N	22.05 E	10 G		1.3	7	GREECE. MD 2.7 (THE).
23	17 55 39.4*	11.525 S	166.016 E	82 *	4.3	0.7	11	SANTA CRUZ ISLANDS
23	18 11 13.8&	60.265 N	153.105 W	142			50	SOUTHERN ALASKA. <AEIC>.
23	18 16 11.97	44.770 N	7.281 E	10 G		0.7	8	NORTHERN ITALY. ML 1.9 (GEN).
23	18 25 09.87	38.981 N	29.559 E	10 G		0.2	6	TURKEY. MD 2.5 (ISK).
23	18 38 09.2	31.411 N	86.755 E	33 N	4.3 4.3	1.4	25	TIBET
23	18 45 49.07	38.949 N	26.991 E	10 G		0.3	5	AEGEAN SEA. MD 2.9 (ISK).
23	18 52 34.1	29.030 N	142.583 E	33 N	4.6 4.4	1.0	39	SOUTH OF HONSHU, JAPAN
23	19 23 59.17	43.128 N	18.215 E	10 G		0.3	7	YUGOSLAVIA. ML 2.0 (TTG).
23	19 42 56.0*	51.416 N	15.850 E	10 G	3.7	1.1	19	POLAND. ML 4.1 (GRF), 4.0 (VKA), 4.0 (KBA).
23	20 42 02.4*	37.138 N	29.489 E	10 G		0.7	5	TURKEY. MD 3.4 (ISK).
23	20 47 17.4*	40.103 N	78.949 E	33 N	3.9	1.3	7	SOUTHERN XINJIANG, CHINA
23	21 22 43.2*	51.124 N	178.242 W	33 N	4.2	0.9	16	ANDREANOF ISLANDS, ALEUTIAN IS.
23	21 59 37.9	49.088 N	6.926 E	10 G		0.5	9	GERMANY. MD 2.3 (STR), 2.1 (UCC).
23	22 51 19.47	41.58 N	13.08 E	5 G		0.2	4	SOUTHERN ITALY
23	23 29 18.77	40.64 N	29.00 E	10 G		0.8	4	TURKEY. MD 2.6 (ISK).
24	00 18 08.4*	30.340 S	71.620 W	76 ?		0.3	12	NEAR COAST OF CENTRAL CHILE
24	00 31 22.97	40.534 N	23.546 E	10 G		0.7	6	GREECE. MD 1.8 (THE).
24	01 47 47.1*	24.364 N	122.509 E	10 G	4.2	1.3	12	TAIWAN REGION
24	01 49 02.37	38.940 N	28.645 E	10 G		0.3	6	TURKEY. MD 2.8 (ISK).
24	02 30 36.97	18.99 N	65.32 W	10 G		0.4	6	PUERTO RICO REGION
24	03 04 23.0&	39.483 N	122.957 W	11			16	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
24	03 06 22.0*	2.587 N	122.119 E	577 *	4.9	0.5	16	CELEBES SEA
24	06 40 49.9	46.376 N	1.841 E	14		0.7	18	FRANCE. ML 3.0 (LDG).
24	06 58 00.27	21.16 S	178.76 W	621 ?	4.8	1.2	11	FIJI ISLANDS REGION
24	07 01 37.77	44.765 N	7.635 E	10 G		0.6	7	NORTHERN ITALY
24	07 26 48.77	7.95 S	148.31 E	33 N	4.0	1.8	5	EAST PAPUA NEW GUINEA REGION
24	07 29 01.4&	59.643 N	153.926 W	133			71	SOUTHERN ALASKA. <AEIC>.
24	07 59 38.8*	42.679 N	42.908 E	10 G	3.9	0.7	7	WESTERN CAUCASUS
24	09 04 30.6*	40.055 N	27.585 E	10 G		0.6	6	TURKEY. MD 2.7 (ISK).
24	10 05 08.17	44.56 N	8.59 E	10 G		0.4	4	NORTHERN ITALY. ML 2.0 (GEN).
24	10 33 57.97	41.01 N	21.70 E	10 G		1.6	4	YUGOSLAVIA. MD 2.6 (THE).
24	10 49 26.0*	38.541 N	70.071 E	33 N	3.9	1.3	12	AFGHANISTAN-USSR BORDER REGION
24	10 56 37.6*	31.325 S	67.903 W	10 G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
24	11 07 38.17	43.16 N	0.92 W	10 G		0.1	4	PYRENEES. MD 1.0 (STR).
24	12 49 25.3	50.749 N	130.111 W	10 G	4.0	0.8	72	VANCOUVER ISLAND REGION
24	12 54 57.0	40.705 N	29.179 E	10 G		0.6	9	TURKEY. MD 2.8 (ISK).
24	12 59 06.2	37.079 N	58.578 E	10 G	4.5 4.3	1.1	34	IRAN-USSR BORDER REGION. Felt at Mashad and Ouchon, Iran.
24	13 56 59.8&	59.900 N	153.267 W	123	2.7		45	SOUTHERN ALASKA. <AEIC>.
24	15 19 39.77	61.410 N	3.814 E	10 G		0.8	9	NORWEGIAN SEA. MD 2.5 (BER).
24	15 37 49.8*	35.589 N	72.030 E	33 N	4.0	0.8	7	PAKISTAN
24	16 14 18.1	49.097 N	6.864 E	10 G		0.7	10	GERMANY. MD 2.6 (STR).
24	16 26 22.4*	37.163 N	58.631 E	10 G	4.0	1.1	10	IRAN-USSR BORDER REGION
24	16 37 37.07	29.38 S	67.17 W	120 G		1.6	9	LA RIOJA PROVINCE, ARGENTINA
24	17 27 39.5&	59.711 N	153.058 W	100			32	SOUTHERN ALASKA. <AEIC>.
24	18 08 33.6&	33.040 N	116.020 W	6			7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
o 24	18 28 34.7	60.306 S	43.821 W	10 G	5.5 5.5	1.1	81	SCOTIA SEA
24	19 55 00.17	40.38 N	27.89 E	10 G		0.4	4	TURKEY. MD 2.4 (ISK).
24	20 04 29.9&	60.525 N	152.696 W	7			25	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
f 24	20 50 55.8	16.506 S	70.701 W	128 G	6.3	1.0	526	SOUTHERN PERU. Mo=3.0*10**19 Nm (PPT). Slight damage (VI) at Tacna. Felt (V) at Ilo and Arequipa. Also felt (III) at La Paz, Bolivia. Depth from broadband displacement seismograms.

24	20 59 01.5	42.711 N	18.667 E	10 G		1.0	18	YUGOSLAVIA. ML 2.9 (TTG).
24	22 24 05.8	5.976 S	154.625 E	171 *	5.0	0.9	45	SOLOMON ISLANDS
25	01 20 20.2%	34.721 N	105.143 E	33 N		1.2	6	GANSU PROVINCE, CHINA. ML 4.0 (BJI).
25	02 31 42.6&	34.110 N	118.310 W	6			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.0 (PAS). Felt at Hollywood and Los Angeles.
25	02 59 58.1*	24.288 N	123.271 E	10 G	4.3	0.9	7	SOUTHWESTERN RYUKYU ISLANDS
25	03 34 42.6&	60.242 N	152.553 W	100			49	SOUTHERN ALASKA. <AEIC>.
25	03 51 22.3&	58.757 N	153.315 W	4			27	KODIAK ISLAND REGION. <AEIC>. ML 2.7 (AEIC).
25	06 13 39.4?	45.19 N	6.55 E	10 G		0.9	4	FRANCE. ML 1.9 (GEN).
25	06 27 49.2	7.495 S	119.423 E	272 *	4.5	1.0	22	FLORES SEA
25	07 39 12.2%	39.585 N	28.928 E	10 G		0.4	10	TURKEY. MD 2.8 (ISK).
25	07 59 05.5*	28.786 S	70.856 W	111 ?	3.7	1.4	9	CENTRAL CHILE
25	09 25 36.8	31.664 S	69.318 W	114	4.7	0.9	63	SAN JUAN PROVINCE, ARGENTINA
25	09 54 07.4&	37.508 N	121.693 W	7			7	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
25	10 40 24.2*	35.246 N	27.685 E	10 G		1.3	6	DODECANESE ISLANDS. MD 3.7 (ATH).
25	11 16 17.7&	60.149 N	152.618 W	98			36	SOUTHERN ALASKA. <AEIC>.
25	11 30 02.9%	18.064 N	67.088 W	33 N		0.8	6	MONA PASSAGE
25	11 31 19.4	43.070 N	18.340 E	10 G		0.7	18	YUGOSLAVIA. ML 3.0 (TTG).
25	12 11 47.2	45.770 N	26.770 E	94	3.5	0.9	22	ROMANIA. Felt (II) in the epicentral area.
25	12 12 42.6%	41.624 N	27.726 E	10 G		0.9	5	TURKEY
25	12 47 51.1*	16.402 S	174.264 W	33 N	4.9	0.5	7	TONGA ISLANDS
25	12 55 25.5%	39.972 N	28.033 E	10 G		0.3	7	TURKEY. MD 2.8 (ISK).
25	13 28 10.5&	58.780 N	153.319 W	2			25	KODIAK ISLAND REGION. <AEIC>. ML 2.6 (AEIC).
25	14 45 19.1	38.360 N	21.747 E	5 G		1.3	15	GREECE. ML 3.2 (ATH).
25	15 27 37.3?	6.44 S	147.11 E	90 *	4.4	1.5	10	EAST PAPUA NEW GUINEA REGION
25	16 03 56.2?	40.31 N	27.51 E	10 G		0.0	4	TURKEY. MD 2.5 (ISK).
25	17 07 34.1*	25.263 N	95.170 E	86 *	4.6	1.1	14	BURMA-INDIA BORDER REGION
25	17 13 03.1	44.988 N	7.161 E	10 G		0.4	8	NORTHERN ITALY. ML 2.4 (GEN), 2.0 (LDG).
25	18 03 36.9*	19.912 N	46.101 W	10 G	4.5 4.7	0.8	17	NORTH ATLANTIC RIDGE
25	18 59 23.2?	42.96 N	147.59 E	33 N	4.8	1.5	6	OFF COAST OF HOKKAIDO, JAPAN
25	19 09 25.2?	30.90 N	141.17 E	33 N	3.9	0.2	8	SOUTH OF HONSHU, JAPAN
25	19 14 15.5?	7.48 N	126.72 E	70 G	4.2	0.6	8	MINDANAO, PHILIPPINE ISLANDS
25	20 15 46.7%	45.539 N	3.652 E	10 G		0.8	8	FRANCE. ML 1.9 (LDG).
25	20 57 30.3	43.923 N	13.144 E	10 G		0.7	13	CENTRAL ITALY. ML 3.0 (KBA). MD 2.9 (TRI).
25	22 17 40.5%	40.656 N	30.097 E	10 G		1.0	9	TURKEY. MD 3.0 (ISK).
25	22 25 10.3*	5.812 S	77.086 W	33 N	4.5	0.9	9	NORTHERN PERU
25	23 07 24.6?	39.29 N	74.09 E	33 N	4.1	0.9	10	SOUTHERN XINJIANG, CHINA
26	00 22 44.2*	37.038 N	29.380 E	10 G		0.4	5	TURKEY. MD 3.5 (ISK).
26	01 59 29.4?	37.71 N	15.02 E	10 G		0.1	4	SICILY
26	02 08 18.9*	28.976 N	142.534 E	42 D	4.2	1.0	17	BONIN ISLANDS REGION
26	03 06 26.2%	46.260 N	8.769 E	10 G		0.7	6	SWITZERLAND
26	03 22 02.3	38.011 N	20.142 E	10 G	3.7	1.2	17	GREECE. MD 3.6 (ATH). ML 3.5 (THE).
a 26	03 54 48.1	22.341 S	174.264 E	33 N	5.2 5.1	1.0	86	LOYALTY ISLANDS REGION
26	04 32 18.1*	1.008 S	76.321 W	10 G		1.1	8	ECUADOR
26	05 12 37.8?	35.26 S	71.12 W	33 N		0.7	8	CENTRAL CHILE
26	05 29 14.8	29.340 N	80.332 E	65 *	4.5	1.0	30	NEPAL-INDIA BORDER REGION
26	06 12 34.7	59.683 S	26.005 W	33 N	5.1	0.6	25	SOUTH SANDWICH ISLANDS REGION
26	07 02 33.5*	6.113 N	117.168 E	33 N	4.6 4.2	1.4	21	KALIMANTAN. Felt at Kota Kinabalu, Malaysia.
26	07 18 37.0%	42.106 N	20.009 E	10 G		0.3	9	YUGOSLAVIA. ML 2.0 (TTG).
26	07 39 40.9?	1.39 N	126.90 E	164 ?		0.7	8	MOLUCCA PASSAGE
26	08 00 19.8*	43.370 N	126.410 W	10 G	2.8	0.5	44	OFF COAST OF OREGON
26	08 02 42.5	40.898 N	94.577 E	33 N	4.5	0.6	21	GANSU PROVINCE, CHINA
26	09 00 16.2%	59.814 N	6.064 E	10 G		0.9	12	SOUTHERN NORWAY. MD 2.6 (BER).
26	10 04 25.4	20.003 S	133.817 E	5 G		1.2	6	NORTHERN TERRITORY, AUSTRALIA. ML 3.0 (QIS).
26	10 12 14.7	7.499 S	128.141 E	130	5.4	1.0	86	BANDA SEA
26	10 30 44.8	11.342 N	125.570 E	66 *	4.8	0.8	31	SAMAR, PHILIPPINE ISLANDS
26	10 39 45.5*	47.833 N	153.387 E	109 ?	4.3	1.2	20	KURIL ISLANDS
26	10 59 38.8	38.326 N	21.800 E	10 G		1.5	14	GREECE. ML 3.2 (THE), 3.2 (ATH).
26	10 59 48.9	5.865 N	116.746 E	33 N	5.1 4.5	1.1	88	KALIMANTAN. One person died from shock and slight damage at Ranau, Malaysia. Felt at Melapap, Kota Kinabalu, Papar and along parts of the west coast of Sabah, Malaysia.
26	11 04 53.2?	15.65 N	59.91 W	33 N		0.3	7	LEEWARD ISLANDS. ML 3.0 (FDF).
26	11 14 31.0*	5.718 N	116.748 E	33 N	4.7	1.0	16	KALIMANTAN. Felt at Kota Kinabalu, Melapap, Papar and Ranau, Malaysia.
a 26	11 16 59.1	5.869 N	116.815 E	18 D	5.1 4.7	1.2	79	KALIMANTAN. Felt at Ranau, Melapap, Papar and Kota Kinabalu and along parts of the west coast of Sabah, Malaysia.
26	11 21 38.4	44.021 N	7.834 E	10 G		0.7	24	NORTHERN ITALY. ML 2.5 (LDG), 2.5 (GEN).
26	11 55 05.3	4.130 N	125.592 E	21 D	5.4 4.4	1.2	87	TALAUD ISLANDS
26	12 24 28.7*	62.661 S	164.368 W	10 G	5.0	1.1	13	SOUTH PACIFIC CORDILLERA
26	12 26 00.2	40.730 N	15.765 E	8	5.1 4.8	1.1	207	SOUTHERN ITALY. ML 5.2 (ZAG), 5.0 (TTG). A few people injured and minor damage in the Patenza area. Felt in the Avellino-Matera-Naples area. Also felt at Salerno and Bari.
26	12 30 34.3&	60.259 N	153.107 W	133			82	SOUTHERN ALASKA. <AEIC>.
26	12 50 58.1&	34.000 N	118.300 W	6 G			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt (III) at Inglewood. Also felt in the Los Angeles area.
26	12 55 33.8*	2.881 S	136.342 E	33 N	5.0	0.8	10	WEST IRIAN REGION
26	14 03 01.7&	59.792 N	152.127 W	68	3.5		82	SOUTHERN ALASKA. <AEIC>.
26	14 12 14.4*	9.288 S	127.298 E	106 ?	4.8	0.9	17	TIMOR SEA
26	15 10 32.1%	41.125 N	28.476 E	10 G		1.0	5	TURKEY. MD 2.7 (ISK).
26	16 59 53.4&	38.360 N	119.440 W	6			12	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.1 (BRK).
26	17 13 49.1?	42.36 N	13.20 E	10 G		1.0	4	CENTRAL ITALY
26	17 28 01.3*	27.054 N	99.745 E	33 N	5.0	1.1	9	YUNNAN PROVINCE, CHINA
26	17 45 30.4	41.077 N	22.455 E	10 G		0.4	11	YUGOSLAVIA. ML 2.6 (THE), 2.5 (SKO).
26	18 44 04.8?	18.33 N	65.72 W	33 N		0.5	7	PUERTO RICO REGION
26	19 37 26.5	44.806 N	111.818 W	5 G		0.3	9	HEBGEN LAKE REGION. ML 3.7 (BUT).
26	20 48 34.1*	23.945 N	123.582 E	33 N	3.8	1.4	8	SOUTHWESTERN RYUKYU ISLANDS
26	20 58 11.3?	43.06 N	128.31 W	10 G		0.4	32	OFF COAST OF OREGON
26	21 06 22.0%	42.264 N	12.972 E	10 G		1.1	8	CENTRAL ITALY
26	21 11 00.4*	31.837 S	69.359 W	100 G		1.3	9	SAN JUAN PROVINCE, ARGENTINA
26	21 38 56.4	7.650 S	127.538 E	182	5.0	0.8	52	BANDA SEA

26	21 55 48.1?	36.41 N	28.85 E	33 N	1.2	7	DODECANESE ISLANDS. MD 3.6 (ISK).
26	22 30 07.9	6.154 S	150.997 E	17	5.1 4.3	0.9	44 NEW BRITAIN REGION
27	00 05 43.1*	37.745 N	69.237 E	33 N	4.8	1.0	7 AFGHANISTAN-USSR BORDER REGION
27	00 33 29.4*	36.733 N	70.743 E	195 ?	4.5	0.7	9 HINDU KUSH REGION
27	01 14 07.4	34.135 N	139.131 E	19 D	5.0 4.2	0.9	84 NEAR S. COAST OF HONSHU, JAPAN
27	01 19 49.5*	24.027 N	122.598 E	10 G	3.5	1.0	5 TAIWAN REGION
27	01 24 50.4	31.892 N	141.588 E	33 N	5.0	0.4	20 SOUTH OF HONSHU, JAPAN
27	02 48 18.0	12.953 N	144.541 E	37 D	5.0 4.5	1.0	45 SOUTH OF MARIANA ISLANDS
27	03 24 55.8*	54.407 N	166.384 W	33 N	4.1	0.7	7 FOX ISLANDS, ALEUTIAN ISLANDS
27	03 40 45.5?	42.34 N	45.86 E	10 G	3.7	1.5	7 EASTERN CAUCASUS. Felt (III) at Tbilisi, USSR.
27	04 38 21.2%	42.857 N	18.706 E	10 G		0.7	7 YUGOSLAVIA. ML 1.5 (TTG).
27	05 33 45.4%	58.216 N	143.122 W	10 G			57 GULF OF ALASKA. <AEIC>. ML 3.1 (AEIC).
27	05 49 12.3	7.578 S	126.578 E	33 N	5.4	0.9	24 BANDA SEA
27	06 33 02.6	10.399 N	125.325 E	29 D	5.3 4.6	1.1	81 LEYTE, PHILIPPINE ISLANDS
27	06 49 19.4*	51.892 N	166.266 W	33 N	4.3	0.8	15 ALEUTIAN ISLANDS REGION
27	09 13 33.3	49.519 N	94.759 E	19 D	5.1 4.4	1.1	113 USSR-MONGOLIA BORDER REGION
27	09 32 18.8%	61.582 N	150.449 W	49			32 SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
27	09 58 40.4%	14 457 N	93.395 W	33 N		1.0	6 NEAR COAST OF CHIAPAS, MEXICO. Felt in the Oaxaca-Chiapas border area.
27	10 26 40.6?	36.51 N	29.02 E	10 G		0.8	6 TURKEY. MD 3.6 (ISK).
27	10 57 44.8%	61.233 N	152.053 W	127			13 SOUTHERN ALASKA. <AEIC>.
27	11 30 13.1*	15.805 N	61.034 W	105	3.7	0.7	12 LEEWARD ISLANDS
27	11 35 45.1*	5.331 S	131.195 E	33 N	4.7	0.9	12 BANDA SEA
27	12 02 25.7?	32.92 N	56.33 E	33 N	4.6	1.5	5 IRAN
27	12 10 20.6%	42.844 N	18.632 E	10 G		0.7	5 YUGOSLAVIA. ML 1.7 (TTG).
27	12 19 52.7%	43.235 N	0.856 W	10 G		0.4	7 PYRENEES. MD 1.2 (STR).
27	13 11 34.6%	18.384 N	65.925 W	10 G		0.7	6 PUERTO RICO REGION
27	14 23 02.9	49.099 N	6.848 E	5 G		0.7	11 GERMANY. MD 2.6 (STR), 2.3 (UCC).
27	15 38 29.5	40.662 N	15.707 E	10 G		1.2	9 SOUTHERN ITALY
27	16 46 05.1%	59.961 N	152.772 W	90			30 SOUTHERN ALASKA. <AEIC>.
27	17 13 17.4%	40.691 N	15.797 E	5 G		1.0	6 SOUTHERN ITALY
27	17 24 18.5*	20.515 S	68.064 E	10 G	5.2 4.9	1.0	39 MID-INDIAN RISE
27	18 40 27.9	9.482 N	82.694 W	10 G	5.0 5.0	1.1	53 PANAMA-COSTA RICA BORDER REGION. MD 5.1 (SJR). Several people injured slightly and damage (IV) at Changuinola, Panama. Felt (IV) on Bocas del Toro and Carenero Islands and (III) at Volcan and David, Panama. Also felt in Costa Rica.
27	19 10 41.8%	39.934 N	23.264 E	10 G		0.9	5 AEGEAN SEA
27	19 14 35.6	41.294 N	22.489 E	12		0.5	19 YUGOSLAVIA. ML 3.2 (SKO). MD 3.2 (THE).
27	19 20 49.4	43.069 N	0.781 W	10 G		0.5	9 PYRENEES. MD 1.4 (STR).
27	19 22 31.4?	51.40 N	16.22 E	10 G		0.7	5 POLAND
27	19 41 48.6%	46.882 N	0.435 W	10 G		0.4	8 FRANCE. ML 2.0 (LDG).
27	20 04 30.5%	36.902 N	121.667 W	9			14 CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
27	20 37 21.4?	56.77 S	140.44 W	10 G	4.8	1.0	10 SOUTH PACIFIC CORDILLERA
27	21 06 57.3	29.349 N	80.304 E	53 *	4.6 4.3	1.0	66 NEPAL-INDIA BORDER REGION
27	23 48 06.1*	40.720 N	21.224 E	10 G		1.1	9 GREECE. MG 2.5 (TIR).
27	23 49 45.8	34.744 N	26.228 E	5 G	4.1	1.0	18 CRETE. ML 4.1 (ATH).
28	00 21 53.0	40.510 N	26.385 E	10 G		0.2	7 TURKEY. MD 3.2 (ISK).
28	00 56 33.6*	17.000 N	99.575 W	10 G	4.6 3.6	1.2	26 GUERRERO, MEXICO
28	01 16 42.7	38.988 N	29.806 E	10 G		0.8	18 TURKEY. MD 3.4 (ISK).
28	01 54 54.5*	53.835 N	164.123 W	33 N	4.7 3.9	1.2	38 UNIMAK ISLAND REGION. ML 4.8 (PMR).
28	02 10 41.9*	40.749 N	21.342 E	10 G		0.3	5 GREECE
28	02 52 20.4?	40.20 N	19.90 E	10 G		0.9	4 ALBANIA. MG 2.6 (TIR).
28	03 22 23.5	5.808 S	77.057 W	33 N	4.8 4.3	1.2	54 NORTHERN PERU
28	03 52 46.5	51.616 N	16.302 E	7	4.2	1.1	19 POLAND. ML 3.7 (GRF), 3.7 (VKA), 3.6 (KBA).
28	03 59 05.7*	38.639 N	26.652 E	10 G		0.6	6 AEGEAN SEA. MD 3.4 (ISK).
28	04 31 22.6	36.627 N	5.472 W	10 G		1.4	11 STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
28	04 39 10.7%	60.137 N	152.535 W	89			34 SOUTHERN ALASKA. <AEIC>.
28	04 54 45.2	40.116 S	72.789 W	48 D	4.9 3.4	1.1	34 CENTRAL CHILE. Felt (V) at Valdivia, Osorno and Paillaga; (IV) at Futrono and Lanco; (III) at Purrarique, Puerto Montt, Carral and Los Lagos.
28	05 09 46.9*	23.330 S	68.423 W	90 ?	3.8	1.3	7 NORTHERN CHILE
28	05 44 31.8*	15.209 S	173.353 W	5 G	4.8 4.8	1.2	28 TONGA ISLANDS
28	06 00 46.9?	16.81 S	173.65 W	33 N	4.5	1.6	11 TONGA ISLANDS
28	06 25 07.8*	28.004 S	66.965 W	225 ?		0.9	12 CATAMARCA PROVINCE, ARGENTINA
28	07 32 06.9*	24.082 N	122.507 E	38 *	4.1	1.0	16 TAIWAN REGION
28	07 55 33.6%	60.545 N	152.779 W	7			33 SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
28	08 23 13.8%	42.394 N	19.186 E	10 G		0.3	7 YUGOSLAVIA. ML 1.2 (TTG).
28	08 44 35.4?	30.24 N	80.38 E	33 N		0.6	6 TIBET-INDIA BORDER REGION
28	08 52 43.9	1.751 N	128.511 E	62 ?	5.0	1.1	59 HALMAHERA
28	09 27 40.9*	34.256 N	26.304 E	52 *	4.0 3.1	1.0	11 CRETE. MD 4.0 (ATH).
28	09 34 07.0	37.033 N	3.648 W	10 G		1.2	10 SPAIN. mbLg 3.1 (MDD).
28	09 57 50.3?	39.82 N	29.35 E	10 G		0.4	4 TURKEY. MD 2.7 (ISK).
28	10 18 21.1?	5.95 S	147.27 E	126 ?	4.7	1.2	11 EAST PAPUA NEW GUINEA REGION
28	10 32 16.5%	36.575 N	5.439 W	5 G		0.5	5 STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
28	10 46 17.9	36.594 N	5.417 W	5 G		0.8	11 STRAIT OF GIBRALTAR. mbLg 3.0 (MDD). Felt (III) in the epicentral area.
28	10 49 11.4	49.078 N	6.887 E	5 G		0.4	9 GERMANY. MD 2.5 (STR).
28	11 19 51.4%	40.660 N	15.850 E	10 G		0.6	8 SOUTHERN ITALY
28	11 58 47.1%	35.757 N	121.317 W	6			24 CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Felt (IV) at San Simeon.
28	12 19 59.9%	35.763 N	121.317 W	6			13 CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
28	12 40 16.6	5.729 S	130.895 E	88	5.0	0.9	80 BANDA SEA
28	12 43 22.0%	34.205 N	26.469 E	33 N	3.5	0.7	7 CRETE. ML 3.2 (LDG).
28	13 18 46.5%	41.145 N	28.485 E	10 G		1.0	6 TURKEY. MD 2.6 (ISK).
28	13 33 51.9*	40.391 N	21.032 E	10 G		1.3	5 GREECE. MG 2.7 (TIR).
28	14 55 20.3?	21.61 S	114.34 W	10 G	4.8 4.9	1.0	7 EASTER ISLAND CORDILLERA
28	16 34 25.1?	23.14 N	120.31 E	10 G		0.6	4 TAIWAN
28	17 10 40.7	40.504 N	26.394 E	10 G		0.3	10 TURKEY. MD 3.2 (ISK).
28	17 12 36.8%	63.501 N	151.350 W	15			37 CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR).
28	17 31 03.5%	16.115 N	61.061 W	29 *		0.1	7 LEEWARD ISLANDS. ML 2.3 (FDF).
28	17 46 32.2*	13.984 N	60.461 W	77 ?	3.7	1.1	13 WINDWARD ISLANDS. MD 3.6 (TRN).
28	18 26 50.5	40.507 N	26.411 E	27	4.0	0.9	78 TURKEY. MD 4.4 (ISK). ML 4.2 (ATH). Felt in the

28	18 28	29.07	63.63	N	9.05	E	10	G	0.7	4	Canakkale area.
28	18 37	31.6%	40.513	N	26.377	E	10	G	0.6	7	SOUTHERN NORWAY. MD 2.5 (BER).
28	18 45	24.3	19.021	N	61.269	W	28	4.8	1.0	36	TURKEY. MD 3.0 (ISK).
28	18 58	46.2	36.811	N	22.368	E	27	*	1.3	37	LEEWARD ISLANDS. ML 4.6 (FDF). MD 4.9 (TRN).
28	19 02	08.47	63.64	N	9.05	E	10	G	0.9	4	SOUTHERN GREECE. ML 3.9 (ATH).
28	19 18	49.27	9.08	S	120.63	E	217	?	0.7	7	SOUTHERN NORWAY. MD 2.3 (BER).
28	19 26	05.77	7.09	N	72.16	W	33	N	1.2	4	SUMBA ISLAND REGION
28	19 43	40.7	14.894	N	60.128	W	52		1.0	51	NORTHERN COLOMBIA
											WINDWARD ISLANDS. MD 4.7 (TRN). Felt (III) on
											Martinique.
28	19 46	42.1%	40.504	N	26.394	E	10	G	0.4	7	TURKEY. MD 2.9 (ISK).
28	20 04	50.07	24.65	N	94.36	E	142	?	0.1	9	BURMA-INDIA BORDER REGION
28	20 20	03.5	42.883	N	0.165	E	20		0.5	16	PYRENEES. ML 3.1 (LDG). Felt (I) in the Bigorre area,
											France.
28	20 37	14.5%	36.568	N	121.207	W	1			14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
28	22 08	42.4%	40.510	N	26.397	E	10	G	0.9	5	TURKEY. MD 2.8 (ISK).
28	23 21	53.07	17.84	N	67.27	W	33	N	0.6	5	MONA PASSAGE
28	23 28	22.4%	66.135	N	149.099	W	6			13	ALASKA. <AEIC> ML 2.6 (AEIC).
28	23 57	20.9	38.275	N	30.626	E	10	G	0.7	19	TURKEY. MD 3.8 (ISK)
29	00 04	22.37	42.85	N	12.10	E	5	G	0.6	4	CENTRAL ITALY
29	00 55	23.6	41.607	N	141.995	E	73	4.5	1.2	66	HOKKAIDO, JAPAN REGION
29	02 39	10.3	33.301	S	68.726	W	10	G	0.3	6	MENDOZA PROVINCE, ARGENTINA
29	02 47	50.1%	60.433	N	153.060	W	169			32	SOUTHERN ALASKA. <AEIC>.
29	02 52	19.37	40.19	N	19.60	E	10	G	1.4	7	ALBANIA
29	02 55	57.7	37.557	N	29.979	E	10	G	0.6	6	TURKEY. MD 3.4 (ISK).
29	03 43	57.1	44.653	N	11.257	E	33	N	0.8	11	NORTHERN ITALY. ML 2.4 (KBA).
29	03 55	04.6%	25.007	N	122.516	E	10	G	1.2	8	TAIWAN REGION
29	04 52	02.0%	37.578	N	71.433	E	33	N	0.8	10	AFGHANISTAN-USSR BORDER REGION
29	05 01	36.7%	6.589	S	151.461	E	10	G	1.3	21	NEW BRITAIN REGION
29	07 10	09.8	5.570	N	126.794	E	66	*	1.2	66	MINDANAO, PHILIPPINE ISLANDS
29	09 18	19.4	49.152	N	6.923	E	10		1.3	12	GERMANY. MD 2.8 (STR).
29	09 55	54.3	28.729	N	98.466	E	33	N	0.5	7	BURMA-CHINA BORDER REGION
29	10 39	05.57	17.58	N	78.37	W	10	G	0.5	4	JAMAICA REGION. MD 3.4 (HOJ).
29	11 02	10.9	39.660	N	118.460	E	13	4.6	1.1	21	NORTHEASTERN CHINA. ML 4.6 (BJI).
29	11 17	33.0	68.249	N	148.668	W	10	G	0.6	18	ALASKA. ML 3.6 (AEIC), 3.2 (PMR).
29	11 59	12.4%	47.739	N	114.751	W	5	G	0.7	10	MONTANA. ML 3.0 (BUT). Felt (III) at Hot Springs.
29	12 04	44.2%	42.763	N	19.184	E	10	G	0.5	8	YUGOSLAVIA. ML 1.6 (TTG).
29	12 40	43.37	6.99	S	146.42	E	62	?	1.4	5	EAST PAPUA NEW GUINEA REGION
29	13 07	38.6	52.222	N	169.560	W	33	N	1.1	108	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.1 (PMR).
29	13 22	12.77	41.13	N	28.47	E	10	G	0.9	4	TURKEY. MD 2.6 (ISK).
29	13 29	55.1	52.985	N	169.251	W	72	D	1.4	68	FOX ISLANDS, ALEUTIAN ISLANDS
29	13 35	00.0%	40.522	N	26.401	E	10	G	0.5	7	TURKEY. MD 2.9 (ISK).
29	14 53	09.47	40.35	N	78.99	E	33	N	1.1	6	SOUTHERN XINJIANG, CHINA
29	15 15	18.2%	35.846	N	53.163	E	33	N	1.2	12	IRAN. Felt in the Firuzkuh area.
29	17 35	16.9%	18.322	S	167.647	E	22	*	1.4	13	VANUATU ISLANDS
29	17 36	23.3%	46.291	N	1.851	E	12		0.5	11	FRANCE. ML 2.2 (LDG).
29	17 36	39.77	0.81	S	131.67	E	33	N	1.1	6	WEST IRAN REGION
29	17 37	09.3	24.091	S	66.636	W	196		1.3	36	SALTA PROVINCE, ARGENTINA
29	18 14	26.5	3.245	S	98.380	E	26	D	1.0	68	SOUTHWEST OF SUMATERA
29	18 59	58.2	22.256	S	138.794	W	0	G	0.9	171	TUAMOTU ARCHIPELAGO REGION
29	19 55	58.8%	43.613	N	11.025	E	10	G	0.8	6	CENTRAL ITALY
29	20 24	14.2%	45.046	N	8.313	E	10	G	0.4	8	NORTHERN ITALY. ML 2.6 (LDG).
29	20 24	40.4	45.016	N	8.213	E	10	G	0.9	93	NORTHERN ITALY. ML 3.8 (GEN), 3.7 (LDG). MD 4.1 (TRI).
29	20 30	21.2	45.009	N	8.184	E	11		0.6	68	NORTHERN ITALY. ML 3.1 (LDG), 3.0 (GEN). MD 3.0 (STR).
29	20 41	11.9	45.044	N	8.182	E	10	G	0.6	18	NORTHERN ITALY. ML 2.4 (GEN), 2.0 (LDG).
29	21 11	50.9%	46.426	N	3.496	E	10	G	0.4	7	FRANCE. ML 1.6 (LDG).
29	21 16	24.4	45.014	N	8.214	E	10	G	0.6	26	NORTHERN ITALY. ML 2.5 (GEN), 2.4 (LDG).
29	22 24	09.3%	39.253	N	21.610	E	10	G	1.4	7	GREECE
29	23 06	56.5	39.608	N	118.384	E	24	4.9	1.1	42	NORTHEASTERN CHINA. ML 4.9 (BJI).
29	23 09	29.9	27.056	N	53.633	E	40	*	0.9	65	SOUTHERN IRAN
29	23 25	06.9%	35.713	N	139.496	E	79	4.5	1.0	15	NEAR S. COAST OF HONSHU, JAPAN
29	23 48	37.0%	59.834	N	153.730	W	149			40	SOUTHERN ALASKA. <AEIC>.
29	23 52	17.47	26.75	N	54.06	E	33	N	1.2	6	SOUTHERN IRAN
29	23 52	24.4%	3.771	S	75.461	W	53	?	0.5	10	NORTHERN PERU
30	00 12	31.8	43.173	N	11.007	E	11		0.9	47	CENTRAL ITALY. ML 3.1 (LDG), 2.7 (GEN).
30	00 17	56.7%	49.323	N	6.815	E	10	G	0.9	9	GERMANY. MD 2.6 (STR).
30	00 34	22.4%	31.442	S	68.782	W	115	?	0.9	7	SAN JUAN PROVINCE, ARGENTINA
30	00 36	52.9%	19.935	N	46.046	W	10	G	0.7	12	NORTH ATLANTIC RIDGE
30	01 11	24.4%	46.009	N	2.928	E	10	G	0.2	6	FRANCE. ML 1.6 (LDG).
30	02 02	48.8	44.543	N	7.294	E	9		0.5	28	NORTHERN ITALY. ML 2.8 (LDG), 2.6 (GEN).
30	02 54	06.37	41.37	N	23.66	E	10	G	0.8	6	GREECE-BULGARIA BORDER REGION
30	04 26	13.7%	42.990	N	18.670	E	10	G	0.2	6	YUGOSLAVIA. ML 1.8 (TTG).
30	04 29	03.67	42.99	N	18.67	E	10	G	0.1	4	YUGOSLAVIA. ML 1.3 (TTG).
30	04 37	26.4%	58.176	N	142.981	W	10	G		16	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).
30	09 00	25.0%	40.572	N	23.028	E	10	G	0.3	6	GREECE
30	09 01	52.37	43.03	N	0.69	W	10	G	0.6	4	PYRENEES. MD 1.0 (STR).
a 30	09 06	22.2	23.531	S	67.907	W	120	D	0.8	137	CHILE-ARGENTINA BORDER REGION. Felt (IV) in the Taital
											area, Chile.
30	09 15	25.0	46.361	N	1.869	E	15		0.9	13	FRANCE. ML 3.1 (LDG).
30	09 19	18.27	46.38	N	1.84	E	10	G	0.5	4	FRANCE. ML 1.8 (LDG).
30	09 34	43.27	11.20	S	32.62	E	10	G	1.5	7	ZAMBIA
30	09 39	44.5%	39.489	N	29.977	E	10	G	0.4	5	TURKEY. MD 3.0 (ISK).
30	11 06	22.67	0.47	S	78.72	W	10	G	0.2	4	ECUADOR
30	11 50	57.1%	47.738	N	9.610	E	10	G	0.5	8	GERMANY. ML 2.9 (LDG), 2.5 (VIE). MD 2.9 (STR).
30	11 55	53.07	41.85	N	22.33	E	10	G	0.5	6	YUGOSLAVIA. ML 2.2 (SKO).
30	11 59	53.57	39.86	N	26.26	E	10	G	0.7	4	TURKEY
30	12 40	34.7%	46.344	N	1.846	E	10		0.7	10	FRANCE. ML 2.2 (LDG).
30	13 00	44.7%	16.593	N	94.225	W	160	*	1.2	13	OAXACA, MEXICO. Felt in the Tehuantepec-Ixhuatan area.
30	13 08	48.5%	45.008	N	8.204	E	10	G	0.4	9	NORTHERN ITALY. ML 2.5 (GEN).
30	13 13	49.7%	2.934	S	147.795	E	33	N	0.9	12	ADMIRALTY ISLANDS REGION
f 30	13 17	41.9	54.567	N	161.606	W	28	G	1.1	584	ALASKA PENINSULA. Ms 6.8 (BRK). Ma=1.8*10**19 Nm (PPT).
											Felt (V) at Cold Bay, King Cove and Sand Point; (IV) at
											False Pass and Perryville; (III) at Chignik Lagoon.

	30	13	22	30.5*	54.572 N	161.827 W	33 N	5.6	0.8	19	ALASKA PENINSULA.	
	30	15	08	21.2*	30.653 S	70.044 W	149 ?		0.6	10	CHILE-ARGENTINA BORDER REGION	
	30	15	08	59.0	46.366 N	1.884 E	12		0.9	18	FRANCE. ML 3.0 (LDG). MD 2.6 (STR).	
	30	15	18	23.6%	18.348 N	66.890 W	33 N		1.1	7	PUERTO RICO REGION	
	30	15	40	35.8*	40.440 N	27.966 E	10 G		0.7	10	TURKEY. MD 2.6 (ISK).	
	30	15	44	19.2	54.294 N	161.298 W	33 N	4.9	1.2	131	ALASKA PENINSULA. ML 5.0 (PMR).	
	30	15	44	41.0%	54.600 N	161.600 W	33 N	5.1		5	ALASKA PENINSULA. <SPEC>. Held to mainshock location.	
	30	15	48	56.6%	44.770 N	7.188 E	5 G		0.3	6	NORTHERN ITALY. ML 1.8 (GEN).	
	30	15	56	04.2%	54.060 N	161.547 W	25			3	ALASKA PENINSULA. <PAL>. MD 3.3 (PAL).	
	30	16	36	41.3%	53.949 N	161.645 W	25			1	SOUTH OF ALASKA. <PAL>. MD 3.0 (PAL).	
	30	16	54	10.7%	54.226 N	161.672 W	83			1	ALASKA PENINSULA. <PAL>. MD 3.1 (PAL).	
	30	17	32	17.5?	54.16 N	161.10 W	33 N	4.1	1.2	10	ALASKA PENINSULA. ML 4.5 (PMR).	
	30	18	09	00.3%	43.027 N	19.301 E	10 G		0.5	9	YUGOSLAVIA. ML 2.0 (TTG).	
	30	18	28	34.9%	24.850 N	127.686 E	39 D	4.6	1.1	28	RUKUYU ISLANDS REGION	
	30	18	47	12.7*	45.016 N	115.938 W	5 G		0.6	11	WESTERN IDAHO. ML 2.8 (BUT).	
	30	19	10	36.7	38.358 N	21.789 E	10 G		1.0	6	GREECE. ML 3.2 (ATH).	
	30	19	18	13.1	15.229 S	172.808 W	33 N	5.3	5.4	64	SAMOA ISLANDS REGION	
	30	20	10	37.8	39.250 N	2.335 W	5 G		0.7	16	SPAIN. mbLg 3.8 (MDD).	
	30	20	37	36.6	45.608 N	3.467 E	10 G		0.8	19	FRANCE. ML 2.8 (LDG). MD 2.6 (STR).	
	30	20	38	57.3?	39.81 N	29.36 E	10 G		0.5	7	TURKEY. MD 2.9 (ISK).	
	30	20	54	38.1	45.573 N	3.671 E	5 G		0.3	12	FRANCE. ML 2.2 (LDG). MD 2.2 (STR).	
	30	21	35	39.7	24.086 N	122.872 E	42	4.9	4.0	1.1	58	TAIWAN REGION
	30	21	48	32.0%	60.865 N	147.359 W	20				47	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
	30	22	07	44.0%	39.200 N	99.400 W	5 G				11	KANSAS. <MACRO>. mbLg 3.5 (TUL). Felt (IV) at Zurich. Also felt at Polco and Plainville.
	30	22	15	45.5	49.109 N	6.930 E	5 G		0.6	9	GERMANY. MD 2.1 (STR).	
	30	22	16	54.0*	42.992 N	18.677 E	10 G		0.3	6	YUGOSLAVIA. ML 3.0 (THE).	
	30	22	32	41.1*	60.847 N	167.367 E	33 N	4.3	0.9	14	EASTERN SIBERIA	
	30	23	20	26.9*	30.912 S	68.408 W	10 G		1.2	5	SAN JUAN PROVINCE, ARGENTINA	
	30	23	53	26.3?	40.76 N	15.74 E	10 G		1.3	4	SOUTHERN ITALY	
	30	23	55	04.0%	54.123 N	161.439 W	25	4.1		6	ALASKA PENINSULA. <PAL>. MD 3.5 (PAL).	
	31	00	33	51.8*	45.315 N	151.225 E	33 N	4.1	0.9	9	KURL ISLANDS	
	31	00	41	21.2	10.175 N	126.204 E	33 N	4.6	4.1	1.1	29	PHILIPPINE ISLANDS REGION
	31	01	00	35.6?	10.11 N	126.09 E	33 N	4.4	1.4	9	PHILIPPINE ISLANDS REGION	
	31	01	28	30.7	46.121 N	153.213 E	33 N	5.0	4.3	1.0	96	KURL ISLANDS
	31	01	51	11.7%	39.991 N	28.970 E	10 G		0.2	7	TURKEY. MD 2.9 (ISK).	
	31	02	02	17.6%	38.541 N	26.633 E	10 G		0.5	6	AEGEAN SEA. MD 3.1 (ISK).	
	31	02	39	11.1	44.505 N	10.979 E	12		0.9	35	NORTHERN ITALY. MD 3.3 (TRI). ML 3.1 (LDG).	
	31	02	50	47.9	45.275 N	6.860 E	5 G		0.7	28	FRANCE. ML 2.8 (LDG), 2.7 (GEN	

ADDITIONAL SOURCE PARAMETERS

01 00 59 50.10 13.967S 170.671E 26km
4.9mb (13 obs.) 5.0Msz (2 obs.)
VANUATU ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 00:59:51.7 2.1
Lat 14.10S 0.19 Lon 170.49E 0.07
Dep 20.9 8.5 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.58 Plg=22 Azm=138
N -0.47 66 344
P -1.12 10 232
Best Double Couple:Mo=1.4*10**17
NP1:Strike=277 Dip=67 Slip= 9
NP2: 184 81 157

01 04 32 05.65 6.610S 154.912E 77km
5.3mb (27 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 33C
Centroid Location:
Origin Time 04:32: 7.3 1.1
Lat 6.78S 0.11 Lon 154.87E 0.06
Dep 33.1 4.8 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.98 Plg=63 Azm= 30
N -0.09 5 130
P -1.89 26 223
Best Double Couple:Mo=1.9*10**17
NP1:Strike=325 Dip=20 Slip= 106
NP2: 129 71 84

01 07 18 43.91 62.476N 151.413W 114km
6.1mb (108 obs.)
CENTRAL ALASKA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 65 Dip=66 Slip= 90
NP2: 245 24 90
Principal Axes:
T Plg=69 Azm=335
P 21 155
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 18 Focal mech. C
Energy 4.1±1.0*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 108 Na. of sta: 16
Principal Axes:
Scale 10**18 Nm
T Val= 3.04 Plg=76 Azm=332
N -0.10 3 75
P -2.94 13 165
Best Double Couple:Mo=3.0*10**18
NP1:Strike=260 Dip=32 Slip= 96
NP2: 73 58 86
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 56C M.W.: 15S, 30C
Centroid Location:
Origin Time 07:18:46.9 0.1
Lat 62.47N 0.02 Lon 151.42W 0.03
Dep 118.2 0.8 Half-duration 5.2
Principal Axes:
Scale 10**18 Nm
T Val= 3.21 Plg=69 Azm=338
N -0.32 1 70
P -2.90 21 160
Best Double Couple:Mo=3.0*10**18
NP1:Strike=252 Dip=24 Slip= 92
NP2: 70 66 89

