

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

JANUARY - MARCH, 1986

NATIONAL EARTHQUAKE INFORMATION CENTER

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MONTHLY LISTING

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JANUARY 1986

K DAY E Y	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT LONG	DEPTH	MAGNITUDES GS MB Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00 24 20.8*	15.565 S 70.208 W	244	4.1	1.2	23	SOUTHERN PERU
01	00 28 29.0*	40.108 N 29.399 E	10 G		0.7	7	TURKEY
01	00 59 58.3*	40.630 N 30.003 E	10 G		0.9	7	TURKEY
01	02 17 16.3*	24.015 N 125.965 E	33 N	4.2	0.9	16	SOUTHWESTERN RYUKYU ISLANDS