02 02 23 39.28 21.724S 173.901W 33km
5.1mb (15 obs.) 5.3Msz (12 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centroid Location:
Origin Time 02:23:41.3 1.1
Lat 21.83S 0.13 Lon 173.79W 0.09
Dep 26.7 5.7 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.64 Plg=64 Azm=300
N 0.10 1 207
P -1.74 26 116
Best Double Couple:Mo=1.7*10**17
NP1:Strike=203 Dip=19 Slip= 86
NP2: 27 71 91

02 07 01 57.24 9.392N 77.281W 36km
5.7mb (69 obs.) 5.3Msz (19 obs.)
NEAR NORTH COAST OF COLOMBIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=175 Dip=77 Slip= 160
NP2: 270 71 14
Principal Axes:
T Plg=23 Azm=131
P 4 223
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 38 No. of sta: 6
Principal Axes:
Scale 10**18 Nm
T Val= 1.23 Plg= 8 Azm=149
N 0.00 54 250
P -1.22 35 53
Best Double Couple:Mo=1.2*10**18
NP1:Strike=197 Dip=60 Slip=-159
NP2: 96 72 -32
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 56C
Centroid Location:
Origin Time 07:01:59.0 0.7
Lat 9.19N 0.07 Lon 77.24W 0.04
Dep 45.7 4.0 Half-duration 3.3
Principal Axes:
Scale 10**17 Nm
T Val= 8.03 Plg= 9 Azm=129
N 0.00 75 256
P -8.03 11 37
Best Double Couple:Mo=8.0*10**17
NP1:Strike=173 Dip=75 Slip=-178
NP2: 83 88 -15

02 16 58 26.15 21.849S 175.194E 33km
4.6mb (8 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 20C
Centroid Location:
Origin Time 16:58:39.4 3.9
Lat 21.22S 0.34 Lon 175.15E 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.83 Plg= 7 Azm=242
N -2.09 73 354
P -4.75 15 150
Best Double Couple:Mo=5.8*10**16
NP1:Strike=287 Dip=74 Slip=-174
NP2: 195 84 -16

03 02 14 14.43 28.080N 139.585E 433km
6.0mb (114 obs.)
BONIN ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=355 Dip=80 Slip=-90
NP2: 175 10 -90
Principal Axes:
T Plg=35 Azm= 85
P 55 265
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 10 Focal mech. M
Energy 5.2±1.6*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 445 Na. of sta: 15

Principal Axes:
Scale 10**19 Nm
T Val= 1.12 Plg=33 Azm= 66
N 0.00 6 160
P -1.12 56 259
Best Double Couple:Mo=1.1*10**19
NP1:Strike=132 Dip=13 Slip=-119
NP2: 341 79 -84
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 66C M.W.: 13S, 17C
Centroid Location:
Origin Time 02:14:23.2 0.1
Lat 28.14N 0.01 Lon 139.65E 0.01
Dep 453.4 0.6 Half-duration 4.6
Principal Axes:
Scale 10**19 Nm
T Val= 1.33 Plg=27 Azm= 50
N 0.03 15 147
P -1.36 58 263
Best Double Couple:Mo=1.3*10**19
NP1:Strike=107 Dip=22 Slip=-133
NP2: 332 74 -75

03 20 19 38.86 42.683N 43.247E 10km
5.3mb (60 obs.) 5.2Msz (20 obs.)
WESTERN CAUCASUS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 31C
Centroid Location:
Origin Time 20:19:41.2 1.1
Lat 42.54N 0.09 Lon 42.94E 0.10
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.53 Plg=64 Azm=299
N -0.86 26 108
P -2.68 4 200
Best Double Couple:Mo=3.1*10**17
NP1:Strike=315 Dip=47 Slip= 127
NP2: 87 55 57

03 23 56 58.27 29.811N 42.721W 10km
5.1mb (38 obs.) 5.1Msz (10 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 23:57: 5.5 0.7
Lat 29.42N 0.11 Lon 41.81W 0.17
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.19 Plg= 0 Azm=268
N -0.16 0 178
P -1.03 90 180
Best Double Couple:Mo=1.1*10**17
NP1:Strike=358 Dip=45 Slip=-90
NP2: 178 45 -90

04 03 42 54.53 9.542N 82.418W 10km
5.6mb (64 obs.) 6.2Msz (34 obs.)
PANAMA-COSTA RICA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 58C
Centroid Location:
Origin Time 03:43: 2.7 0.5
Lat 9.88N 0.04 Lon 82.34W 0.03
Dep 15.0 FIX Half-duration 4.7
Principal Axes:
Scale 10**18 Nm
T Val= 2.08 Plg=65 Azm=203
N 0.05 5 304
P -2.13 25 37
Best Double Couple:Mo=2.1*10**18
NP1:Strike=138 Dip=21 Slip= 105
NP2: 302 70 84

04 14 31 29.96 27.148N 140.074E 431km
5.2mb (63 obs.)
BONIN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 49C
Centroid Location:
Origin Time 14:31:32.1 0.6
Lat 27.17N 0.08 Lon 140.08E 0.04

Dep 420.9 2.3 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.80 Plg= 3 Azm=246
N -0.11 35 154
P -3.69 55 340
Best Double Couple:Ma=3.8*10**17
NP1:Strike= 7 Dip=52 Slip= -44
NP2: 127 57 -133

04 21 28 14.52 13.717N 144.981E 116km
5.3mb (49 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 30C
Centroid Location:
Origin Time 21:28:19.5 1.0
Lat 13.95N 0.12 Lon 145.15E 0.06
Dep 112.5 4.8 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.30 Plg=48 Azm=323
N -0.40 24 82
P -1.91 33 188
Best Double Couple:Ma=2.1*10**17
NP1:Strike=331 Dip=25 Slip= 161
NP2: 78 82 66

05 22 15 47.97 53.527N 169.857E 28km
5.0mb (49 obs.) 4.5Msz (10 obs.)
KOMANDORSKY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centroid Location:
Origin Time 22:15:49.7 1.0
Lat 53.94N 0.10 Lon 169.85E 0.16
Dep 27.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.65 Plg=54 Azm=357
N 2.17 5 95
P -10.82 35 188
Best Double Couple:Ma=9.7*10**16
NP1:Strike=303 Dip=11 Slip= 119
NP2: 94 81 85

06 00 10 23.42 10.373N 125.328E 25km
5.1mb (29 obs.) 5.2Msz (7 obs.)
LEYTE, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 35C
Centroid Location:
Origin Time 00:10:25.3 0.4
Lat 10.31N 0.05 Lon 125.23E 0.07
Dep 28.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 4.29 Plg=20 Azm=351
N -1.35 66 133
P -2.95 14 256
Best Double Couple:Ma=3.6*10**17
NP1:Strike= 32 Dip=66 Slip= 176
NP2: 124 86 24

06 22 50 45.37 20.871S 177.868W 497km
5.5mb (55 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 22:50:55.5 0.5
Lat 20.33S 0.07 Lon 177.91W 0.04
Dep 507.6 2.6 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.74 Plg=21 Azm= 96
N -0.22 15 192
P -2.52 64 316
Best Double Couple:Ma=2.6*10**17
NP1:Strike=161 Dip=28 Slip=-124
NP2: 19 67 -73

07 13 09 28.75 39.430N 144.714E 10km
6.4mb (102 obs.) 5.8Msz (35 obs.)
OFF EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=171 Dip=64 Slip=-160
NP2: 72 72 -27
Principal Axes:

T Plg= 5 Azm=123
P 32 30
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 Facal mech. F
Energy 2.7±0.9*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 27 Na. of sta: 15
Principal Axes:
Scale 10**18 Nm
T Val= 1.68 Plg= 5 Azm= 63
N 0.02 23 331
P -1.70 66 164
Best Double Couple:Ma=1.7*10**18
NP1:Strike=176 Dip=45 Slip= -57
NP2: 313 54 -119
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 46C
Centroid Location:
Origin Time 13:09:32.3 0.3
Lat 39.50N 0.04 Lon 144.51E 0.04
Dep 15.0 BDY Half-duration 3.7
Principal Axes:
Scale 10**18 Nm
T Val= 0.84 Plg= 3 Azm=262
N 0.56 7 172
P -1.40 83 15
Best Double Couple:Ma=1.1*10**18
NP1:Strike=359 Dip=42 Slip= -80
NP2: 166 48 -99

08 18 00 27.51 10.352N 125.325E 26km
5.3mb (35 obs.) 5.0Msz (12 obs.)
LEYTE, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 18:00:31.1 0.8
Lat 10.59N 0.09 Lon 125.39E 0.08
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.07 Plg= 3 Azm=183
N -0.38 71 283
P -1.69 18 92
Best Double Couple:Ma=1.9*10**17
NP1:Strike=229 Dip=75 Slip=-169
NP2: 136 79 -15

08 19 53 21.67 13.875S 74.458W 107km
5.6mb (75 obs.)
PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 19:53:25.6 0.5
Lat 13.94S 0.05 Lon 74.31W 0.10
Dep 121.8 2.3 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.67 Plg= 5 Azm= 34
N -0.49 4 124
P -2.18 83 254
Best Double Couple:Ma=2.4*10**17
NP1:Strike=119 Dip=40 Slip= -97
NP2: 308 50 -84

10 13 33 52.32 16.114S 174.147W 115km
5.8mb (50 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 5 Dip=71 Slip= -42
NP2: 111 51 -155
Principal Axes:
T Plg=13 Azm= 62
P 43 321
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
RADIATED ENERGY

No. of sta: 5 Facal mech. M
Energy 1.4±0.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 133 Na. of sta: 9
Principal Axes:
Scale 10**18 Nm
T Val= 3.11 Plg=20 Azm= 70
N 0.10 31 173
P -3.21 52 313
Best Double Couple:Ma=3.2*10**18
NP1:Strike=121 Dip=37 Slip=-148
NP2: 4 72 -57
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 47C
Centroid Location:
Origin Time 13:34: 4.7 0.3
Lat 15.94S 0.03 Lon 173.93W 0.03
Dep 130.7 1.0 Half-duration 5.0
Principal Axes:
Scale 10**18 Nm
T Val= 2.60 Plg=31 Azm= 94
N -0.05 4 2
P -2.54 58 267
Best Double Couple:Ma=2.6*10**18
NP1:Strike=197 Dip=14 Slip= -75
NP2: 1 77 -94

11 02 15 24.00 24.249N 93.705E 63km
4.9mb (57 obs.)
BURMA-INDIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 02:15:22.8 0.9
Lat 23.42N 0.09 Lon 93.25E 0.07
Dep 73.6 4.6 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.42 Plg=16 Azm=116
N 0.02 74 285
P -1.44 3 25
Best Double Couple:Ma=1.4*10**17
NP1:Strike=159 Dip=77 Slip= 171
NP2: 251 81 13

11 08 04 43.90 22.061S 67.180W 194km
5.3mb (30 obs.)
CHILE-BOLIVIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 28C
Centroid Location:
Origin Time 08:04:56.4 0.5
Lat 21.22S 0.05 Lon 67.35W 0.06
Dep 199.0 2.0 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.21 Plg=44 Azm=109
N 0.13 15 4
P -2.34 43 260
Best Double Couple:Ma=2.3*10**17
NP1:Strike=276 Dip=15 Slip= 1
NP2: 184 90 105

11 15 26 29.74 12.413N 47.516E 17km
5.2mb (54 obs.) 4.8Msz (13 obs.)
EASTERN GULF OF ADEN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 28C
Centroid Location:
Origin Time 15:26:34.4 0.9
Lat 12.84N 0.08 Lon 47.48E 0.06
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.56 Plg= 0 Azm=174
N -0.31 79 84
P -1.25 11 264
Best Double Couple:Ma=1.4*10**17
NP1:Strike=308 Dip=82 Slip= -8
NP2: 40 82 -172

12 12 27 55.30 21.718S 174.034W 34km
5.6mb (28 obs.) 5.3Msz (15 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 12:27:53.4 0.9

Lat 21.76S 0.12 Lon 173.29W 0.09
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.56 Plg=64 Azm=334
N 0.01 10 223
P -1.57 24 129
Best Double Couple: Mo=1.6*10**17
NP1: Strike=199 Dip=23 Slip= 64
NP2: 47 70 100

12 16 12 37.10 12.279N 47.487E 10km
5.3mb (36 obs.) 4.8Msz (8 obs.)
EASTERN GULF OF ADEN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 16:12:42.2 1.9
Lat 12.67N 0.15 Lon 47.07E 0.07
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.39 Plg= 0 Azm=185
N -0.85 0 95
P -1.54 90 180
Best Double Couple: Mo=2.0*10**17
NP1: Strike=275 Dip=45 Slip= -90
NP2: 95 45 -90

13 03 41 15.75 1.443N 123.496E 32km
5.1mb (13 obs.) 4.6Msz (2 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 03:41:16.0 1.0
Lat 1.42N 0.12 Lon 123.62E 0.14
Dep 33.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 11.10 Plg=54 Azm=193
N -3.21 2 286
P -7.89 36 18
Best Double Couple: Mo=9.5*10**16
NP1: Strike=122 Dip= 9 Slip= 106
NP2: 286 81 88

13 16 28 15.44 3.463S 82.824E 22km
5.9mb (89 obs.) 5.4Msz (30 obs.)
SOUTH INDIAN OCEAN
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 5.6±1.3*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 26 No. of sta: 8
Principal Axes:
Scale 10**18 Nm
T Val= 1.13 Plg=62 Azm=119
N -0.01 27 284
P -1.12 6 17
Best Double Couple: Mo=1.1*10**18
NP1: Strike=134 Dip=46 Slip= 129
NP2: 264 56 57
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 51C
Centroid Location:
Origin Time 16:28:17.8 0.6
Lat 3.72S 0.05 Lon 82.35E 0.04
Dep 25.0 BDY Half-duration 3.7
Principal Axes:
Scale 10**17 Nm
T Val= 9.43 Plg=51 Azm=224
N 1.54 24 100
P -10.96 28 356
Best Double Couple: Mo=1.0*10**18
NP1: Strike= 41 Dip=27 Slip= 28
NP2: 286 78 115

17 02 31 25.70 4.390S 142.715E 59km
5.8mb (39 obs.)
PAPUA NEW GUINEA
FAULT PLANE SOLUTION: P-Waves
NP1: Strike= 55 Dip=74 Slip= 23
NP2: 318 68 163
Principal Axes:
T Plg=27 Azm=278
P 4 186
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip

faulting with a moderate reverse component. The preferred fault plane is not determined.

RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 5.5±1.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 56 No. of sta: 7
Principal Axes:
Scale 10**18 Nm
T Val= 3.26 Plg=14 Azm=287
N -0.04 72 66
P -3.22 11 194
Best Double Couple: Mo=3.2*10**18
NP1: Strike=330 Dip=72 Slip= 178
NP2: 61 88 18
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 52C M.W.: 10S, 18C
Centroid Location:
Origin Time 02:31:36.1 0.2
Lat 3.95S 0.02 Lon 142.87E 0.02
Dep 75.0 0.8 Half-duration 5.7
Principal Axes:
Scale 10**18 Nm
T Val= 3.60 Plg=16 Azm=285
N 0.41 69 65
P -4.01 12 191
Best Double Couple: Mo=3.8*10**18
NP1: Strike=327 Dip=69 Slip= 177
NP2: 58 87 21

17 06 37 47.01 9.941S 119.780E 21km
5.2mb (27 obs.) 4.6Msz (6 obs.)
SUMBA ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 06:37:54.2 0.8
Lat 9.55S 0.09 Lon 120.30E 0.11
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.10 Plg=48 Azm=175
N -0.28 33 39
P -1.83 23 293
Best Double Couple: Mo=2.0*10**17
NP1: Strike=339 Dip=37 Slip= 25
NP2: 228 75 124

17 22 48 58.10 55.301S 1.684W 10km
5.2mb (10 obs.) 4.7Msz (2 obs.)
BOUVET ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 22:49: 6.4 0.4
Lat 55.59S 0.12 Lon 1.84W 0.13
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.43 Plg=19 Azm= 96
N -0.33 7 188
P -1.11 69 298
Best Double Couple: Mo=1.3*10**17
NP1: Strike=173 Dip=26 Slip= -107
NP2: 12 65 -82

18 06 57 27.02 39.972S 74.786W 21km
5.3mb (20 obs.) 4.5Msz (2 obs.)
OFF COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 06:57:29.4 0.7
Lat 40.59S 0.09 Lon 75.45W 0.12
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.74 Plg= 3 Azm=113
N -0.21 52 18
P -1.53 38 206
Best Double Couple: Mo=1.6*10**17
NP1: Strike=242 Dip=61 Slip= -27
NP2: 346 67 -149

18 21 54 28.12 3.598S 128.390E 114km
5.2mb (26 obs.)
CERAM

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centroid Location:
Origin Time 21:54:29.3 1.0
Lat 3.26S 0.18 Lon 127.79E 0.20
Dep 78.3 9.5 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.14 Plg=54 Azm=172
N 0.69 26 40
P -5.84 23 298
Best Double Couple: Mo=5.5*10**16
NP1: Strike=349 Dip=32 Slip= 34
NP2: 229 73 117

19 00 58 01.73 1.156N 122.957E 33km
6.0mb (58 obs.) 6.8Msz (34 obs.)
MINAHASSA PENINSULA
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=250 Dip=85 Slip= 142
NP2: 344 52 6
Principal Axes:
T Plg=30 Azm=200
P 22 303
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: 10 Focal mech. F
Energy 1.2±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 37 No. of sta: 11
Principal Axes:
Scale 10**19 Nm
T Val= 3.19 Plg=56 Azm=183
N -0.06 18 65
P -3.13 28 325
Best Double Couple: Mo=3.2*10**19
NP1: Strike= 17 Dip=23 Slip= 40
NP2: 250 75 108
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 57C M.W.: 16S, 41C
Centroid Location:
Origin Time 00:58:13.0 0.1
Lat 1.57N 0.01 Lon 123.21E 0.02
Dep 32.6 0.7 Half-duration 11.0
Principal Axes:
Scale 10**19 Nm
T Val= 2.48 Plg=67 Azm=215
N 0.00 7 108
P -2.48 22 15
Best Double Couple: Mo=2.5*10**19
NP1: Strike= 92 Dip=24 Slip= 72
NP2: 291 67 98

20 09 50 28.04 18.038S 178.457W 580km
5.4mb (69 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 34C
Centroid Location:
Origin Time 09:50:37.1 0.7
Lat 17.69S 0.08 Lon 178.63W 0.05
Dep 599.5 4.0 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.77 Plg=31 Azm= 23
N 0.22 42 146
P -1.99 32 271
Best Double Couple: Mo=1.9*10**17
NP1: Strike= 58 Dip=42 Slip= -179
NP2: 327 89 -48

21 11 00 19.08 7.517S 126.539E 18km
6.2mb (58 obs.) 6.3Msz (26 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=275 Dip=68 Slip= 90
NP2: 95 22 90
Principal Axes:
T Plg=67 Azm=185
P 23 5
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. F
 Energy 1.9±0.4*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 22S, 62C M.W.: 15S, 35C
 Centroid Location:
 Origin Time 11:00:25.5 0.1
 Lat 7 27S 0.01 Lon 126.55E 0.01
 Dep 35.3 0.7 Half-duration 7.8
 Principal Axes:
 Scale 10**18 Nm
 T Vol= 8.10 Plg=71 Azm=230
 N 1.19 14 95
 P -9.29 13 2
 Best Double Couple:Mo=8.7*10**18
 NP1:Strike=74 Dip=34 Slip= 65
 NP2: 283 59 106

22 06 53 05.92 33.802S 179.604W 45km
 5.4mb (19 obs.) 5.1Msz (5 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 18S, 41C
 Centroid Location:
 Origin Time 06:53:9.8 0.5
 Lat 33.53S 0.07 Lon 179.00W 0.07
 Dep 15.0 FIX Half-duration 2.2
 Principal Axes:
 Scale 10**17 Nm
 T Vol= 1.42 Plg=74 Azm=241
 N 0.20 7 357
 P -1.63 14 89
 Best Double Couple:Mo=1.5*10**17
 NP1:Strike=189 Dip=31 Slip= 104
 NP2: 353 60 82

22 16 29 02.36 27.406N 55.787E 25km
 5.7mb (87 obs.) 5.0Msz (26 obs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 35C
 Centroid Location:
 Origin Time 16:29:8.7 0.7
 Lat 27.04N 0.07 Lon 55.43E 0.07
 Dep 15.0 FIX Half-duration 1.8
 Principal Axes:
 Scale 10**17 Nm
 T Vol= 1.35 Plg=72 Azm=293
 N -0.30 18 115
 P -1.04 0 25
 Best Double Couple:Mo=1.2*10**17
 NP1:Strike=98 Dip=47 Slip= 66
 NP2: 311 48 114

22 21 05 22.53 51.770N 175.883E 33km
 5.5mb (94 obs.) 4.9Msz (24 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 37C
 Centroid Location:
 Origin Time 21:05:23.4 0.5
 Lat 52.15N 0.06 Lon 175.86E 0.11
 Dep 25.6 5.1 Half-duration 2.0
 Principal Axes:
 Scale 10**17 Nm
 T Vol= 1.68 Plg=67 Azm= 1
 N -0.09 0 92
 P -1.59 23 182
 Best Double Couple:Mo=1.6*10**17
 NP1:Strike=272 Dip=22 Slip= 90
 NP2: 92 68 90

23 06 44 21.40 14.940S 166.845E 63km
 5.4mb (29 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 12S, 22C
 Centroid Location:
 Origin Time 06:44:20.4 0.9
 Lat 15.33S 0.11 Lon 166.92E 0.10
 Dep 57.3 8.2 Half-duration 1.5
 Principal Axes:
 Scale 10**16 Nm
 T Vol= 5.11 Plg=81 Azm= 90
 N 1.82 1 185
 P -6.93 9 275
 Best Double Couple:Mo=6.0*10**16
 NP1:Strike= 6 Dip=36 Slip= 91

NP2: 185 54 89

24 18 28 34.75 60.306S 43.821W 10km
 5.5mb (17 obs.) 5.5Msz (15 obs.)
SCOTIA SEA
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 15S, 29C
 Centroid Location:
 Origin Time 18:28:41.4 0.3
 Lat 60.38S 0.03 Lon 44.39W 0.08
 Dep 15.0 FIX Half-duration 2.9
 Principal Axes:
 Scale 10**17 Nm
 T Vol= 4.80 Plg=50 Azm=299
 N 0.78 29 167
 P -5.58 25 62
 Best Double Couple:Mo=5.2*10**17
 NP1:Strike=107 Dip=33 Slip= 26
 NP2: 355 76 120

24 20 50 55.84 16.506S 70.701W 128km
 6.3mb (65 obs.)
SOUTHERN PERU
FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=320 Dip=70 Slip=-100
 NP2: 167 22 -64
 Principal Axes:
 T Plg=24 Azm= 58
 P 64 214
 Comment: The focal mechanism is moderately well controlled and corresponds to left-lateral strike-slip faulting with a small right-lateral strike-slip component. The preferred fault plane is NP1.

RADIATED ENERGY
 No. of sta: 8 Focal mech. F
 Energy 7.8±2.7*10**14 Nm
MOMENT TENSOR SOLUTION
 Dep 127 No. of sta: 14
 Principal Axes:
 Scale 10**19 Nm
 T Vol= 3.10 Plg=27 Azm= 68
 N -0.35 0 158
 P -2.75 63 249
 Best Double Couple:Mo=2.9*10**19
 NP1:Strike=156 Dip=18 Slip= -92
 NP2: 338 72 -90
 Comment:
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 23S, 69C M.W.: 17S, 38C
 Centroid Location:
 Origin Time 20:51:3.0 0.2
 Lat 16.69S 0.02 Lon 70.68W 0.03
 Dep 126.9 0.8 Half-duration 6.0
 Principal Axes:
 Scale 10**19 Nm
 T Vol= 2.03 Plg=12 Azm= 53
 N 0.18 11 146
 P -2.21 73 276
 Best Double Couple:Mo=2.1*10**19
 NP1:Strike=129 Dip=34 Slip=-110
 NP2: 333 58 -77

26 03 54 48.19 22.341S 174.264E 33km
 5.2mb (23 obs.) 5.1Msz (4 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 29C
 Centroid Location:
 Origin Time 03:54:52.8 1.1
 Lat 22.09S 0.14 Lon 174.31E 0.10
 Dep 15.0 FIX Half-duration 2.0
 Principal Axes:
 Scale 10**17 Nm
 T Vol= 1.48 Plg=49 Azm= 63
 N 0.10 20 309
 P -1.58 34 204
 Best Double Couple:Mo=1.5*10**17
 NP1:Strike=241 Dip=22 Slip= 21
 NP2: 132 82 110

26 11 16 59.11 5.869N 116.815E 18km
 5.1mb (23 obs.) 4.7Msz (6 obs.)
KALIMANTAN
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 13S, 22C
 Centroid Location:

Origin Time 11:17:3.0 1.7
 Lat 6.13N 0.08 Lon 117.20E 0.15
 Dep 15.0 FIX Half-duration 1.6
 Principal Axes:
 Scale 10**17 Nm
 T Vol= 1.35 Plg=13 Azm=107
 N 0.21 29 204
 P -1.56 58 356
 Best Double Couple:Mo=1.5*10**17
 NP1:Strike=164 Dip=41 Slip=-138
 NP2: 40 64 -57

27 06 33 02.68 10.399N 125.325E 29km
 5.3mb (31 obs.) 4.6Msz (8 obs.)
LEYTE, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 13S, 25C
 Centroid Location:
 Origin Time 06:33:4.2 0.6
 Lat 10.48N 0.05 Lon 124.99E 0.08
 Dep 55.9 6.2 Half-duration 1.9
 Principal Axes:
 Scale 10**17 Nm
 T Vol= 1.56 Plg=12 Azm=348
 N -0.33 78 176
 P -1.23 2 78
 Best Double Couple:Mo=1.4*10**17
 NP1:Strike=124 Dip=80 Slip= 8
 NP2: 32 83 170

27 17 24 18.50 20.515S 68.064E 10km
 5.2mb (14 obs.) 4.9Msz (8 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 27C
 Centroid Location:
 Origin Time 17:24:21.3 0.7
 Lat 20.25S 0.05 Lon 67.21E 0.08
 Dep 15.0 FIX Half-duration 1.6
 Principal Axes:
 Scale 10**16 Nm
 T Vol= 8.12 Plg= 0 Azm=197
 N 0.81 90 180
 P -8.93 0 107
 Best Double Couple:Mo=8.5*10**16
 NP1:Strike=242 Dip=90 Slip=-180
 NP2: 332 90 0

27 18 40 27.97 9.482N 82.694W 10km
 5.0mb (24 obs.) 5.0Msz (4 obs.)
PANAMA-COSTA RICA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 35C
 Centroid Location:
 Origin Time 18:40:36.0 0.6
 Lat 9.54N 0.06 Lon 82.64W 0.10
 Dep 15.0 FIX Half-duration 2.1
 Principal Axes:
 Scale 10**17 Nm
 T Vol= 3.91 Plg=53 Azm=219
 N -0.13 3 313
 P -3.77 36 45
 Best Double Couple:Mo=3.8*10**17
 NP1:Strike=151 Dip= 9 Slip= 108
 NP2: 312 81 87

30 09 06 22.20 23.531S 67.907W 120km
 5.3mb (43 obs.)
CHILE-ARGENTINA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 13S, 26C
 Centroid Location:
 Origin Time 09:06:29.3 0.7
 Lat 23.60S 0.09 Lon 68.34W 0.09
 Dep 155.1 2.8 Half-duration 1.6
 Principal Axes:
 Scale 10**16 Nm
 T Vol= 12.19 Plg= 9 Azm= 67
 N -3.50 32 163
 P -8.69 56 324
 Best Double Couple:Mo=1.0*10**17
 NP1:Strike=125 Dip=46 Slip=-138
 NP2: 3 61 -52

30 13 17 41.97 54.567N 161.606W 28km
 6.3mb (89 obs.) 6.7Msz (39 obs.)
ALASKA PENINSULA
FAULT PLANE SOLUTION: P-Waves
 NP1:Strike= 68 Dip=78 Slip= 90

NP2: 248 12 90

Principal Axes:

T Plg=57 Azm=338
P 33 158

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

RADIATED ENERGY

No. of sto: 17 Focal mech. F
Energy $9.4 \pm 1.4 \times 10^{13}$ Nm

MOMENT TENSOR SOLUTION

Dep 21 No. of sto: 17

Principal Axes:

Scale 10^{19} Nm

T Vol= 2.00 Plg=49 Azm=322
N -0.20 10 65
P -1.80 39 163

Best Double Couple: Mo= 1.9×10^{19}

NP1: Strike=306 Dip=12 Slip= 152

NP2: 64 85 80

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 19S, 54C M.W.: 14S, 33C

Centroid Location:

Origin Time 13:17:47.5 0.1

Lat 54.41N 0.02 Lon 161.64W 0.02

Dep 24.1 0.5 Half-duration 10.8

Principal Axes:

Scale 10^{19} Nm

T Vol= 3.07 Plg=55 Azm=311
N 0.00 4 47
P -3.07 35 140

Best Double Couple: Mo= 3.1×10^{19}

NP1: Strike=249 Dip=11 Slip= 113

NP2: 46 80 86

30 19 18 13.14 15.229S 172.808W 33km
5.3mb (21 obs.) 5.4Msz (4 obs.)

SAMOA ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 13S, 25C

Centroid Location:

Origin Time 19:18:14.5 0.8

Lat 15.37S FIX; Lon 172.91W FIX

Dep 19.110.6 Half-duration 1.7

Principal Axes:

Scale 10^{16} Nm

T Vol= 10.25 Plg=65 Azm=208
N 1.57 14 329
P -11.82 20 64

Best Double Couple: Mo= 1.1×10^{17}

NP1: Strike=177 Dip=27 Slip= 121

NP2: 323 67 75

31 05 28 02.67 6.048S 130.599E 33km

6.0mb (51 obs.) 5.0Msz (20 obs.)

BANDA SEA

FAULT PLANE SOLUTION: P-Waves

NP1: Strike=120 Dip=70 Slip= 150

NP2: 221 62 23

Principal Axes:

T Plg=35 Azm= 78
P 5 172

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

determined.

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 19S, 45C

Centroid Location:

Origin Time 05:28:11.0 0.3

Lat 5.94S 0.02 Lon 130.64E 0.03

Dep 96.5 1.6 Half-duration 3.3

Principal Axes:

Scale 10^{17} Nm

T Vol= 6.56 Plg=62 Azm= 99
N 0.17 28 267
P -6.73 5 0

Best Double Couple: Mo= 6.6×10^{17}

NP1: Strike=117 Dip=47 Slip= 130

NP2: 246 56 56

31 22 17 35.79 56.837S 140.932W 10km

5.1mb (8 obs.) 5.3Msz (1 obs.)

SOUTH PACIFIC CORDILLERA

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 17S, 35C

Centroid Location:

Origin Time 22:17:45.2 0.3

Lat 57.14S 0.05 Lon 140.79W 0.06

Dep 15.0 FIX Half-duration 2.6

Principal Axes:

Scale 10^{17} Nm

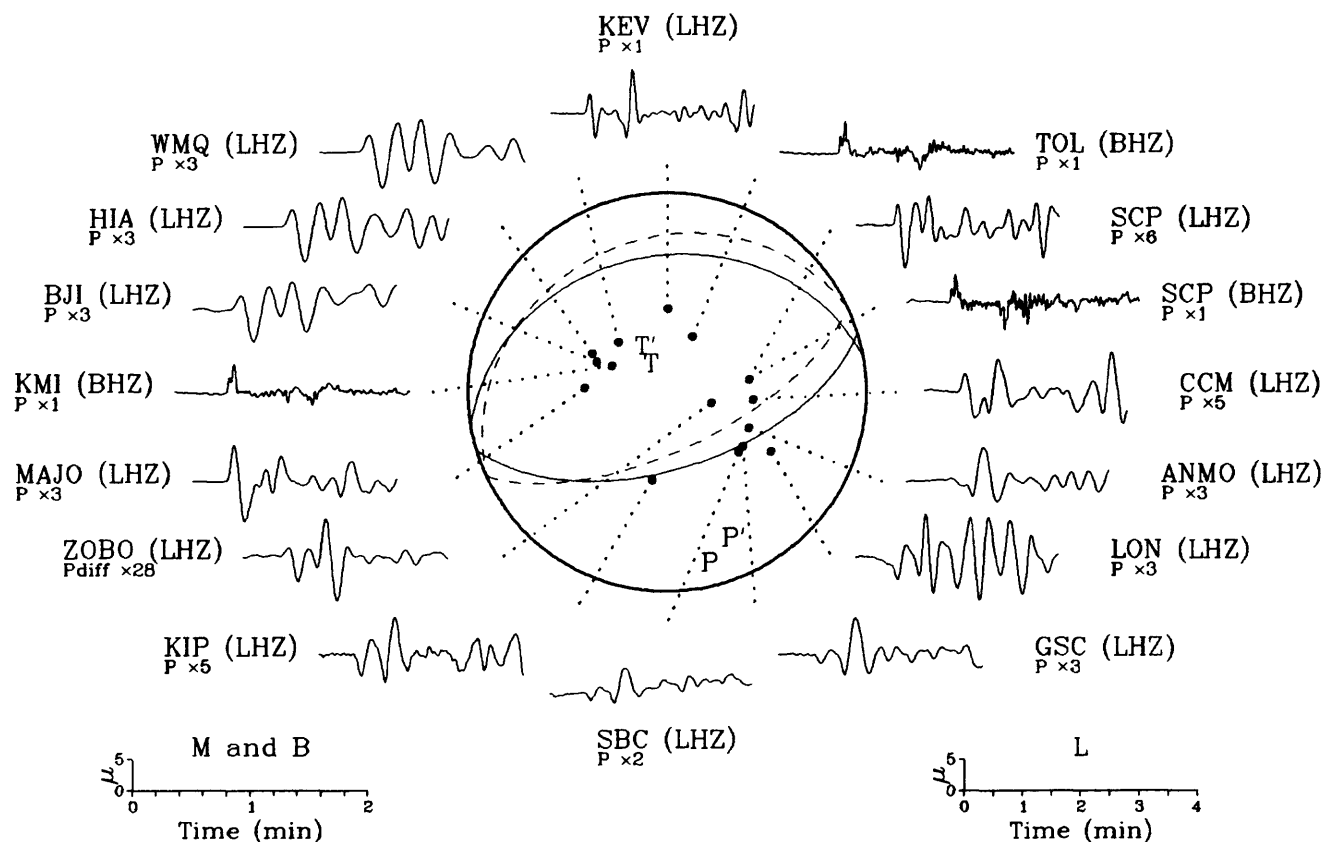
T Vol= 2.83 Plg= 6 Azm=340
N 0.55 62 81
P -3.38 27 247

Best Double Couple: Mo= 3.1×10^{17}

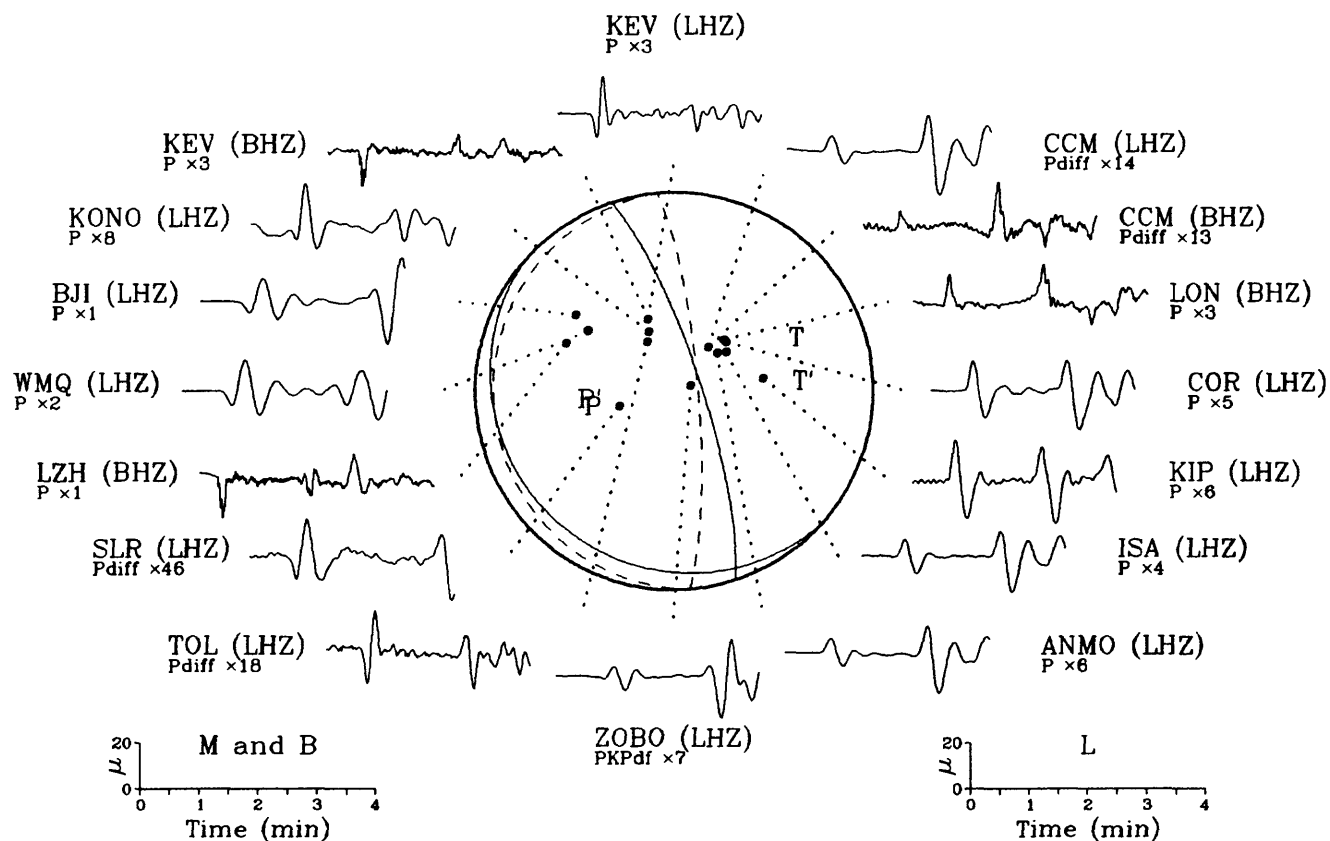
NP1: Strike= 27 Dip=67 Slip=-164

NP2: 290 76 -24

01 May 1991 07:18:43.91
Central Alaska

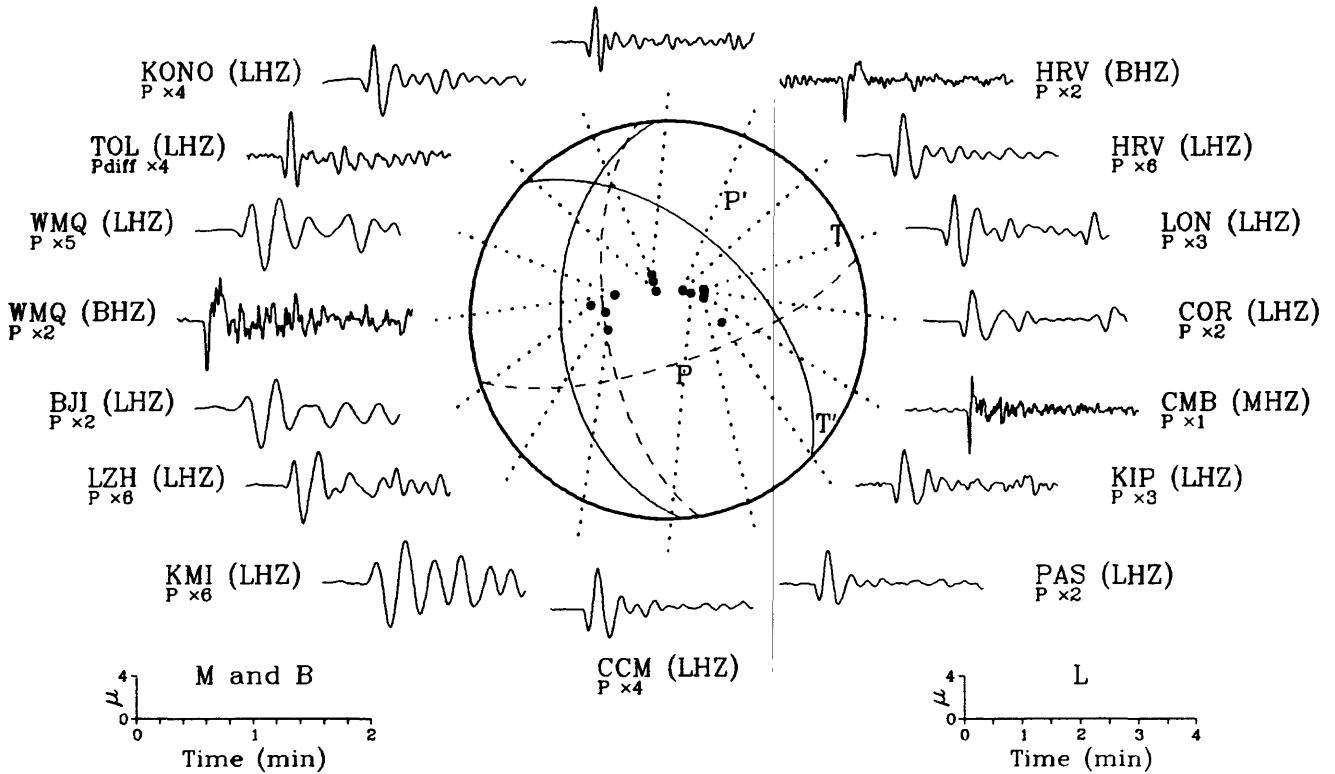


03 May 1991 02:14:14.43
Bonin Islands Region



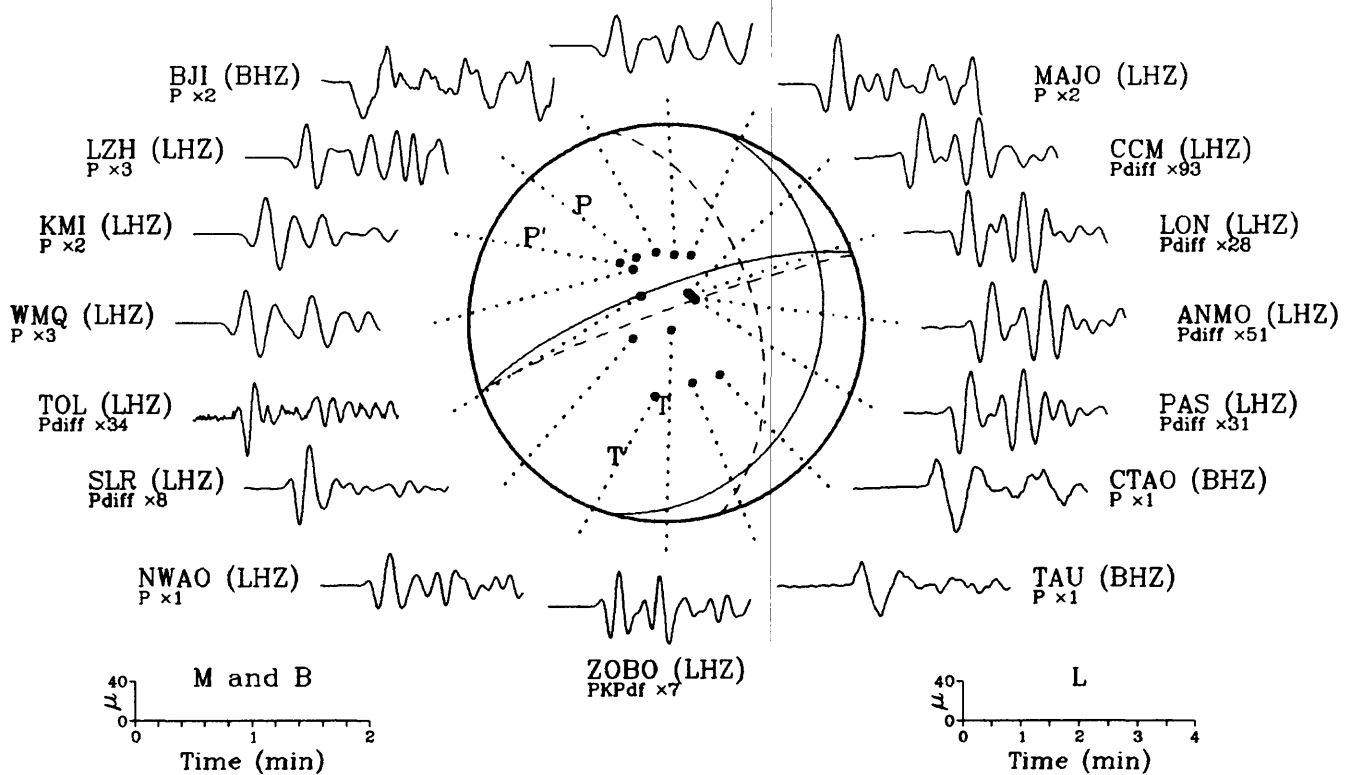
07 May 1991 13:09:28.75
Off East Coast of Honshu, Japan

KEY (LHZ)
P x1



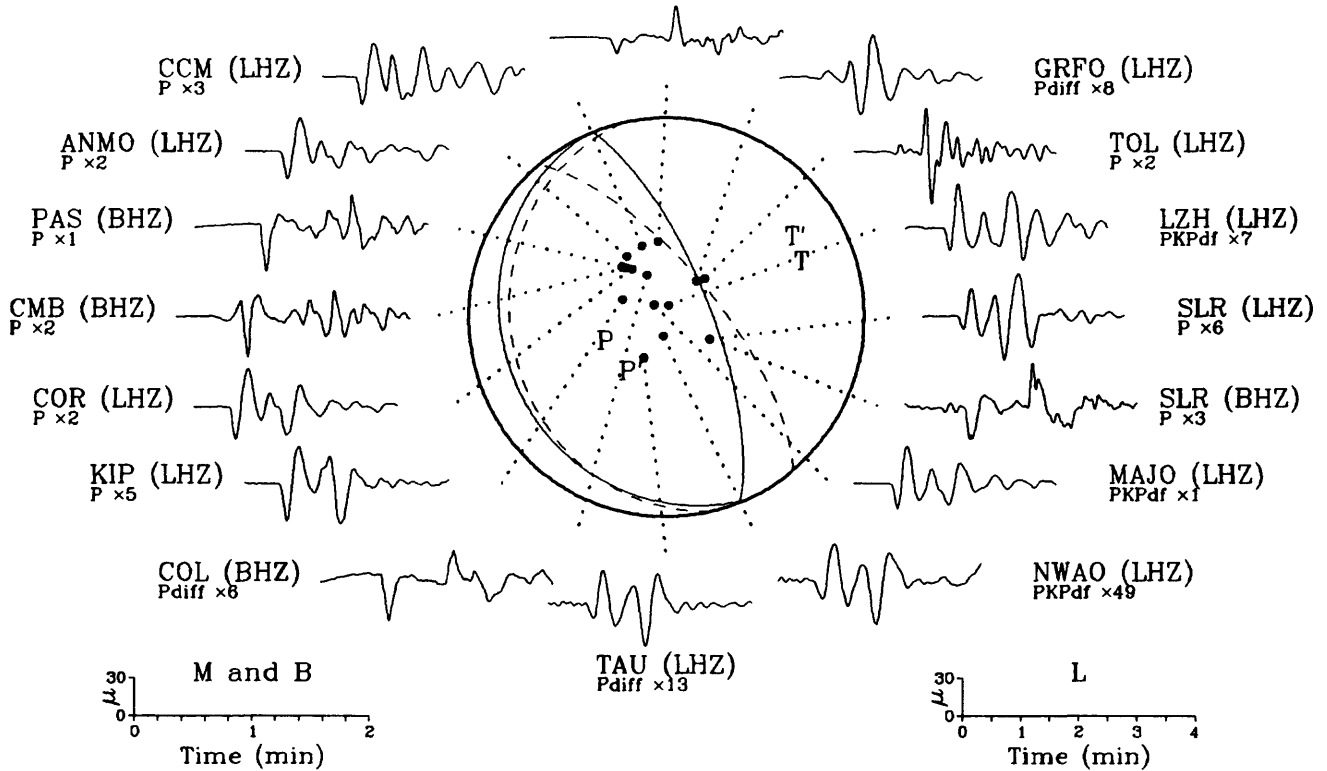
19 May 1991 00:58:01.73
Minahassa Peninsula

MDJ (LHZ)
P x2



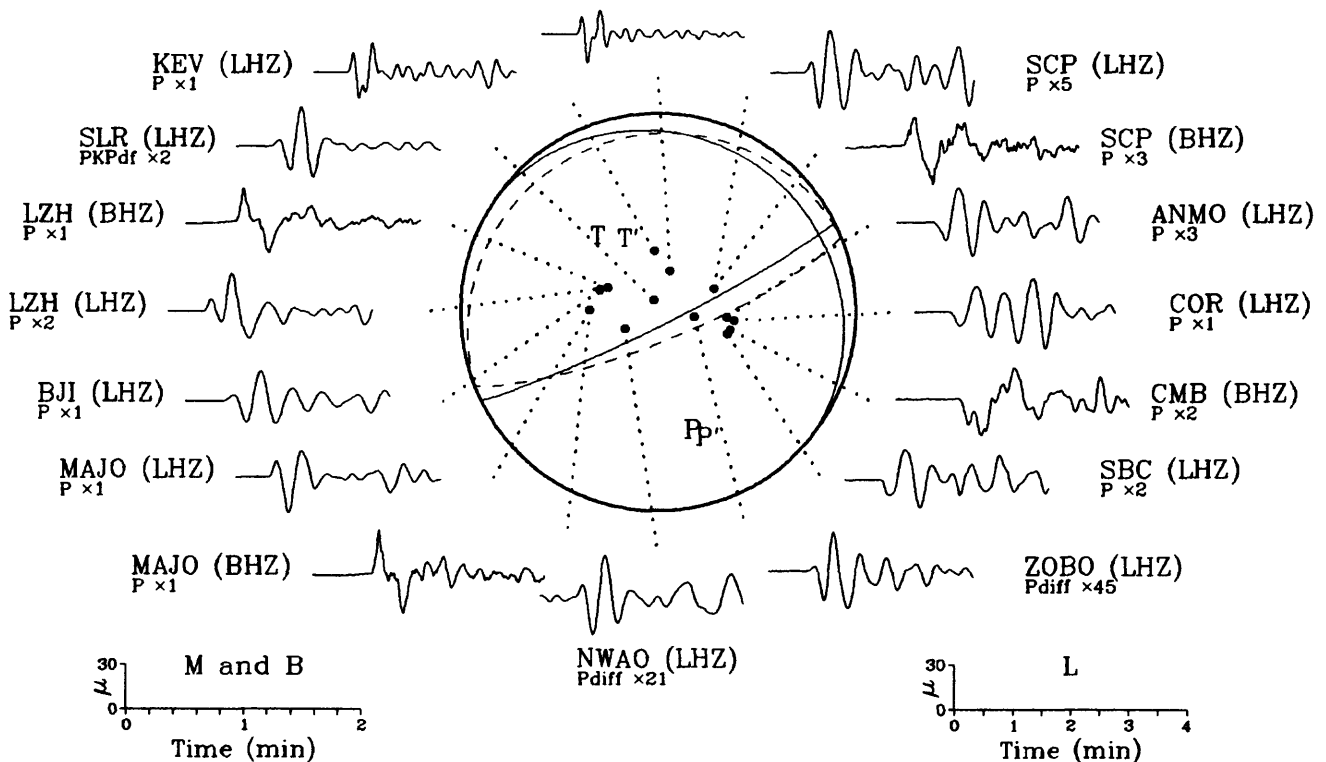
24 May 1991 20:50:55.84
Southern Peru

SCP (MHZ)
P x1

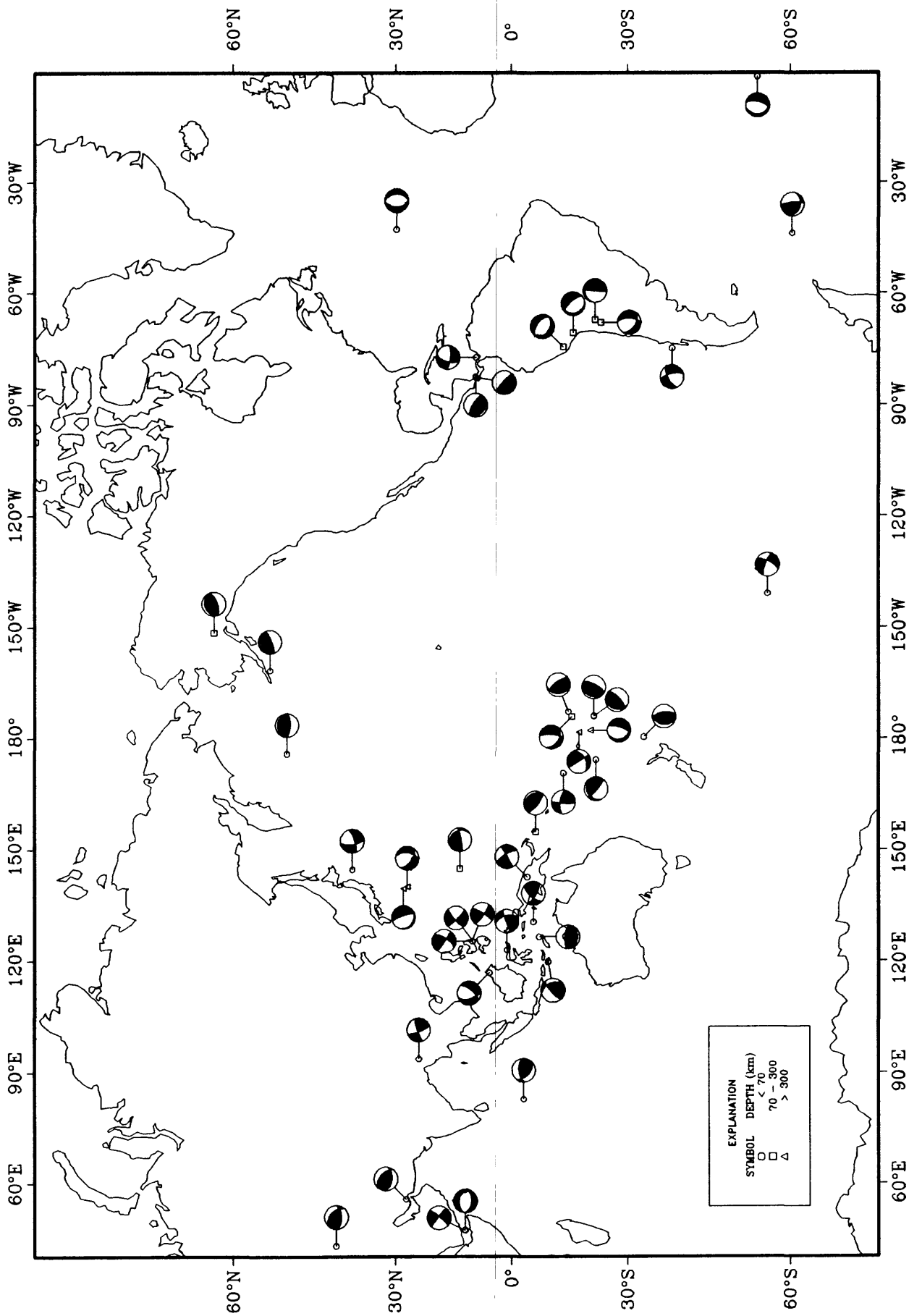


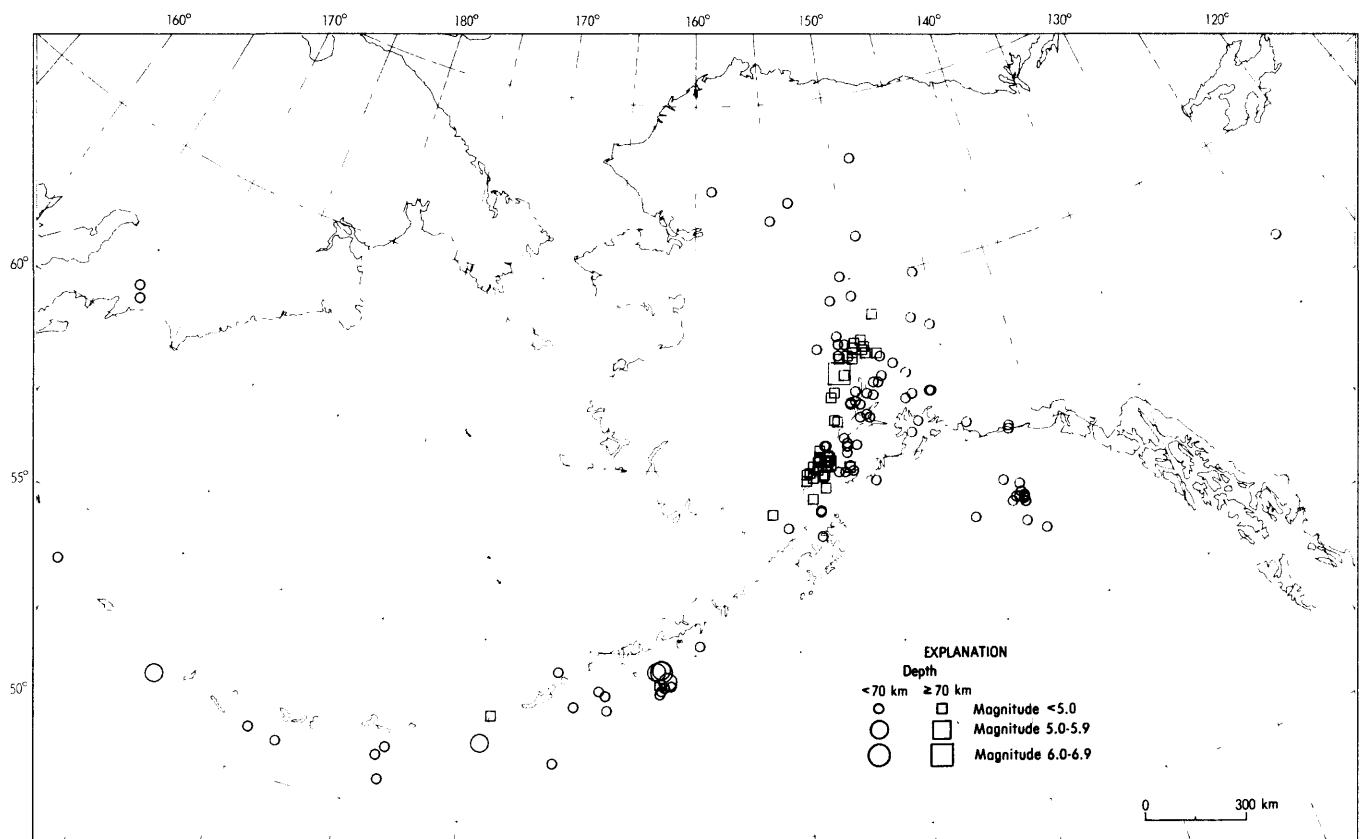
30 May 1991 13:17:41.97
Alaska Peninsula

TOL (LHZ)
P x1

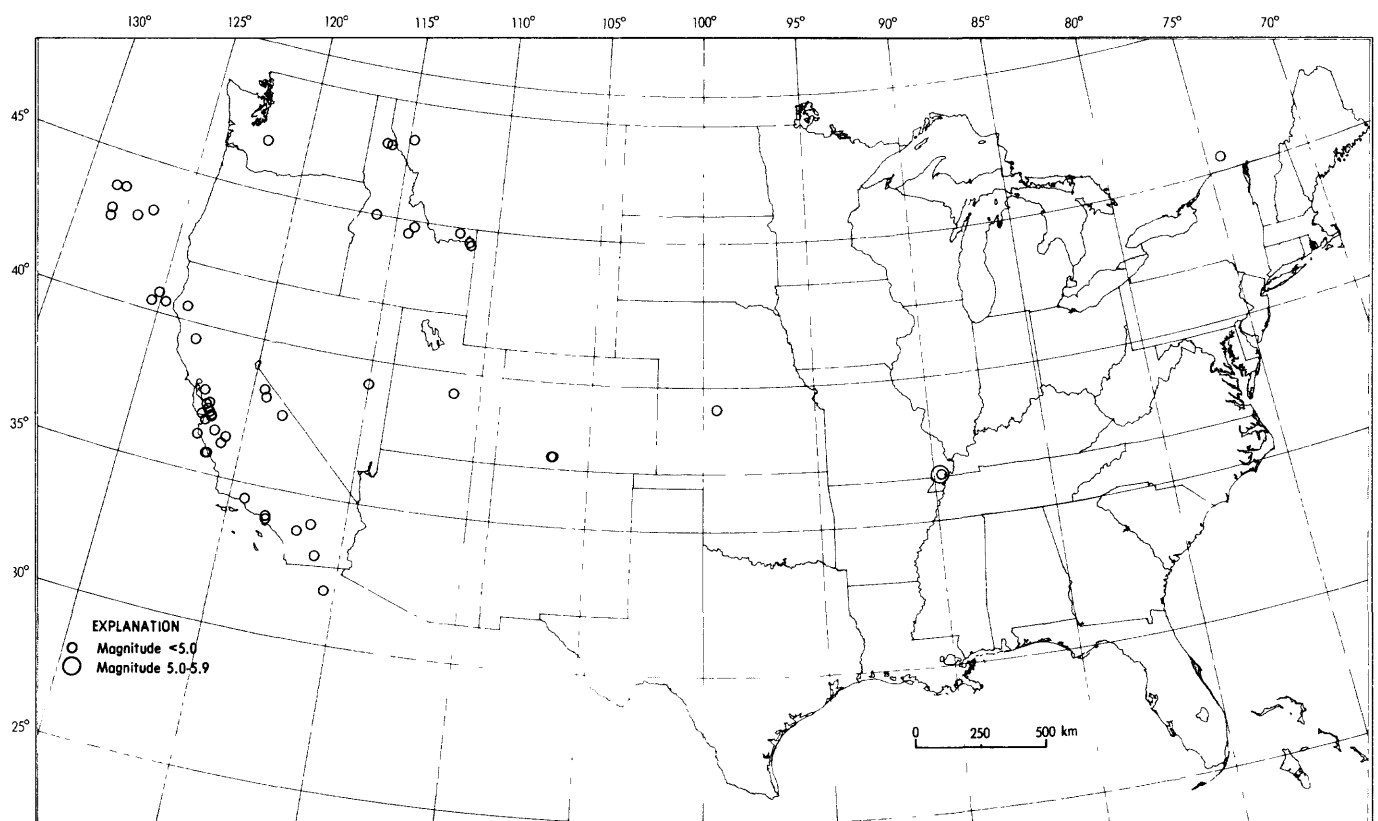


Earthquake Focal Mechanisms for May 1991

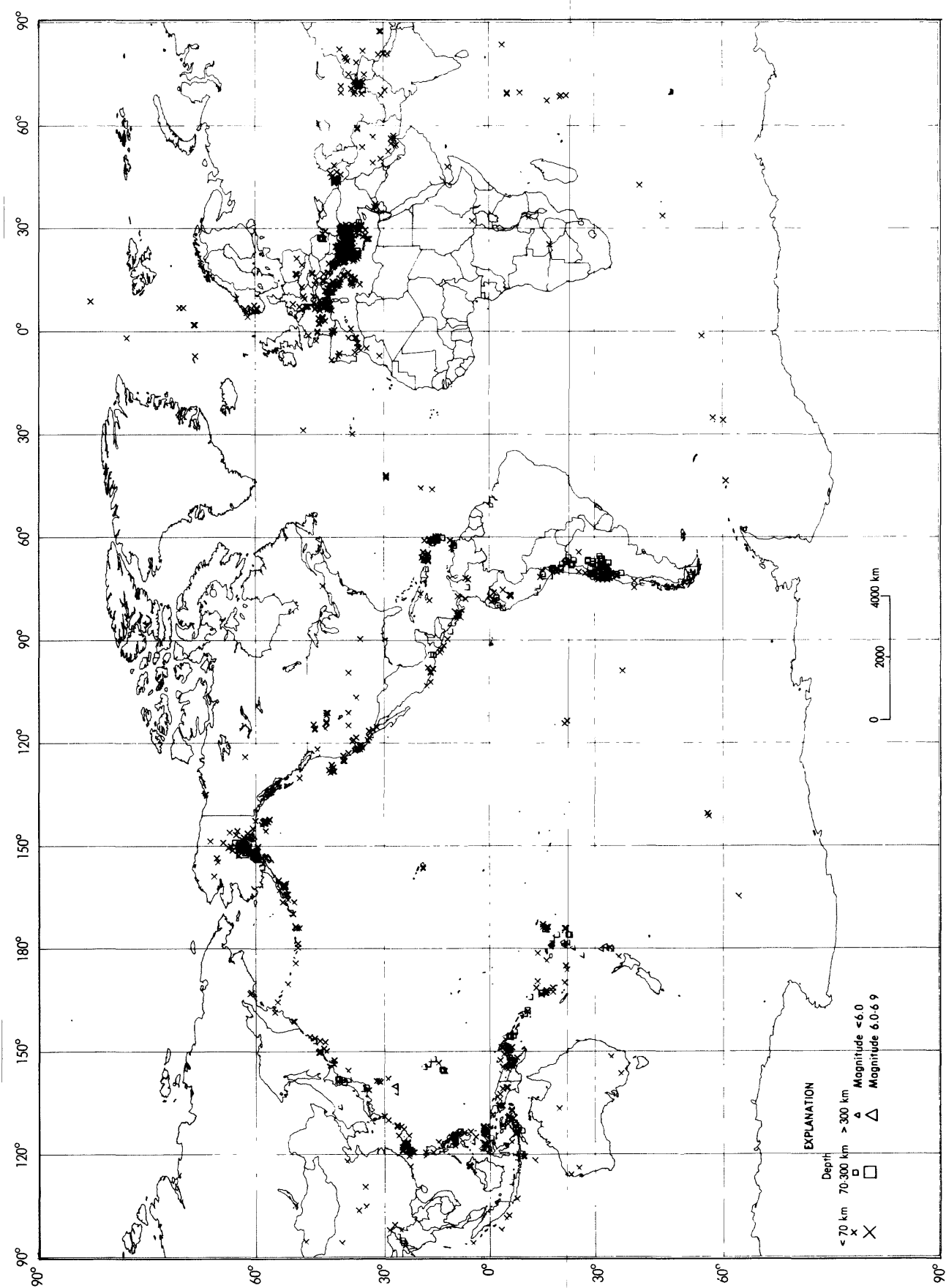




Earthquake epicenters in Alaska and adjacent regions for May, 1991 (C. Stover).



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



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



PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

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

JUNE 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	15 21.2*	49.443 N 6.578 E	10 G		0.6	5	GERMANY. MD 2.2 (UCC).
01	00	16 48.3*	40.295 N 25.986 E	10 G		0.5	6	AEGEAN SEA. MD 3.3 (ISK).
01	00	23 30.5*	45.056 N 8.278 E	10 G		0.4	8	NORTHERN ITALY. ML 2.0 (LDG).
01	00	24 31.3	41.279 N 19.886 E	14	3.8	1.0	63	ALBANIA. ML 3.2 (SKO). MD 3.9 (ATH), 3.7 (TTG), 3.5 (THE).
01	00	35 36.3	41.266 N 19.939 E	10 G		1.2	19	ALBANIA. ML 2.8 (TTG). MD 2.7 (THE).
01	00	43 05.3*	42.568 N 13.159 E	10 G		0.6	5	CENTRAL ITALY
01	00	46 31.5*	38.145 N 15.027 E	10 G		0.6	5	SICILY
01	01	13 02.5	43.796 N 16.564 E	5 G		1.2	28	YUGOSLAVIA. ML 2.9 (TTG), 2.8 (KBA), 2.3 (LJU).
01	01	17 47.7	45.618 N 7.237 E	10 G		1.4	13	NORTHERN ITALY. ML 2.4 (GEN).
01	01	31 29.2*	67.143 N 137.239 W	10 G		1.2	6	NORTHERN YUKON TERRITORY, CANADA
01	02	49 24.7*	28.743 N 81.714 E	33 N	4.3	1.3	15	NEPAL-INDIA BORDER REGION
01	03	53 43.7*	8.21 S 129.68 E	155 ?	4.7	1.4	14	TIMOR SEA
01	04	02 01.4*	31.969 S 71.868 W	22		1.1	12	NEAR COAST OF CENTRAL CHILE
01	04	17 05.8*	61.986 N 150.416 W	52			49	SOUTHERN ALASKA. <AEIC>.
01	04	45 56.4*	40.423 N 124.253 W	46			5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
01	04	52 46.0	24.134 S 66.849 W	187	4.6	1.3	47	SALTA PROVINCE, ARGENTINA
01	05	18 01.3*	28.627 S 71.256 W	33 N		0.9	8	NEAR COAST OF CENTRAL CHILE
01	05	39 49.2*	63.690 N 146.647 W	17			67	CENTRAL ALASKA. <AEIC>. ML 3.3 (AEIC).
01	05	42 01.7	36.882 N 21.990 E	42	4.2	1.2	89	SOUTHERN GREECE. Felt at Kalamai.
01	05	54 14.0	37.650 N 118.876 W	5 G		0.7	7	CALIFORNIA-NEVADA BORDER REGION. ML 2.3 (GS).
01	05	59 22.6*	60.150 N 153.132 W	117	3.3		70	SOUTHERN ALASKA. <AEIC>.
01	06	01 48.7*	1.647 N 123.255 E	10 G	4.7	1.1	7	MINAHASSA PENINSULA
01	06	52 58.8	51.583 N 173.487 W	33 N	4.8 4.5	1.1	120	ANDREANOF ISLANDS, ALEUTIAN IS.
01	07	12 38.4*	5.882 S 131.270 E	81 ?	3.7	0.9	10	BANDA SEA
01	08	56 05.4	54.502 N 161.530 W	33 N	5.3 4.7	1.2	247	ALASKA PENINSULA. Felt (III) at Sand Point and (II) at King Cove.
01	10	03 44.7*	31.606 S 69.529 W	121 ?		0.6	11	SAN JUAN PROVINCE, ARGENTINA
01	10	27 51.9*	17.93 N 100.83 W	33 N		0.1	4	GUERRERO, MEXICO
01	10	40 07.0	36.964 N 70.679 E	26 D	4.7	1.2	43	HINDU KUSH REGION. Felt (III) at Khorog and Nurek, USSR.
01	10	43 52.8*	42.17 N 8.06 W	10 G		0.3	4	SPAIN. mbLg 3.1 (MDD).
01	11	26 58.7*	13.185 N 89.715 W	62 *	4.7	1.3	13	EL SALVADOR. Felt (III) at San Salvador.
01	11	35 36.1	40.120 N 24.091 E	10 G		0.5	12	AEGEAN SEA. MD 2.1 (THE).
01	11	37 42.5	41.530 N 22.304 E	5 G		0.9	7	YUGOSLAVIA. ML 2.1 (SKO).
01	12	00 49.8	10.706 N 62.503 W	102	4.2	0.6	25	NEAR COAST OF VENEZUELA. MD 4.3 (TRN).
01	12	51 13.7*	13.027 N 89.678 W	66 *	4.2	0.3	8	EL SALVADOR. Felt (II) at San Salvador.
01	13	02 02.7*	40.767 N 29.678 E	10 G		1.4	6	TURKEY. MD 2.5 (ISK).
01	13	20 58.8*	44.328 N 129.419 W	10 G	3.8	0.7	29	OFF COAST OF OREGON
01	13	31 12.7*	39.117 N 27.578 E	10 G		0.5	6	TURKEY. MD 3.0 (ISK).
01	13	42 03.1*	41.526 N 23.013 E	10 G		0.2	6	GREECE-BULGARIA BORDER REGION. ML 1.5 (SKO).
01	13	48 49.9	41.431 N 22.999 E	10 G		0.5	9	YUGOSLAVIA. ML 1.7 (SKO). MD 1.8 (THE).
01	15	31 29.9*	16.88 N 101.20 W	33 N		0.8	5	NEAR COAST OF GUERRERO, MEXICO
01	16	09 09.7*	41.229 N 28.958 E	10 G		0.7	6	TURKEY. MD 2.5 (ISK).
01	18	21 43.0*	39.058 N 27.940 E	10 G		0.5	11	TURKEY. MD 3.2 (ISK).
01	18	30 48.2*	16.277 N 99.527 W	33 N		0.6	10	NEAR COAST OF GUERRERO, MEXICO
01	20	00 41.7	41.452 N 23.002 E	10 G		0.6	9	GREECE-BULGARIA BORDER REGION. ML 1.7 (SKO). MD 2.2 (THE).
01	20	37 20.7*	58.515 N 155.441 W	78			22	ALASKA PENINSULA. <AEIC>.
01	20	54 12.8	39.977 N 28.959 E	10 G		0.4	13	TURKEY. MD 3.0 (ISK).
01	21	54 10.9*	23.637 S 69.622 W	33 N		1.4	5	NORTHERN CHILE
01	23	33 20.3*	37.432 N 0.126 W	17		0.7	11	SPAIN. mbLg 3.4 (MDD).
02	01	23 59.2	40.844 N 22.789 E	10 G		0.3	8	GREECE. ML 1.8 (SKO). MD 1.6 (THE).
02	01	52 22.0	1.239 N 128.304 E	29 D	5.2 4.2	1.2	67	HALMAHERA
02	02	43 41.8	10.522 S 161.652 E	112 *	4.9	0.9	26	SOLOMON ISLANDS
02	03	05 27.1	40.297 N 143.706 E	28 D	4.9 3.9	1.0	81	OFF EAST COAST OF HONSHU, JAPAN
02	03	11 08.6*	36.52 N 28.53 E	33 N		0.9	5	DODECANESE ISLANDS. MD 3.8 (ISK).
02	03	26 33.8	37.671 N 118.884 W	5 G		0.7	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (GS).

02	03	42	35.6*	66.570	N	157.000	W	33	N			0.6	5	ALASKA. ML 3.6 (PMR).
02	04	13	03.3?	36.29	N	69.63	E	33	N	4.1		0.8	10	HINDU KUSH REGION
02	04	25	29.0?	33.75	S	72.49	W	10	G			1.4	8	OFF COAST OF CENTRAL CHILE. Felt (III) at Valparaiso.
02	06	28	16.4*	61.042	N	146.526	W	13					43	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
02	06	39	39.9	3.499	S	136.991	E	33	N	4.4		1.1	22	WEST IRIAN
02	07	04	35.1?	38.69	N	21.40	E	10	G			1.4	7	GREECE. MD 2.7 (THE).
02	07	45	15.0?	15.33	S	75.36	W	64	?	3.6		0.2	6	NEAR COAST OF PERU
02	08	56	18.3%	41.161	N	28.525	E	10	G			0.5	9	TURKEY. MD 2.5 (ISK).
02	10	32	09.5*	23.027	S	66.036	W	198	?			0.7	7	JUJUY PROVINCE, ARGENTINA
02	11	08	11.2?	18.81	S	173.17	W	33	N	5.2		1.1	22	TONGA ISLANDS
02	12	03	46.6	18.179	N	98.380	W	27	*	4.0		0.5	9	CENTRAL MEXICO
02	14	27	06.0*	63.065	N	150.735	W	111					43	CENTRAL ALASKA. <AEIC>.
02	14	29	09.0?	78.65	N	19.00	W	33	N	3.5		1.4	5	EASTERN GREENLAND
02	14	51	21.7*	78.611	N	19.834	W	10	G	3.9		1.1	6	EASTERN GREENLAND
02	15	02	04.9*	32.182	S	71.065	W	10	G			0.3	7	NEAR COAST OF CENTRAL CHILE
02	15	19	51.4?	54.35	N	159.69	W	33	N	4.3		0.6	6	SOUTH OF ALASKA
02	15	35	12.4	46.386	N	1.855	E	13				0.9	17	FRANCE. ML 2.7 (LDG). MD 2.7 (STR).
02	16	25	26.7	24.905	S	179.924	E	505	D	5.2		1.0	147	SOUTH OF FIJI ISLANDS
02	16	44	56.2*	9.316	S	111.600	E	85	*	4.4		1.0	18	SOUTH OF JAVA
02	16	50	11.4	8.670	S	111.409	E	88	*	5.1		1.1	64	JAVA
02	17	35	41.8	40.259	N	143.848	E	23		4.1		1.1	67	OFF EAST COAST OF HONSHU, JAPAN
02	17	39	58.6?	24.83	S	179.75	W	535	?	4.7		0.7	11	SOUTH OF FIJI ISLANDS
02	17	57	36.2%	38.528	N	15.433	E	106	?			1.0	10	SICILY
02	18	28	25.6*	6.405	S	129.932	E	223	*	4.5		0.7	11	BANDA SEA
02	19	22	36.1%	43.038	N	13.006	E	10	G			0.8	5	CENTRAL ITALY
02	19	22	58.5	6.367	S	129.958	E	138		5.1		1.1	83	BANDA SEA
02	20	09	47.5*	58.293	N	153.010	W	8					29	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC).
02	20	24	29.4*	60.933	N	150.779	W	14					32	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
02	20	42	06.6?	37.37	N	21.94	E	71	?	3.4		0.2	5	SOUTHERN GREECE
02	21	57	58.3	35.478	N	138.632	E	174		4.8		0.9	152	HONSHU, JAPAN
02	22	13	43.1*	3.477	S	134.880	E	33	N	4.4		1.4	7	WEST IRIAN REGION
02	22	16	01.3	44.163	N	81.676	E	64	*	4.6		0.7	19	NORTHERN XINJIANG, CHINA
03	00	40	45.6*	37.127	N	121.993	W	12					16	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=1.4*10**13 Nm (BRK).
03	00	43	46.3*	57.979	N	154.235	W	47		3.2			39	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
03	01	32	46.5	46.306	N	153.239	E	18	D	5.1	4.2	0.8	165	KURIL ISLANDS
03	01	34	46.7?	39.02	N	23.45	E	5	G			0.7	5	AEGEAN SEA. MD 1.9 (THE).
03	01	55	51.0	49.137	N	6.861	E	10	G			0.9	16	GERMANY. ML 2.9 (GRF), 2.6 (BNS). MD 2.9 (STR), 2.5 (UCC).
03	03	16	20.2*	29.112	N	141.783	E	33	N	4.5		1.2	19	SOUTH OF HONSHU, JAPAN
03	03	41	06.4*	38.251	N	21.567	E	10	G			1.5	5	GREECE. MD 2.9 (ATH).
03	03	57	09.0?	21.15	N	122.48	E	33	N	4.1		0.6	5	TAIWAN REGION
03	04	18	39.9?	44.27	N	148.69	E	52	?	4.9		1.2	15	KURIL ISLANDS
03	04	54	41.3	23.962	N	118.692	E	10	G			0.9	6	TAIWAN REGION. ML 3.9 (BJI).
03	05	00	59.7%	40.438	N	23.069	E	10	G			1.1	8	GREECE. MD 1.6 (THE).
03	05	05	14.8	40.022	S	74.801	W	10	G	5.7	4.8	1.1	162	OFF COAST OF SOUTHERN CHILE. Mo=5.0*10**17 Nm (PPT).
03	06	10	42.1?	39.44	N	30.01	W	10	G	4.5		1.1	5	AZORES ISLANDS
03	06	19	04.4*	39.532	N	29.792	W	10	G	4.5		1.1	15	AZORES ISLANDS
03	06	37	20.8*	39.790	N	29.873	W	10	G	4.8		1.0	18	AZORES ISLANDS
03	07	52	16.3?	17.27	S	70.95	W	33	N			1.0	5	NEAR COAST OF PERU
03	08	31	20.0?	42.13	N	19.24	E	10	G			0.8	4	YUGOSLAVIA. ML 1.2 (TTG).
03	08	36	53.2*	48.880	N	151.652	E	33	N	4.4		0.9	11	KURIL ISLANDS
03	09	32	38.8*	27.467	N	110.753	E	10	G	4.4		1.4	13	EASTERN CHINA. ML 3.8 (BJI).
03	09	44	55.2%	39.362	N	28.051	E	10	G			0.7	6	TURKEY. MD 3.1 (ISK).
03	10	01	31.9	41.690	N	27.864	E	10	G			0.7	12	TURKEY. MD 2.8 (ISK).
03	10	22	40.4	40.048	N	42.859	E	28	D	5.0	4.4	1.3	173	TURKEY
03	10	34	05.9*	24.752	N	122.630	E	33	N	4.3		1.2	8	TAIWAN REGION
03	10	46	59.2	40.767	N	30.005	E	10	G			0.8	10	TURKEY. MD 2.8 (ISK).
03	11	02	51.6	40.733	N	29.995	E	10	G			0.4	14	TURKEY. MD 3.2 (ISK).
03	11	26	10.9?	40.69	N	26.57	E	10	G			0.3	4	TURKEY. MD 3.2 (ISK).
03	12	01	13.4*	5.762	S	145.510	E	108	*	5.2		1.5	13	EAST PAPUA NEW GUINEA REGION
03	12	30	41.2	37.066	N	29.395	E	5	G			0.8	6	TURKEY. MD 3.7 (ISK).
03	13	26	51.5?	4.34	S	142.13	E	111	?	4.8		1.2	5	PAPUA NEW GUINEA
03	14	30	22.4%	39.139	N	27.509	E	10	G			0.5	5	TURKEY. MD 3.4 (ISK).
03	14	35	29.6%	41.179	N	28.802	E	10	G			0.3	5	TURKEY. MD 2.3 (ISK).
03	14	54	16.0*	60.272	N	151.981	W	76					40	KENAI PENINSULA, ALASKA. <AEIC>.
03	15	36	18.4?	45.38	N	6.55	E	10	G			0.5	7	FRANCE. ML 2.5 (GEN).
03	16	20	25.3	6.394	S	147.678	E	75	*	4.8		1.0	29	EAST PAPUA NEW GUINEA REGION
03	16	53	22.5?	29.07	N	142.66	E	33	N	4.2		0.8	8	SOUTH OF HONSHU, JAPAN
03	17	03	09.8	23.805	N	121.828	E	21	D	4.8		1.4	31	TAIWAN. ML 4.4 (BJI).
03	17	08	38.7	52.152	N	152.822	E	420	*	4.8		0.8	173	NORTHWEST OF KURIL ISLANDS
03	19	24	10.0	38.960	N	29.189	E	5	G			0.9	33	TURKEY. MD 3.7 (ISK), 3.5 (ATH).
03	20	01	29.3%	38.030	N	14.587	E	10	G			0.8	5	SICILY
03	21	08	17.3	40.623	N	22.945	E	10	G			0.5	10	GREECE. MD 2.2 (THE).
03	21	09	17.2?	2.00	N	126.89	E	33	N	4.5		0.9	6	MOLUCCA PASSAGE
03	21	57	15.5*	37.655	N	121.642	W	8					10	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
03	22	12	23.4?	31.65	S	179.60	E	413	?	4.3		1.4	23	KERMADEC ISLANDS REGION
03	22	30	26.5%	40.713	N	15.276	E	10	G			1.1	13	SOUTHERN ITALY
03	22	33	29.7*	59.986	N	152.936	W	106					49	SOUTHERN ALASKA. <AEIC>.
03	22	45	23.3%	40.812	N	27.729	E	10	G			0.4	9	TURKEY. MD 2.6 (ISK).
03	23	37	20.5%	16.524	N	95.949	W	30	G			1.1	6	OAXACA, MEXICO
03	23	38	34.8	10.424	N	125.275	E	29	D	4.9	4.2	1.3	40	LEYTE, PHILIPPINE ISLANDS
03	23	47	33.7*	62.238	N	5.268	E	10	G			1.1	9	SOUTHERN NORWAY. MD 2.5 (BER).
04	00	26	20.0	44.156	N	7.417	E	10	G			0.8	14	NORTHERN ITALY. ML 2.0 (GEN).
04	00	53	26.6	44.327	N	7.248	E	10	G			0.5	11	NORTHERN ITALY. ML 2.1 (GEN), 2.1 (LDG).
04	00	55	16.3	40.600	N	42.989	E	10	G	3.7		0.9	11	TURKEY
04	02	22	51.4%	48.271	N	1.320	W	10	G			0.7	5	FRANCE
04	02	45	44.9	41.855	N	19.638	E	10	G			0.6	10	ALBANIA ML 2.4 (TTG).
04	04	10	37.5*	12.230	S	71.283	W	33	N	3.5		0.8	5	PERU
04	04	52	58.7	44.103	N	7.153	E	10	G			0.2	10	NORTHERN ITALY. ML 1.9 (GEN). MD 1.2 (STR).
04	06	25	43.4*	21.833	S	68.402	W	140	*	3.8		1.0	7	CHILE-BOLIVIA BORDER REGION
04	06	34	03.4*	38.459	N	26.815	E	10	G			0.4	6	AEGEAN SEA. MD 3.8 (ISK).
04	07	45	14.5*	61.861	N	147.374	W	38					51	SOUTHERN ALASKA <AEIC>. ML 2.8 (AEIC), 2.6 (PMR).

04	08 27 18.4*	4.985 N	125.248 E	196 *	4.7	0.8	12	TALAUD ISLANDS
04	08 37 20.5%	44.239 N	7.421 E	10 G		0.5	7	NORTHERN ITALY. ML 2.0 (GEN).
04	09 11 04.87	39.45 N	29.54 E	10 G		0.9	4	TURKEY. MD 2.8 (ISK).
04	09 12 28.4%	40.748 N	27.375 E	10 G		1.2	5	TURKEY. MD 2.4 (ISK).
04	09 23 30.1	40.403 N	24.004 E	10 G		0.4	7	AEGEAN SEA. MD 2.1 (THE).
04	09 30 01.8%	59.303 N	152.267 W	65			31	SOUTHERN ALASKA. <AEIC>.
04	09 44 28.9?	44.39 N	7.38 E	10 G		0.1	4	NORTHERN ITALY. ML 1.9 (GEN).
04	09 53 55.4	37.328 N	69.220 E	33 N	4.7	0.9	20	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Dushanbe and (II) at Kulyab, USSR.
04	10 18 09.2*	49.111 N	6.919 E	10 G		0.5	7	GERMANY. MD 2.0 (STR).
04	10 26 31.0%	44.357 N	6.357 E	10 G		0.5	9	FRANCE. ML 2.2 (GEN).
04	10 38 16.2?	44.33 N	6.40 E	10 G		0.3	5	FRANCE. ML 2.2 (GEN).
04	10 42 07.3	18.161 S	178.364 W	602 *	4.7	1.2	74	FIJI ISLANDS REGION
04	11 51 52.0%	40.668 N	0.550 W	10 G		1.2	5	SPAIN. mblg 2.7 (MDD).
04	12 22 31.9%	62.756 N	150.727 W	92	3.5		80	CENTRAL ALASKA. <AEIC>.
04	12 41 48.7%	42.714 N	19.205 E	10 G		0.4	6	YUGOSLAVIA. ML 1.6 (TTG).
04	12 58 46.8%	39.099 N	27.610 E	10 G		0.4	6	TURKEY. MD 3.0 (ISK).
04	14 37 51.0%	62.221 N	148.809 W	43			29	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
o 04	15 03 26.0	31.601 S	179.811 E	399 D	5.2	1.2	229	KERMADEC ISLANDS REGION
04	15 46 18.8%	38.993 N	29.029 E	10 G		0.4	5	TURKEY. MD 2.5 (ISK).
04	16 02 44.9	53.520 N	161.168 E	22 D	5.2 4.6	1.0	165	OFF EAST COAST OF KAMCHATKA
04	16 09 19.7*	41.384 N	19.518 E	10 G		0.9	11	ALBANIA. ML 2.3 (TTG).
04	17 17 09.1	47.548 N	7.627 E	10 G		0.2	8	SWITZERLAND. ML 2.3 (LDG). MD 1.7 (STR).
04	17 20 37.2	39.490 N	143.745 E	34	4.9 4.1	0.7	30	OFF EAST COAST OF HONSHU, JAPAN
04	17 30 02.6	7.357 S	127.807 E	30 D	5.3 4.3	1.2	115	BANDA SEA
04	17 41 51.0%	59.880 N	153.385 W	125			46	SOUTHERN ALASKA. <AEIC>.
04	17 53 36.2*	1.225 N	123.745 E	61 *		0.4	9	MINAHASSA PENINSULA
04	18 00 11.9	27.497 N	127.600 E	143 *	4.7	1.0	37	RYUKYU ISLANDS
04	18 04 32.2?	51.32 N	16.11 E	10 G		0.7	4	POLAND
04	18 35 10.3	40.983 N	22.361 E	10 G		0.6	6	GREECE. ML 1.7 (SKO). MD 1.9 (THE).
04	19 02 16.1*	37.479 N	71.649 E	33 N	4.6	0.4	7	AFGHANISTAN-USSR BORDER REGION
04	19 09 44.3	5.588 N	78.128 W	10 G	4.8 4.1	1.1	46	SOUTH OF PANAMA
04	19 10 22.2*	39.959 N	22.546 E	10 G		1.5	9	GREECE. MD 2.0 (THE).
04	20 28 18.7	44.481 N	7.389 E	11		0.6	11	NORTHERN ITALY. ML 2.3 (GEN), 1.8 (LDG).
04	20 48 03.8%	15.856 N	61.161 W	99 ?		0.6	7	LEEWARD ISLANDS
04	21 11 21.6?	39.55 N	21.01 E	10 G		1.5	7	GREECE. MD 2.5 (THE).
04	21 36 15.4*	44.899 N	99.976 E	10 G	4.5	0.8	9	MONGOLIA
04	21 53 48.7	36.201 N	69.428 E	160 *	4.7	1.2	26	HINDU KUSH REGION. Felt (III) at Kharag, USSR.
04	22 09 17.1*	35.824 N	27.721 E	33 N		0.5	5	DODECANESE ISLANDS
04	22 28 40.0%	18.348 N	66.036 W	10 G		0.7	5	PUERTO RICO REGION
04	23 05 03.2*	0.003 S	123.352 E	111 *	4.8	1.2	11	MINAHASSA PENINSULA
04	23 24 01.3	39.993 N	22.585 E	10 G		0.4	8	GREECE. MD 2.1 (THE).
04	23 59 22.7	8.513 N	40.814 W	10 G	4.7	1.2	20	CENTRAL MID-ATLANTIC RIDGE
05	00 10 54.3	37.037 N	29.390 E	10 G		0.6	6	TURKEY. MD 3.8 (ISK).
05	01 18 23.4	45.553 N	26.428 E	150	3.3	1.0	23	ROMANIA
05	02 05 12.1%	42.993 N	13.110 E	10 G		0.9	5	CENTRAL ITALY
05	02 06 55.2?	22.16 S	169.16 E	33 N	4.3 4.3	1.0	19	LOYALTY ISLANDS REGION
05	02 15 31.3%	60.210 N	151.168 W	47			30	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
05	02 21 37.3%	39.395 N	27.894 E	10 G		0.9	6	TURKEY. MD 3.1 (ISK).
05	02 32 24.2*	36.811 N	29.127 E	10 G		0.6	5	TURKEY. MD 3.6 (ISK).
05	02 35 00.6*	46.037 N	153.159 E	33 N	4.5	1.0	28	KURIL ISLANDS
05	03 58 59.5	49.111 N	6.855 E	10 G		0.8	11	GERMANY. MD 2.6 (STR).
05	04 23 38.4	36.419 N	71.212 E	226 *	3.9	0.4	14	AFGHANISTAN-USSR BORDER REGION
05	04 53 50.3%	43.014 N	12.985 E	10 G		1.4	6	CENTRAL ITALY
05	05 40 36.4?	5.72 S	76.22 W	33 N	3.7	0.6	4	NORTHERN PERU
05	06 32 51.5*	30.637 S	178.289 W	33 N	5.0	1.3	14	KERMADEC ISLANDS
o 05	06 44 42.3	2.437 N	128.618 E	225 D	5.0	0.9	104	HALMAHERA
05	06 56 03.7*	4.316 S	147.295 E	10 G	4.4	1.5	6	BISMARCK SEA
05	07 27 13.7*	31.281 S	68.257 W	111 *		0.8	11	SAN JUAN PROVINCE, ARGENTINA
05	07 31 59.3?	38.95 N	26.06 E	10 G		0.5	5	AEGEAN SEA. MD 3.7 (ISK).
05	08 17 02.8*	36.981 N	29.441 E	10 G		1.0	5	TURKEY
05	09 24 07.6*	48.374 N	112.007 W	5 G		0.9	11	MONTANA. ML 3.6 (BUT).
05	09 33 23.1	5.534 S	151.406 E	75 *	5.2	0.9	23	NEW BRITAIN REGION
05	09 35 46.5*	51.036 N	157.055 E	77 D	4.5	1.0	22	NEAR EAST COAST OF KAMCHATKA
05	09 37 04.6?	44.19 N	8.35 E	10 G		0.3	5	NORTHERN ITALY. ML 2.4 (LDG).
05	10 18 24.1%	41.141 N	28.692 E	10 G		0.5	7	TURKEY. MD 2.4 (ISK).
05	10 26 41.1?	6.47 S	130.00 E	183 *	4.8	0.9	8	BANDA SEA
05	12 37 41.1	40.643 N	29.928 E	10 G		0.3	6	TURKEY. MD 2.9 (ISK).
05	12 45 52.9%	15.920 N	98.086 W	10 G		0.9	6	OFF COAST OF GUERRERO, MEXICO. Felt at Oaxaca.
05	13 50 13.2%	44.625 N	10.018 E	10 G		0.8	9	NORTHERN ITALY
05	13 53 45.5?	39.53 N	28.72 E	10 G		1.0	6	TURKEY. MD 2.5 (ISK).
05	14 47 13.1*	19.007 S	169.492 E	28 *	5.0 4.6	1.1	31	VANUATU ISLANDS
05	15 00 10.2*	49.065 N	6.843 E	10 G		0.7	7	GERMANY. MD 2.6 (STR).
05	15 23 13.1%	60.384 N	151.839 W	66			32	KENAI PENINSULA, ALASKA. <AEIC>.
05	15 28 45.4?	19.30 S	170.28 E	33 N	4.3 3.8	1.3	6	VANUATU ISLANDS
05	15 53 37.2?	10.20 S	123.30 E	33 N	4.0	1.5	7	TIMOR
05	16 19 16.7%	39.169 N	27.460 E	10 G		0.5	5	TURKEY. MD 2.8 (ISK).
o 05	16 43 07.6*	36.042 S	100.732 W	10 G	5.2 5.1	1.0	52	SOUTHERN PACIFIC OCEAN
05	17 09 35.3	44.000 N	7.588 E	10 G		0.7	8	NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN).
05	17 14 30.8?	36.89 N	71.68 E	33 N	4.5	1.5	8	AFGHANISTAN-USSR BORDER REGION
05	17 40 47.1*	10.282 N	125.150 E	33 N	4.4 3.9	1.1	14	LEYTE, PHILIPPINE ISLANDS
05	18 11 25.2?	18.15 N	76.01 W	5 G		0.8	5	JAMAICA REGION
05	18 42 28.9%	40.594 N	22.914 E	10 G		0.4	7	GREECE. MD 1.8 (THE).
05	18 44 14.9%	34.447 N	106.849 W	4			11	NEW MEXICO. <SNM>. MD 3.0 (SNM). Felt at Bosque and Belen.
05	19 27 04.5*	18.680 N	105.959 W	68 *	3.9	1.0	29	OFF COAST OF JALISCO, MEXICO
05	19 46 43.2%	62.395 N	151.096 W	92			58	CENTRAL ALASKA. <AEIC>.
05	20 05 22.5?	19.75 S	170.98 E	33 N	4.3	0.6	5	VANUATU ISLANDS
05	20 37 15.3*	37.040 N	29.243 E	10 G		1.0	4	TURKEY. MD 3.5 (ISK).
05	20 47 41.8	18.918 S	169.389 E	15 D	4.8 4.5	0.9	41	VANUATU ISLANDS
05	21 12 33.4	38.944 N	26.312 E	8	3.6	0.9	43	AEGEAN SEA. ML 3.7 (ATH). MD 4.0 (ISK), 3.7 (THE).
05	21 38 21.7*	33.301 S	77.896 E	10 G	4.9	0.9	13	MID-INDIAN RISE
05	21 38 56.6	40.470 N	26.365 E	8		0.8	37	TURKEY. MD 3.8 (ISK), 3.5 (ATH).

05	22	37	55.67	15.37	N	60.66	W	28	*	0.6	6	LEEWARD ISLANDS. ML 2.6 (FDF).	
05	23	48	27.7%	39.103	N	29.501	E	10	G	0.7	8	TURKEY. MD 2.9 (ISK).	
06	00	08	44.3%	31.985	S	117.269	E	10	G	0.8	5	WESTERN AUSTRALIA	
06	00	27	16.6%	42.504	N	13.646	E	10	G	0.6	6	CENTRAL ITALY	
06	00	27	45.0	44.736	N	6.899	E	10	G	0.4	15	FRANCE. ML 2.4 (GEN).	
06	01	09	58.6	38.325	N	16.488	E	93	*	1.0	27	SOUTHERN ITALY. MD 3.9 (ATH), 3.6 (THE).	
06	01	23	56.1%	40.655	N	15.745	E	10	G	1.2	12	SOUTHERN ITALY	
06	02	12	00.47	47.41	N	0.95	W	10	G	0.9	7	FRANCE	
06	02	28	46.8	5.965	S	103.914	E	53	D	5.3	141	SOUTHERN SUMATERA	
06	03	05	14.3%	44.864	N	6.988	E	10	G	0.3	5	FRANCE. ML 2.0 (GEN).	
06	03	41	53.4	6.879	N	73.059	W	166		4.5	1.1	22	NORTHERN COLOMBIA
06	04	27	55.57	10.81	N	62.48	W	33	N	0.6	6	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).	
06	05	27	17.8%	37.393	N	16.164	E	29		0.6	10	IONIAN SEA	
06	06	15	29.5%	60.369	N	5.285	E	10	G	0.3	6	SOUTHERN NORWAY. MD 1.1 (BER).	
06	06	34	38.1	40.631	N	15.830	E	10	G	1.1	13	SOUTHERN ITALY	
06	06	56	36.27	34.61	S	72.56	W	31		0.8	11	NEAR COAST OF CENTRAL CHILE	
06	07	36	46.4	19.031	S	169.358	E	78	*	4.9	0.9	40	VANUATU ISLANDS
06	07	46	40.5*	22.578	S	65.726	W	33	N	1.2	6	JUJUY PROVINCE, ARGENTINA	
06	07	47	21.3	39.398	N	138.863	E	23		4.6	0.9	34	EASTERN SEA OF JAPAN
06	07	53	31.47	17.56	N	60.13	W	33	N	0.6	10	LEEWARD ISLANDS. ML 3.6 (FDF).	
06	08	02	07.5	42.705	N	87.221	E	32	D	5.1 4.4	1.0	159	NORTHERN XINJIANG, CHINA
06	08	04	06.2	43.104	N	0.676	W	10	G	0.5	14	PYRENEES	
06	08	54	51.47	40.53	N	23.02	E	10	G	0.3	4	GREECE	
06	10	00	18.67	22.57	N	121.72	E	10	G	0.1	6	TAIWAN REGION	
06	10	25	44.2*	14.764	S	166.585	E	33	N	4.7	1.1	10	VANUATU ISLANDS
06	10	34	47.37	38.37	N	25.38	E	10	G	1.3	4	AEGEAN SEA. ML 3.0 (ATH).	
06	10	56	14.9*	23.081	N	120.836	E	10	G	0.6	5	TAIWAN	
06	11	14	34.37	15.94	S	174.55	W	65	*	4.6	1.0	21	TONGA ISLANDS
06	11	45	00.9%	63.342	N	151.124	W	13			42	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).	
06	12	01	46.4%	42.769	N	19.172	E	10	G	0.3	7	YUGOSLAVIA. ML 1.5 (TTG).	
06	12	46	09.8%	65.383	N	22.897	E	10	G	1.3	6	SWEDEN. MD 3.1 (BER).	
06	12	55	52.7%	16.641	N	61.464	W	33	N	0.5	6	LEEWARD ISLANDS. ML 2.4 (FDF).	
06	12	59	26.4%	61.768	N	150.758	W	51			65	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).	
06	13	37	15.1*	16.769	N	100.149	W	49	*	3.3	0.9	10	NEAR COAST OF GUERRERO, MEXICO. Felt along the coast of Guerrero.
06	14	04	06.6	38.390	N	27.066	E	10	G	0.5	9	TURKEY. MD 3.4 (ISK).	
06	15	37	16.5	44.761	N	6.796	E	10	G	0.5	20	FRANCE. ML 2.5 (GEN).	
06	16	06	14.2%	44.451	N	7.348	E	10	G	0.4	7	NORTHERN ITALY. ML 1.9 (GEN).	
06	17	01	25.0*	32.279	S	71.407	W	33	N	0.7	7	NEAR COAST OF CENTRAL CHILE	
06	17	24	16.67	6.41	S	147.85	E	72	*	4.7	1.3	10	EAST PAPUA NEW GUINEA REGION
06	17	35	35.3*	40.788	N	29.998	E	10	G	0.1	5	TURKEY. MD 2.9 (ISK).	
06	18	02	08.6*	34.349	N	25.717	E	127	?		1.2	20	CRETE
06	18	14	05.5	12.207	N	120.609	E	18	D	5.0 4.3	1.1	53	MINDORO, PHILIPPINE ISLANDS
06	18	49	00.9	40.936	N	15.146	E	5	G		1.4	12	SOUTHERN ITALY
06	19	40	21.57	4.47	N	125.62	E	184	*	4.2	0.8	8	TALAUD ISLANDS
06	20	17	40.4*	35.766	N	28.235	E	10	G	0.7	7	EASTERN MEDITERRANEAN SEA. MD 4.1 (ISK), 3.8 (ATH).	
06	20	46	49.6*	28.965	N	142.456	E	33	N	5.0 4.0	1.0	24	BONIN ISLANDS REGION
06	20	59	03.1*	35.296	N	24.256	E	77	*	3.7	1.5	21	CRETE
06	21	33	21.1*	51.649	N	6.850	E	10	G	1.3	22	GERMANY. ML 2.5 (GSH), 2.3 (BNS). MD 2.4 (UCC).	
06	22	01	02.7*	17.175	N	120.878	E	29	*	4.5	1.5	15	LUZON, PHILIPPINE ISLANDS
06	23	28	16.0	46.698	N	152.589	E	33	D	5.2 4.1	0.8	131	KURIL ISLANDS
06	23	36	58.0%	60.159	N	151.222	W	61			40	KENAI PENINSULA, ALASKA. <AEIC>.	
06	23	55	23.2	20.401	S	68.878	W	133	*	4.9	1.0	19	CHILE-BOLIVIA BORDER REGION
07	00	10	46.57	36.46	N	27.00	E	10	G	1.1	4	DODECANESE ISLANDS	
07	00	13	39.3*	6.053	N	125.134	E	106	?	5.1	1.0	22	MINDANAO, PHILIPPINE ISLANDS
07	00	32	18.1	40.108	N	20.648	E	10	G	0.8	9	GREECE-ALBANIA BORDER REGION	
07	01	24	48.4%	57.939	N	153.702	W	46			58	KODIAK ISLAND REGION. <AEIC>. ML 3.6 (AEIC).	
07	02	54	26.0	9.462	N	126.425	E	66	*	4.8	1.2	32	MINDANAO, PHILIPPINE ISLANDS
07	04	09	45.3%	60.671	N	151.679	W	69			39	KENAI PENINSULA, ALASKA. <AEIC>.	
07	04	13	56.67	18.21	N	67.24	W	29	?		0.4	5	MONA PASSAGE
07	04	30	37.8%	44.222	N	8.199	E	10	G	0.5	7	NORTHERN ITALY. ML 2.1 (GEN).	
07	04	56	21.3*	9.467	N	126.277	E	77	?	4.7	0.9	15	MINDANAO, PHILIPPINE ISLANDS
07	06	33	52.07	17.42	N	61.22	W	10	G	0.5	5	LEEWARD ISLANDS. ML 3.2 (FDF).	
07	08	19	24.5%	39.294	N	111.146	W	8			5	UTAH. <SLC-P>. MD 2.9 (SLC).	
07	09	13	05.8%	39.084	N	27.577	E	10	G	0.5	7	TURKEY. MD 2.9 (ISK).	
07	11	11	55.1%	19.217	N	97.494	W	10	G	1.1	5	VERA CRUZ, MEXICO	
07	11	20	03.7	9.235	S	159.214	E	32	D	4.9	1.0	21	SOLOMON ISLANDS. Felt (III) at Honiara.
07	11	28	23.3	8.550	N	126.815	E	30	D	5.1 4.0	1.2	50	MINDANAO, PHILIPPINE ISLANDS
f 07	11	51	25.9	7.204	S	122.533	E	536		6.2	1.1	178	FLORES SEA. Ma=3.0*10**18 Nm (PPT). Two events about 5.5 seconds apart observed on broadband displacement seismograms. The magnitude of the first event was computed at mb 4.9.
07	11	52	05.8*	13.958	S	75.510	W	96	*	3.8	0.9	10	PERU
07	12	28	42.1	40.193	N	23.423	E	10	G	0.9	8	GREECE	
07	12	34	56.7*	32.196	S	71.545	W	27	*		0.6	9	NEAR COAST OF CENTRAL CHILE
07	12	41	02.0%	60.036	N	151.850	W	80			39	KENAI PENINSULA, ALASKA. <AEIC>.	
07	13	47	39.1%	42.947	N	18.697	E	10	G	0.7	6	YUGOSLAVIA. ML 1.8 (TTG).	
07	14	35	10.57	30.19	N	53.41	E	33	N	3.8	1.2	6	IRAN
07	14	38	03.2%	36.840	N	121.607	W	6			12	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).	
07	14	47	54.9*	7.414	S	75.946	W	77	?	4.4	1.2	11	NORTHERN PERU
07	16	01	06.5	44.131	N	9.568	E	5	G		1.0	30	NORTHERN ITALY. ML 2.8 (LDG), 2.7 (GEN).
07	17	12	50.2	9.227	S	113.955	E	99	*	4.9	1.1	27	SOUTH OF JAVA
07	17	47	19.2	44.226	N	8.234	E	10			0.5	18	NORTHERN ITALY. ML 2.4 (LDG), 2.3 (GEN). MD 1.8 (STR).
07	19	50	18.47	39.00	N	20.24	E	10	G	0.7	6	GREECE-ALBANIA BORDER REGION	
07	20	06	33.2*	9.523	N	126.516	E	64	*	4.5 4.2	1.3	30	MINDANAO, PHILIPPINE ISLANDS
07	20	40	03.37	17.63	S	75.06	W	10	G	0.8	6	OFF COAST OF PERU	
07	20	56	21.97	43.86	N	6.55	E	10	G	1.0	4	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).	
07	23	42	01.0*	36.637	N	71.915	E	33	N	4.2	1.0	12	AFGHANISTAN-USSR BORDER REGION
08	00	04	54.8	40.629	N	15.815	E	10	G	1.4	8	SOUTHERN ITALY	
08	00	27	42.1%	42.994	N	18.661	E	10	G	0.2	7	YUGOSLAVIA. ML 1.3 (TTG).	
08	00	27	53.5*	29.295	N	96.578	E	33	N	4.8	1.5	10	INDIA-CHINA BORDER REGION
08	01	06	14.3	44.539	N	8.038	E	10	G	0.7	22	NORTHERN ITALY. ML 2.6 (GEN), 2.5 (LDG). MD 1.9 (STR).	
08	01	12	01.8*	41.005	N	43.563	E	33	N	4.2	1.3	14	TURKEY-USSR BORDER REGION

08	01	50	59.2%	15.828 N	61.096 W	96 ?	0.4	11	LEEWARD ISLANDS
08	01	58	30.0	45.676 N	150.932 E	43 D	5.5 4.9	0.8	279 KURIL ISLANDS
08	02	36	48.7*	37.762 N	20.980 E	15	3.4	1.3	18 IONIAN SEA. ML 3.4 (ATH).
08	03	16	08.9%	40.658 N	15.765 E	10 G		1.5	5 SOUTHERN ITALY
08	05	07	37.6%	60.428 N	152.646 W	118	3.1	0.9	66 SOUTHERN ALASKA. <AEIC>.
08	05	17	54.4%	34.50 S	178.90 E	230 G	4.0	0.9	15 SOUTH OF KERMADEC ISLANDS
08	06	14	22.0	34.531 N	23.892 E	33 N	4.2 3.3	1.2	56 CRETE. ML 3.9 (ATH). MD 4.3 (HLW).
08	06	41	12.2%	37.67 N	22.41 E	33 N		0.2	5 SOUTHERN GREECE. MD 3.4 (ATH).
08	07	14	29.9%	26.14 N	126.80 E	127 ?	4.4	1.5	9 RYUKYU ISLANDS
08	08	09	28.9	38.542 N	12.810 E	21		1.4	16 SICILY
08	10	54	07.8%	31.24 S	67.71 W	10 G		1.0	6 SAN JUAN PROVINCE, ARGENTINA
08	12	10	21.2%	39.185 N	27.554 E	10 G		0.8	5 TURKEY
08	12	30	47.7%	57.941 N	142.897 W	10 G			22 GULF OF ALASKA. <AEIC>. ML 2.7 (AEIC).
08	13	57	08.1%	58.574 N	152.041 W	40			33 KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
08	14	00	56.9%	39.114 N	27.634 E	10 G		0.1	5 TURKEY. MD 2.5 (ISK).
08	14	07	52.6	8.822 N	127.087 E	58 *	4.8 4.0	1.1	42 PHILIPPINE ISLANDS REGION
08	14	32	11.4%	40.548 N	28.925 E	10 G		0.5	8 TURKEY. MD 2.4 (ISK).
08	14	52	31.4	6.032 S	146.669 E	51	5.2	1.0	89 EAST PAPUA NEW GUINEA REGION
08	14	56	10.0	37.090 N	116.965 W	5 G		0.6	18 SOUTHERN NEVADA. ML 3.4 (GS).
08	15	01	11.1*	6.032 S	146.782 E	51 *		0.3	6 EAST PAPUA NEW GUINEA REGION
08	15	15	43.6*	8.891 N	127.401 E	33 N	4.3	1.1	7 PHILIPPINE ISLANDS REGION
08	18	22	36.5%	42.386 N	13.252 E	10 G		0.9	7 CENTRAL ITALY
08	19	50	36.1	8.505 N	126.744 E	58 *	4.7 4.3	1.1	32 MINDANAO, PHILIPPINE ISLANDS
08	19	52	35.7*	8.669 N	126.334 E	90 *	4.7	0.8	23 MINDANAO, PHILIPPINE ISLANDS
08	19	55	30.9*	36.801 S	144.066 E	10 G		1.1	5 VICTORIA, AUSTRALIA. ML 3.1 (TOO).
08	20	10	29.8%	17.858 N	66.778 W	10 G		0.2	5 PUERTO RICO REGION
08	20	33	48.7%	59.598 N	153.005 W	96	3.3		77 SOUTHERN ALASKA. <AEIC>.
08	21	21	51.0	39.235 N	23.575 E	10 G		1.1	17 AEGEAN SEA. ML 2.9 (ATH).
08	21	24	53.6%	60.918 N	138.322 W	2			19 SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 3.2 (AEIC).
08	21	36	23.9%	8.66 N	126.62 E	33 N	4.6	0.4	5 MINDANAO, PHILIPPINE ISLANDS
08	22	19	29.8*	39.077 N	26.378 E	10 G		0.9	10 TURKEY. MD 3.4 (ISK). 3.2 (ATH).
09	00	23	35.7%	38.71 N	28.83 E	10 G		0.6	5 TURKEY. MD 2.5 (ISK).
09	00	27	24.6%	36.973 N	121.740 W	12			12 CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
09	00	32	10.7%	38.626 N	111.833 W	8			2 UTAH. <SLC-P>. MD 2.9 (SLC).
09	00	34	03.3	46.334 N	1.785 E	21		0.9	28 FRANCE. MD 3.3 (UCC).
09	00	43	23.2%	46.363 N	1.875 E	12		0.8	14 FRANCE
09	00	49	37.9%	46.301 N	1.853 E	14		0.7	13 FRANCE
09	00	50	39.2%	46.308 N	1.827 E	12		0.4	10 FRANCE
09	00	57	16.8	43.251 N	17.686 E	9		1.1	22 YUGOSLAVIA. ML 3.1 (LJU). 2.8 (TTG).
09	01	00	39.4%	45.925 N	3.108 E	10 G		0.3	11 FRANCE. MD 1.5 (STR).
09	03	27	01.2	36.471 N	71.266 E	33 N	4.8	1.2	48 AFGHANISTAN-USSR BORDER REGION
09	03	58	59.3%	16.53 N	100.10 W	33 N		0.9	5 NEAR COAST OF GUERRERO, MEXICO
09	04	25	58.3*	22.055 S	68.531 W	130 *	4.4	1.1	9 NORTHERN CHILE
09	04	30	40.4*	37.296 N	143.137 E	33 N	3.9	0.9	5 OFF EAST COAST OF HONSHU, JAPAN
09	05	26	23.5%	38.89 N	6.25 E	10 G		1.1	9 WESTERN MEDITERRANEAN SEA
09	05	48	18.7	8.810 N	127.174 E	33 N	5.0 4.8	0.9	65 PHILIPPINE ISLANDS REGION
09	06	00	52.9	52.656 N	160.325 E	31 D	4.8 4.6	1.1	94 OFF EAST COAST OF KAMCHATKA
09	06	15	45.5%	43.092 N	0.504 W	10 G		0.2	7 PYRENEES. MD 2.1 (STR).
09	07	17	53.8%	46.319 N	1.852 E	12		0.9	13 FRANCE
f 09	07	45	02.1	20.252 S	176.218 W	266 G	6.1	1.0	626 FIJI ISLANDS REGION. Mo=4.0*10**19 Nm (PPT). Depth from broadband displacement seismograms.
09	08	54	20.5%	46.39 N	1.84 E	10 G		0.5	4 FRANCE
09	09	34	04.4*	40.436 N	21.840 E	10 G		0.3	5 GREECE
09	10	15	50.3	4.361 S	153.068 E	33 N	4.9	1.2	34 NEW IRELAND REGION
09	10	57	08.8	80.154 N	0.847 E	27 D	4.9 4.8	1.1	105 NORTH OF SVALBARD
09	11	01	33.9	40.100 S	174.393 E	109 D	5.4	1.2	85 COOK STRAIT, NEW ZEALAND. Felt widely in central New Zealand.
09	11	21	51.6*	4.692 S	129.871 E	33 N		1.4	9 BANDA SEA
09	12	56	19.1	17.873 S	69.273 W	148	4.9	1.5	27 PERU-BOLIVIA BORDER REGION
09	13	01	42.9%	46.044 N	2.895 E	10 G		0.5	7 FRANCE
09	13	08	35.8%	39.322 N	28.946 E	10 G		1.1	6 TURKEY. MD 2.4 (ISK).
09	14	13	36.9%	41.930 N	13.308 E	10 G		0.1	5 SOUTHERN ITALY
09	15	05	42.8*	27.140 N	67.087 E	33 N	4.7	1.3	14 PAKISTAN
09	15	45	03.5%	43.023 N	19.295 E	10 G		0.5	9 YUGOSLAVIA. ML 1.9 (TTG).
09	16	13	02.8	3.542 S	131.023 E	31 D	5.1 4.5	1.1	48 WEST IRIAN REGION
09	16	25	18.6	37.128 N	4.929 W	5 G		1.4	17 SPAIN. mblg 3.5 (MDD). Felt (II) at Martin de la Jara.
09	16	28	05.9*	36.256 N	141.724 E	29	4.4	1.4	21 NEAR EAST COAST OF HONSHU, JAPAN
09	16	28	19.8	36.349 N	141.222 E	61 *	4.7	1.2	46 NEAR EAST COAST OF HONSHU, JAPAN
09	17	00	03.6	48.601 N	5.854 E	10 G		0.7	9 FRANCE. MD 1.7 (STR).
09	17	21	20.8%	38.87 N	25.96 E	10 G		0.4	7 AEGEAN SEA. MD 3.4 (ISK).
09	17	31	52.9%	46.001 N	2.909 E	10 G		0.7	7 FRANCE
09	17	43	34.8%	48.634 N	5.835 E	10 G		0.3	6 FRANCE
09	18	47	16.3	45.477 N	6.641 E	10 G		0.2	8 FRANCE. ML 2.4 (GEN).
09	19	58	10.1*	31.672 S	70.182 W	30 *		1.3	8 CHILE-ARGENTINA BORDER REGION
09	20	14	53.0%	9.65 N	123.59 E	33 N	4.5	0.9	7 NEGROS, PHILIPPINE ISLANDS
09	20	39	33.8	12.627 N	95.110 E	24 D	5.0 5.0	1.0	124 ANDAMAN ISLANDS REGION
09	21	01	42.0%	46.18 N	2.51 E	10 G		0.2	4 FRANCE
09	21	21	06.0	44.790 N	7.633 E	10 G		0.7	17 NORTHERN ITALY. ML 2.4 (GEN).
09	23	59	23.5%	43.860 N	12.074 E	10 G		0.9	7 CENTRAL ITALY
10	00	05	09.4%	42.452 N	19.130 E	10 G		0.8	8 YUGOSLAVIA. ML 1.7 (TTG).
10	00	09	48.6%	62.993 N	150.140 W	90			42 CENTRAL ALASKA. <AEIC>.
10	03	28	17.9%	15.449 N	60.747 W	10 G		0.2	8 LEEWARD ISLANDS. ML 2.5 (FDF).
10	04	02	39.3	36.004 N	21.492 E	50 ?	3.6	1.0	22 SOUTHERN GREECE. MD 3.8 (ATH).
10	04	33	41.9%	17.574 N	99.239 W	33 N		0.5	6 GUERRERO, MEXICO
10	04	37	40.5%	15.80 N	60.45 W	10 G		0.4	6 LEEWARD ISLANDS. ML 2.4 (FDF).
10	05	14	21.9%	43.46 N	8.05 E	10 G		0.3	8 CORSICA. ML 2.6 (GEN).
10	06	29	24.9%	44.36 N	7.32 E	10 G		0.4	4 NORTHERN ITALY. ML 1.7 (GEN).
010	06	39	48.0	52.519 N	160.626 E	34 D	5.0 4.8	1.1	145 OFF EAST COAST OF KAMCHATKA
10	07	14	35.0%	60.256 N	152.186 W	86			44 SOUTHERN ALASKA. <AEIC>.
10	08	34	47.5*	12.160 N	120.607 E	29 *	4.8 3.9	1.4	19 MINDORO, PHILIPPINE ISLANDS
10	08	52	10.8*	36.956 N	29.476 E	10 G		0.6	5 TURKEY. MD 3.3 (ISK).
10	09	52	09.5%	16.276 N	61.250 W	28 *		0.2	7 LEEWARD ISLANDS. ML 2.3 (FDF).

10	10	49	31.4&	61.444 N	151.596 W	89				54	SOUTHERN ALASKA. <AEIC>.
10	10	51	25.2	31.138 S	69.852 W	124			0.9	18	SAN JUAN PROVINCE, ARGENTINA
10	11	25	56.2%	43.043 N	18.678 E	10 G			0.3	7	YUGOSLAVIA. ML 1.4 (TTG).
10	13	28	04.4	26.842 S	26.724 E	5 G	4.8		1.0	24	REPUBLIC OF SOUTH AFRICA. mbLg 4.1 (BUL).
10	13	33	07.5%	44.217 N	9.619 E	10 G			0.8	7	NORTHERN ITALY
10	14	15	41.7?	31.99 S	69.46 W	100 ?			0.2	5	SAN JUAN PROVINCE, ARGENTINA
10	14	33	27.0?	36.81 N	28.07 E	77 ?			0.6	5	DODECANESE ISLANDS. MD 3.4 (ISK).
10	17	15	46.5?	30.92 N	51.95 E	33 N	4.5		1.1	10	IRAN
f	10	17	35	49.4	23.771 N	45.368 W	10 G	6.1 6.5	0.8	557	NORTH ATLANTIC RIDGE. Ms 6.8 (BRK). Mo=6.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
10	17	37	04.0*	7.477 S	128.473 E	142 *	5.0		1.2	20	BANDA SEA
10	18	31	50.6?	39.13 N	23.66 E	10 G			0.2	5	AEGEAN SEA
10	19	42	04.3	38.172 N	23.374 E	10 G			0.8	16	GREECE. MD 3.1 (ATH).
10	19	54	07.3	43.756 N	13.174 E	10 G			0.6	13	CENTRAL ITALY
10	19	58	17.0?	40.01 N	24.06 E	10 G			0.4	5	AEGEAN SEA
10	20	01	41.2%	38.621 N	27.367 E	10 G			1.0	11	TURKEY. MD 3.4 (ISK).
10	20	19	18.8*	17.813 S	174.232 W	90 D	4.5		0.9	21	TONGA ISLANDS
10	20	31	14.1*	15.564 N	60.572 W	66 ?			0.6	9	LEEWARD ISLANDS
10	20	48	07.9*	21.101 S	68.920 W	146 *	4.4		0.8	13	CHILE-BOLIVIA BORDER REGION
10	20	48	49.6?	13.00 N	89.35 W	33 N			0.2	7	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.
10	20	57	44.1&	60.045 N	151.535 W	46				35	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
10	21	07	13.4%	38.577 N	31.357 E	10 G			0.3	7	TURKEY. MD 3.2 (ISK).
10	21	30	11.9	29.266 N	80.281 E	58 *	4.6		1.2	25	NEPAL-INDIA BORDER REGION
10	21	48	53.6%	39.404 N	23.505 E	10 G			0.4	9	AEGEAN SEA
10	22	09	35.5?	16.03 N	98.86 W	33 N			1.2	5	NEAR COAST OF GUERRERO, MEXICO
10	22	09	49.5?	43.92 N	7.32 E	10 G			0.3	4	NEAR SOUTH COAST OF FRANCE. MD 1.0 (STR).
10	23	24	44.5	44.599 N	8.582 E	5 G			1.2	15	NORTHERN ITALY. ML 2.5 (LDG), 2.4 (GEN).
10	23	39	17.6?	18.46 S	69.85 W	130 ?	4.3		1.4	9	NORTHERN CHILE
10	23	55	35.8*	37.076 N	29.422 E	10 G			1.5	5	TURKEY. MD 3.2 (ISK).
11	00	27	09.2*	30.350 S	71.884 W	78 *	4.8		1.1	18	NEAR COAST OF CENTRAL CHILE
11	00	42	23.3?	11.66 S	163.53 E	33 N	3.8		1.6	6	SOLOMON ISLANDS
11	02	12	43.2	40.107 N	19.839 E	8			1.0	36	ALBANIA. MD 3.3 (ATH). ML 3.2 (TTG).
11	02	21	26.4&	61.671 N	150.784 W	58				49	SOUTHERN ALASKA. <AEIC>.
11	02	34	58.5	16.760 N	120.709 E	116 D	5.0		1.1	90	LUZON, PHILIPPINE ISLANDS
o	11	05	26	31.1	8.403 N	103.021 W	10 G	5.3 5.8	1.3	113	OFF COAST OF MEXICO. Ms 6.0 (BRK). Mo=1.0*10**18 Nm (PPT).
11	06	07	49.6*	40.187 N	19.831 E	5 G			1.6	8	ALBANIA MD 3.1 (ATH).
o	11	07	16	34.4	84.401 N	108.249 E	27 D	5.5 5.3	0.9	326	NORTH OF SEVERNAYA ZEMLYA. Ms 5.5 (BRK). Mo=4.0*10**17 Nm (PPT).
11	07	29	16.0&	32.230 N	115.590 W	6 G				5	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
11	07	44	03.9	8.738 N	127.085 E	35 D	5.0		1.1	56	

12	07 59 35.9	44.401 N	28.229 W	10 G	4.9 4.1	1.0	123	NORTH ATLANTIC RIDGE
12	08 17 00.9?	15.56 N	60.50 W	33 N		0.0	5	LEEWARD ISLANDS. ML 2.6 (FDF).
12	08 37 39.9?	35.58 S	176.99 W	33 N	5.1	1.3	21	EAST OF NORTH ISLAND, N.Z.
12	09 55 02.9?	40.54 N	26.15 E	10 G		0.7	4	TURKEY. MD 3.1 (ISK).
12	10 37 26.4	44.123 N	6.993 E	10 G		0.4	17	FRANCE. ML 2.5 (LDG).
12	10 45 32.8	38.539 N	17.228 E	10 G		1.1	15	SOUTHERN ITALY
12	11 12 38.5?	39.15 N	27.60 E	10 G		0.7	4	TURKEY
12	11 48 51.3*	37.153 N	28.326 E	10 G		1.0	5	TURKEY. MD 3.2 (ISK).
12	12 21 23.7?	42.745 N	19.149 E	10 G		0.5	7	YUGOSLAVIA. ML 1.6 (TTG).
12	12 28 02.2?	45.947 N	2.895 E	10 G		0.4	8	FRANCE. ML 2.0 (LDG).
12	13 25 36.4?	39.148 N	27.218 E	10 G		0.6	5	TURKEY. MD 2.6 (ISK).
12	13 31 46.8?	44.621 N	6.939 E	10 G		1.2	5	FRANCE
12	14 03 23.4?	44.407 N	7.525 E	10 G		0.4	5	NORTHERN ITALY. ML 2.3 (LDG).
12	14 45 30.7?	2.50 S	76.84 W	33 N		0.9	7	PERU-ECUADOR BORDER REGION
12	14 50 20.1	7.689 N	126.590 E	84 *	5.1	1.1	59	MINDANAO, PHILIPPINE ISLANDS
12	15 21 54.0?	42.109 N	19.364 E	10 G		0.3	6	YUGOSLAVIA. ML 1.7 (TTG).
12	16 35 59.0?	39.562 N	26.205 E	10 G		0.4	8	TURKEY. MD 3.6 (ISK).
12	17 14 01.5?	39.57 N	26.28 E	10 G		0.3	4	TURKEY. MD 3.2 (ISK).
12	18 06 19.9	47.218 N	154.041 E	33 N	5.1	1.0	38	KURIL ISLANDS
12	18 56 51.8?	39.02 N	24.28 E	10 G		0.2	8	AEGEAN SEA
12	19 22 53.7?	43.956 N	10.902 E	10 G		0.6	9	CENTRAL ITALY
12	20 08 06.4?	36.50 N	71.89 E	33 N	3.9	0.9	5	AFGHANISTAN-USSR BORDER REGION
a 12	20 11 35.0	42.789 N	143.329 E	109 G	5.7	0.8	506	HOKKAIDO, JAPAN REGION. mb 5.8 (BRK). Mo=5.0*10**17 Nm (PPT). Felt (III) at Misawa. Also felt (III) at Severo-Kurilsk, Kuril Islands. Depth from broadband displacement seismograms.
12	20 20 47.4?	16.007 N	61.245 W	26 *		0.1	6	LEEWARD ISLANDS. ML 1.8 (FDF).
12	21 05 25.7?	40.617 N	15.394 E	10 G		0.9	5	SOUTHERN ITALY
12	22 03 15.2	41.099 N	22.421 E	5 G		0.9	16	YUGOSLAVIA. ML 2.2 (SKO).
12	22 41 43.7?	44.181 N	7.080 E	10 G		0.1	5	NORTHERN ITALY
12	22 57 43.5	41.098 N	22.079 E	5 G		0.6	10	YUGOSLAVIA
12	23 26 52.1*	38.464 N	9.073 W	11		1.3	14	PORTUGAL. mbLg 3.2 (MDD).
13	00 10 34.7*	16.289 S	167.379 E	33 N	4.9	1.1	25	VANUATU ISLANDS
13	00 17 48.7?	62.500 N	149.225 W	0			6	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
13	01 01 17.0?	42.206 N	6.599 W	10 G		1.3	8	SPAIN. mbLg 3.1 (MDD).
13	01 01 23.6?	43.615 N	11.024 E	10 G		0.7	6	CENTRAL ITALY
13	01 11 44.2	39.113 N	23.378 E	9		0.9	13	AEGEAN SEA
13	01 16 13.4*	5.411 S	154.298 E	419 *	5.0	0.9	17	SOLOMON ISLANDS
13	01 22 45.3	59.922 N	152.322 W	70 D	4.9	0.9	138	SOUTHERN ALASKA. Felt (V) at Port Graham; (IV) at Homer and Ninilchik; (III) at Kasilaf, Kenai and Pedro Bay.
13	01 27 04.5*	2.968 N	126.469 E	33 N	4.9	1.5	25	MOUCCA PASSAGE
13	01 29 43.4*	15.570 S	70.264 W	225 *	4.1	1.5	12	SOUTHERN PERU
13	02 20 27.6?	17.219 N	99.580 W	10 G		0.7	7	GUERRERO, MEXICO
13	02 48 15.9?	57.991 N	145.604 W	10 G			4	GULF OF ALASKA. <AEIC>. ML 2.8 (AEIC).
13	03 55 54.3?	33.030 N	117.740 W	6 G			8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
13	04 03 29.8	43.168 N	0.002 E	18		1.0	42	FRANCE. ML 3.8 (LDG). mbLg 3.5 (MDD). Felt (IV) at Bigorre.
13	04 10 07.9	39.405 N	28.038 E	10 G		0.6	9	TURKEY. MD 3.1 (ISK).
13	06 30 26.3	43.369 N	8.411 E	13		0.9	23	CORSICA. ML 3.0 (LDG).
13	08 01 59.9*	6.295 S	130.279 E	135 *	4.9	1.3	15	BANDA SEA
13	08 13 41.5?	43.12 N	0.56 W	10 G		0.3	4	PYRENEES. MD 1.0 (STR).
13	08 50 58.3?	40.84 N	30.05 E	10 G		0.8	4	TURKEY. MD 2.6 (ISK).
13	09 07 30.9?	40.66 N	22.98 E	5 G		0.3	4	GREECE
13	09 49 34.1*	36.272 N	71.097 E	152 ?	4.6	0.5	13	AFGHANISTAN-USSR BORDER REGION
13	10 18 58.4*	40.220 N	77.919 E	33 N	4.9	1.4	19	KIRGHIZ-XINJIANG BORDER REGION
13	10 48 22.4*	67.698 N	19.758 E	10 G		1.6	9	SWEDEN. MD 2.8 (BER).
13	11 08 30.8?	59.728 N	152.920 W	102			47	SOUTHERN ALASKA. <AEIC>.
13	11 20 09.5*	36.459 N	26.502 E	148 ?		0.6	9	DODECANESE ISLANDS. MD 3.4 (ATH).
13	11 33 13.7*	28.860 S	69.509 W	98 *	4.5	1.4	24	CHILE-ARGENTINA BORDER REGION
13	11 45 07.8*	18.167 S	168.481 E	56 D	4.0	1.3	23	VANUATU ISLANDS
13	11 46 40.6?	14.97 N	97.84 W	33 N		1.6	7	OFF COAST OF OAXACA, MEXICO. Felt in the Chacahua Lagoon area.
13	12 04 03.0?	17.10 N	61.22 W	33 N		0.5	4	LEEWARD ISLANDS
13	12 30 40.9*	37.886 N	70.628 E	33 N	4.2	1.6	8	AFGHANISTAN-USSR BORDER REGION
13	12 34 40.8?	16.49 N	61.32 W	33 N		0.2	4	LEEWARD ISLANDS. ML 2.0 (FDF).
13	12 36 55.7?	40.442 N	124.922 W	11			12	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK).
13	12 40 20.5?	40.447 N	28.678 E	10 G		0.7	9	TURKEY. MD 3.0 (ISK).
13	13 28 36.3?	39.11 N	27.61 E	10 G		1.5	4	TURKEY. MD 2.5 (ISK).
13	13 44 15.9	38.550 N	21.484 E	10 G		1.2	13	GREECE. MD 3.1 (ATH).
13	14 11 38.4?	43.08 N	0.37 W	10 G		0.2	4	PYRENEES. MD 1.0 (STR).
13	14 58 59.9	40.791 N	27.403 E	10 G		0.5	8	TURKEY. MD 3.1 (ISK).
13	15 49 25.1	44.540 N	7.084 E	10 G		0.5	34	NORTHERN ITALY. ML 3.1 (LDG).
13	16 26 57.3*	52.625 N	160.560 E	33 N	4.8 4.2	1.2	34	OFF EAST COAST OF KAMCHATKA
a 13	17 18 45.9	19.950 S	175.717 W	215 D	5.5	1.1	222	TONGA ISLANDS. Mo=1.3*10**18 Nm (PPT).
13	17 20 48.7?	54.107 N	161.387 W	25			1	ALASKA PENINSULA. <PAL>. MD 3.2 (PAL).
13	18 05 00.2	39.022 N	30.260 E	10 G		1.0	17	TURKEY. MD 3.5 (ISK).
13	18 05 39.2*	30.921 N	142.559 E	33 N	4.7	0.9	8	SOUTH OF HONSHU, JAPAN
13	19 07 23.2*	26.092 S	27.941 E	5 G		1.3	8	REPUBLIC OF SOUTH AFRICA. mbLg 3.9 (BUL).
13	19 12 05.4	38.899 N	27.023 E	10 G		0.8	11	TURKEY. MD 3.2 (ISK).
13	21 04 08.3?	33.93 S	71.56 W	9		1.0	10	NEAR COAST OF CENTRAL CHILE. Felt (II) at Rancagua and Santiago.
13	21 21 49.1?	64.662 N	134.740 W	18 G	4.1		70	SOUTHERN YUKON TERRITORY, CANADA. <PGC>. ML 4.7 (PGC).
13	22 08 10.3?	17.53 N	94.57 W	33 N		0.4	6	CHIAPAS, MEXICO
13	22 15 25.1?	43.071 N	0.684 W	10 G		0.1	8	PYRENEES. MD 1.0 (STR).
13	22 17 34.4?	60.542 N	152.775 W	7			45	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
13	22 21 48.3	49.150 N	6.928 E	10 G		1.4	11	GERMANY. MD 2.5 (STR).
13	22 42 06.4	41.650 N	19.751 E	10 G		1.0	20	ALBANIA. ML 2.6 (TTG).
14	00 06 07.8*	5.006 S	139.247 E	33 N	4.7	1.6	10	WEST IRIAN
14	00 42 19.5*	5.991 S	134.344 E	33 N	4.8	1.3	13	AROE ISLANDS REGION
14	01 01 01.3	5.220 S	134.089 E	21 D	5.1	0.9	49	AROE ISLANDS REGION
14	01 55 43.5*	10.450 N	61.928 W	33 N		1.2	8	TRINIDAD. MD 3.5 (TRN). Felt on Trinidad.
14	02 01 55.5	19.987 N	122.079 E	31 D	4.6	1.4	64	PHILIPPINE ISLANDS REGION
14	02 03 43.2	45.423 N	6.498 E	10 G		1.0	33	FRANCE. ML 3.0 (LDG).

14	02 34 55.87	50.28 N	18 88 E	10 G	1.5	5	POLAND. ML 3.2 (VKA).
14	03 28 38.9	44.740 N	6.791 E	10 G	0.8	16	FRANCE. ML 2.3 (LDG).
14	03 31 10.67	16.63 N	100.24 W	10 G	1.0	6	NEAR COAST OF GUERRERO, MEXICO. Felt in Guerrero.
14	05 41 59.4	51.812 N	178.471 E	33 N	4.7 4.5	0.9	31 RAT ISLANDS, ALEUTIAN ISLANDS
14	06 14 03.0%	60.389 N	5.314 E	5 G	0.5	9	SOUTHERN NORWAY
14	08 34 48.1	3.008 S	138.630 E	77 D	5 1	1.1	80 WEST IRIAN
14	08 42 33.3%	39.125 N	27.646 E	10 G	1.1	5	TURKEY. MD 2.7 (ISK).
14	08 49 30.57	39.12 N	27.64 E	10 G	0.4	4	TURKEY. MD 2.7 (ISK).
14	09 19 08.3	43.722 N	6.992 E	10 G	0.6	11	NEAR SOUTH COAST OF FRANCE
14	09 20 15.6%	40.604 N	99.467 E	10 G	1.7	5	NORTHERN CHINA. ML 3.1 (BJI).
14	09 22 09.2%	39.747 N	29.430 E	10 G	0.7	6	TURKEY. MD 2.8 (ISK).
14	09 28 31.9%	46.851 N	6.830 E	10 G	0.2	5	SWITZERLAND. ML 2.8 (LDG).
14	09 42 19.3	39.121 N	23.419 E	6	3.9	0.9	55 AEGEAN SEA. ML 4.0 (ATH). MD 3.7 (THE).
14	11 09 06.1%	33.160 N	115.640 W	1		13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
14	11 59 39.6%	47.946 N	152.837 E	98 *	4.6	0.7	52 KURIL ISLANDS
14	12 04 51.97	6.64 S	147.74 E	64 *	4.6	0.6	10 EAST PAPUA NEW GUINEA REGION
14	12 22 47.3%	32.537 S	122.379 E	10 G	4.3	1.5	11 WESTERN AUSTRALIA
14	12 35 34.2	39.392 N	138.957 E	33 N	4.9	1.0	71 EASTERN SEA OF JAPAN
14	13 28 33.7%	39.436 N	138.823 E	32	4.2 4.5	0.8	11 EASTERN SEA OF JAPAN
14	14 08 09.4	49.118 N	6.870 E	5 G		0.6	11 GERMANY
14	15 10 03.17	40.70 N	23.02 E	5 G		1.7	4 GREECE
14	15 13 24.1%	4.109 S	153.726 E	152 *	4.8	1.4	13 NEW IRELAND REGION
14	15 28 48.3%	37.530 N	121.693 W	6		14	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=1.4*10**14 Nm (BRK).
14	15 30 11.0%	54.130 N	161.357 W	25	4.2		5 ALASKA PENINSULA. <PAL>.
14	16 17 59.3%	38.866 N	25.989 E	10 G		0.7	9 AEGEAN SEA. MD 3.6 (ISK). 3.2 (ATH).
14	16 36 15.0	41.046 N	22.479 E	10 G		1.1	6 YUGOSLAVIA. ML 1.6 (SKO).
14	16 51 21.07	17.71 S	179.12 W	672 ?	4.9	0.7	13 FIJI ISLANDS REGION
14	17 37 09.0%	36.450 N	141.524 E	47 ?	4.6	1.2	17 NEAR EAST COAST OF HONSHU, JAPAN
14	17 59 57.8%	21.944 S	138.988 W	0 G	5.2	1.3	99 TUAMOTU ARCHIPELAGO REGION
14	19 09 04.2	5.283 S	134.225 E	33 N	4.8	1.1	38 AROE ISLANDS REGION
14	19 23 52.5	15.639 S	69.474 W	261	4.4	1.0	29 PERU-BOLIVIA BORDER REGION
14	19 31 35.5%	60.133 N	141.281 W	8			16 SOUTHEASTERN ALASKA. <AEIC>. ML 3.0 (AEIC).
14	19 34 10.4%	56.049 N	160.259 E	33 N	4.6	1.5	19 KAMCHATKA
14	19 42 10.8	51.661 N	178.404 E	33 N	4.2	0.8	18 RAT ISLANDS, ALEUTIAN ISLANDS
o 14	20 06 50.2	20.070 S	175.986 W	225 D	5.2	1.0	139 TONGA ISLANDS
14	22 52 11.7%	45.112 N	7.369 E	10 G		0.6	5 NORTHERN ITALY
15	00 00 20.5	44.658 N	6.947 E	7		0.7	20 FRANCE. ML 2.2 (LDG).
f 15	00 59 20.3	42.461 N	44.009 E	9 G	6.1 6.1	1.2	458 WESTERN CAUCASUS. Ms 6.5 (BRK). Mo=4.0*10**18 Nm (PPT). At least 8 people killed, 200 injured and extensive damage (VIII) in the Dzhava-Tskhinvali area, USSR. Felt (VI) at Kutaisi, Sukhumi and Tbilisi and (V) in northwestern Azerbaijan. Landslides occurred at Khietli. Two events about 2 seconds apart. Depth from broadband displacement seismograms, based on second event.
15	01 11 44.3	39.166 N	23.468 E	10 G	4.5	1.2	53 AEGEAN SEA. ML 4.0 (ATH)
a 15	01 13 21.4	58.285 S	24.183 W	52 D	5.8	1.2	190 SOUTH SANDWICH ISLANDS REGION. Ms 6.3 (BRK). Mo=5.0*10**18 Nm (PPT).
15	01 21 41.8	39.486 N	141.747 E	72	5.0	1.2	104 HONSHU, JAPAN. Felt (IV JMA) at Ofunata, (III JMA) at Hachinohe and Morioka, (II JMA) at Sakata and (I JMA) at Akita, Fukushima, Sendai and Utsunomiya.
15	01 37 12.8%	6.203 S	145.921 E	117	4.3	1.1	11 PAPUA NEW GUINEA
15	02 01 50.17	35.70 N	70.68 E	33 N	4.2	0.6	9 HINDU KUSH REGION
15	02 52 35.7%	67.705 N	15.039 E	10 G		1.1	6 NORTHERN NORWAY. MD 2.8 (BER).
15	03 47 25.5	16.690 N	60.856 W	10		0.7	16 LEEWARD ISLANDS. MD 3.8 (TRN). ML 3.7 (FDF).
15	03 55 06.2%	40.970 N	22.932 E	10 G		1.2	7 GREECE
15	03 59 56.07	20.80 S	178.27 W	550 G	4.6	0.7	13 FIJI ISLANDS REGION
15	04 04 35.2%	60.067 N	152.414 W	81			39 SOUTHERN ALASKA. <AEIC>.
15	04 12 12.0	39.323 N	23.861 E	14	3.6	1.3	44 AEGEAN SEA. MD 4.0 (ATH). 4.0 (ISK).
15	04 45 03.4%	39.142 N	23.512 E	10 G		0.6	6 AEGEAN SEA. MD 3.0 (ATH).
15	05 17 06.0%	36.352 N	70.602 E	224 ?	4.2	0.5	11 HINDU KUSH REGION
15	05 20 09.87	18.05 N	76.88 W	10 G		0.3	4 JAMAICA REGION. MD 2.6 (HOJ).
15	05 28 13.4%	38.810 N	122.765 W	6		1.2	12 NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
15	05 49 45.3%	28.083 N	129.864 E	33 *	4.4 4.4	1.5	22 RYUKYU ISLANDS
15	05 57 43.87	39.02 N	21.03 E	10 G		1.3	12 GREECE
15	06 23 25.8%	42.998 N	18.679 E	10 G		0.3	5 YUGOSLAVIA. ML 1.5 (TTG).
15	07 20 53.5	40.454 N	23.535 E	10 G		0.6	12 GREECE
15	07 27 48.5%	11.066 S	163.617 E	37 *	4.6	1.4	25 SOLOMON ISLANDS
15	07 39 09.5	15.171 N	120.310 E	10 G	5.1 4.7	1.2	102 LUZON, PHILIPPINE ISLANDS
15	07 58 57.1%	39.134 N	27.662 E	5 G		0.3	5 TURKEY. MD 2.9 (ISK).
15	08 16 19.27	14.81 N	119.78 E	10 G	4.5	1.0	4 LUZON, PHILIPPINE ISLANDS
15	08 43 10.37	15.08 N	120.74 E	10 G	4.5	0.9	5 LUZON, PHILIPPINE ISLANDS
15	09 06 46.4%	15.188 N	120.534 E	10 G	4.5 4.1	1.6	17 LUZON, PHILIPPINE ISLANDS
15	09 18 39.97	31.57 S	69.23 W	100 G		0.4	4 SAN JUAN PROVINCE, ARGENTINA
15	09 31 18.67	14.86 N	119.71 E	10 G	4.5	1.7	4 LUZON, PHILIPPINE ISLANDS
15	09 48 56.2%	14.850 N	119.977 E	10 G	4.4	1.3	6 LUZON, PHILIPPINE ISLANDS
15	09 52 44.6%	15.177 N	120.176 E	10 G	4.9	1.6	24 LUZON, PHILIPPINE ISLANDS
15	10 21 38.5%	14.737 N	119.391 E	10 G	4.6	1.3	6 LUZON, PHILIPPINE ISLANDS
15	10 31 23.2%	15.383 N	120.478 E	10 G	4.7	1.4	18 LUZON, PHILIPPINE ISLANDS
a 15	10 41 14.2	15.316 N	120.522 E	10 G	5.5 5.4	1.1	208 LUZON, PHILIPPINE ISLANDS
15	10 46 07.67	15.16 N	120.47 E	10 G	4.8	0.8	6 LUZON, PHILIPPINE ISLANDS
15	10 48 22.4%	40.738 N	23.417 E	10 G		1.0	7 GREECE
15	11 03 49.57	14.95 N	120.24 E	10 G	4.7	1.1	4 LUZON, PHILIPPINE ISLANDS
15	11 11 18.4	15.061 N	120.543 E	10 G	5.0	1.2	42 LUZON, PHILIPPINE ISLANDS
a 15	11 15 28.0	15.119 N	120.355 E	10 G	5.7 5.5	1.0	213 LUZON, PHILIPPINE ISLANDS. Felt at Manila. This is the largest of a series of earthquakes associated with the eruption of Pinatuba Volcano. At least 137 people were killed and extensive damage was caused in Zambales Province by the eruptions.
15	11 27 08.27	14.60 N	120.73 E	10 G	4.6	0.9	6 LUZON, PHILIPPINE ISLANDS
15	11 30 28.1	41.615 N	19.698 E	10 G		0.9	39 ALBANIA. ML 3.1 (TTG).
15	11 32 20.3%	15.214 N	120.336 E	10 G	5.0	1.4	33 LUZON, PHILIPPINE ISLANDS
15	11 34 31.97	15.11 N	120.73 E	10 G	4.5	0.9	4 LUZON, PHILIPPINE ISLANDS

15	11	37	36.8%	39.073	N	23.307	E	10	G		0.3	6	AEGEAN SEA	
15	11	44	58.97	14.65	N	121.04	E	10	G	4.7	1.6	7	LUZON, PHILIPPINE ISLANDS	
15	11	48	13.67	15.26	N	120.76	E	10	G	4.7	0.4	5	LUZON, PHILIPPINE ISLANDS	
15	12	05	01.87	14.90	N	120.50	E	10	G	4.6	1.2	16	LUZON, PHILIPPINE ISLANDS	
15	12	18	25.17	15.08	N	120.50	E	10	G	4.7	0.6	4	LUZON, PHILIPPINE ISLANDS	
15	12	18	34.07	31.68	S	69.09	W	140	?		1.0	8	SAN JUAN PROVINCE, ARGENTINA	
15	12	23	44.37	15.20	N	120.77	E	10	G	4.5	1.0	6	LUZON, PHILIPPINE ISLANDS	
15	12	25	30.7	15.046	N	120.573	E	10	G	5.0	0.9	59	LUZON, PHILIPPINE ISLANDS	
15	12	51	30.8*	15.174	N	120.294	E	10	G	4.7	1.5	24	LUZON, PHILIPPINE ISLANDS	
15	12	53	35.8%	44.343	N	10.723	E	10	G		1.2	7	NORTHERN ITALY	
15	12	55	41.4%	41.203	N	28.981	E	10	G		0.7	6	TURKEY. MD 3.0 (ISK).	
15	13	13	30.17	14.81	N	119.73	E	10	G	4.6	1.0	4	LUZON, PHILIPPINE ISLANDS	
15	13	14	36.57	39.09	N	27.62	E	10	G		0.1	4	TURKEY. MD 2.6 (ISK).	
15	13	20	26.47	14.71	N	120.98	E	10	G	4.5	1.0	5	LUZON, PHILIPPINE ISLANDS	
15	13	26	13.37	14.92	N	119.81	E	10	G	4.5	0.9	4	LUZON, PHILIPPINE ISLANDS	
15	13	39	20.17	15.12	N	120.57	E	10	G	4.6	1.5	6	LUZON, PHILIPPINE ISLANDS	
15	13	42	15.57	15.11	N	120.35	E	10	G	4.6	1.4	12	LUZON, PHILIPPINE ISLANDS	
15	13	48	43.1	15.075	N	120.607	E	10	G	4.9	1.1	40	LUZON, PHILIPPINE ISLANDS	
15	14	18	13.67	15.16	N	120.42	E	10	G	4.3	0.2	5	LUZON, PHILIPPINE ISLANDS	
15	14	23	25.1*	14.974	N	120.545	E	10	G	4.7	1.3	16	LUZON, PHILIPPINE ISLANDS	
15	16	32	27.2	38.927	N	105.599	E	28	*	5.1	1.1	39	NORTHERN CHINA. ML 4.7 (BJI).	
15	16	32	31.6%	40.406	N	23.376	E	10	G		0.7	6	GREECE	
15	16	48	56.3%	54.904	N	163.374	W	73				1	UNIMAK ISLAND REGION. <PAL>. MD 3.2 (PAL).	
15	17	01	55.0	52.632	N	160.535	E	29	D	5.0 4.8	1.0	149	OFF EAST COAST OF KAMCHATKA	
15	17	27	19.7	35.837	N	10.410	W	37		4.8	1.0	171	NORTH ATLANTIC OCEAN. MD 4.5 (RBA).	
15	17	27	24.07	53.33	N	167.08	W	33	N	4.4	0.9	15	FOX ISLANDS, ALEUTIAN ISLANDS	
15	17	42	12.5*	31.175	N	86.582	E	33	N	4.4 4.1	1.2	13	TIBET	
15	17	42	32.4*	15.244	N	120.565	E	10	G	4.5	1.4	10	LUZON, PHILIPPINE ISLANDS	
15	18	18	24.37	15.05	N	120.64	E	10	G	4.5	1.3	8	LUZON, PHILIPPINE ISLANDS	
15	18	30	07.8	51.699	N	16.263	E	10	G		0.4	12	POLAND. ML 3.8 (GRF).	
15	19	48	53.5	15.211	N	120.267	E	9	D	5.0	1.2	68	LUZON, PHILIPPINE ISLANDS	
15	19	52	14.87	15.70	N	98.13	W	10	G		1.7	8	OFF COAST OF GUERRERO, MEXICO	
15	19	52	52.57	15.52	S	177.59	W	392	?	4.3	1.3	29	FIJI ISLANDS REGION	
15	19	53	07.9	44.785	N	4.851	E	10	G		0.9	20	FRANCE. ML 3.0 (LDG). MD 3.0 (STR).	
15	19	58	35.0	15.199	N	120.427	E	16	D	4.9 4.6	1.5	55	LUZON, PHILIPPINE ISLANDS	
a	15	20	23	21.9	0.535	N	25.452	W	10	G	5.4 5.1	1.0	251	CENTRAL MID-ATLANTIC RIDGE
15	20	58	31.9	38.854	N	17.104	E	11			1.1	43	SOUTHERN ITALY. MD 3.9 (ATH). ML 3.7 (TTG).	
15	21	06	03.57	45.56	N	7.36	E	10	G		0.5	4	NORTHERN ITALY	
15	21	22	51.17	40.10	N	23.28	E	5	G		0.2	5	GREECE	
15	21	33	17.3	38.406	N	27.096	E	18		3.9	1.1	41	TURKEY. MD 4.0 (ISK). 4.0 (ATH). Felt at Izmir.	
15	21	37	51.3%	15.393	N	98.833	W	33	N		0.4	11	OFF COAST OF GUERRERO, MEXICO	
15	21	58	55.7%	38.401	N	27.060	E	10	G		0.5	6	TURKEY. MD 3.4 (ISK).	
15	22	07	47.5%	38.399	N	27.055	E	10	G		0.6	5	TURKEY	
15	22	08	24.8	38.473	N	27.089	E	9		3.8	1.1	40	TURKEY. MD 4.0 (ISK). 3.9 (ATH). Felt at Izmir.	
15	22	19	22.4*	15.023	N	120.074	E	10	G	4.4	1.1	8	LUZON, PHILIPPINE ISLANDS	
15	22	29	55.3%	61.776	N	149.634	W	39				47	SOUTHERN ALASKA <AEIC>. ML 2.6 (AEIC).	
f	15	23	02	14.3	10.098	N	125.855	E	71	6.0	1.1	427	LEYTE, PHILIPPINE ISLANDS. Ma=2.0*10**18 Nm (PPT).	
15	23	40	54.07	13.19	N	142.95	E	80	?	4.6	1.3	13	SOUTH OF MARIANA ISLANDS	
15	23	55	31.9%	44.978	N	8.167	E	5	G		0.5	11	NORTHERN ITALY	
16	00	22	49.1%	61.473	N	149.952	W	35				76	SOUTHERN ALASKA. <AEIC>. ML 3.7 (AEIC).	
16	00	37	00.2%	43.245	N	12.612	E	10	G		0.9	5	CENTRAL ITALY	
16	00	59	41.17	16.11	N	97.24	W	33	N		1.4	10	OAXACA, MEXICO	
16	01	11	44.8%	40.062	N	27.917	E	13			0.4	13	TURKEY. MD 3.3 (ISK).	
16	01	48	37.1*	26.049	S	70.873	W	44	D	5.0	1.6	22	NEAR COAST OF NORTHERN CHILE	
a	16	02	07	41.0	15.198	N	120.332	E	10	G	5.7 5.2	1.1	214	LUZON, PHILIPPINE ISLANDS. Felt in Zambales Province and at Manila.
16	02	41	47.0*	15.102	N	120.214	E	10	G	4.3	1.4	8	LUZON, PHILIPPINE ISLANDS	
16	02	42	15.5%	45.109	N	6.625	E	10	G		0.3	8	FRANCE	
16	03	31	11.7*	15.019	N	120.158	E	10	G	4.3	1.7	13	LUZON, PHILIPPINE ISLANDS	
16	04	20	00.0*	15.321	N	120.295	E	10	G	4.3 4.0	1.0	11	LUZON, PHILIPPINE ISLANDS	
16	04	21	39.87	16.94	N	60.79	W	33	N		0.7	7	LEEWARD ISLANDS. ML 3.0 (FDF).	
16	04	30	03.8*	15.285	N	120.188	E	10	G	4.4	1.6	15	LUZON, PHILIPPINE ISLANDS	
16	04	58	13.07	13.44	S	24.18	E	10	G		0.8	6	ZAMBIA. mbLg 3.8 (BUL).	
16	05	54	12.9*	52.309	N	3.210	W	10	G		1.4	17	UNITED KINGDOM. ML 3.3 (LDG).	
16	06	05	15.0	39.659	N	23.161	E	10	G		1.2	13	AEGEAN SEA	
16	06	55	38.97	43.86	N	11.26	E	10	G		0.8	4	CENTRAL ITALY	
16	06	56	00.1%	38.393	N	27.081	E	10	G		0.4	8	TURKEY. MD 3.4 (ISK). Felt at Izmir.	
16	06	57	14.6	39.243	N	23.777	E	10	G		1.1	8	AEGEAN SEA	
16	06	58	21.9	15.250	N	120.591	E	13	D	5.1 5.0	1.1	96	LUZON, PHILIPPINE ISLANDS	
16	07	04	17.8	46.290	N	4.643	E	12			1.3	11	FRANCE. ML 2.8 (LDG). MD 2.8 (STR).	
16	07	10	37.3%	60.976	N	146.937	W	21		3.4		60	SOUTHERN ALASKA. <AEIC>. ML 3.3 (AEIC).	
16	07	26	35.97	37.87	N	27.26	E	10	G		0.8	4	TURKEY. MD 3.4 (ISK).	
16	07	50	22.7	13.377	S	164.922	E	33	N	4.9	0.9	33	VANUATU ISLANDS REGION	
16	07	53	00.9%	39.015	N	23.376	E	10	G		0.3	7	AEGEAN SEA	
16	08	13	03.9	21.415	S	179.200	W	624	D	4.9	1.0	74	FIJI ISLANDS REGION	
16	09	02	05.9*	39.018	N	23.361	E	19			0.4	9	AEGEAN SEA	
16	09	51	09.0	15.177	N	120.355	E	15	D	5.0 4.4	1.2	76	LUZON, PHILIPPINE ISLANDS	
16	10	16	28.5	46.738	N	7.313	E	10	G		1.3	14	SWITZERLAND. ML 2.8 (LDG). MD 2.3 (STR).	
16	11	07	10.6	39.984	N	42.875	E	26	D	4.6 4.5	1.3	51	TURKEY. At least 33 houses were damaged at Kagizman.	
16	11	46	23.0%	32.390	N	115.340	W	6	G			5	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS).	
16	12	51	49.4	40.951	N	19.790	E	6			0.9	21	ALBANIA. ML 2.6 (TTG).	
16	13	26	44.0	15.030	N	120.223	E	13	D	5.0 4.4	1.2	59	LUZON, PHILIPPINE ISLANDS	
16	15	11	17.47	39.69	N	118.39	E	10	G		0.3	4	NORTHEASTERN CHINA. ML 3.3 (BJI).	
16	15	51	13.8%	63.113	N	150.513	W	116				35	CENTRAL ALASKA. <AEIC>.	
16	16	16	54.77	16.06	N	60.94	W	27	?		0.2	5	LEEWARD ISLANDS. ML 2.3 (FDF).	
16	16	31	59.0%	59.429	N	153.712	W	130				64	SOUTHERN ALASKA. <AEIC>.	
16	16	35	05.6*	6.257	N	125.219	E	33	N	4.6	0.9	15	MINDANAO, PHILIPPINE ISLANDS	
16	16	46	53.0%	47.000	N	76.700	W	18	G	4.5		9	SOUTHERN QUEBEC. <OTT-P>. mbLg 4.2 (OTT). Felt (IV) at Le Domaine.	
16	17	21	04.4	38.429	N	21.804	E	10	G	4.6	1.3	174	GREECE. ML 4.9 (ROM). 4.6 (TTG). 4.3 (ATH).	
16	18	25	32.3	45.015	N	8.170	E	5	G		0.6	24	NORTHERN ITALY. ML 2.3 (LDG).	
16	18	29	43.77	50.18	N	4.19	W	10	G		1.4	17	UNITED KINGDOM. ML 2.8 (LDG).	
16	19	27	18.87	51.70	N	173.54	E	33	N	4.1	1.5	6	NEAR ISLANDS, ALEUTIAN ISLANDS	

16	20	36	53.3	15	234	N	120.291	E	10	G	5.0	1.0	90	LUZON, PHILIPPINE ISLANDS
16	20	37	20.3	15	080	N	120.585	E	10	G	5.5 5.0	1.2	38	LUZON, PHILIPPINE ISLANDS
16	20	39	04.5	43	126	N	146.508	E	44	D	4.6	1.0	29	KURIL ISLANDS
16	20	40	40.5	15	170	N	120.323	E	10	G	5.2	1.2	44	LUZON, PHILIPPINE ISLANDS
16	20	47	04.6%	40	687	N	23.363	E	10	G		0.3	5	GREECE
16	20	49	01.6	39	540	N	144.699	E	31	D	5.2 5.4	0.9	132	OFF EAST COAST OF HONSHU, JAPAN
16	21	20	35.3*	5	456	N	94.537	E	147	?	4.4	0.9	9	NORTHERN SUMATRA
17	00	09	37 0%	63	478	N	149.510	W	111				35	CENTRAL ALASKA. <AEIC>.
17	00	26	26.2	34	704	N	24.407	E	28		3 9	1.4	57	CRETE. ML 4.3 (ATH).
17	02	01	14.8%	43	073	N	0.619	W	5	G		0.1	7	PYRENEES. MD 1.0 (STR).
17	02	15	43.5%	46	931	N	120.335	W	5				56	WASHINGTON. <SEA>. MD 2.7 (SEA).
17	03	02	39.8*	15	322	N	120.817	E	10	G	4.1	0.6	7	LUZON, PHILIPPINE ISLANDS
17	03	04	45.5*	42	252	N	44.222	E	10	G	4.4 4.5	1.6	25	WESTERN CAUCASUS
17	03	10	40.3	5	382	N	126.097	E	152	?	4.5	1.2	31	MINDANAO, PHILIPPINE ISLANDS
17	03	25	35.0	48	619	N	5.812	E	10	G		0.9	16	FRANCE. ML 3.0 (LDG). MD 2.5 (STR).
17	03	50	09.0?	40	77	N	29.98	E	10	G		0.8	4	TURKEY. MD 2.6 (ISK).
17	03	54	46.5*	22	541	S	68.783	W	94	*		0.6	7	NORTHERN CHILE
17	04	08	16.9%	37	867	N	27.278	E	10	G		1.1	5	TURKEY. MD 3.3 (ISK).
17	04	28	06.3%	38	431	N	27.081	E	10	G		0.5	8	TURKEY. MD 3.3 (ISK).
17	04	37	00.1	36	493	N	71.788	E	33	N	4.5	0.9	11	AFGHANISTAN-USSR BORDER REGION
17	04	58	24.9?	38	86	N	25.96	E	10	G		0.1	7	AEGEAN SEA. MD 3.5 (ISK).
17	05	09	52.5*	0	516	N	122.460	E	97	D	5.3	1.1	82	MINAHASSA PENINSULA
17	05	24	01.3%	38	984	N	26.878	E	10	G		0.3	6	AEGEAN SEA. MD 3.3 (ISK).
17	05	27	23.0%	23	130	N	121.500	E	10	G		0.6	5	TAIWAN
17	06	12	05.0	38	522	N	25.737	E	10	G		1.1	15	AEGEAN SEA. MD 3.5 (ISK).
17	06	55	15.5	35	793	N	84.872	E	23	D	4.9 4.7	1.4	55	TIBET
17	06	56	57.5%	61	531	N	149.873	W	34				54	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
17	07	32	12.1%	36	153	N	120.757	W	9				15	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
17	07	35	18.8?	43	23	N	11.01	E	10	G		1.7	4	CENTRAL ITALY
17	07	46	03.8%	40	789	N	28.092	E	10	G		0.1	5	TURKEY. MD 2.7 (ISK).
17	08	10	19.2%	59	899	N	153.538	W	134				37	SOUTHERN ALASKA. <AEIC>.
17	08	53	16.7	42	630	N	74.678	W	5	G	4.0	0.6	17	NEW YORK. mblg 4.0 (GS), 4.0 (OTT), 4.1 (BLA). Felt (V) at Carlisle, Charlotteville, Cableskill, Fly Creek, Fultonham, Herkimer, Howes Cave, Ilion, Morris, New Kingston, New York Mills, Portlandville, Rensselaerville, Seward and Worcester. Felt throughout much of New York from Rochester to Rockland and Westchester Counties. Also felt in northern New Jersey, western Connecticut, western Massachusetts and in parts of New Hampshire, Pennsylvania and Vermont.
17	09	20	01.6	5	511	S	147.091	E	201		5.4	0.9	43	EAST PAPUA NEW GUINEA REGION
17	09	34	32.2?	41	30	N	24.00	E	5	G		0.5	5	GREECE-BULGARIA BORDER REGION
17	09	39	32.2%	16	487	N	61.354	W	28	*		0.4	7	LEEWARD ISLANDS. ML 2.3 (FDF).
17	11	28	55.0?	39	12	N	27.80	E	10	G		0.1	4	TURKEY
17	11	51	14.1%	62	222	N	149.313	W	46				62	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC).
17	12	16	56.4?	17	46	N	94.39	W	10	G		1.7	6	CHIAPAS, MEXICO. Felt in Chiapas, Oaxaca and Veracruz.
17	12	59	30.3%	44	401	N	7.362	E	10	G		0.6	10	NORTHERN ITALY. ML 2.0 (GEN).
17	13	19	11.0	1	554	N	123.278	E	33	D	4.8 4.4	1.5	32	MINAHASSA PENINSULA
17	14	07	35.3*	49	077	N	6.860	E	10	G		0.8	7	GERMANY. MD 2.3 (STR).
17	14	46	36.0	43	011	N	22.892	E	11			1.5	20	YUGOSLAVIA. Felt (III) in the western part of Bulgaria.
17	15	33	01.7	15	211	N	120.340	E	10	G	4.8 4.5	1.5	48	LUZON, PHILIPPINE ISLANDS
17	15	41	12.4	38	511	N	27.219	E	10	G		0.4	13	TURKEY. MD 3.5 (ISK).
17	16	21	14.4?	16	83	N	61.13	W	33	N		0.5	5	LEEWARD ISLANDS. ML 2.6 (FDF).
17	16	37	52.8*	15	193	N	120.250	E	10	G	4.6	1.5	20	LUZON, PHILIPPINE ISLANDS
17	17	03	09.4	18	922	N	63.107	W	10	G	4.6	0.9	23	LEEWARD ISLANDS. MD 4.2 (TRN).
17	17	14	42.3?	15	61	N	120.48	E	10	G	4.4	0.8	5	LUZON, PHILIPPINE ISLANDS
17	17	16	37.4*	23	835	S	66.576	W	200	G		1.4	7	JUJUY PROVINCE, ARGENTINA
17	17	32	47.9%	42	127	N	19.276	E	10	G		0.5	8	YUGOSLAVIA. ML 1.7 (TTG).
17	20	15	11.7	39	119	N	27.433	E	10	G		0.4	7	TURKEY. MD 2.8 (ISK).
17	20	25	40.4	38	359	N	22.064	E	10	G		1.4	14	GREECE. MD 3.2 (ATH).
17	20	46	00.4?	7	80	N	58.48	E	10	G	4.3 4.6	1.6	13	CARLSBERG RIDGE
17	21	35	09.7	42	087	N	19.201	E	15			1.1	93	YUGOSLAVIA. ML 3.9 (ZAG), 3.8 (ROM). MD 3.8 (TTG). Felt (VI) at Bar, (V) at Ulcinj and (IV) at Titograd. Also felt at Shkoder, Albania.
17	21	36	56.0	20	604	S	178.251	W	512		5.1	1.0	99	FIJI ISLANDS REGION
17	21	39	42.5	42	126	N	19.317	E	10	G		0.5	8	YUGOSLAVIA. ML 1.6 (TTG).
17	21	46	57.7%	42	743	N	12.558	E	10	G		1.2	5	CENTRAL ITALY
17	21	51	39.6%	38	945	N	15.280	E	30	*		1.3	8	SICILY
17	23	10	02.8*	15	203	N	120.393	E	10	G	4.2	1.6	6	LUZON, PHILIPPINE ISLANDS
17	23	35	40.9%	57	748	N	151.896	W	0				24	KODIAK ISLAND REGION. <AEIC>. ML 2.6 (AEIC).
18	00	21	01.4%	17	673	S	122.441	E	33	N		1.3	6	WESTERN AUSTRALIA
18	00	48	07.5	42	334	N	19.969	E	10	G		1.0	15	YUGOSLAVIA. ML 2.2 (TTG).
18	02	31	54.7*	8	485	S	76.065	W	53	*	4.8	1.2	19	PERU
18	02	53	07.8%	60	988	N	150.828	W	10				41	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.7 (AEIC).
18	03	20	25.3	15	219	N	120.322	E	10	G	4.9 4.4	1.4	50	LUZON, PHILIPPINE ISLANDS
18	03	38	26.4%	38	938	N	29.249	E	10	G		0.5	15	TURKEY. MD 3.6 (ISK).
18	06	15	09.3%	56	754	N	152.899	W	35		4.3		66	KODIAK ISLAND REGION. <AEIC>. ML 4.4 (AEIC). Felt (III) at Chiniak.
18	06	28	18.9*	45	542	N	15.772	E	10	G		0.7	5	YUGOSLAVIA. MD 2.1 (LJU). ML 2.0 (ZAG).
18	07	17	15.6	7	304	S	154.844	E	91	*	4.8	0.9	36	SOLOMON ISLANDS
18	08	14	02.5%	40	978	N	29.062	E	10	G		0.6	10	TURKEY. MD 3.1 (ISK).
18	08	19	13.1%	39	144	N	27.865	E	10	G		0.3	6	TURKEY. MD 2.9 (ISK).
18	08	46	21.4?	37	89	N	26.42	W	10	G	4.2	1.6	6	AZORES ISLANDS. Felt (III) at Masteiros.
18	10	01	17.3?	49	01	N	6.84	E	10	G		0.8	6	GERMANY. MD 2.5 (STR).
18	10	28	45.2%	41	102	N	28.673	E	10	G		0.4	6	TURKEY. MD 2.7 (ISK).
18	10	39	12.3*	16	749	S	175.341	E	33	N	4.5	1.4	15	FIJI ISLANDS REGION
18	11	33	18.3	0	130	N	149.285	E	38	D	5.7 5.3	0.9	204	CAROLINE ISLANDS REGION. Ms 5.8 (BRK). Ma=1.6*10**18 Nm (PPT).
18	12	43	32.0	1	290	N	122.904	E	38	D	4 8 4.5	1.1	62	MINAHASSA PENINSULA
18	13	50	05.4%	63	250	N	150.517	W	133				28	CENTRAL ALASKA. <AEIC>.
18	14	33	15.4%	16	294	N	61.383	W	10	G		0.6	6	LEEWARD ISLANDS. ML 1.9 (FDF).
18	14	38	21.5	39	247	N	29.431	E	10	G	3.6	0.8	39	TURKEY. MD 3.9 (ISK).
18	14	40	28.6?	43	92	N	7.61	E	10	G		0.2	6	NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN).

18	15	33	01.2%	41.135 N	28.498 E	10 G	0.4	6	TURKEY. MD 2.7 (ISK).	
18	15	38	41.1	39.457 N	72.765 E	58 *	5.0	1.0	123 KIRGHIZ SSR. Felt (V) at Sufi-Kurgan, (IV) at Osh and (III) at Fergana and Namangan.	
18	17	29	27.8%	62.458 N	149.336 W	57		46	CENTRAL ALASKA. <AEIC>.	
18	17	57	09.7%	50.575 N	114.372 W	5 G		18	ALBERTA PROVINCE, CANADA. <PGC>. ML 3.4 (PGC), 3.5 (GS). Felt (IV) in the area five to ten kilometers west of Turner Valley and (III) at Turner Valley.	
18	17	58	18.0	38.165 N	26.220 W	10 G	4.9 4.3	0.9	138 AZORES ISLANDS. Felt (V) at Mosteiros; (IV) at Candelaria, Fenaís da Ajuda, Feteiras, Ginetes, Joao Bom, Pilar and Varzea; (III) at Angra da Heroísmo, Relva and Remedias; (II) at Capelas, Fenaís da Luz and Pico da Pedra.	
18	18	32	36.0*	36.784 N	71.568 E	33 N	4.4	0.7	10 AFGHANISTAN-USSR BORDER REGION	
18	18	37	03.8*	20.012 S	168.718 E	33 N	4.2 4.6	1.6	26 LOYALTY ISLANDS	
18	18	56	58.77	37.93 N	26.39 W	10 G		0.2	4 AZORES ISLANDS	
18	19	05	35.1*	6.016 S	151.436 E	33 N	4.3	0.9	7 NEW BRITAIN REGION. ML 4.7 (PMG).	
18	19	06	47.6%	44.250 N	9.978 E	10 G		0.7	9 NORTHERN ITALY	
18	19	07	10.8?	39.90 N	26.17 E	10 G		0.5	5 TURKEY. MD 3.2 (ISK).	
18	19	34	43.8*	41.963 N	23.043 E	10 G		1.6	9 GREECE-BULGARIA BORDER REGION	
18	20	04	18.1?	39.18 N	29.51 E	10 G		0.1	4 TURKEY. MD 2.8 (ISK).	
18	20	17	48.5*	15.231 N	120.293 E	10 G	4.8 4.3	1.3	23 LUZON, PHILIPPINE ISLANDS	
18	20	18	06.2*	35.805 N	84.559 E	33 N	4.0	1.3	9 TIBET	
18	20	39	10.0%	61.308 N	148.619 W	37		45	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).	
18	21	15	08.0%	59.739 N	153.831 W	140		50	SOUTHERN ALASKA. <AEIC>.	
18	22	04	21.9?	48.21 N	8.51 E	10 G		1.5	5 GERMANY. ML 2.6 (LDG).	
18	22	10	05.6	38.087 N	22.052 E	33 N		1.2	17 GREECE. ML 3.1 (ATH).	
18	23	01	35.4	82.166 N	119.003 E	26 D	5.0	0.8	168 NORTH OF SEVERNAYA ZEMLYA	
18	23	49	52.8	44.304 N	7.267 E	9		0.6	38 NORTHERN ITALY. ML 3.2 (GEN), 2.9 (LDG).	
19	00	33	33.2?	72.81 N	8.03 E	10 G	3.6	0.8	7 NORWEGIAN SEA. MD 3.2 (BER).	
19	00	46	40.6*	0.519 S	121.962 E	28 *	4.8	0.9	13 MINAHASSA PENINSULA	
19	00	55	08.9?	17.66 N	61.65 W	25 *		1.1	7 LEEWARD ISLANDS. ML 3.3 (FDF).	
19	02	47	30.3*	47.691 N	152.715 E	110 G	4.5	0.5	32 KURIL ISLANDS	
19	02	48	11.3	37.754 N	26.710 E	10 G		1.2	12 DODECANESE ISLANDS. MD 3.8 (ATH), 3.7 (ISK).	
19	02	55	12.7%	42.751 N	12.543 E	10 G		0.9	5 CENTRAL ITALY	
19	03	06	42.8?	15.00 N	120.03 E	10 G	4.4	0.7	6 LUZON, PHILIPPINE ISLANDS	
19	03	16	47.2?	19.96 N	108.85 W	10 G	4.2	1.7	19 REVILLA GIGEDO ISLANDS REGION	
19	03	26	36.0%	43.015 N	17.687 E	10 G		0.6	7 YUGOSLAVIA. ML 2.4 (TTG).	
19	03	42	42.4?	40.80 N	29.14 E	10 G		1.1	4 TURKEY. MD 2.7 (ISK).	
19	03	55	41.9*	13.484 N	89.690 W	69	4.8	1.2	47 EL SALVADOR. Felt (II) at San Salvador.	
19	04	14	02.9%	62.656 N	151.703 W	12		23	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).	
19	04	17	44.6%	16.873 N	99.115 W	33 N		0.8	9 NEAR COAST OF GUERRERO, MEXICO	
19	06	15	06.7%	34.010 N	117.590 W	4		21	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt (III) at Guasti and Ontario. Also felt at Montclair.	
19	06	26	09.5%	34.010 N	117.590 W	4		8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt at Ontario.	
19	06	40	28.9	40.282 N	42.971 E	33 N	4.6	1.2	25 TURKEY	
19	06	57	03.1%	40.447 N	23.103 E	5 G		0.6	8 GREECE	
19	07	18	58.0%	46.074 N	122.097 W	12		61	WASHINGTON. <SEA>. MD 2.6 (SEA).	
19	07	34	36.6	60.976 N	166.639 E	19 D	4.8 4.5	1.1	77 EASTERN SIBERIA	
19	07	36	09.5%	60.144 N	152.712 W	91		71	SOUTHERN ALASKA. <AEIC>.	
19	08	05	43.2?	36.28 N	140.18 E	100 ?	4.3	1.0	8 NEAR EAST COAST OF HONSHU, JAPAN	
19	08	25	21.1%	42.682 N	23.554 E	10 G		1.7	6 BULGARIA	
19	08	28	54.6*	34.008 N	24.972 E	33 N	3.8	1.6	9 CRETE	
19	09	13	57.2?	39.12 N	27.57 E	10 G		0.4	5 TURKEY. MD 2.8 (ISK).	
19	09	43	52.9%	44.439 N	7.409 E	10 G		0.8	5 NORTHERN ITALY. ML 1.9 (GEN).	
19	10	10	42.7	9.053 S	74.845 W	146 *	4.5	0.8	18 PERU	
19	10	16	19.0?	18.13 N	147.72 E	33 N	4.6	1.1	9 MARIANA ISLANDS REGION	
19	10	49	51.6?	39.51 N	29.53 E	10 G		0.3	5 TURKEY. MD 2.7 (ISK).	
19	10	59	39.4%	60.664 N	151.656 W	71		39	KENAI PENINSULA, ALASKA. <AEIC>.	
19	11	11	23.4?	17.50 S	177.85 W	329 ?	4.6	1.6	12 FIJI ISLANDS REGION	
19	11	23	40.1%	40.259 N	23.493 E	10 G		1.0	5 GREECE	
19	11	26	58.3*	42.848 N	24.078 E	10 G		1.2	6 BULGARIA	
19	11	38	23.3*	20.134 S	133.952 E	10 G	5.2	1.6	49 NORTHERN TERRITORY, AUSTRALIA	
19	12	13	56.8	42.628 N	24.173 E	10 G		1.1	17 BULGARIA	
19	14	34	37.4?	43.53 N	5.75 E	10 G		1.0	11 NEAR SOUTH COAST OF FRANCE. ML 3.3 (LDG). MD 2.7 (STR).	
19	15	07	44.8	41.758 N	142.826 E	63	4.6	1.2	33 HOKKAIDO, JAPAN REGION	
19	15	27	27.0%	40.687 N	27.534 E	10 G		0.3	6 TURKEY. MD 2.6 (ISK).	
a	19	16	25.55	2.399 S	134.406 E	20 D	5.4	1.2	89 WEST IRIAN REGION	
19	16	42	15.1	49.127 N	6.798 E	10 G		0.6	8 GERMANY. MD 2.5 (STR), 2.1 (UCC).	
19	18	53	03.1%	36.540 N	121.158 W	10		17	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).	
19	19	25	16.5?	24.14 S	179.88 E	634 ?	5.0	1.4	16 SOUTH OF FIJI ISLANDS	
a	19	20	14	17.6	58.198 S	24.837 W	33 N	5.3 5.4	1.1	78 SOUTH SANDWICH ISLANDS REGION
19	20	54	39.2*	58.159 S	24.912 W	33 N	4.8	1.0	25 SOUTH SANDWICH ISLANDS REGION	
19	20	59	28.0	58.222 S	24.885 W	33 N	5.3 4.9	1.0	43 SOUTH SANDWICH ISLANDS REGION	
19	22	21	27.2	40.796 N	22.331 E	10 G		0.5	12 GREECE. ML 1.5 (SKO).	
19	22	34	25.9	43.199 N	26.131 E	10 G		1.2	10 BULGARIA	
19	22	44	21.6%	44.724 N	6.720 E	10 G		0.6	10 FRANCE. ML 2.3 (GEN).	
19	23	17	12.9*	33.703 N	47.037 E	10 G	4.6	1.3	21 WESTERN IRAN. Felt at Islamabad.	
20	00	13	34.2?	36.77 N	29.11 E	10 G		1.1	4 TURKEY. MD 3.5 (ISK).	
20	00	20	05.0%	17.095 N	99.780 W	33 N		1.1	7 GUERRERO, MEXICO	
20	00	24	19.3	42.751 N	12.620 E	10 G		0.3	7 CENTRAL ITALY	
20	00	58	49.1?	14.48 S	167.24 E	190 ?	4.7	1.1	53 VANUATU ISLANDS	
o	20	01	10	40.0	19.708 S	177.792 W	432 D	5.0	1.1	123 FIJI ISLANDS REGION
20	01	26	57.1%	43.169 N	12.859 E	10 G		0.5	8 CENTRAL ITALY	
a	20	03	21	46.8	58.193 S	24.816 W	33 N	5.1 5.1	1.1	48 SOUTH SANDWICH ISLANDS REGION
20	03	51	21.7	40.052 N	21.891 E	10 G		1.3	14 GREECE	
20	04	56	39.7*	8.888 N	127.343 E	33 N	4.3	0.9	12 PHILIPPINE ISLANDS REGION	
20	05	14	56.6	3.200 N	78.657 W	33 N	4.0	1.3	13 SOUTH OF PANAMA	
f	20	05	18	52.5	1.196 N	122.787 E	31 G	6.2 7.0	1.2	367 MINAHASSA PENINSULA. Ms 7.2 (BRK). At least 1,500 houses were damaged (VI) in the Gorontalo area. Felt (IV) in the Manado area and (II) at Poso. Depth from broadband displacement seismograms.
20	05	40	19.7%	59.936 N	150.977 W	17		31	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).	

20	06	27	24.1	1.173	N	122.882	E	21	D	5.6	5.4	1.1	147	MINAHASSA PENINSULA
20	06	58	14.4*	37.077	N	29.456	E	10	G			0.4	5	TURKEY. MD 3.4 (ISK).
20	07	07	31.0*	1.158	N	123.016	E	33	N	4.6		1.4	17	MINAHASSA PENINSULA
20	07	09	06.2%	42.602	N	19.779	E	10	G			0.2	8	YUGOSLAVIA. ML 1.8 (TTG).
20	07	14	01.1	1.188	N	122.682	E	33	N	4.6		0.6	13	MINAHASSA PENINSULA
20	07	20	53.2%	63.414	N	151.558	W	15					60	CENTRAL ALASKA. <AEIC>. ML 3.5 (AEIC).
20	08	01	13.6	40.720	N	27.657	E	10	G			1.2	13	TURKEY. MD 3.2 (ISK).
20	08	06	18.5*	1.288	N	123.005	E	33	N	4.8		1.5	12	MINAHASSA PENINSULA
20	08	14	41.4	36.988	N	29.400	E	10	G			0.7	6	TURKEY. MD 3.7 (ISK).
20	08	14	43.3%	40.390	N	23.281	E	10	G			0.5	5	GREECE
20	08	23	24.0	18.425	N	120.637	E	44		5.2		1.1	119	LUZON, PHILIPPINE ISLANDS. Felt (I RF) at Pasuquin.
20	08	28	47.8	10.875	S	165.751	E	27	D	5.2		1.1	49	SANTA CRUZ ISLANDS
20	08	30	45.17	1.92	N	122.68	E	33	N	4.8		1.1	7	MINAHASSA PENINSULA
20	08	54	01.7*	37.397	N	71.940	E	71	?	4.3		0.9	14	AFGHANISTAN-USSR BORDER REGION
20	09	04	50.8	1.280	N	122.878	E	33	N	5.0		1.2	35	MINAHASSA PENINSULA
20	09	12	48.3	15.087	N	120.241	E	10	G	4.8	4.4	1.5	40	LUZON, PHILIPPINE ISLANDS
20	09	28	47.8%	42.771	N	19.203	E	5	G			0.3	8	YUGOSLAVIA. ML 1.3 (TTG).
20	11	32	18.2	40.866	N	15.550	E	10	G			1.4	22	SOUTHERN ITALY
20	11	45	11.9*	1.270	N	123.073	E	33	N	4.8		1.6	12	MINAHASSA PENINSULA
20	13	49	04.17	13.39	S	74.19	W	33	N			1.7	6	PERU
20	14	22	23.57	41.19	N	28.47	E	10	G			0.5	4	TURKEY. MD 2.5 (ISK).
20	15	26	11.8*	1.181	N	122.735	E	33	N	4.6		1.0	9	MINAHASSA PENINSULA
20	15	36	01.2*	54.358	N	160.874	W	33	N	4.8		1.2	47	ALASKA PENINSULA
20	15	39	15.0%	11.331	N	62.022	W	100	G			0.2	7	WINDWARD ISLANDS. MD 3.4 (TRN).
20	16	05	00.0%	33.619	N	106.475	W	0					21	NEW MEXICO. <EXPLO>. ML 3.5 (GS). 33' 37' 08.01" N., 106' 28' 30.50" W., Surface explosion of 2,500 tons of ammonium nitrate. White Sands Missile Range (Dept. of Defense).
20	16	26	28.9*	15.391	S	167.377	E	141	*	4.6		1.0	27	VANUATU ISLANDS
20	17	01	13.5*	37.039	N	29.385	E	10	G			0.6	5	TURKEY. MD 3.6 (ISK).
20	17	38	14.27	39.45	N	24.02	E	10	G			0.6	7	AEGEAN SEA
20	17	39	41.4*	8.991	S	112.118	E	61	?	4.3		1.2	13	JAVA
20	19	24	27.8	40.144	N	8.815	W	20				1.1	22	PORTUGAL. mbLg 3.5 (MDD). Felt (I) at Porto.
20	20	51	47.07	11.01	N	125.84	E	33	N			1.4	9	SAMAR, PHILIPPINE ISLANDS
20	21	10	15.7%	40.099	N	27.379	E	10	G			0.3	5	TURKEY. MD 3.0 (ISK).
20	21	15	08.4*	10.933	N	125.912	E	66	*	4.4		0.9	17	LEYTE, PHILIPPINE ISLANDS
20	21	55	59.2	46.406	N	13.541	E	10	G			1.3	13	AUSTRIA. MD 2.6 (LJU), 2.3 (TRI). ML 2.2 (VIE).
20	22	18	52.67	37.00	N	13.57	W	10	G			0.6	9	NORTH ATLANTIC OCEAN. mbLg 3.2 (MDD).
21	01	07	05.5%	45.108	N	122.630	W	25					62	WASHINGTON-OREGON BORDER REGION. <SEA>. MD 2.6 (SEA).
21	01	19	31.47	35.92	N	53.44	E	33	N			0.9	6	IRAN
21	01	28	05.6*	81.842	N	121.651	E	10	G	4.1		0.7	5	EAST OF SEVERNAYA ZEMLYA
21	01	45	20.0%	42.830	N	11.578	E	10	G			0.4	7	CENTRAL ITALY
21	01	49	07.3	10.927	N	126.059	E	60	*	4.9	4.3	1.0	51	PHILIPPINE ISLANDS REGION
21	02	38	49.57	10.58	N	125.76	E	110	?	4.1		0.5	9	LEYTE, PHILIPPINE ISLANDS
21	03	06	40.7%	58.214	N	142.736	W	10	G				31	GULF OF ALASKA. <AEIC>. ML 2.8 (AEIC).
21	03	50	13.0*	10.745	N	125.797	E	91	?	4.5		0.6	10	LEYTE, PHILIPPINE ISLANDS
21	03	57	46.3*	2.394	N	126.696	E	105	?	4.7		1.1	22	MOLUCCA PASSAGE
21	04	07	37.27	17.73	S	67.42	W	261	*	3.5		1.2	6	BOLIVIA
21	04	33	07.0	39.068	N	22.423	E	10	G			0.8	14	GREECE. MD 3.4 (ATH).
21	04	50	58.0	13.145	N	89.388	W	60		4.9		1.1	100	EL SALVADOR. Mo=3.0*10**17 Nm (PPT). Felt (III) at San Salvador. Also felt lightly at Guatemala City, Guatemala.
21	05	10	21.4%	59.836	N	153.158	W	112		3.9			72	SOUTHERN ALASKA. <AEIC>.
21	05	16	32.77	8.25	S	129.45	E	190	?	4.0		0.5	7	TIMOR SEA
21	05	25	02.5*	6.514	S	155.598	E	220	*	5.0		0.3	9	SOLOMON ISLANDS
21	05	39	10.2*	18.277	S	178.125	W	499	?	4.5		0.9	17	FIJI ISLANDS REGION
21	06	08	59.7	2.442	N	126.829	E	66	*	5.3		1.1	93	MOLUCCA PASSAGE
21	06	27	39.9	13.399	N	89.618	W	77		5.3		1.1	249	EL SALVADOR. Mo=1.0*10**18 Nm (PPT). One person killed and three injured when a short circuit caused a fire in a home in the San Salvador area. Felt (IV) at San Salvador. Felt lightly in Guatemala City, Guatemala.
21	06	45	36.6	6.001	S	104.872	E	53	D	5.6		0.9	190	SUNDA STRAIT
21	07	57	43.5%	42.459	N	18.536	E	10	G			0.3	5	YUGOSLAVIA. ML 1.1 (TTG).
21	08	10	36.3*	10.765	N	125.827	E	86	*	4.3		1.2	23	LEYTE, PHILIPPINE ISLANDS
21	08	35	22.5	40.659	N	29.097	E	10	G			0.9	6	TURKEY. MD 2.8 (ISK).
21	08	55	11.9%	39.157	N	27.628	E	10	G			0.4	5	TURKEY. MD 2.8 (ISK).
21	09	04	06.1*	16.874	N	61.597	W	33	N			0.3	6	LEEWARD ISLANDS. ML 3.3 (FDF).
21	09	48	48.2*	39.105	N	75.466	E	33	N	4.2		0.7	7	SOUTHERN XINJIANG, CHINA
21	11	54	18.0*	22.264	S	69.247	W	33	N	3.7		0.6	7	NORTHERN CHILE
21	11	54	39.2%	39.268	N	29.153	E	10	G			0.6	6	TURKEY. MD 2.8 (ISK).
21	12	14	16.6	1.277	N	122.819	E	27	D	5.2	4.6	1.1	106	MINAHASSA PENINSULA
21	12	27	37.0%	36.990	N	29.418	E	10	G			0.6	6	TURKEY
21	14	43	08.1	15.277	N	120.362	E	10	G	4.7	4.0	1.3	28	LUZON, PHILIPPINE ISLANDS
21	15	34	34.5*	18.262	S	69.475	W	158	*	4.3		0.8	10	NORTHERN CHILE
21	16	03	44.67	6.99	S	147.66	E	33	N	4.4		0.8	6	EAST PAPUA NEW GUINEA REGION
21	16	17	29.9	1.093	N	123.045	E	30	D	5.5	4.7	1.1	133	MINAHASSA PENINSULA
21	16	50	12.37	41.21	N	28.28	E	10	G			0.6	5	TURKEY. MD 2.9 (ISK).
21	17	41	43.0%	35.260	N	119.010	W	29					13	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt at Bakersfield.
21	19	21	42.27	14.81	N	60.72	W	50	G			0.2	4	WINDWARD ISLANDS
21	19	27	01.87	6.96	S	130.76	E	70	?	4.2		0.7	9	BANDA SEA
21	19	33	47.1*	2.502	N	66.550	E	10	G	4.9		0.7	13	CARLSBERG RIDGE
21	19	53	55.67	38.54	N	23.30	E	10	G			1.1	4	GREECE. ML 2.7 (ATH).
21	19	55	23.4*	30.200	S	178.166	W	370	?	4.0		1.3	27	KERMADEC ISLANDS
21	20	27	30.9%	40.122	N	23.602	E	10	G			0.2	5	GREECE
21	20	36	27.47	43.10	N	1.76	W	10	G			0.2	9	PYRENEES. MD 1.4 (STR). Felt (III) at Irauleguy, France.
21	20	46	08.1*	6.893	S	130.059	E	112	*	5.1		1.1	15	BANDA SEA
21	21	15	42.7*	14.645	N	146.934	E	40	*	4.6		0.8	28	MARIANA ISLANDS
21	21	24	00.6%	37.096	N	3.503	W	10	G			1.1	7	SPAIN. mbLg 2.6 (MDD).
21	22	05	02.1	42.812	N	18.016	E	10	G			0.6	10	YUGOSLAVIA. ML 2.2 (TTG).
21	22	44	51.2%	59.903	N	153.316	W	122					42	SOUTHERN ALASKA. <AEIC>.
21	22	50	51.2	12.979	N	58.062	E	30	D	4.6		0.9	30	ARABIAN SEA

a	22	00 30 26.4	23.915 N	108.549 W	10 G	5.5 6.1	1.3	223	GULF OF CALIFORNIA. Ms 6.0 (BRK). Mo=3.0*10**18 Nm (PPT).
	22	01 53 30.6*	9.824 N	82.983 W	10 G	4.6	1.2	28	PANAMA-COSTA RICA BORDER REGION
	22	02 34 11.8*	60.436 N	152.315 W	107	4.0		92	SOUTHERN ALASKA. <AEIC>.
	22	04 12 56.3*	60.759 N	166.393 E	33 N	4.3	1.0	15	EASTERN SIBERIA
	22	04 19 27.4*	22.48 S	148.27 E	10 G		1.5	7	QUEENSLAND, AUSTRALIA ML 3.4 (RMO).
	22	04 28 16.9*	59.345 N	152.135 W	73			74	SOUTHERN ALASKA. <AEIC>.
	22	06 03 36.2	38.388 N	22.071 E	5 G		1.1	13	GREECE ML 3.0 (ATH).
	22	07 18 15.8*	23.728 N	108.473 W	10 G	4.7 4.3	1.2	30	GULF OF CALIFORNIA
	22	07 24 41.8*	36.82 N	50.02 E	33 N		0.8	5	IRAN
	22	08 00 12.6	14.156 S	171.629 E	629	5.0	0.6	70	VANUATU ISLANDS REGION
	22	08 02 16.0*	39.004 N	72.240 E	33 N	3.9	0.5	9	KIRGHIZ SSR
	22	08 31 58.7*	46.938 N	120.341 W	4			74	WASHINGTON. <SEA>. MD 2.9 (SEA).
	22	10 06 14.8	22.537 N	121.285 E	75	4.2	1.2	17	TAIWAN REGION
	22	10 11 31.7*	46.934 N	120.340 W	4			63	WASHINGTON. <SEA>. MD 2.6 (SEA).
	22	11 04 57.2	10.653 N	62.557 W	130 *	3.6	0.6	18	NEAR COAST OF VENEZUELA. MD 3.6 (TRN).
	22	11 23 46.5*	45.588 N	26.561 E	124 ?		0.9	9	ROMANIA
	22	12 26 19.4*	37.448 N	2.252 W	10 G		1.5	5	SPAIN
	22	16 23 11.0*	55.742 N	161.809 W	128			1	ALASKA PENINSULA. <PAL>. MD 3.1 (PAL).
	22	18 18 37.8*	5.16 S	107.43 E	310 G	4.2	1.3	11	JAVA
	22	18 34 16.5*	44.762 N	6.752 E	10 G		0.6	6	FRANCE
	22	18 50 32.5*	54.746 N	160.496 W	33 N			1	ALASKA PENINSULA. <PAL>. MD 3.0 (PAL).
	22	19 55 59.9*	58.896 N	153.954 W	98			50	KODIAK ISLAND REGION. <AEIC>.
	22	21 10 18.5*	42.971 N	13.023 E	10 G		0.9	8	CENTRAL ITALY
	22	21 19 24.8*	41.54 N	14.35 E	10 G		1.4	4	SOUTHERN ITALY
	23	00 19 14.4*	60.890 N	3.694 E	10 G		0.9	9	NORTH SEA. MD 2.0 (BER).
	23	01 47 24.9*	60.084 N	152.985 W	107			39	SOUTHERN ALASKA. <AEIC>.
	23	01 55 59.4	42.718 N	18.274 E	10 G		0.8	11	YUGOSLAVIA. ML 2.5 (TTG).
	23	02 00 05.5*	59.019 N	154.184 W	111			56	SOUTHERN ALASKA. <AEIC>.
	23	02 45 41.2	32.306 N	76.716 E	33 N	4.6	1.5	48	KASHMIR-INDIA BORDER REGION
	23	03 35 03.9	45.919 N	5.144 E	10 G		0.9	12	FRANCE. ML 2.6 (LDG).
	23	03 43 13.5*	16.16 S	178.18 E	26 *	4.0	0.5	6	FIJI ISLANDS
	23	04 54 33.6*	12.644 N	144.852 E	33 N	4.7	0.5	8	SOUTH OF MARIANA ISLANDS
	23	05 03 15.4	7.829 S	159.060 E	61 D	5.3	0.9	79	SOLOMON ISLANDS
	23	05 14 42.6*	37.682 N	15.188 E	10 G		0.8	7	SICILY
	23	05 46 43.7*	44.084 N	7.980 E	10 G		0.5	6	NORTHERN ITALY. ML 1.7 (GEN).
	23	06 18 59.0*	63.428 N	150.887 W	25			33	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
	23	06 50 46.5*	39.950 N	120.729 W	0			5	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
	23	07 39 35.4*	1.337 N	122.954 E	33 N	4.3	1.3	9	MINAHASSA PENINSULA
	23	08 19 33.5	11.004 N	166.198 E	162	5.1	0.8	159	SANTA CRUZ ISLANDS
	23	08 44 24.1	18.351 N	101.310 W	73	4.6	0.9	40	GUERRERO, MEXICO. Felt at Chilpancingo.
	23	09 21 24.3*	17.30 S	69.29 W	182 *		0.6	6	PERU-BOLIVIA BORDER REGION
	23	09 42 25.0	45.505 N	14.288 E	10 G		0.7	8	YUGOSLAVIA. MD 2.4 (TRI), 2.4 (LJU).
	23	10 04 00.3	26.637 N	93.187 E	33 D	5.3 4.4	0.9	304	EASTERN INDIA. Felt at Gauhati.
	23	10 05 52.5	41.914 N	19.326 E	10 G		0.3	10	ALBANIA. ML 2.0 (TTG).
	23	10 44 02.3	39.481 N	29.862 W	10 G	5.1 4.5	1.0	211	AZORES ISLANDS
	23	11 38 30.8	41.873 N	142.137 E	74	5.0	0.9	166	HOKKAIDO, JAPAN REGION. Felt (III) at Misawa, Honshu.
	23	13 02 22.2	31.312 N	35.557 E	10 G		0.8	8	DEAD SEA REGION
	23	13 26 35.9*	0.968 N	126.060 E	83 *	5.0	1.2	25	MOLUCCA PASSAGE
	23	13 31 34.7*	13.52 N	88.38 W	142 ?	4.3	1.3	13	EL SALVADOR
	23	14 47 44.1*	40.25 N	21.95 E	10 G		1.1	4	GREECE
	23	14 52 50.0*	6.304 S	12.909 W	10 G	4.7 4.7	1.1	10	ASCENSION ISLAND REGION
	23	15 19 41.2*	5.957 S	130.406 E	97 ?	4.5	1.3	11	BANDA SEA
	23	16 09 30.2*	11.319 N	126.057 E	53 ?	4.4	0.4	9	PHILIPPINE ISLANDS REGION
	23	16 34 16.6*	54.483 N	159.004 W	25			1	SOUTH OF ALASKA. <PAL>. MD 3.0 (PAL).
	23	17 22 34.7	28.120 N	139.617 E	474 *	4.2	0.9	31	BONIN ISLANDS REGION
	23	17 46 22.6*	43.970 N	10.899 E	10 G		0.4	6	CENTRAL ITALY
	23	18 03 11.7*	23.000 N	120.578 E	10 G	4.3	1.4	10	TAIWAN
	23	18 15 15.6*	54.574 N	158.838 W	39			1	SOUTH OF ALASKA. <PAL>. MD 3.4 (PAL).
	23	18 33 26.5*	32.975 S	71.407 W	10 G		0.4	6	NEAR COAST OF CENTRAL CHILE
	23	19 10 41.5	41.301 N	23.419 E	13		0.7	24	GREECE-BULGARIA BORDER REGION. MD 3.1 (ATH). ML 2.5 (SKO).
f	23	21 22 28.9	26.802 S	63.349 W	558 G	6.4	1.0	578	SANTIAGO DEL ESTERO PROV., ARG. mb 6.2 (BRK). Mo=8.0*10**19 Nm (PPT). Felt in Catamarca, San Juan, Cordoba and Buenos Aires Provinces. Also felt at Londrina, Porto Alegre and Sao Paulo, Brazil. Two events about 10 seconds apart. Depths 558 and 562 km respectively, from broadband displacement seismograms.
	23	21 37 44.6*	0.183 N	120.732 E	33 N		0.7	7	MINAHASSA PENINSULA
	23	22 59 20.9	8.528 S	127.675 E	102 *	4.8	0.9	16	TIMOR
	23	23 14 45.5	26.939 S	63.272 W	578 D	5.6	0.9	332	SANTIAGO DEL ESTERO PROV., ARG.
	23	23 31 25.5*	43.320 N	12.502 E	10 G		0.4	6	CENTRAL ITALY
	24	01 26 49.8*	16.619 N	86.381 W	10 G	4.5	1.3	24	CARIBBEAN SEA
	24	01 36 38.0	39.287 N	20.471 E	33 N	4.5	1.2	104	GREECE-ALBANIA BORDER REGION. ML 4.0 (ATH), 4.0 (TTG).
	24	02 02 43.2	39.189 N	20.574 E	10 G		0.9	13	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	24	02 17 27.8	41.996 N	23.101 E	10 G		0.6	13	GREECE-BULGARIA BORDER REGION
	24	03 09 50.1	10.435 S	123.928 E	28 D	5.4	1.2	52	TIMOR
	24	04 32 07.3	44.971 N	6.672 E	10 G		0.8	14	FRANCE. ML 2.1 (GEN).
a	24	04 59 04.3*	58.318 N	137.008 W	10 G	5.6 5.5	4.11		SOUTHEASTERN ALASKA. <PGC>. Ms 5.7 (BRK). Mo=4.0*10**17 Nm (PPT). Felt (V) at Gustavus and Skagway; (IV) at Juneau and Pelican; (III) at Elfin Cove. Also felt at Haines, Sitka and Yakutat, Alaska, Pleasant Camp, British Columbia and Whitehorse, Yukon Territory.
	24	04 59 56.2*	3.476 N	126.004 E	114 ?	4.5	1.2	7	TALAUD ISLANDS
	24	05 07 56.4*	58.385 N	136.950 W	10 G			14	SOUTHEASTERN ALASKA. <PGC>. ML 4.4 (PGC).
	24	06 03 45.2	27.036 S	63.422 W	573 *	4.6	0.8	22	SANTIAGO DEL ESTERO PROV., ARG.
	24	06 10 07.0	27.741 N	56.571 E	33 N	4.8	1.1	52	SOUTHERN IRAN
	24	07 07 40.8	40.646 N	23.099 E	10 G		0.6	8	GREECE
	24	08 12 43.5*	22.944 S	171.199 E	62 *	5.0	1.2	35	LOYALTY ISLANDS REGION
	24	08 33 37.5*	60.190 N	152.558 W	89			38	SOUTHERN ALASKA. <AEIC>.
	24	08 55 49.8*	39.222 N	20.635 E	10 G		0.9	11	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH).
	24	09 17 14.2*	43.37 N	12.93 E	10 G		0.5	4	CENTRAL ITALY
	24	09 42 15.4*	40.626 N	28.478 E	10 G		0.1	5	TURKEY. MD 3.1 (ISK).

24	10	26	50.3?	33.40	S	72.87	W	10	G	0.9	9	OFF COAST OF CENTRAL CHILE	
24	10	33	28.8	44.962	N	14.761	E	5	G	0.9	17	ADRIATIC SEA. MD 2.9 (LJU), 2.9 (TRI). Felt at Senj, Yugoslavia.	
24	11	16	22.9	32.447	S	71.702	W	72	4.6	0.6	16	NEAR COAST OF CENTRAL CHILE. Felt (II) in the Santiago area	
24	11	23	54.6*	32.352	S	71.667	W	10	G	0.5	8	NEAR COAST OF CENTRAL CHILE	
24	11	52	19.0*	52.582	N	173.151	W	140	*	4.2	0.5	18	ANDREANOF ISLANDS, ALEUTIAN IS.
24	12	23	17.6%	44.251	N	4.509	E	10	G	0.8	10	FRANCE. ML 2.7 (LDG).	
24	14	05	13.0	41.804	N	20.266	E	10	G	0.5	11	ALBANIA. ML 2.6 (TTG).	
24	14	14	20.9	42.321	N	18.755	E	10	G	0.2	9	YUGOSLAVIA. ML 1.7 (TTG).	
24	16	01	52.5	14.646	N	120.293	E	54	*	4.6 3.8	0.9	13	LUZON, PHILIPPINE ISLANDS
24	16	29	35.7?	43.69	N	11.12	E	10	G	1.3	4	CENTRAL ITALY	
24	17	13	01.1%	57.597	N	142.457	W	10	G	0.9	3	GULF OF ALASKA. <AEIC>. ML 2.5 (AEIC).	
24	17	46	22.7	24.308	N	122.242	E	35	4.4	0.9	32	TAIWAN REGION	
24	18	43	48.7*	24.716	N	121.986	E	20	*	4.3	1.4	17	TAIWAN
24	19	02	52.4?	42.98	N	1.76	W	10	G	0.2	10	PYRENEES	
24	19	38	05.1%	37.528	N	118.975	W	1			18	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).	
24	19	48	08.0	14.961	N	120.443	E	10	G	4.9 4.0	1.1	49	LUZON, PHILIPPINE ISLANDS. Felt in Zambales Province and at Manila.
24	19	54	04.1	51.219	N	178.620	W	33	N	5.3 4.7	1.0	211	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.3 (PMR). Felt (IV) on Adak.
24	20	44	01.1?	4.98	S	134.74	E	33	N	4.1	1.8	5	WEST IRIAN REGION
24	20	47	10.8	31.547	N	35.557	E	10	G	0.7	10	DEAD SEA REGION	
24	21	39	46.6*	26.303	S	28.433	E	5	G	1.3	8	REPUBLIC OF SOUTH AFRICA. mbLg 3.7 (BUL).	
24	21	58	46.3*	31.828	S	68.456	W	10	G	0.8	5	SAN JUAN PROVINCE, ARGENTINA	
24	22	04	09.7	10.297	N	125.210	E	22	D	4.7 4.1	0.9	32	LEYTE, PHILIPPINE ISLANDS
24	23	56	21.6	44.084	N	7.205	E	5	G	0.4	19	NORTHERN ITALY. ML 2.1 (LDG), 2.0 (GEN).	
25	00	24	28.5	12.086	N	141.191	E	33	N	4.6 4.2	0.9	27	SOUTH OF MARIANA ISLANDS
25	00	35	31.6%	43.071	N	12.882	E	10	G	0.5	5	CENTRAL ITALY	
25	00	54	26.9%	43.856	N	12.095	E	10	G	1.0	10	CENTRAL ITALY	
25	00	56	28.7?	43.78	N	11.98	E	10	G	0.1	4	CENTRAL ITALY	
25	01	12	13.6?	38.92	N	23.92	E	33	N	0.2	7	GREECE	
25	01	25	21.8	40.266	N	21.089	E	5	G	0.9	9	GREECE	
25	01	30	18.9*	10.305	N	125.118	E	32	*	4.2	1.0	7	LEYTE, PHILIPPINE ISLANDS
25	01	39	42.6%	60.032	N	151.989	W	63			43	KENAI PENINSULA, ALASKA. <AEIC>.	
25	02	39	05.5?	21.30	S	71.81	W	33	N	1.1	5	OFF COAST OF NORTHERN CHILE	
25	02	53	14.0%	40.427	N	28.648	E	10	G	0.6	6	TURKEY. MD 3.0 (ISK).	
25	03	21	14.8*	6.848	N	73.123	W	163	4.1	1.2	17	NORTHERN COLOMBIA	
25	03	30	05.0*	9.077	S	118.453	E	33	N	4.3	1.3	11	SUMBAWA ISLAND REGION
25	03	49	18.4	36.602	N	140.883	E	62	5.0	1.1	147	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) at Mito. Also felt at Tokyo.	
25	04	03	29.4*	36.605	N	141.264	E	47	*	4.4	1.1	20	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito.
25	04	34	36.8*	38.158	N	26.570	E	33	N	0.5	10	AEGEAN SEA. MD 3.5 (ISK), 3.3 (ATH).	
25	04	56	07.0*	27.224	S	63.438	W	568	?	0.9	10	SANTIAGO DEL ESTERO PROV., ARG.	
25	06	08	10.2?	23.26	N	94.48	E	104	?	4.0	0.4	8	BURMA-INDIA BORDER REGION
25	06	46	45.6*	45.963	N	151.445	E	33	N	4.2	1.1	10	KURIL ISLANDS
25	07	25	27.8*	3.111	N	79.465	W	33	N	4.3 3.3	1.3	15	SOUTH OF PANAMA
25	08	08	01.2	44.296	N	7.466	E	5	G	0.5	13	NORTHERN ITALY. ML 2.5 (LDG), 2.0 (GEN).	
25	08	16	16.2?	16.06	N	60.99	W	78	?	0.1	6	LEEWARD ISLANDS	
25	09	26	57.3	38.456	N	12.106	E	22	*	1.0	15	SICILY	
25	09	29	24.5	38.911	N	20.297	E	5	G	4.1	1.0	25	GREECE. ML 3.9 (ATH).
25	09	41	00.1*	24.733	N	122.715	E	10	G	4.3	1.1	6	TAIWAN REGION
25	10	18	39.4*	32.162	S	69.636	W	100	G	0.7	6	MENDOZA PROVINCE, ARGENTINA	
25	11	03	14.8?	37.03	N	29.41	E	10	G	0.7	4	TURKEY. MD 3.3 (ISK).	
25	11	52	09.6?	16.57	N	61.62	W	10	G	1.2	4	LEEWARD ISLANDS. ML 2.6 (FDF).	
25	12	23	54.4	40.189	N	63.119	E	33	N	4.4	0.7	28	UZBEK SSR
25	12	34	32.4%	60.900	N	146.891	W	21	3.6	0.8	80	SOUTHERN ALASKA. <AEIC>. ML 3.8 (AEIC), 3.6 (PMR). Felt (III) at Valdez.	
25	13	24	17.1	46.313	N	12.920	E	5	G	0.8	9	NORTHERN ITALY. ML 2.6 (VIE). MD 2.5 (TRI).	
25	13	36	29.0?	8.98	S	106.45	E	33	N	4.4	1.7	5	SOUTH OF JAVA
25	14	50	47.5*	49.169	N	6.839	E	10	G	0.7	7	GERMANY. MD 2.1 (STR).	
25	15	16	30.8%	63.001	N	150.670	W	109			66	CENTRAL ALASKA. <AEIC>.	
25	17	53	25.8*	6.431	S	129.968	E	130	?	4.9	1.2	25	BANDA SEA
25	18	03	57.5%	40.726	N	27.906	E	10	G	0.2	5	TURKEY. MD 2.7 (ISK).	
25	18	14	23.5*	3.860	S	134.765	E	33	N	5.2	0.8	10	WEST IRIAN REGION
25	18	15	08.4*	6.933	S	124.068	E	33	N	0.8	5	BANDA SEA	
25	18	16	44.7	4.408	S	152.932	E	53	5.1 4.4	0.9	69	NEW BRITAIN REGION	
25	18	33	34.4%	40.701	N	28.109	E	10	G	0.4	5	TURKEY. MD 2.7 (ISK).	
25	19	04	10.2?	8.67	S	128.06	E	192	?	4.7	1.3	7	TIMOR SEA
25	20	26	55.9*	43.181	N	147.317	E	33	N	4.5	1.1	12	KURIL ISLANDS
25	20	34	57.9	21.531	N	94.020	E	55	5.0 3.9	1.0	152	BURMA	
25	21	02	13.6%	37.209	N	110.358	W	1			1	UTAH. <SLC-P>. MD 3.0 (SLC).	
25	21	29	19.0?	44.64	N	6.74	E	10	G	0.5	4	FRANCE. ML 1.6 (GEN).	
25	22	12	50.4?	16.93	N	60.22	W	10	G	0.2	7	LEEWARD ISLANDS. ML 2.8 (FDF).	
25	22	34	59.5?	42.49	N	13.28	E	10	G	1.4	4	CENTRAL ITALY	
25	23	01	03.3	42.838	N	111.232	W	5	G	0.8	18	EASTERN IDAHO. ML 3.2 (GS).	
25	23	06	57.2	5.244	N	72.912	W	14	5.1 4.8	1.0	134	COLOMBIA. Felt at Bogota, Villavicencia, Bucaramanga and in northeastern Colombia.	
25	23	43	44.5*	32.781	S	66.815	W	174	*	4.2	0.8	13	SAN LUIS PROVINCE, ARGENTINA
26	00	09	31.4?	0.45	N	122.31	E	33	N	5.1	0.7	6	MINAHASSA PENINSULA
26	00	50	00.4	37.399	N	12.213	E	10			1.0	25	SICILY. ML 3.4 (ROM).
26	02	06	02.3?	38.11	N	22.07	E	10	G	0.2	4	GREECE. ML 3.1 (ATH).	
26	02	23	28.5	38.232	N	22.187	E	10	G	1.1	22	GREECE. ML 3.0 (ATH).	
26	04	14	16.4%	42.642	N	12.909	E	10	G	0.8	5	CENTRAL ITALY	
26	04	52	24.5%	44.079	N	8.654	E	10	G	0.4	8	NORTHERN ITALY. ML 2.1 (GEN).	
26	04	58	43.4	38.244	N	22.073	E	10	G	0.9	7	GREECE. ML 3.0 (ATH).	
26	05	46	57.0	38.247	N	22.127	E	5	G	1.2	11	GREECE. ML 3.1 (ATH).	
26	06	09	32.4?	38.25	N	22.07	E	5	G	0.9	4	GREECE. MD 3.0 (ATH).	
26	06	22	18.0?	16.81	N	100.23	W	53	?	1.1	8	NEAR COAST OF GUERRERO, MEXICO	
26	06	30	59.8%	62.069	N	150.391	W	53			46	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).	
26	07	51	04.1*	2.155	S	127.459	E	10	G	5.0 4.2	0.5	9	CERAM SEA
26	10	52	39.0%	36.570	N	89.600	W	6			12	NEW MADRID, MISSOURI REGION. <SLM>. MD 2.7 (SLM).	

26	11 00 36.9	39.595 N	27.816 E	11		0.9	38	TURKEY. ML 4.2 (ATH). MD 4.0 (ISK).
26	11 42 57.9*	38.164 N	21.123 E	10 G		0.9	6	GREECE
a 26	11 43 35.7	38.435 N	21.098 E	40	5.0 5.1	1.2	222	GREECE. MD 4.9 (ATH). Felt on Ithaki.
26	12 07 31.7&	63.499 N	150.789 W	10			55	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
26	12 34 53.9%	37.940 N	6.315 W	10 G		1.4	6	SPAIN. mbLg 2.7 (MDD).
26	12 36 41.5?	38.25 N	21.01 E	10 G		0.8	6	GREECE
26	13 02 06.9&	59.018 N	152.557 W	60			59	SOUTHERN ALASKA. <AEIC>.
26	13 27 00.8*	27.017 S	63.171 W	567 ?	4.4	0.5	9	SANTIAGO DEL ESTERO PROV., ARG.
26	14 28 25.5*	24.131 N	108.246 W	10 G	4.3 4.1	1.5	19	GULF OF CALIFORNIA
26	14 34 43.0*	8.323 N	94.165 E	33 N	4.9	1.0	13	NICOBAR ISLANDS REGION
26	14 41 36.6?	38.43 N	20.81 E	10 G		1.1	4	GREECE. MD 3.0 (ATH).
26	14 57 38.8?	34.53 S	71.05 W	33 N		0.1	5	NEAR COAST OF CENTRAL CHILE. Felt (II) at Santiago.
26	15 18 34.7	21.056 S	69.561 W	114	4.7	0.9	53	NORTHERN CHILE. Felt (V) at Arica and (IV) at Iquique.
26	15 27 32.6*	45.871 N	21.064 E	33 N		0.9	6	ROMANIA
26	15 42 41.7?	17.11 N	147.74 E	33 N		0.3	5	MARIANA ISLANDS REGION
26	15 48 05.8*	8.246 N	94.240 E	33 N	4.1	1.3	9	NICOBAR ISLANDS REGION
26	16 14 06.1*	16.625 N	98.957 W	115 ?		1.4	10	NEAR COAST OF GUERRERO, MEXICO. Felt along the coast of Guerrero from Acapulco to Coyuca.
26	16 17 24.2*	2.749 S	119.655 E	54 *	4.2	1.0	11	SULAWESI
26	16 27 19.7*	17.714 N	61.618 W	33 N		0.5	8	LEEWARD ISLANDS. ML 3.8 (FDF).
26	16 51 59.6*	24.567 N	122.537 E	30 *	4.2	0.4	8	TAIWAN REGION
26	17 03 46.7?	12.05 N	143.92 E	33 N	4.5	0.6	7	SOUTH OF MARIANA ISLANDS
26	17 25 49.5?	16.74 N	143.40 E	33 N	4.1	0.2	5	MARIANA ISLANDS REGION
26	17 35 52.4*	0.110 N	135.628 E	33 N	3.1	0.1	5	WEST IRIAN REGION
26	19 41 45.9?	18.97 N	67.68 W	10 G		1.0	7	MONA PASSAGE
26	19 56 47.1	10.357 N	125.151 E	37	5.0 4.5	1.0	42	LEYTE, PHILIPPINE ISLANDS
26	20 01 29.4	40.792 N	19.492 E	10 G	3.5	1.2	89	ALBANIA. ML 3.7 (TTG).
26	20 15 31.0%	43.777 N	13.130 E	10 G		0.9	8	CENTRAL ITALY
26	20 37 25.9?	38.77 N	27.68 E	10 G		0.3	4	TURKEY. MD 2.9 (ISK).
26	20 47 18.1	38.374 N	20.976 E	10 G		1.4	20	GREECE
26	21 15 52.4	38.281 N	22.168 E	5 G		1.1	16	GREECE. ML 3.0 (ATH).
26	21 17 47.4*	18.314 N	101.065 W	109 *	4.0	1.2	12	GUERRERO, MEXICO
26	21 26 11.0%	38.782 N	27.725 E	10 G		0.5	5	TURKEY. MD 3.0 (ISK).
26	22 19 44.0&	63.070 N	150.864 W	124			44	CENTRAL ALASKA. <AEIC>.
26	22 50 20.6?	40.83 N	29.74 E	10 G		0.4	5	TURKEY. MD 2.8 (ISK).
26	22 53 39.0*	41.935 N	142.296 E	79 *	4.7	0.9	48	HOKKAIDO, JAPAN REGION
a 26	23 07 06.2	0.079 S	123.558 E	114 D	5.5	1.0	134	MINAHASSA PENINSULA
26	23 20 28.4*	38.362 N	24.011 E	10 G		1.2	7	AEGEAN SEA. ML 2.9 (ATH).
26	23 37 39.9	38.224 N	22.183 E	5 G		1.2	13	GREECE. ML 3.1 (ATH).
27	00 11 04.4*	32.474 N	130.340 E	33 N	4.5 3.9	1.3	15	KYUSHU, JAPAN. Felt (IV JMA) at Mt. Unzen.
27	00 15 18.9?	46.39 N	1.83 E	10 G		0.4	4	FRANCE. ML 1.6 (LDG).
27	01 49 54.2	38.286 N	22.047 E	10 G		1.1	6	GREECE. ML 3.0 (ATH).
27	01 53 33.3	40.003 N	29.100 E	10 G		0.7	8	TURKEY. MD 2.7 (ISK).
27	03 35 59.6*	43.761 N	16.818 E	10 G		0.8	7	YUGOSLAVIA
27	03 43 38.6&	58.243 N	143.117 W	10 G	3.2		33	GULF OF ALASKA. <AEIC>. ML 2.8 (AEIC).
27	04 10 35.6	38.307 N	21.032 E	10 G	3.7	1.3	26	GREECE. ML 3.7 (ATH).
27	04 44 12.1	45.050 N	2.999 E	10 G		0.6	25	FRANCE. MD 3.5 (STR). ML 3.4 (LDG).
27	05 21 55.7*	31.736 S	69.092 W	10 G		1.2	6	SAN JUAN PROVINCE, ARGENTINA
27	05 57 26.9	38.233 N	22.172 E	5 G		1.3	19	GREECE. ML 2.9 (ATH).
27	06 03 21.9&	38.803 N	122.457 W	9			19	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
27	06 20 11.4%	60.380 N	5.304 E	10 G		0.4	7	SOUTHERN NORWAY. MD 1.0 (BER).
27	08 00 52.9%	44.365 N	7.740 E	10 G		0.5	8	NORTHERN ITALY. ML 1.7 (GEN).
27	08 04 30.8?	18.43 S	177.79 W	576 ?	4.4	1.3	39	FIJI ISLANDS REGION
27	08 16 26.0	41.575 N	14.393 E	33 N		0.9	13	SOUTHERN ITALY
27	09 29 43.5%	44.590 N	8.108 E	10 G		0.1	5	NORTHERN ITALY. ML 1.9 (GEN).
27	09 51 10.6%	44.597 N	8.103 E	10 G		0.4	8	NORTHERN ITALY. ML 2.0 (GEN).
27	11 55 15.1*	56.319 S	142.211 W	10 G	5.1 5.1	0.9	9	SOUTH PACIFIC CORDILLERA
27	12 32 50.5%	42.766 N	19.171 E	10 G		0.3	9	YUGOSLAVIA. ML 1.6 (TTG).
27	12 59 56.2%	37.443 N	5.058 W	10 G		0.3	7	SPAIN. mbLg 2.5 (MDD).
27	13 11 18.9%	39.074 N	27.738 E	10 G		0.3	5	TURKEY
27	14 01 02.8%	42.642 N	13.107 E	10 G		1.0	8	CENTRAL ITALY
27	14 07 17.7%	40.802 N	23.261 E	10 G		0.2	6	GREECE
27	14 18 41.6%	44.385 N	7.380 E	10 G		0.3	9	NORTHERN ITALY. ML 2.0 (GEN).
27	15 41 37.7&	61.378 N	150.225 W	36			58	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
27	15 41 58.8&	62.744 N	147.355 W	27			23	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
27	16 06 19.6	39.946 N	20.583 E	10 G		0.5	8	GREECE-ALBANIA BORDER REGION
27	16 56 21.6	6.676 S	154.887 E	83 *	4.8	0.9	15	SOLOMON ISLANDS
27	16 58 19.3*	41.890 N	21.749 E	10 G		0.8	6	YUGOSLAVIA. ML 1.9 (SKO).
27	17 50 23.2&	63.168 N	150.474 W	114	3.2		69	CENTRAL ALASKA. <AEIC>.
27	17 59 48.9&	62.013 N	149.724 W	44			46	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
27	18 15 09.6	5.183 S	150.618 E	243 *	4.9	0.8	14	NEW BRITAIN REGION
27	18 15 28.8?	38.17 N	22.04 E	10 G		0.7	4	GREECE. ML 2.8 (ATH).
a 27	19 42 41.1	24.361 N	108.233 W	10 G	5.5 5.6	1.3	109	GULF OF CALIFORNIA. Ms 5.6 (BRK). Mo=6.0*10**17 Nm (PPT).
27	20 28 28.0?	31.33 S	68.24 W	10 G		0.6	5	SAN JUAN PROVINCE, ARGENTINA
27	20 52 32.8?	40.40 N	26.29 E	10 G		0.0	4	TURKEY. MD 2.8 (ISK).
27	20 54 06.4?	41.18 N	23.18 E	10 G		0.1	4	GREECE-BULGARIA BORDER REGION
27	21 58 26.8	44.331 N	6.848 E	10 G		0.5	27	FRANCE. ML 2.5 (GEN). MD 2.0 (STR).
27	22 19 10.5*	10.804 S	74.365 W	33 ?	4.7	1.0	22	PERU
27	23 06 35.1	38.235 N	22.174 E	5 G		1.4	19	GREECE. ML 3.1 (ATH).
27	23 34 26.6?	18.13 N	67.12 W	33 N		1.0	5	MONA PASSAGE
28	00 06 55.1&	58.493 N	142.710 W	10 G			13	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).
28	00 30 02.6	38.255 N	22.255 E	10 G		0.8	17	GREECE. ML 3.3 (ATH).
28	01 00 18.0?	59.13 S	30.34 W	10 G	5.2 4.5	0.8	12	SOUTH SANDWICH ISLANDS REGION
28	01 10 29.6	37.955 N	19.820 E	5 G		1.1	30	IONIAN SEA. ML 3.7 (ATH).
28	02 40 07.9	6.276 S	151.358 E	56 *	4.6	0.7	17	NEW BRITAIN REGION
28	05 19 02.3?	44.12 N	9.73 E	10 G		0.4	6	NORTHERN ITALY
28	05 30 09.5*	38.104 N	21.994 E	10 G		0.6	5	GREECE. ML 3.0 (ATH).
28	06 48 22.8	37.108 N	3.866 W	10 G		1.0	10	SPAIN. mbLg 3.0 (MDD).
28	07 09 29.9*	37.031 N	27.754 E	10 G		0.5	5	TURKEY. MD 3.5 (ISK).
28	07 58 11.9&	59.951 N	152.753 W	99			79	SOUTHERN ALASKA. <AEIC>.
28	08 05 54.9%	41.345 N	29.279 E	10 G		0.9	6	TURKEY. MD 2.9 (ISK).
28	08 09 52.8%	41.479 N	29.303 E	10 G		0.2	6	TURKEY. MD 3.0 (ISK).

28	09 02 00.87	39.09 N	27.65 E	10 G	0.4	4	TURKEY. MD 2.8 (ISK).	
28	09 26 49.7&	37.077 N	122.370 W	9		16	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=4.2*10**14 Nm (BRK).	
28	10 11 05.6+	15.249 N	94.778 W	33 N	0.8	8	NEAR COAST OF OAXACA, MEXICO. Felt in the Ixhuatlan-Tanala area.	
28	11 11 09.9+	35.840 N	139.524 E	115 *	4.5	0.6	19	NEAR S. COAST OF HONSHU, JAPAN. Felt (IV) at Yakasuka.
28	12 18 24.5%	39.113 N	27.706 E	10 G	0.1	5	TURKEY. MD 2.8 (ISK).	
28	12 52 12.7+	17.123 N	100.441 W	10 G	0.2	5	GUERRERO, MEXICO. Felt at Morra Papanaa and San Jeranimo.	
28	13 54 40.5	6.609 S	105.579 E	112	5.3	1.1	90	SUNDA STRAIT
28	14 04 08.8	36.443 N	26.553 E	153 *		1.2	15	DODECANESE ISLANDS. MD 3.6 (ISK).
f 28	14 43 54.5&	34.262 N	118.002 W	11	5.8 5.1	297	SOUTHERN CALIFORNIA. <PAS-P>. ML 5.4 (PAS), 5.7 (BRK). Mo=3.0*10**17 Nm (PPT). One person killed at Arcadia and one person died from a heart attack at Glendale. At least 100 people were injured although most involved only minor cuts and bruises. Damage in the Arcadia, Monrovia, Pasadena, San Marina and Sierra Madre areas estimated at 33.5 million dollars. Maximum intensity VII at Arcadia, Monrovia, Pasadena and Sierra Madre. Some rockslides occurred on mountain roads. Felt strongly throughout much of southern California from Santa Barbara to San Diego and east as far as the Palm Springs-India area. Depth 9.9 kilometers from broadband displacement seismograms.	
28	14 59 32.5&	34.250 N	118.040 W	9		5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt at Pasadena and Monrovia.	
28	15 37 58.8&	34.250 N	117.980 W	13		30	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS). Felt at Pasadena, Monrovia and Sierra Madre.	
28	16 16 14.7&	33.430 N	116.680 W	14		3	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).	
28	16 58 06.3&	58.385 N	155.843 W	0		58	ALASKA PENINSULA. <AEIC>. ML 4.3 (AEIC).	
28	16 58 45.8&	34.260 N	117.990 W	10		15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt at Pasadena, Monrovia and Sierra Madre.	
28	17 00 55.5&	34.250 N	117.990 W	9	4.3	42	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.3 (PAS). Felt in the Pasadena area.	
28	17 58 46.6+	49.137 N	6.897 E	10 G	0.8	7	GERMANY. MD 1.9 (STR).	
28	18 34 51.9	38.276 N	81.668 W	5 G	0.9	14	WEST VIRGINIA. mbLg 3.2 (BLA). Felt at Charleston.	
28	18 52 58.1&	34.250 N	118.010 W	11		11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).	
28	18 53 31.5%	43.091 N	0.345 W	10 G	0.5	6	PYRENEES. MD 1.0 (STR).	
28	19 41 04.4&	59.848 N	152.663 W	84		56	SOUTHERN ALASKA. <AEIC>.	
28	20 37 12.9&	37.632 N	118.942 W	9		19	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK). Small precursor about 4.0 seconds prior to the main event.	
28	22 48 14.8	38.213 N	22.063 E	10 G	1.1	9	GREECE. ML 2.8 (ATH)	
28	23 01 28.6	41.130 N	142.936 E	51	4.8	0.8	20	HOKKAIDO, JAPAN REGION
28	23 18 57.0&	37.630 N	118.943 W	5		10	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).	
28	23 29 32.37	43.73 N	8.40 E	10 G	0.2	7	CORSICA. ML 2.3 (GEN).	
28	23 48 47.6	43.639 N	7.549 E	20		33	NEAR SOUTH COAST OF FRANCE. ML 3.2 (GEN).	
28	23 57 12.2%	37.421 N	5.006 W	10 G	0.8	12	SPAIN. mbLg 3.0 (MDD).	
29	00 08 28.5+	41.344 N	19.359 E	5 G	0.9	12	ALBANIA. ML 2.5 (TTG).	
29	00 45 13.3	37.255 N	20.731 E	60	4.0	1.1	62	IONIAN SEA. MD 4.1 (ATH).
29	01 41 04.7+	17.286 N	61.820 W	17 *	0.9	8	LEEWARD ISLANDS. ML 3.1 (FDF).	
29	02 09 01.3&	31.790 N	115.860 W	6 G		6	BAJA CALIFORNIA. <PAS-P>. ML 3.6 (PAS).	
29	03 01 47.87	51.24 N	15.93 E	10 G	0.9	4	POLAND	
29	03 44 15.4	0.393 S	132.239 E	33 N	5.2 4.3	1.2	47	WEST IRIAN REGION
29	04 05 06.8+	37.362 N	71.512 E	33 N	4.6	1.0	11	AFGHANISTAN-USSR BORDER REGION
29	05 18 52.07	15.06 N	120.08 E	10 G	4.2	0.7	4	LUZON, PHILIPPINE ISLANDS
29	05 58 48.37	41.87 N	13.09 E	10 G	0.1	4	SOUTHERN ITALY	
29	06 33 35.47	36.88 N	46.87 E	33 N	1.4	5	NORTHWESTERN IRAN	
29	07 54 34.27	33.54 S	70.80 W	94 ?	0.7	6	CHILE-ARGENTINA BORDER REGION	
29	08 12 30.4	39.164 N	20.518 E	10 G	3.7	1.2	37	GREECE-ALBANIA BORDER REGION. ML 3.8 (ATH).
29	08 20 05.57	39.02 N	27.70 E	33 N	0.8	4	TURKEY	
29	08 42 29.0&	38.035 N	119.155 W	9		20	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK).	
29	09 48 10.4&	36.900 N	121.340 W	4		19	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).	
29	09 57 48.8+	36.649 N	141.612 E	10 G	4.0	1.2	17	NEAR EAST COAST OF HONSHU, JAPAN
29	10 00 58.6+	49.808 N	155.092 E	33 N	4.5	0.9	20	KURIL ISLANDS
29	10 32 43.77	45.09 N	2.90 E	10 G	0.9	4	FRANCE. ML 1.9 (LDG).	
29	10 33 52.7	45.069 N	3.008 E	10 G	0.7	22	FRANCE. ML 3.1 (LDG).	
29	12 56 11.9&	40.812 N	124.622 W	17		8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.6 (BRK).	
29	13 02 48.5	38.200 N	22.051 E	5 G	1.1	12	GREECE. ML 3.0 (ATH).	
29	13 13 28.2+	16.147 N	99.152 W	10 G	4.6	0.8	9	NEAR COAST OF GUERRERO, MEXICO
29	14 38 23.7	48.241 N	7.635 E	10 G	0.1	8	FRANCE. ML 2.1 (LDG). Md 1.6 (STR).	
29	16 25 11.5+	38.200 N	22.055 E	10 G	0.6	5	GREECE. ML 2.8 (ATH).	
29	16 26 27.3	16.873 S	173.783 W	33 N	5.2 4.3	0.8	73	TONGA ISLANDS
29	16 53 57.5%	40.194 N	27.635 E	10 G	0.7	5	TURKEY. MD 2.5 (ISK).	
29	17 53 39.6&	34.920 N	116.540 W	6 G		16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS).	
29	17 53 52.0&	34.910 N	116.580 W	6 G		3	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). Felt at Apple Valley and Barstow.	
29	18 32 05.7+	33.735 S	71.046 W	77	4.6	0.9	25	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Santiago, Vina del Mar, Valparaiso, Rancagua and Melipilla.
29	19 40 11.6&	66.320 N	149.736 W	25		10	ALASKA. <AEIC>. ML 2.5 (AEIC).	
29	20 50 42.1+	0.272 S	122.794 E	170 *	4.2	0.3	12	MINAHASSA PENINSULA
29	21 25 04.5&	63.441 N	150.889 W	16		48	CENTRAL ALASKA. <AEIC>. ML 3.1 (AEIC).	
29	21 25 17.4	6.774 N	73.011 W	158	4.6	1.0	37	NORTHERN COLOMBIA
29	21 39 09.3+	41.744 N	22.879 E	10 G		0.4	6	YUGOSLAVIA. ML 2.1 (SKO).
29	21 46 34.6	19.821 N	109.113 W	10 G	4.8 4.4	1.3	43	REVILLA GIGEDO ISLANDS REGION
29	21 48 04.9&	56.580 N	157.381 W	0		33	ALASKA PENINSULA. <AEIC>. ML 3.4 (AEIC).	
29	22 27 23.9	41.759 N	22.901 E	10 G	0.5	18	YUGOSLAVIA. ML 2.5 (SKO).	
29	22 40 26.47	39.27 N	29.09 E	10 G	0.2	4	TURKEY	
29	23 21 44.0	40.634 N	29.145 E	10 G	0.3	7	TURKEY. MD 3.0 (ISK).	
29	23 22 39.7	14.615 N	92.980 W	74	4.8	1.0	102	NEAR COAST OF CHIAPAS, MEXICO
29	23 39 03.6%	30.604 S	117.108 E	10 G	1.1	5	WESTERN AUSTRALIA	
30	00 23 47.7%	39.272 N	27.676 E	10 G	0.5	5	TURKEY. MD 2.9 (ISK).	
30	00 37 51.3+	43.332 N	18.191 E	5 G	0.5	9	YUGOSLAVIA. ML 2.3 (TTG).	

o 30	01 44 12.8	21.621 S	114.234 W	10 G	5.3 5.0	1.0	95	EASTER ISLAND CORDILLERA
30	02 07 14.4	39.341 N	27.833 E	10 G		0.2	5	TURKEY. MD 3.1 (ISK).
30	02 33 15.1	43.067 N	0.080 W	10 G		0.6	13	PYRENEES. ML 3.0 (LDG). Felt (IV) Lourdes, Asson and Argeles-Gozost, France.
30	02 33 15.1	11.961 N	142.046 E	33 N	5.0	1.1	42	SOUTH OF MARIANA ISLANDS
o 30	03 08 14.2	14.371 S	13.562 W	10 G	5.3 5.5	0.8	176	SOUTH ATLANTIC RIDGE. Mo=1.0*10**18 Nm (PPT).
30	03 12 14.4	31.666 S	70.025 W	24 *		1.2	8	CHILE-ARGENTINA BORDER REGION
30	03 16 59.7	43.509 N	18.581 E	10 G		1.0	13	YUGOSLAVIA
30	04 19 38.2	45.13 N	3.01 E	10 G		1.3	4	FRANCE. ML 1.7 (LDG).
30	04 24 19.9	15.26 N	60.71 W	33 N		0.4	5	LEEWARD ISLANDS. ML 2.3 (FDF).
30	04 32 35.8	18.88 N	64.71 W	10 G		0.2	7	VIRGIN ISLANDS
30	04 54 42.2	8.991 N	127.132 E	33 N	4.4	1.3	12	PHILIPPINE ISLANDS REGION
30	05 20 34.5	33.192 S	68.644 W	25		0.7	8	MENDOZA PROVINCE, ARGENTINA
30	05 40 16.8	17.60 S	179.99 W	640 ?	4.7	0.5	13	FIJI ISLANDS REGION
30	05 55 11.7	47.93 N	150.14 E	33 N	4.2	0.3	5	KURIL ISLANDS
30	06 17 17.4	45.66 N	15.66 E	10 G		0.7	4	YUGOSLAVIA
30	06 58 09.0	45.010 N	3.129 E	10 G		1.2	9	FRANCE. ML 2.6 (LDG).
30	08 24 22.6	50.09 N	18.87 E	5 G		1.4	4	POLAND. ML 2.8 (KRA).
30	08 27 34.0	16.908 N	100.501 W	54 *	4.4	1.0	22	NEAR COAST OF GUERRERO, MEXICO. Felt in Guerrero.
30	08 38 26.5	14.443 N	119.649 E	10 G	4.1	1.4	9	LUZON, PHILIPPINE ISLANDS
30	08 51 18.4	60.177 N	152.776 W	107			44	SOUTHERN ALASKA. <AEIC>.
30	08 58 24.0	39.67 N	51.44 E	10 G		0.6	6	CASPIAN SEA. Felt at Talesh, Iran.
30	10 00 34.2	43.965 N	10.960 E	10 G		0.3	5	CENTRAL ITALY
30	10 04 11.1	38.216 N	30.104 E	10 G		0.6	5	TURKEY. MD 3.0 (ISK).
30	11 52 20.7	40.69 N	23.09 E	10 G		0.4	4	GREECE
30	12 04 58.3	37.634 N	20.781 E	33 N	3.8	1.0	27	IONIAN SEA. ML 3.3 (ATH).
30	13 18 00.5	8.106 N	74.629 W	52 D	4.8	1.0	103	NORTHERN COLOMBIA
30	13 19 37.7	39.137 N	25.888 E	19		1.3	23	AEGEAN SEA. ML 3.4 (ATH). MD 3.7 (ISK).
30	14 13 45.3	18.08 N	67.09 W	33 N		1.2	6	MONA PASSAGE
30	14 38 54.7	62.662 N	144.429 W	17			24	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
30	14 48 28.0	19.461 S	71.318 W	33 N	4.7	1.3	19	OFF COAST OF NORTHERN CHILE
30	15 15 53.2	19.617 S	71.626 W	33 N		1.3	5	OFF COAST OF NORTHERN CHILE
30	15 50 18.4	14.74 N	93.07 W	33 N	3.7	1.3	5	NEAR COAST OF CHIAPAS, MEXICO
30	16 43 29.7	39.339 N	16.752 E	10 G		1.4	6	SOUTHERN ITALY
30	17 07 10.5	39.323 N	16.860 E	10 G		1.1	9	SOUTHERN ITALY
30	18 19 20.7	39.337 N	16.821 E	10 G		1.3	9	SOUTHERN ITALY
30	19 04 35.2	39.311 N	16.847 E	10 G		1.4	8	SOUTHERN ITALY
30	20 09 18.3	42.424 N	43.688 E	10 G	4.5 3.1	1.0	44	WESTERN CAUCASUS
30	20 12 23.9	40.738 N	29.131 E	10 G		0.7	6	TURKEY. MD 2.4 (ISK).
30	20 14 48.5	40.704 N	29.091 E	10 G		0.7	5	TURKEY. MD 2.4 (ISK).
30	20 24 10.7	16.490 N	61.406 W	10 G		1.3	6	LEEWARD ISLANDS. ML 2.2 (FDF).
30	20 26 12.4	40.743 N	29.135 E	10 G		0.7	7	TURKEY. MD 2.6 (ISK).
30	20 39 29.7	36.965 N	29.315 E	10 G		0.9	5	TURKEY. MD 3.4 (ISK).
30	20 45 58.2	37.067 N	29.545 E	10 G		0.2	6	TURKEY. MD 3.0 (ISK).
30	21 03 11.4	37.673 N	14.847 E	10 G		1.4	5	SICILY
30	21 15 55.2	37.04 N	29.51 E	10 G		0.2	4	TURKEY. MD 3.2 (ISK).
30	21 17 14.4	37.066 N	29.553 E	10 G		0.3	5	TURKEY. MD 3.2 (ISK).
30	21 31 06.5	37.06 N	29.56 E	10 G		0.7	4	TURKEY
30	22 08 12.3	14.09 N	91.35 W	76 ?	4.1	1.5	12	GUATEMALA
30	22 50 11.8	20.822 N	96.610 E	33 N	4.2	1.4	12	BURMA
30	22 55 19.0	10.23 N	82.84 W	10 G	4.7	0.5	9	NORTH OF PANAMA
30	22 57 22.0	73.517 N	7.749 E	10 G	4.3 3.5	1.0	29	GREENLAND SEA
30	22 59 09.2	2.660 S	138.837 E	33 N	5.0	1.0	23	WEST IRIAN
30	23 13 00.2	31.61 S	66.87 W	117 ?		0.9	7	LA RIOJA PROVINCE, ARGENTINA
30	23 57 03.0	37.077 N	29.564 E	10 G		0.7	5	TURKEY

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

02 16 25 26.71	24.905S	179.924E	505km	Best Double Couple:Mo=9.0*10**16	Scale 10**16 Nm
5.2mb (45 obs.)				NP1:Strike= 50 Dip=44 Slip= 41	T Val= 7.02 Plg= 0 Azm=249
SOUTH OF FIJI ISLANDS				NP2: 287 63 125	N -1.57 90 180
CENTROID, MOMENT TENSOR (HRV)					P -5.45 0 159
Data Used: GDSN					
L.P.B.: 16S, 31C				03 05 05 14.80	40 022S
Centroid Location:				5.7mb (33 obs.)	4.8msz (6 obs.)
Origin Time 16:25:36.0 0.7				OFF COAST OF SOUTHERN CHILE	
Lat 24.52S 0.08 Lon 179.40E 0.05				CENTROID, MOMENT TENSOR (HRV)	
Dep 506.9 2.9 Half-duration 2.1				Data Used: GDSN	
Principal Axes:				L.P.B.: 19S, 34C	
Scale 10**17 Nm				Centroid Location:	
T Val= 1.73 Plg=33 Azm= 83				Origin Time 05:05:21.1 0.4	
N 0.00 5 350				Lat 40.77S 0.06 Lon 75.75W 0.07	
P -1.73 57 253				Dep 15.0 BDY Half-duration 2.3	
Best Double Couple:Mo=1.7*10**17				Principal Axes:	
NP1:Strike=190 Dip=13 Slip=-69				Scale 10**17 Nm	
NP2: 349 78 -95				T Val= 3.13 Plg=12 Azm=291	
				N -1.15 37 30	
				P -1.98 51 187	
02 19 22 58.58	6.367S	129.958E	138km	Best Double Couple:Mo=2.5*10**17	
5.1mb (25 obs.)				NP1:Strike=345 Dip=46 Slip=-146	
BANDA SEA				NP2: 229 66 -49	
CENTROID, MOMENT TENSOR (HRV)					
Data Used: GDSN				03 10 22 40.44	40.048N
L.P.B.: 14S, 23C				5.0mb (64 obs.)	4.4msz (9 obs.)
Centroid Location:				TURKEY	
Origin Time 19:23: 0.9 0.8				CENTROID, MOMENT TENSOR (HRV)	
Lat 6.47S 0.05 Lon 129.81E 0.10				Data Used: GDSN	
Dep 150.9 2.1 Half-duration 1.6				L.P.B.: 14S, 21C	
Principal Axes:				Centroid Location:	
Scale 10**16 Nm				Origin Time 10:22:43.8 1.6	
T Val= 8.82 Plg=57 Azm=245				Lat 40.22N 0.15 Lon 42.82E 0.13	
N 0.38 31 89				Dep 15.0 FIX Half-duration 1.6	
P -9.20 11 352				Principal Axes:	
				Scale 10**17 Nm	
				T Val= 1.36 Plg=14 Azm=109	
				N -0.21 8 201	
				P -1.15 74 321	
				Best Double Couple:Mo=1.3*10**17	
				NP1:Strike=188 Dip=32 Slip=-105	
				NP2: 26 59 -81	
				05 06 44 42.32	2.437N
				5.0mb (47 obs.)	128.618E
				HALMAHERA	225km
				CENTROID, MOMENT TENSOR (HRV)	
				Data Used: GDSN	
				L.P.B.: 14S, 22C	
				Centroid Location:	

Origin Time 06:44:47.4 0.6
 Lat 3.01N 0.04 Lon 128.31E 0.07
 Dep 223.6 4.5 Half-duration 1.6
 Principal Axes:
 Scale 10**16 Nm
 T Val= 9.90 Plg=55 Azm=131
 N -2.92 22 6
 P -6.98 26 265
 Best Double Couple:Mo=8.4*10**16
 NP1:Strike=316 Dip=27 Slip= 36
 NP2: 192 74 113

05 16 43 07.67 36.042S 100.732W 10km
 5.2mb (8 obs.) 5.1MsZ (2 obs.)
 SOUTHERN PACIFIC OCEAN
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 26C
 Centroid Location:
 Origin Time 16:43:11.6 0.5
 Lat 36.02S 0.06 Lon 100.93W 0.06
 Dep 15.0 FIX Half-duration 2.0
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.59 Plg= 0 Azm=226
 N -0.16 90 180
 P -1.44 0 136
 Best Double Couple:Mo=1.5*10**17
 NP1:Strike=271 Dip=90 Slip=-180
 NP2: 1 90 0

06 02 28 46.89 5.965S 103.914E 53km
 5.3mb (25 obs.)
 SOUTHERN SUMATERA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 31C
 Centroid Location:
 Origin Time 02:28:53.7 0.4
 Lat 6.21S 0.04 Lon 104.11E 0.07
 Dep 33.0 FIX Half-duration 2.3
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.82 Plg=45 Azm= 76
 N 1.17 35 302
 P -3.00 25 193
 Best Double Couple:Mo=2.4*10**17
 NP1:Strike=236 Dip=37 Slip= 19
 NP2: 130 79 126

07 11 51 25.97 7.204S 122.533E 536km
 6.2mb (63 obs.)
 FLORES SEA
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=315 Dip=90 Slip= 123
 NP2: 45 33 360
 Principal Axes:
 T Plg=36 Azm=254
 P 36 16
 Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a large strike-slip component. The preferred fault plane is not determined.
 RADIATED ENERGY
 No. of sta: 8 Focal mech. F
 Energy 3.5±1.0*10**14 Nm
 MOMENT TENSOR SOLUTION
 Dep 508 No. of sta: 8
 Principal Axes:
 Scale 10**19 Nm
 T Val= 2.77 Plg=41 Azm=260
 N 0.00 36 131
 P -2.76 28 18
 Best Double Couple:Mo=2.8*10**19
 NP1:Strike= 57 Dip=37 Slip= 13
 NP2: 317 82 126
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 22S, 60C
 Centroid Location:
 Origin Time 11:51:35.9 0.2
 Lat 7.07S 0.02 Lon 122.43E 0.02
 Dep 535.4 1.1 Half-duration 10.2
 Principal Axes:
 Scale 10**19 Nm
 T Val= 2.49 Plg=38 Azm=260
 N -0.21 33 139
 P -2.28 34 23
 Best Double Couple:Mo=2.4*10**19
 NP1:Strike= 55 Dip=34 Slip= 5
 NP2: 320 87 123

08 01 58 30.01 45.676N 150.932E 43km
 5.5mb (96 obs.) 4.9MsZ (16 obs.)
 KURIL ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 26C
 Centroid Location:
 Origin Time 01:58:31.8 0.6
 Lat 45.75N 0.06 Lon 151.18E 0.07
 Dep 43.3 5.6 Half-duration 1.8
 Principal Axes:
 Scale 10**16 Nm
 T Val= 10.25 Plg=73 Azm=341
 N 2.05 9 221
 P -12.30 14 128
 Best Double Couple:Mo=1.1*10**17
 NP1:Strike=206 Dip=32 Slip= 73
 NP2: 46 60 100

08 14 52 31.45 6.032S 146.669E 51km
 5.2mb (23 obs.)
 EAST PAPUA NEW GUINEA REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 24C
 Centroid Location:
 Origin Time 14:52:35.3 0.5
 Lat 6.02S 0.06 Lon 146.80E 0.06
 Dep 32.2 5.0 Half-duration 1.5
 Principal Axes:
 Scale 10**16 Nm
 T Val= 7.07 Plg=72 Azm=119
 N 0.06 18 287
 P -7.12 3 18
 Best Double Couple:Mo=7.1*10**16
 NP1:Strike=126 Dip=45 Slip= 116
 NP2: 272 51 67

09 07 45 02.13 20.252S 176.218W 266km
 6.1mb (80 obs.)
 FIJI ISLANDS REGION
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=232 Dip=66 Slip=-90
 NP2: 52 24 -90
 Principal Axes:
 T Plg=21 Azm=322
 P 69 142
 Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
 RADIATED ENERGY
 No. of sta: 10 Focal mech. F
 Energy 4.2±1.2*10**14 Nm
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 23S, 66C M.W.: 21S, 58C
 Centroid Location:
 Origin Time 07:45:10.9 0.1
 Lat 20.15S 0.01 Lon 175.90W 0.01
 Dep 292.1 0.7 Half-duration 12.0
 Principal Axes:
 Scale 10**19 Nm
 T Val= 2.93 Plg=20 Azm=318
 N 0.32 6 226
 P -3.24 69 121
 Best Double Couple:Mo=3.1*10**19
 NP1:Strike= 58 Dip=25 Slip=-77
 NP2: 223 65 -96

09 20 39 33.83 12.627N 95.110E 24km
 5.0mb (60 obs.) 5.0MsZ (13 obs.)
 ANDAMAN ISLANDS REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 36C
 Centroid Location:
 Origin Time 20:39:36.5 0.4
 Lat 12.70N 0.04 Lon 95.14E 0.05
 Dep 40.6 4.7 Half-duration 2.0
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.78 Plg= 2 Azm=332
 N -0.03 87 116
 P -1.75 2 242
 Best Double Couple:Mo=1.8*10**17
 NP1:Strike= 17 Dip=87 Slip= 180
 NP2: 107 90 3

10 06 39 48.05 52.519N 160.626E 34km
 5.0mb (62 obs.) 4.8MsZ (11 obs.)
 OFF EAST COAST OF KAMCHATKA

CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 15S, 26C
 Centroid Location:
 Origin Time 06:39:49.4 0.7
 Lat 52.39N 0.08 Lon 161.46E 0.15
 Dep 15.0 FIX Half-duration 1.9
 Principal Axes:
 Scale 10**16 Nm
 T Val= 5.88 Plg=64 Azm= 15
 N 0.75 23 226
 P -6.63 12 130
 Best Double Couple:Mo=6.3*10**16
 NP1:Strike=194 Dip=38 Slip= 51
 NP2: 59 61 116

10 17 35 49.48 23.771N 45.368W 10km
 6.1mb (77 obs.) 6.5MsZ (36 obs.)
 NORTH ATLANTIC RIDGE
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=225 Dip=78 Slip= 27
 NP2: 129 64 167
 Principal Axes:
 T Plg=27 Azm= 90
 P 10 355
 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: 11 Focal mech. F
 Energy 1.3±0.3*10**14 Nm
 MOMENT TENSOR SOLUTION
 Dep 5 No. of sta: 13
 Principal Axes:
 Scale 10**18 Nm
 T Val= 5.43 Plg=38 Azm= 79
 N -0.20 50 238
 P -5.23 10 341
 Best Double Couple:Mo=5.3*10**18
 NP1:Strike=113 Dip=56 Slip= 158
 NP2: 215 72 36
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 24S, 63C M.W.: 21S, 43C
 Centroid Location:
 Origin Time 17:35:58.3 0.2
 Lat 23.80N 0.02 Lon 45.29W 0.01
 Dep 15.0 FIX Half-duration 5.6
 Principal Axes:
 Scale 10**18 Nm
 T Val= 3.38 Plg= 9 Azm=237
 N -0.16 80 31
 P -3.22 4 146
 Best Double Couple:Mo=3.3*10**18
 NP1:Strike=281 Dip=81 Slip= 177
 NP2: 12 87 9

11 05 26 31.17 8.403N 103.021W 10km
 5.3mb (30 obs.) 5.8MsZ (10 obs.)
 OFF COAST OF MEXICO
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 21S, 52C
 Centroid Location:
 Origin Time 05:26:35.6 0.4
 Lat 8.49N 0.03 Lon 102.68W 0.03
 Dep 15.0 FIX Half-duration 3.5
 Principal Axes:
 Scale 10**17 Nm
 T Val= 8.68 Plg=13 Azm=209
 N -0.42 76 57
 P -8.26 6 301
 Best Double Couple:Mo=8.5*10**17
 NP1:Strike=346 Dip=76 Slip= 5
 NP2: 255 86 166

11 07 16 34.44 84.401N 108.249E 27km
 5.5mb (85 obs.) 5.3MsZ (18 obs.)
 NORTH OF SEVERNAYA ZEMLYA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 15S, 30C
 Centroid Location:
 Origin Time 07:16:33.0 0.5
 Lat 84.45N 0.06 Lon 107.00E 0.93
 Dep 16.1 4.1 Half-duration 2.1
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.80 Plg=10 Azm=215

N	0.31	25	120	L.P.B.: 19S, 46C	NP1:Strike=130 Dip= 4 Slip= -44
P	-2.11	63	326	Centroid Location:	NP2: 264 87 -93
Best Double Couple:Ma=2.0*10**17				Origin Time 00:45:44.4 1.5	
NP1:Strike=333 Dip=41 Slip= -50				Lat 2.25S 0.12 Lon 78.90W 0.15	
NP2: 105 60 -119				Dep 114.9 7.3 Half-duration 3.9	
Principal Axes:				Scale 10**17 Nm	
T Val= 4.85 Plg=17 Azm= 80				T Val= 7.74 Plg=39 Azm=112	
N 0.91 20 343				N -0.42 6 17	
P -5.76 64 208				P -7.32 50 280	
Best Double Couple:Ma=5.3*10**17				Best Double Couple:Ma=7.5*10**17	
NP1:Strike=197 Dip=33 Slip= -52				NP1:Strike=247 Dip= 8 Slip= -40	
NP2: 334 65 -112				NP2: 17 85 -96	
11 14 32 47.96 18.209S 178.409W 628km				12 03 05 21.30 14.892N 96.327E 10km	13 17 18 45.98 19.950S 175.717W 215km
5.5mb (72 obs.)				5.0mb (45 obs.) 5.2Msz (2 obs.)	5.5mb (72 obs.)
FIJI ISLANDS REGION				ANDAMAN ISLANDS REGION	TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)				CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN				Data Used: GDSN	Data Used: GDSN
L.P.B.: 17S, 29C				L.P.B.: 11S, 19C	L.P.B.: 18S, 39C
Centroid Location:				Centroid Location:	Centroid Location:
Origin Time 14:32:56.1 0.6				Origin Time 03:05:25.4 0.9	Origin Time 17:18:52.1 0.3
Lat 17.92S 0.06 Lon 178.47W 0.04				Lat 14.96N 0.10 Lon 95.85E 0.16	Lat 19.72S 0.03 Lon 175.61W 0.04
Dep 663.7 3.3 Half-duration 2.8				Dep 15.0 FIX Half-duration 1.5	Dep 205.0 1.4 Half-duration 3.3
Principal Axes:				Principal Axes:	Principal Axes:
Scale 10**17 Nm				Scale 10**17 Nm	Scale 10**17 Nm
T Val= 2.02 Plg=19 Azm=116				T Val= 7.09 Plg= 2 Azm=325	T Val= 1.85 Plg=30 Azm=141
N 0.61 13 21				N -0.92 78 223	N -0.19 41 20
P -2.63 66 259				P -6.17 12 55	P -1.66 34 254
Best Double Couple:Ma=2.3*10**17				Best Double Couple:Ma=6.6*10**16	Best Double Couple:Ma=1.8*10**17
NP1:Strike=228 Dip=28 Slip= -61				NP1:Strike= 99 Dip=80 Slip= -7	NP1:Strike=286 Dip=42 Slip= -3
NP2: 15 66 -105				NP2: 191 84 -170	NP2: 19 88 -131
11 18 55 56.48 5.355S 102.561E 28km				12 03 47 32.61 8.007N 126.201E 148km	14 20 06 50.25 20.070S 175.986W 225km
5.3mb (23 obs.) 4.9Msz (10 obs.)				5.2mb (41 obs.)	5.2mb (33 obs.)
SOUTHERN SUMATERA				MINDANAO, PHILIPPINE ISLANDS	TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)				CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN				Data Used: GDSN	Data Used: GDSN
L.P.B.: 12S, 20C				L.P.B.: 16S, 27C	L.P.B.: 19S, 38C
Centroid Location:				Centroid Location:	Centroid Location:
Origin Time 18:56: 5.8 1.1				Origin Time 03:47:35.4 1.1	Origin Time 20:06:55.4 0.7
Lat 5.78S 0.08 Lon 103.27E 0.14				Lat 8.39N 0.11 Lon 125.94E 0.10	Lat 19.91S 0.08 Lon 175.80W 0.06
Dep 36.9 6.6 Half-duration 1.5				Dep 130.9 5.9 Half-duration 1.8	Dep 219.2 2.8 Half-duration 2.4
Principal Axes:				Principal Axes:	Principal Axes:
Scale 10**16 Nm				Scale 10**16 Nm	Scale 10**17 Nm
T Val= 4.96 Plg=57 Azm= 69				T Val= 9.04 Plg=19 Azm=297	T Val= 1.85 Plg=30 Azm=141
N 2.44 28 283				N 1.79 23 35	N -0.19 41 20
P -7.40 16 185				P -10.83 59 171	P -1.66 34 254
Best Double Couple:Ma=6.2*10**16				Best Double Couple:Ma=9.9*10**16	Best Double Couple:Ma=1.8*10**17
NP1:Strike=241 Dip=38 Slip= 41				NP1:Strike=354 Dip=33 Slip= -137	NP1:Strike=286 Dip=42 Slip= -3
NP2: 117 66 121				NP2: 225 68 -65	NP2: 19 88 -131
11 21 40 53.20 4.924S 133.803E 23km				12 20 11 35.07 42.789N 143.329E 109km	15 00 59 20.31 42.461N 44.009E 9km
5.2mb (12 obs.) 4.6Msz (9 obs.)				5.7mb (107 obs.)	6.1mb (106 obs.) 6.1Msz (22 obs.)
WEST IRIAN REGION				HOKKAIDO, JAPAN REGION	WESTERN CAUCASUS
CENTROID, MOMENT TENSOR (HRV)				FAULT PLANE SOLUTION: P-Waves	FAULT PLANE SOLUTION: P-Waves
Data Used: GDSN				NP1:Strike=262 Dip=87 Slip= -109	NP1:Strike=145 Dip=60 Slip= 90
L.P.B.: 12S, 23C				NP2: 163 19 -9	NP2: 325 30 90
Centroid Location:				Principal Axes:	Principal Axes:
Origin Time 21:40:54.9 0.7				T Plg=39 Azm= 9	T Plg=75 Azm= 55
Lat 4.78S 0.06 Lon 133.53E 0.10				P 45 153	P 15 235
Dep 34.2 8.5 Half-duration 1.6				Comment: The focal mechanism is	Comment: The focal mechanism is
Principal Axes:				poorly controlled and	poorly controlled and
Scale 10**16 Nm				corresponds to normal faulting	corresponds to reverse
T Val= 8.33 Plg=14 Azm=284				with a moderate strike-slip	faulting. The preferred fault
N 0.31 75 85				component. The preferred fault	plane is NP2.
P -8.64 5 192				plane is not determined.	
Best Double Couple:Ma=8.5*10**16				RADIATED ENERGY	RADIATED ENERGY
NP1:Strike=327 Dip=77 Slip= 173				No. of sta: 9 Focal mech. F	No. of sta: 12 Focal mech. F
NP2: 59 83 13				Energy 2.3±0.8*10**13 Nm	Energy 2.0±0.4*10**13 Nm
12 00 45 40.08 2.285S 78.884W 94km				MOMENT TENSOR SOLUTION	MOMENT TENSOR SOLUTION
5.7mb (86 obs.)				Dep 112 No. of sta: 14	Dep 21 No. of sta: 15
ECUADOR				Principal Axes:	Principal Axes:
FAULT PLANE SOLUTION: P-Waves				Scale 10**18 Nm	Scale 10**18 Nm
NP1:Strike=320 Dip=73 Slip= -72				T Val= 1.51 Plg=84 Azm=263	T Val= 2.89 Plg=56 Azm=341
NP2: 92 25 -135				N -0.01 2 154	N 0.09 33 173
Principal Axes:				P -1.50 6 64	P -2.98 5 79
T Plg=26 Azm= 36				Best Double Couple:Ma=1.5*10**18	Best Double Couple:Ma=2.9*10**18
P 58 254				NP1:Strike=152 Dip=39 Slip= 87	NP1:Strike=138 Dip=49 Slip= 44
Comment: The focal mechanism is				NP2: 336 51 93	NP2: 16 58 130
moderately well controlled and				CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)
corresponds to normal faulting				Data Used: GDSN	Data Used: GDSN
with a moderate left-lateral				L.P.B.: 19S, 42C	L.P.B.: 19S, 42C
strike-slip component. The				Centroid Location:	Centroid Location:
preferred fault plane is NP1.				Origin Time 00:59:18.3 0.5	Origin Time 00:59:18.3 0.5
RADIATED ENERGY				Lat 42.58N 0.06 Lon 43.07E 0.06	Lat 42.58N 0.06 Lon 43.07E 0.06
No. of sta: 6 Focal mech. F				Dep 15.0 BDY Half-duration 5.1	Dep 15.0 BDY Half-duration 5.1
Energy 2.7±0.3*10**12 Nm				Principal Axes:	Principal Axes:
MOMENT TENSOR SOLUTION				Scale 10**18 Nm	Scale 10**18 Nm
Dep 80 No. of sta: 9				T Val= 2.89 Plg=56 Azm=341	T Val= 2.89 Plg=56 Azm=341
Principal Axes:				N 0.09 33 173	N 0.09 33 173
Scale 10**17 Nm				P -2.98 5 79	P -2.98 5 79
T Val= 5.10 Plg=26 Azm= 35				Best Double Couple:Ma=2.9*10**18	Best Double Couple:Ma=2.9*10**18
N 0.04 12 131				NP1:Strike=138 Dip=49 Slip= 44	NP1:Strike=138 Dip=49 Slip= 44
P -5.14 61 243				NP2: 16 58 130	NP2: 16 58 130
Best Double Couple:Ma=5.1*10**17				15 01 13 21.46 58.285S 24.183W 52km	15 01 13 21.46 58.285S 24.183W 52km
NP1:Strike=100 Dip=22 Slip= -123				5.8mb (28 obs.)	5.8mb (28 obs.)
NP2: 315 72 -78				SOUTH SANDWICH ISLANDS REGION	SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)				FAULT PLANE SOLUTION: P-Waves	FAULT PLANE SOLUTION: P-Waves
Data Used: GDSN				NP1:Strike= 25 Dip=80 Slip= 90	NP1:Strike= 25 Dip=80 Slip= 90
				NP2: 205 10 90	NP2: 205 10 90
				Principal Axes:	Principal Axes:
				T Plg=55 Azm=295	T Plg=55 Azm=295
				P 35 115	P 35 115

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

MOMENT TENSOR SOLUTION

Dep 9 No. of sta: 4
Principal Axes:

Scale 10^{+18} Nm

T Val= 2.74 Plg=51 Azm=294
N -0.04 10 36
P -2.70 38 133

Best Double Couple: Mo=2.7* 10^{+18}

NP1: Strike=270 Dip=12 Slip= 145

NP2: 35 83 80

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 25S, 65C M.W.: 16S, 34C

Centroid Location:

Origin Time 01:13:23.6 0.2

Lat 58.63S 0.02 Lon 23.58W 0.04

Dep 16.9 2.1 Half-duration 8.6

Principal Axes:

Scale 10^{+18} Nm

T Val= 9.15 Plg=35 Azm=272
N -2.89 51 122
P -6.25 15 12

Best Double Couple: Mo=7.7* 10^{+18}

NP1: Strike= 58 Dip=54 Slip= 16

NP2: 318 77 143

15 10 41 14.24 15.316N 120.522E 10km

5.5mb (67 obs.) 5.4Msz (18 obs.)

LUZON, PHILIPPINE ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 13S, 25C

Centroid Location:

Origin Time 10:41:16.6 0.4

Lat 15.42N 0.04 Lon 120.83E 0.07

Dep 34.0 4.9 Half-duration 2.6

Principal Axes:

Scale 10^{+17} Nm

T Val= 4.03 Plg=10 Azm=183
N -0.07 64 294
P -3.97 23 89

Best Double Couple: Mo=4.0* 10^{+17}

NP1: Strike=228 Dip=66 Slip=-170

NP2: 134 81 -24

15 11 15 28.01 15.119N 120.355E 10km

5.7mb (63 obs.) 5.5Msz (9 obs.)

LUZON, PHILIPPINE ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 14S, 25C

Centroid Location:

Origin Time 11:15:28.3 0.5

Lat 15.36N 0.03 Lon 120.12E 0.12

Dep 15.0 FIX Half-duration 2.7

Principal Axes:

Scale 10^{+17} Nm

T Val= 3.18 Plg= 0 Azm=189
N -0.86 90 180
P -2.32 0 99

Best Double Couple: Mo=2.8* 10^{+17}

NP1: Strike=234 Dip=90 Slip=-180

NP2: 324 90 0

15 20 23 21.96 0.535N 25.452W 10km

5.4mb (60 obs.) 5.1Msz (11 obs.)

CENTRAL MID-ATLANTIC RIDGE

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 20S, 38C

Centroid Location:

Origin Time 20:23:31.2 0.3

Lat 0.84N 0.03 Lon 25.37W 0.03

Dep 15.0 FIX Half-duration 2.7

Principal Axes:

Scale 10^{+17} Nm

T Val= 4.14 Plg= 5 Azm= 37
N -1.13 79 281
P -3.01 10 128

Best Double Couple: Mo=3.6* 10^{+17}

NP1: Strike=172 Dip=79 Slip= -4

NP2: 263 86 -169

15 23 02 14.37 10.098N 125.855E 71km

6.0mb (111 obs.)

LEYTE, PHILIPPINE ISLANDS

FAULT PLANE SOLUTION: P-Waves

NP1: Strike= 45 Dip=60 Slip= 90

NP2: 225 30 90

Principal Axes:

T Plg=75 Azm=315

P 15 135

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

RADIATED ENERGY

No. of sta: 4 Focal mech. M

Energy $1.3 \pm 0.4 \times 10^{+13}$ Nm

MOMENT TENSOR SOLUTION

Dep 34 No. of sta: 9

Principal Axes:

Scale 10^{+18} Nm

T Val= 2.23 Plg=72 Azm=314
N 0.01 5 210
P -2.24 17 118

Best Double Couple: Mo=2.2* 10^{+18}

NP1: Strike=201 Dip=28 Slip= 80

NP2: 32 62 95

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 23S, 47C

Centroid Location:

Origin Time 23:02:14.2 0.3

Lat 10.10N 0.03 Lon 126.55E 0.03

Dep 35.0 BDY Half-duration 4.1

Principal Axes:

Scale 10^{+18} Nm

T Val= 1.56 Plg=81 Azm=270
N 0.00 0 2
P -1.56 9 92

Best Double Couple: Mo=1.6* 10^{+18}

NP1: Strike=182 Dip=36 Slip= 91

NP2: 2 54 90

16 02 07 41.02 15.198N 120.332E 10km

5.7mb (67 obs.) 5.2Msz (17 obs.)

LUZON, PHILIPPINE ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 14S, 23C

Centroid Location:

Origin Time 02:07:48.7 0.8

Lat 15.20N FIX; Lon 120.45E FIX

Dep 15.0 FIX Half-duration 2.0

Principal Axes:

Scale 10^{+17} Nm

T Val= 1.63 Plg=52 Azm=229
N -0.01 17 342
P -1.62 33 83

Best Double Couple: Mo=1.6* 10^{+17}

NP1: Strike=220 Dip=20 Slip= 149

NP2: 339 80 73

18 11 33 18.32 0.130N 149.285E 38km

5.7mb (64 obs.) 5.3Msz (20 obs.)

CAROLINE ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 22S, 54C

Centroid Location:

Origin Time 11:33:24.0 0.2

Lat 0.69N 0.03 Lon 149.48E 0.03

Dep 15.0 FIX Half-duration 3.2

Principal Axes:

Scale 10^{+17} Nm

T Val= 8.20 Plg=12 Azm=292
N -2.94 49 36
P -5.26 39 192

Best Double Couple: Mo=6.7* 10^{+17}

NP1: Strike=340 Dip=54 Slip=-158

NP2: 236 73 -38

19 16 25 55.16 2.399S 134.406E 20km

5.4mb (25 obs.)

WEST IRIAN REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 15S, 28C

Centroid Location:

Origin Time 16:25:57.3 1.0

Lat 2.54S 0.16 Lon 134.16E 0.10

Dep 17.7 5.8 Half-duration 3.0

Principal Axes:

Scale 10^{+16} Nm

T Val= 7.25 Plg= 8 Azm=296
N -0.73 12 27
P -6.52 75 173

Best Double Couple: Mo=6.9* 10^{+16}

NP1: Strike= 12 Dip=38 Slip=-110

NP2: 216 54 -75

19 20 14 17.69 58.198S 24.837W 33km

5.3mb (10 obs.) 5.4Msz (16 obs.)

SOUTH SANDWICH ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 23S, 46C

Centroid Location:

Origin Time 20:14:24.9 0.2

Lat 58.19S 0.05 Lon 24.69W 0.07

Dep 15.0 FIX Half-duration 3.1

Principal Axes:

Scale 10^{+17} Nm

T Val= 6.12 Plg=55 Azm=301
N 0.68 9 197
P -6.80 33 101

Best Double Couple: Mo=6.5* 10^{+17}

NP1: Strike=159 Dip=14 Slip= 51

NP2: 19 79 99

20 01 10 40.02 19.708S 177.792W 432km

5.0mb (23 obs.)

FIJI ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 14S, 26C

Centroid Location:

Origin Time 01:10:50.4 0.8

Lat 19.33S 0.08 Lon 177.93W 0.04

Dep 452.9 2.2 Half-duration 2.2

Principal Axes:

Scale 10^{+17} Nm

T Val= 2.21 Plg=58 Azm=171
N 0.21 4 75
P -2.42 32 342

Best Double Couple: Mo=2.3* 10^{+17}

NP1: Strike= 59 Dip=14 Slip= 73

NP2: 256 77 94

20 03 21 46.82 58.193S 24.816W 33km

5.1mb (10 obs.) 5.1Msz (5 obs.)

SOUTH SANDWICH ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 11S, 17C

Centroid Location:

Origin Time 03:21:51.2 0.9

Lat 58.18S 0.12 Lon 25.63W 0.22

Dep 15.0 FIX Half-duration 1.8

Principal Axes:

Scale 10^{+16} Nm

T Val= 13.77 Plg=60 Azm=230
N 0.93 2 323
P -14.70 30 54

Best Double Couple: Mo=1.4* 10^{+17}

NP1: Strike=149 Dip=15 Slip= 96

NP2: 322 75 88

20 05 18 52.51 1.196N 122.787E 31km

6.2mb (84 obs.) 7.0Msz (31 obs.)

MINAHASSA PENINSULA

FAULT PLANE SOLUTION: P-Waves

NP1: Strike=275 Dip=75 Slip= 90

NP2: 95 15 90

Principal Axes:

T Plg=60 Azm=185

P 30 5

Comment: The focal mechanism is

poorly controlled and

corresponds to reverse

faulting. The preferred fault

plane is NP2.

RADIATED ENERGY

No. of sta: 9 Focal mech. M

Energy $3.0 \pm 0.5 \times 10^{+14}$ Nm

MOMENT TENSOR SOLUTION

Dep 32 No. of sta: 10

Principal Axes:

Scale 10^{+20} Nm

T Val= 1.65 Plg=60 Azm=189
N -0.14 0 98
P -1.51 30 8

Best Double Couple: Mo=1.6* 10^{+20}

NP1: Strike= 96 Dip=15 Slip= 88

NP2: 278 75 90

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 25S, 73C M.W.: 20S, 55C

Centroid Location:

Origin Time 05:19: 0.7 0.2

Lat 1.04N 0.01 Lon 123.23E 0.01

Dep 15.0 FIX Half-duration 17.7

Principal Axes:
Scale 10**20 Nm
T Val= 2.30 Plg=52 Azm=185
N 0.01 2 276
P -2.32 38 8
Best Double Couple:Mo=2.3*10**20
NP1:Strike=109 Dip=7 Slip= 102
NP2: 276 83 88

21 06 08 59.77 2.442N 126.829E 66km
5.3mb (36 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 06:09:2.2 0.8
Lat 2.74N 0.13 Lon 126.64E 0.17
Dep 38.5 6.1 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.10 Plg=75 Azm= 84
N 0.52 6 198
P -1.62 14 289
Best Double Couple:Mo=1.4*10**17
NP1:Strike= 28 Dip=32 Slip= 102
NP2: 194 59 83

21 06 27 39.97 13.399N 89.618W 77km
5.3mb (81 obs.)
EL SALVADOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 56C
Centroid Location:
Origin Time 06:27:40.0 0.4
Lat 13.03N 0.03 Lon 90.21W 0.03
Dep 44.1 2.3 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 5.88 Plg=86 Azm= 0
N 0.80 2 121
P -6.68 4 211
Best Double Couple:Mo=6.3*10**17
NP1:Strike=304 Dip=41 Slip= 93
NP2: 119 49 87

21 06 45 36.62 6.001S 104.872E 53km
5.6mb (48 obs.)
SUNDA STRAIT
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 44C
Centroid Location:
Origin Time 06:45:40.1 0.7
Lat 6.80S 0.06 Lon 104.31E 0.13
Dep 38.7 6.2 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.35 Plg=86 Azm= 51
N 0.23 3 265
P -1.58 2 175
Best Double Couple:Mo=1.5*10**17
NP1:Strike=262 Dip=43 Slip= 85
NP2: 88 47 94

21 12 14 16.66 1.277N 122.819E 27km
5.2mb (28 obs.) 4.6Msz (9 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 45C
Centroid Location:
Origin Time 12:14:18.6 0.4
Lat 1.56N 0.04 Lon 122.74E 0.04
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.73 Plg=39 Azm=283
N -0.15 51 103
P -1.57 0 193
Best Double Couple:Mo=1.6*10**17
NP1:Strike=321 Dip=63 Slip= 150
NP2: 65 64 30

21 16 17 29.95 1.093N 123.045E 30km
5.5mb (44 obs.) 4.7Msz (11 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 47C
Centroid Location:
Origin Time 16:17:32.9 0.3

Lat 1.40N 0.03 Lon 123.22E 0.04
Dep 50.4 3.6 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.33 Plg=66 Azm=228
N 0.10 16 97
P -1.43 17 2
Best Double Couple:Mo=1.4*10**17
NP1:Strike= 69 Dip=31 Slip= 58
NP2: 285 64 108

22 00 30 26.48 23.915N 108.549W 10km
5.5mb (63 obs.) 6.1Msz (25 obs.)
GULF OF CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 43C
Centroid Location:
Origin Time 00:30:30.1 0.2
Lat 23.64N 0.02 Lon 108.45W 0.02
Dep 15.0 FIX Half-duration 4.7
Principal Axes:
Scale 10**18 Nm
T Val= 2.04 Plg=13 Azm=261
N -0.10 77 89
P -1.95 2 351
Best Double Couple:Mo=2.0*10**18
NP1:Strike= 37 Dip=80 Slip= 8
NP2: 305 82 170

23 10 44 02.31 39.481N 29.862W 10km
5.1mb (72 obs.) 4.5Msz (8 obs.)
AZORES ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 10:44:5.1 0.7
Lat 39.57N FIX:Lon 29.92W FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 8.35 Plg= 0 Azm=102
N -2.70 90 180
P -5.66 0 12
Best Double Couple:Mo=7.0*10**16
NP1:Strike=147 Dip=90 Slip=-180
NP2: 237 90 0

23 21 22 28.94 26.802S 63.349W 558km
6.4mb (67 obs.)
SANTIAGO DEL ESTERO PROV., ARG.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=163 Dip=81 Slip=-130
NP2: 62 41 -14
Principal Axes:
T Plg=25 Azm=283
P 40 36
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a small strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 1.4±0.4*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 559 No. of sta: 11
Principal Axes:
Scale 10**19 Nm
T Val= 5.39 Plg=27 Azm=255
N 0.00 15 157
P -5.39 58 41
Best Double Couple:Mo=5.4*10**19
NP1:Strike= 19 Dip=22 Slip= -46
NP2: 153 74 -106
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 80C M.W.: 22S, 56C
Centroid Location:
Origin Time 21:22:43.4 0.1
Lat 27.23S 0.01 Lon 63.25W 0.01
Dep 570.3 0.8 Half-duration 15.7
Principal Axes:
Scale 10**19 Nm
T Val= 8.59 Plg=22 Azm=262
N 0.10 13 167
P -8.69 65 49
Best Double Couple:Mo=8.6*10**19
NP1:Strike= 15 Dip=26 Slip= -60
NP2: 162 68 -104

24 04 59 04.30 58.318N 137.008W 10km
5.6mb (87 obs.) 5.5Msz (24 obs.)
SOUTHEASTERN ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 39C
Centroid Location:
Origin Time 04:59:10.5 0.7
Lat 58.97N 0.14 Lon 136.99W 0.19
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.34 Plg= 4 Azm=290
N -0.65 75 33
P -2.69 15 199
Best Double Couple:Mo=3.0*10**17
NP1:Strike=335 Dip=77 Slip=-172
NP2: 244 82 -13

25 03 49 18.49 36.602N 140.883E 62km
5.0mb (58 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 15C
Centroid Location:
Origin Time 03:49:20.8 0.6
Lat 36.91N 0.07 Lon 140.53E 0.06
Dep 74.0 6.9 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 0.98 Plg=71 Azm=262
N 0.45 6 9
P -1.43 19 100
Best Double Couple:Mo=1.2*10**17
NP1:Strike=200 Dip=27 Slip= 103
NP2: 6 64 84

25 23 06 57.21 5.244N 72.912W 14km
5.1mb (52 obs.) 4.8Msz (10 obs.)
COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 23C
Centroid Location:
Origin Time 23:07:11.7 2.1
Lat 5.76N 0.15 Lon 72.90W 0.20
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 7.35 Plg= 0 Azm=182
N 0.64 90 180
P -7.99 0 92
Best Double Couple:Mo=7.7*10**16
NP1:Strike=227 Dip=90 Slip=-180
NP2: 317 90 0

26 11 43 35.75 38.435N 21.098E 40km
5.0mb (53 obs.) 5.1Msz (1 obs.)
GREECE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 29C
Centroid Location:
Origin Time 11:43:44.4 0.7
Lat 38.42N FIX:Lon 21.17E FIX
Dep 31.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 10.82 Plg= 1 Azm= 22
N -1.49 7 112
P -9.34 83 285
Best Double Couple:Mo=1.0*10**17
NP1:Strike=105 Dip=45 Slip=-100
NP2: 299 46 -81

26 23 07 06.28 0.079S 123.558E 114km
5.5mb (40 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 23:07:7.3 0.4
Lat 0.02S 0.03 Lon 123.74E 0.04
Dep 81.3 3.3 Half-duration 9.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.27 Plg=80 Azm=319
N 0.13 1 225
P -1.40 10 135
Best Double Couple:Mo=1.3*10**17
NP1:Strike=224 Dip=35 Slip= 89

NP2: 45 55 91
 27 19 42 41.19 24.361N 108.233W 10km
 5.5mb (57 obs.) 5.6MsZ (16 obs.)
 GULF OF CALIFORNIA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 13S, 23C
 Centroid Location:
 Origin Time 19:42:40.8 0.5
 Lat 23.85N FIX; Lon 108.43W FIX
 Dep 15.0 FIX Half-duration 2.6
 Principal Axes:
 Scale 10^{+17} Nm
 T Vol= 2.45 Plg= 0 Azm=238
 N -0.39 90 180
 P -2.06 0 148
 Best Double Couple: Mo=2.3* 10^{+17}
 NP1: Strike=283 Dip=90 Slip=-180
 NP2: 13 90 0

28 14 43 54.50 34.262N 118.002W 11km
 5.8mb (70 obs.) 5.1MsZ (15 obs.)
 SOUTHERN CALIFORNIA
 FAULT PLANE SOLUTION: P-Waves
 NP1: Strike=201 Dip=60 Slip= 33
 NP2: 93 62 145
 Principal Axes:
 T Plg=43 Azm= 56
 P 1 147
 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: 7 Focal mech. F
 Energy $1.0 \pm 0.3 \cdot 10^{+13}$ Nm
 CENTROID, MOMENT TENSOR (HRV)

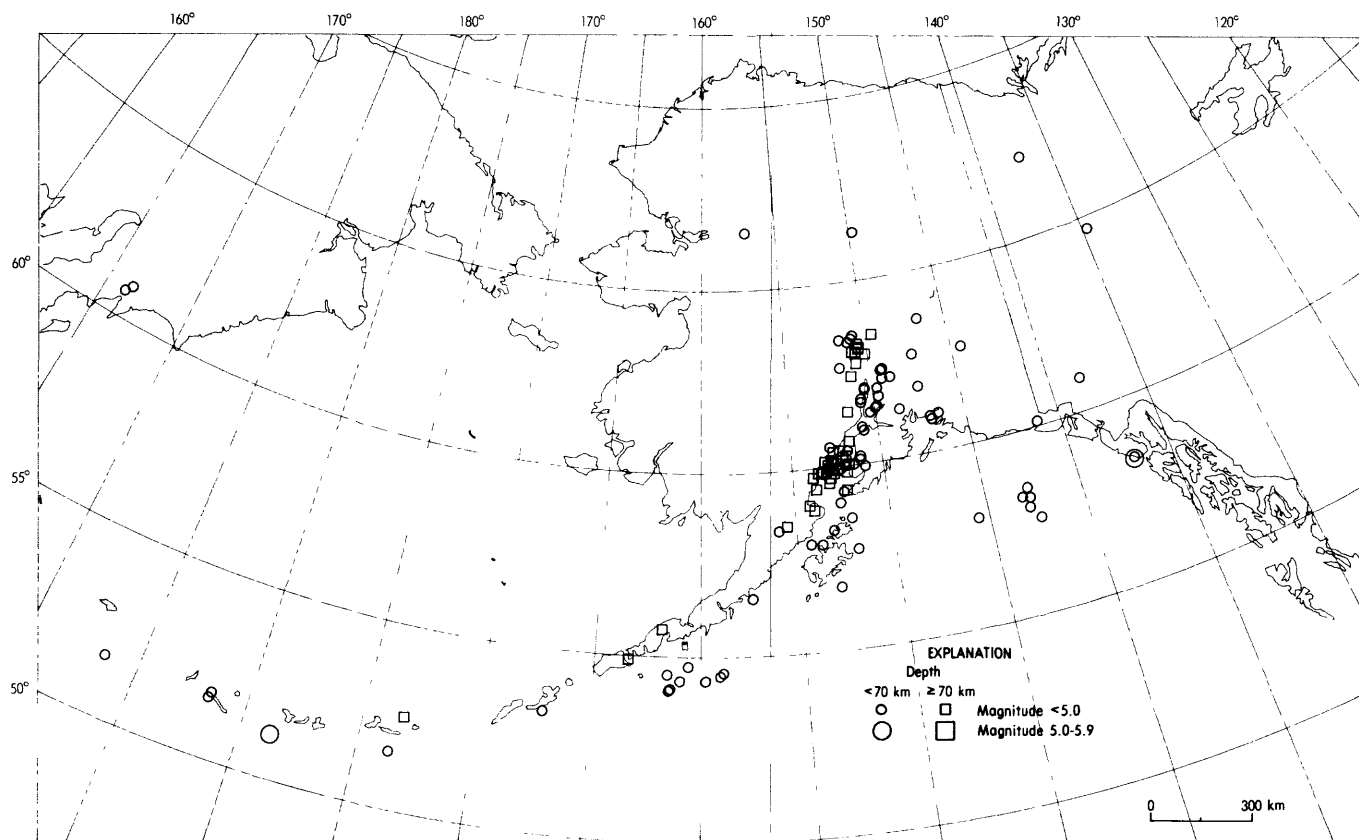
Data Used: GDSN
 L.P.B.: 15S, 33C
 Centroid Location:
 Origin Time 14:44: 0.0 0.5
 Lat 34.26N FIX; Lon 118.00W FIX
 Dep 20.9 3.2 Half-duration 2.6
 Principal Axes:
 Scale 10^{+17} Nm
 T Vol= 3.61 Plg=62 Azm= 81
 N -0.12 27 241
 P -3.49 8 335
 Best Double Couple: Mo=3.5* 10^{+17}
 NP1: Strike= 93 Dip=43 Slip= 130
 NP2: 223 58 58

30 01 44 12.87 21.621S 114.234W 10km
 5.3mb (19 obs.) 5.0MsZ (6 obs.)
 EASTER ISLAND CORDILLERA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 25S, 42C
 Centroid Location:

Origin Time 01:44:17.6 0.8
 Lat 21.93S 0.07 Lon 113.99W 0.06
 Dep 15.0 FIX Half-duration 2.3
 Principal Axes:
 Scale 10^{+17} Nm
 T Vol= 2.15 Plg=11 Azm=298
 N -0.37 78 138
 P -1.78 4 29
 Best Double Couple: Mo=2.0* 10^{+17}
 NP1: Strike= 74 Dip=79 Slip= 5
 NP2: 343 85 169

30 03 08 14.27 14.371S 13.562W 10km
 5.3mb (61 obs.) 5.5MsZ (19 obs.)
 SOUTH ATLANTIC RIDGE
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 22S, 45C
 Centroid Location:
 Origin Time 03:08:20.6 0.4
 Lat 14.51S 0.05 Lon 13.71W 0.02
 Dep 15.0 FIX Half-duration 2.8
 Principal Axes:
 Scale 10^{+17} Nm
 T Vol= 3.50 Plg= 0 Azm=257
 N 0.24 0 167
 P -3.74 90 180
 Best Double Couple: Mo=3.6* 10^{+17}
 NP1: Strike=347 Dip=45 Slip= -90
 NP2: 167 45 -90

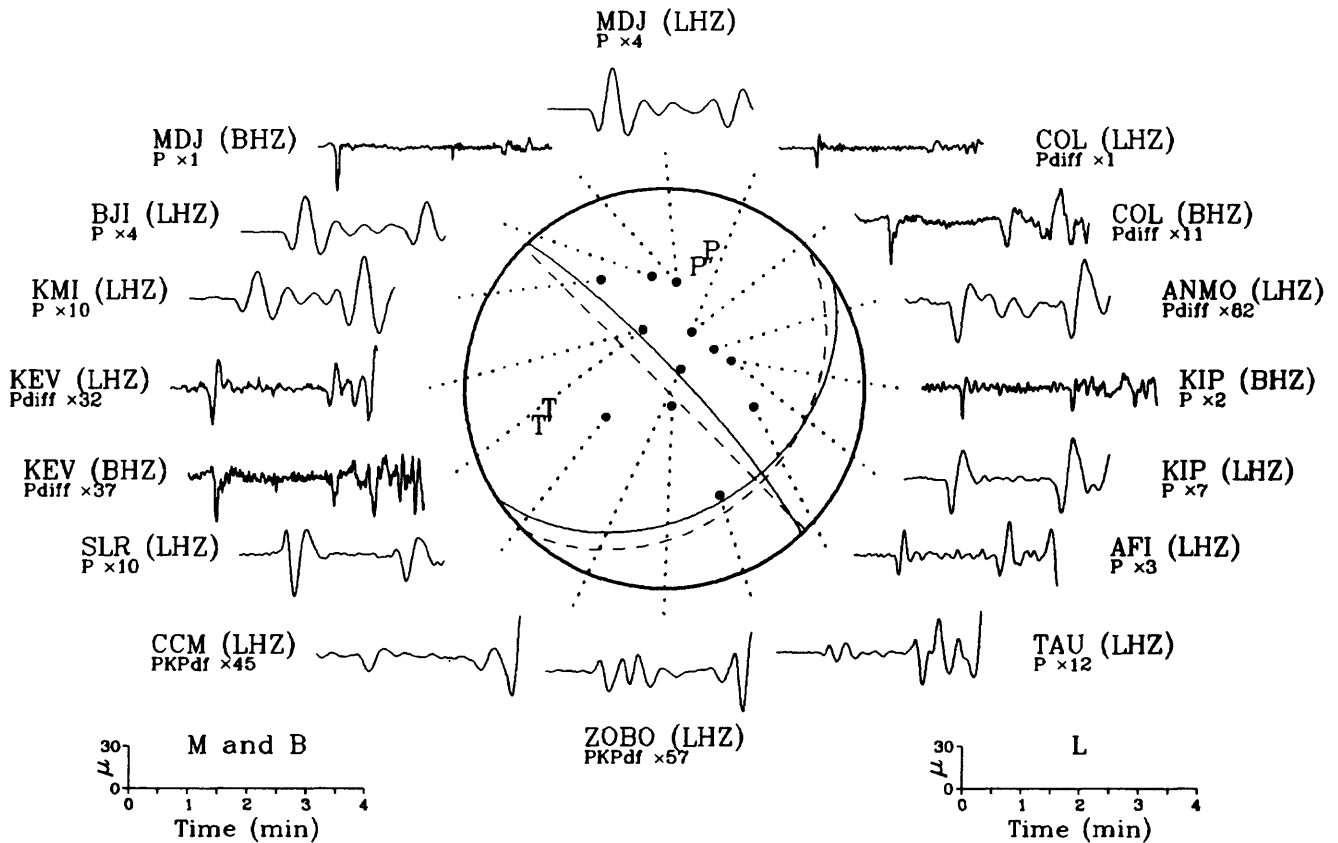
Compiled by Pingsheng Chang, Willis S. Jacobs, Christina K. Lovonne, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrove and William H. Schmieder.



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

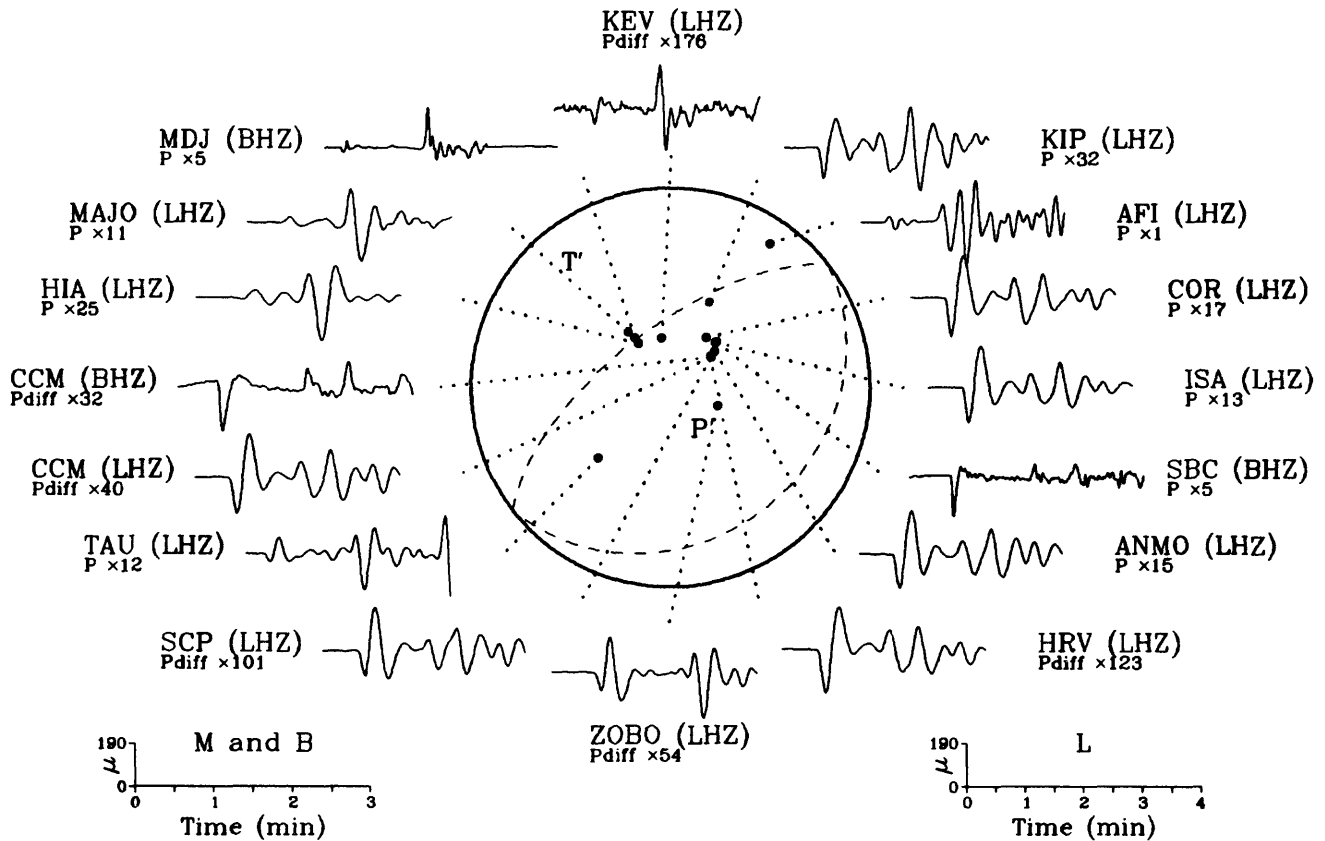
07 June 1991 11:51:25.97

Flores Sea



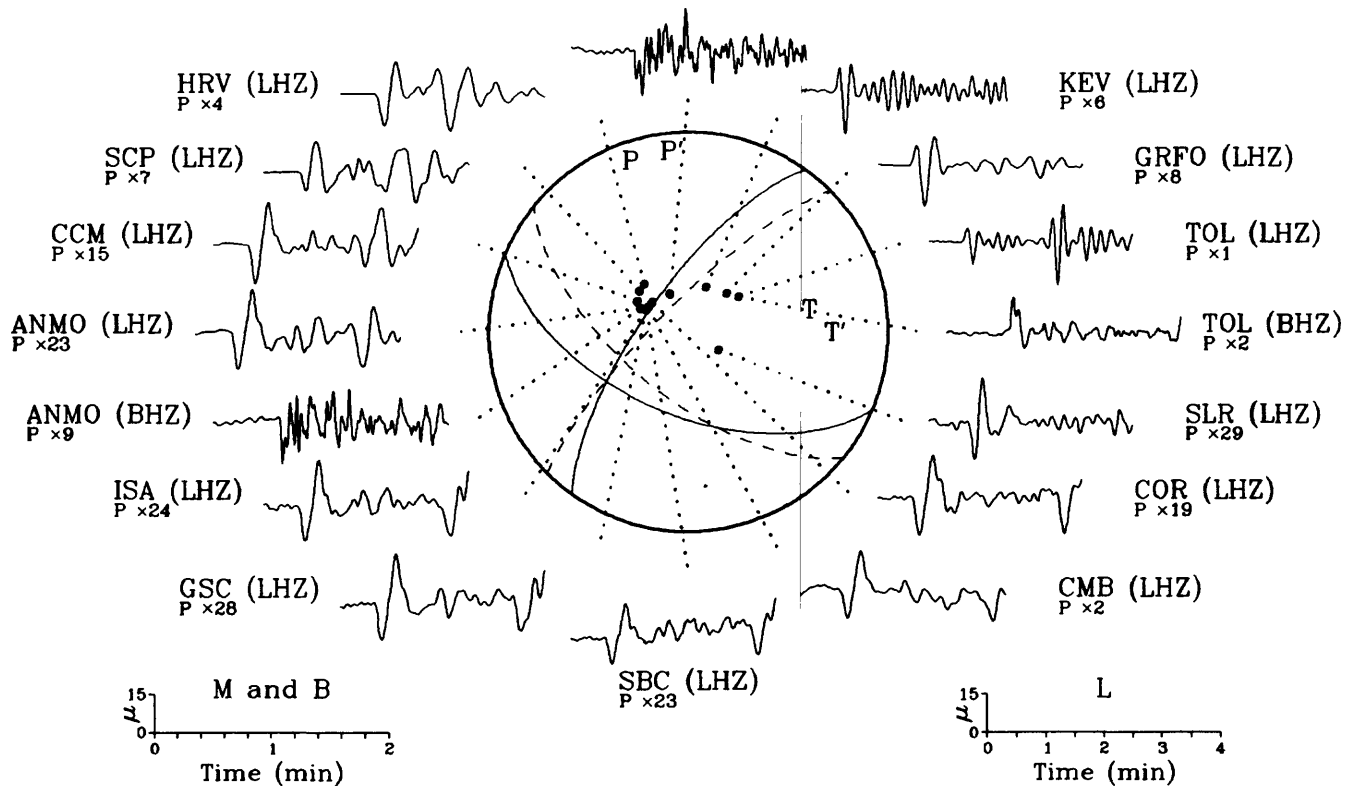
09 June 1991 07:45:02.13

Fiji Islands Region



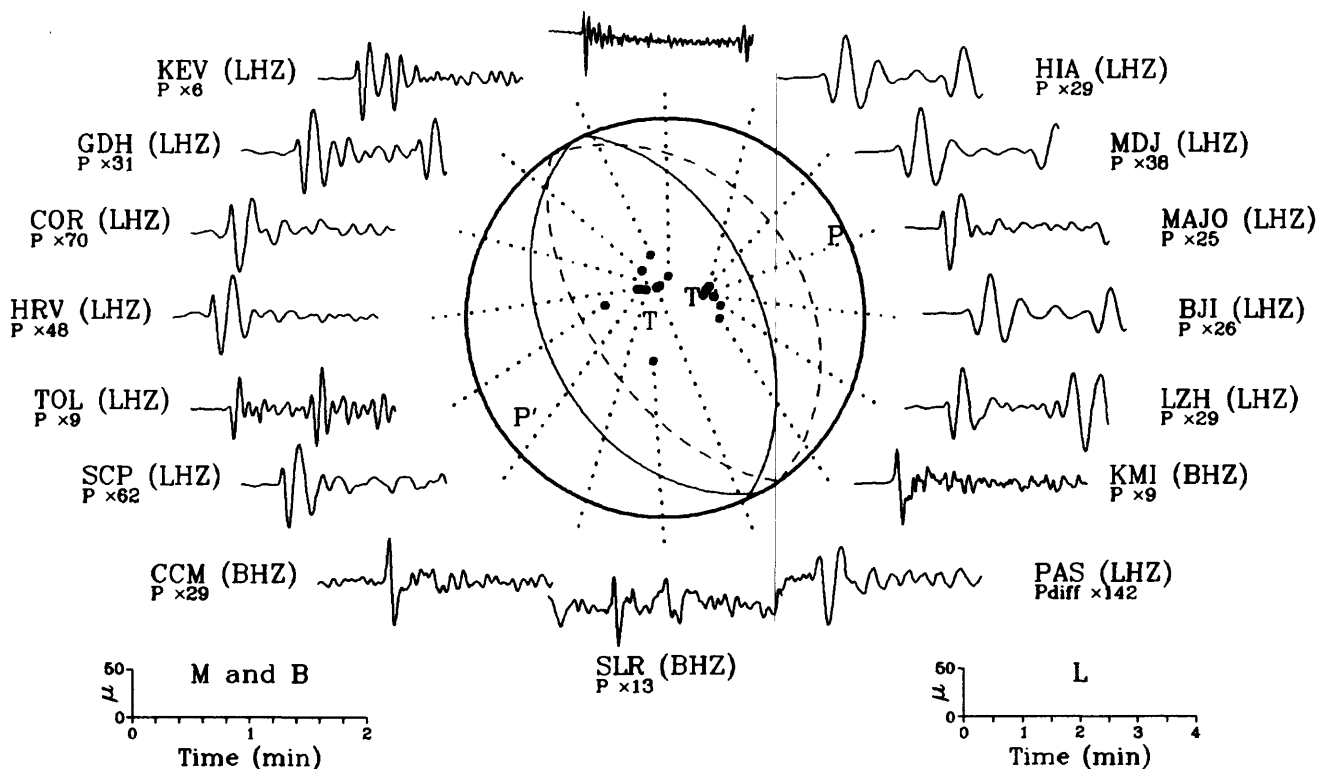
10 June 1991 17:35:49.48
North Atlantic Ridge

COL (BHZ)
P $\times 10$



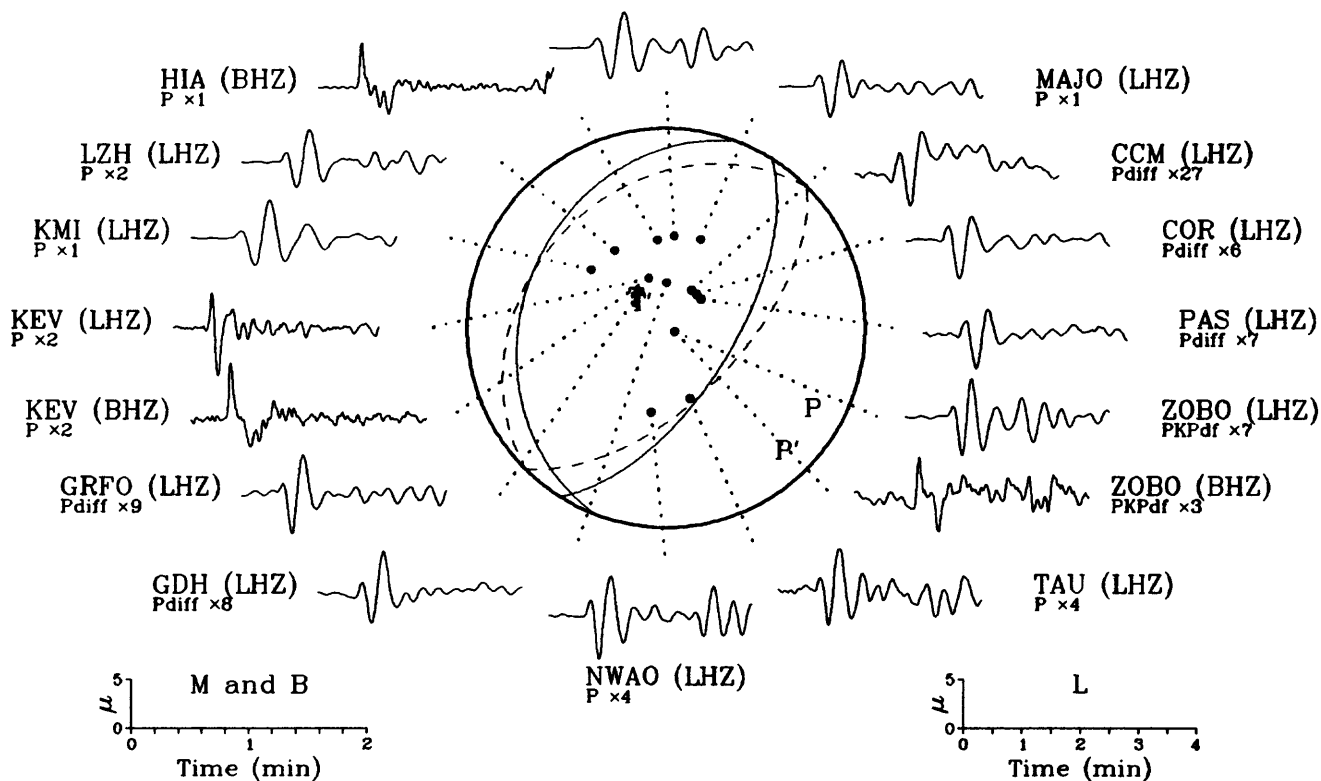
15 June 1991 00:59:20.31
Western Caucasus

COL (LHZ)
P $\times 1$



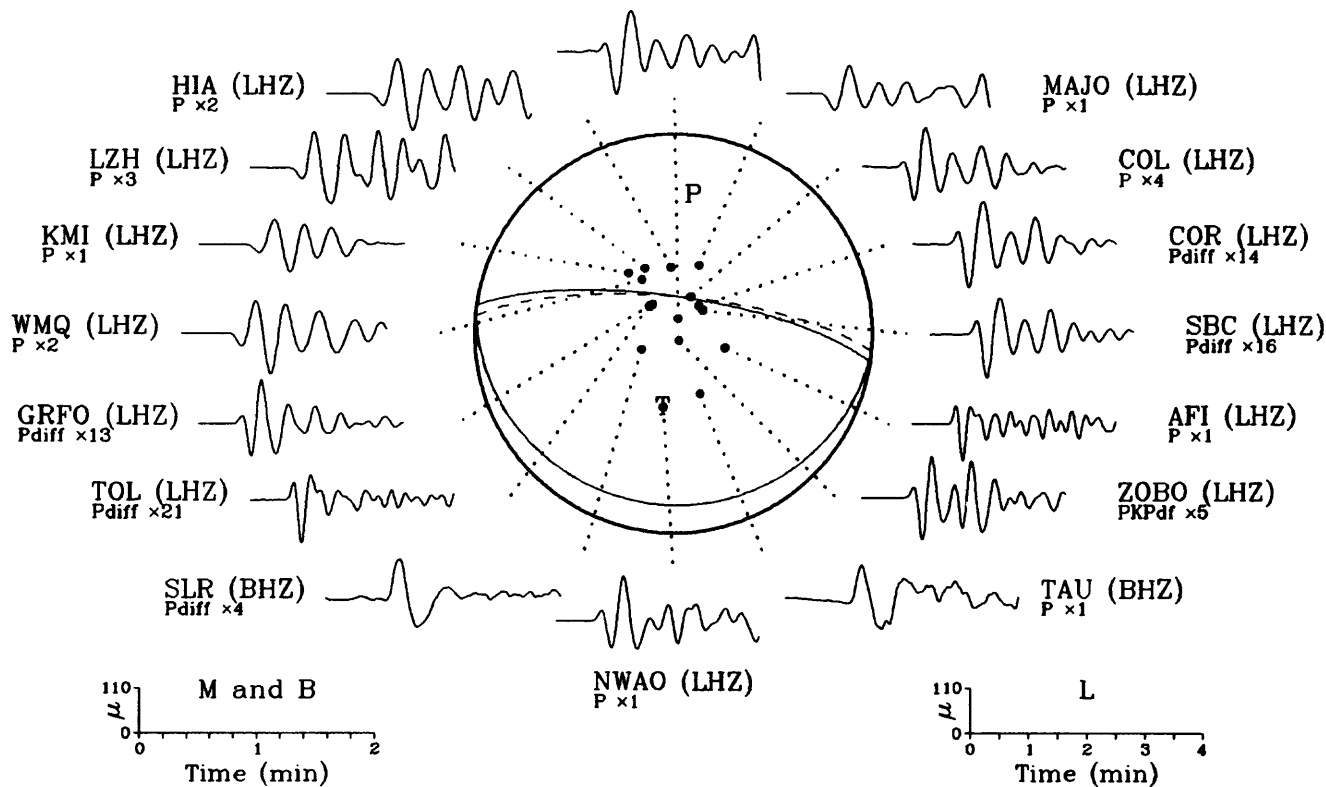
15 June 1991 23:02:14.37
Leyte, Philippine Islands

MDJ (LHZ)
P x2

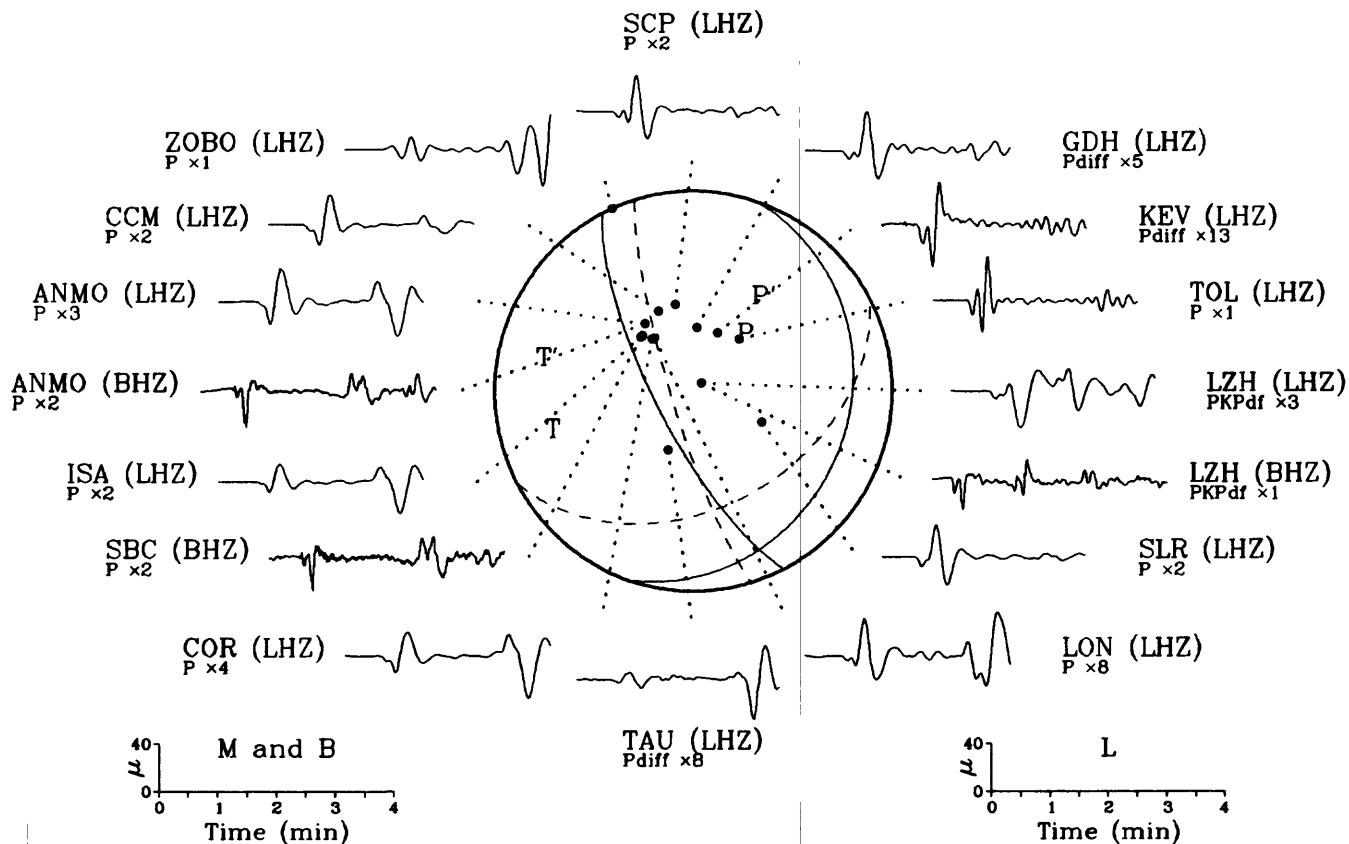


20 June 1991 05:18:52.51
Minahassa Peninsula

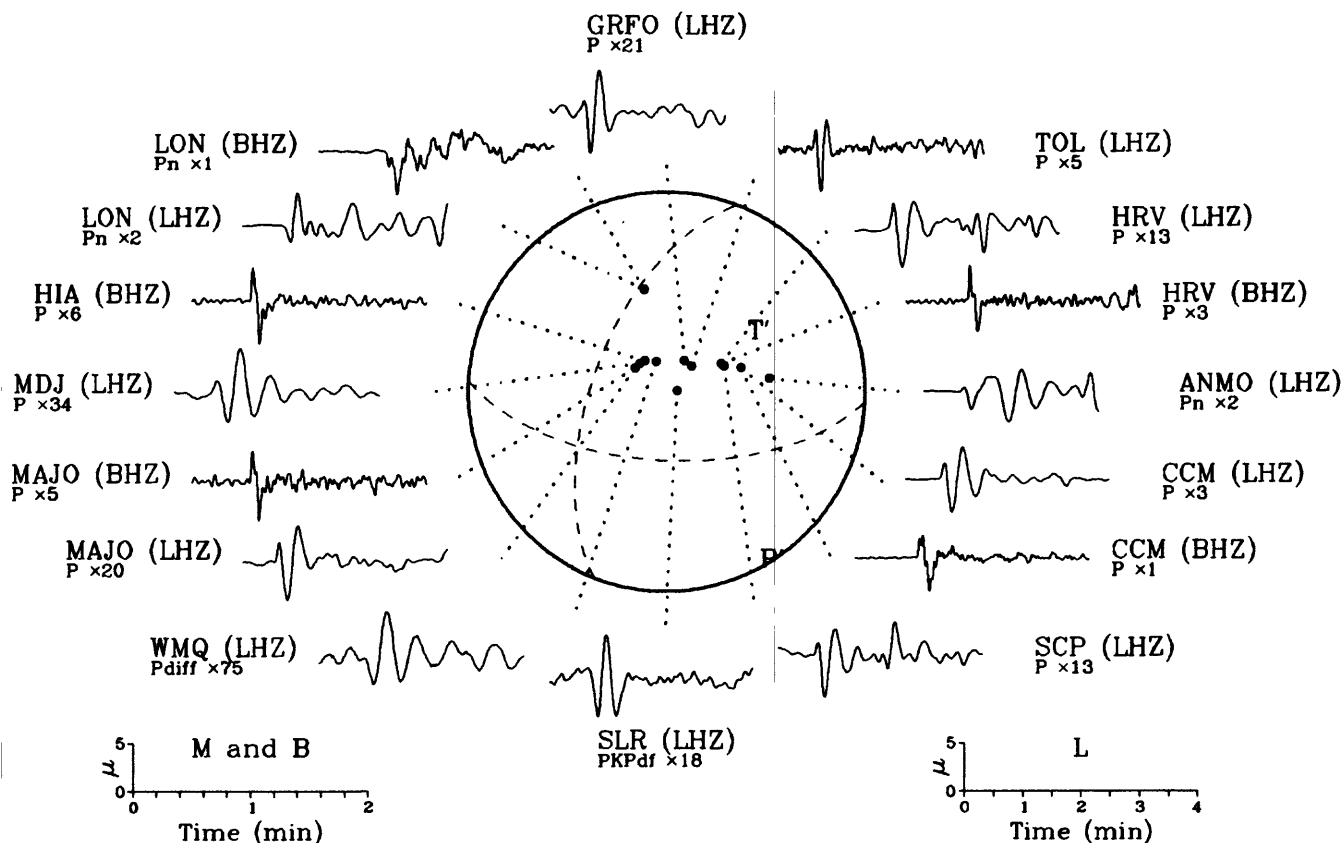
HRV (LHZ)
PKPdr x69



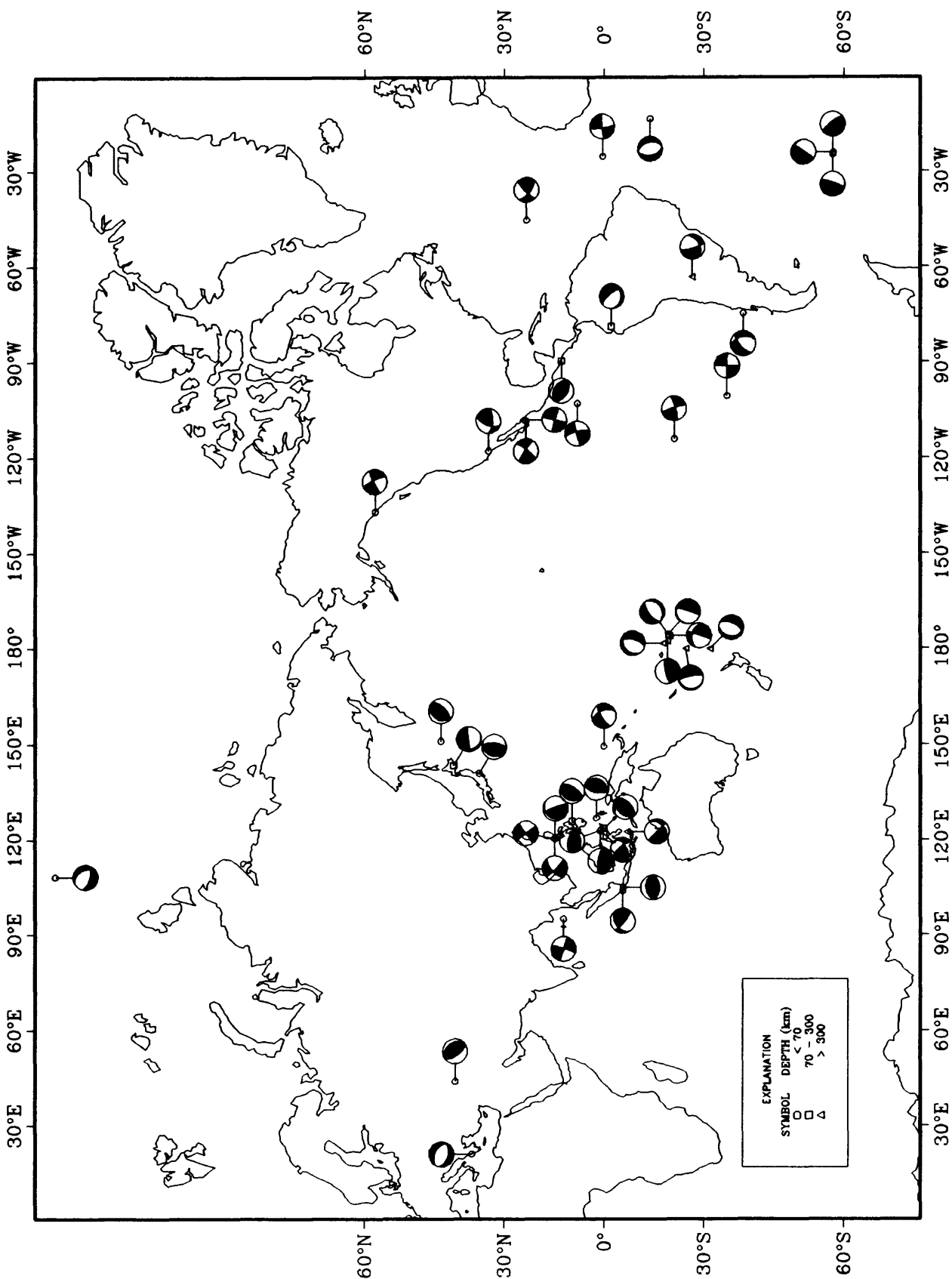
23 June 1991 21:22:28.94
Santiago Del Estero Prov., Arg.

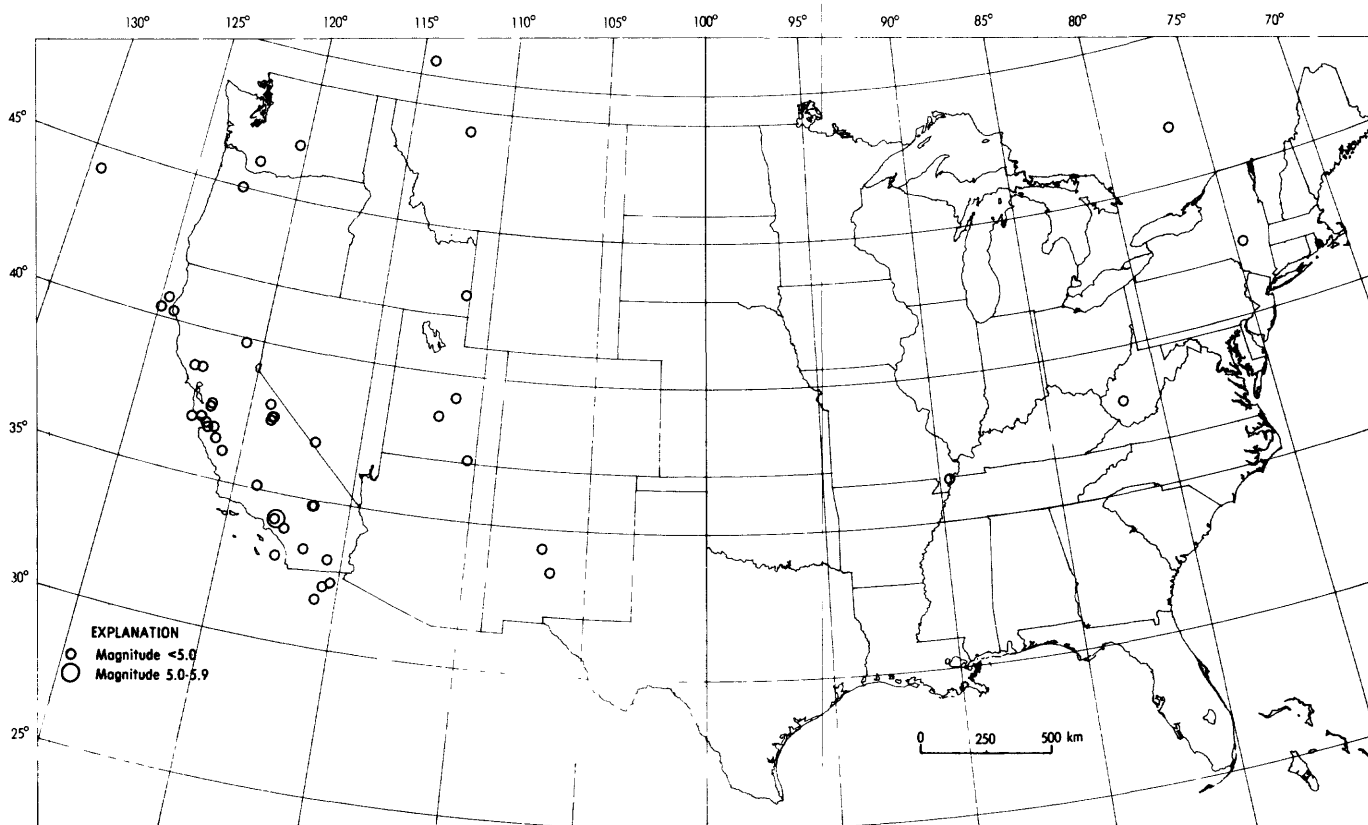


28 June 1991 14:43:54.50
Southern California

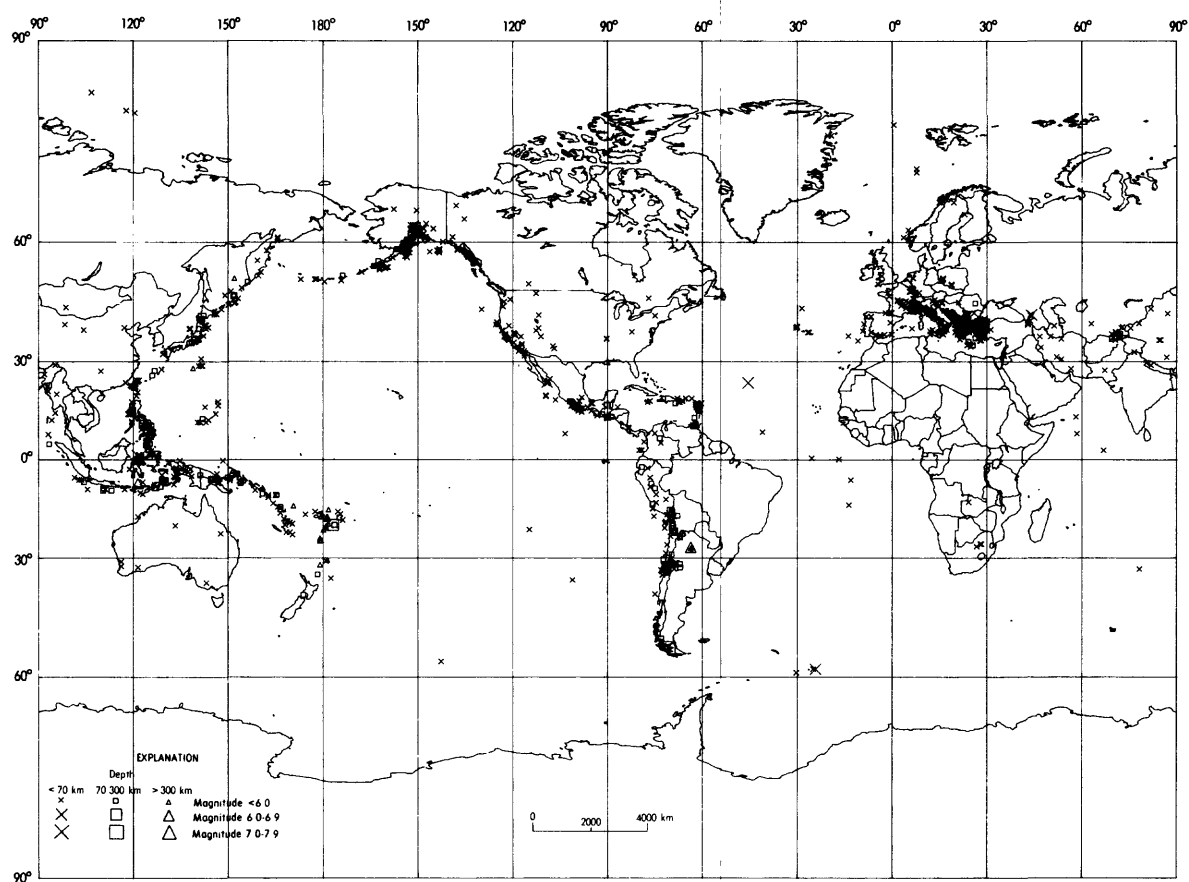


Earthquake Focal Mechanisms for June 1991





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



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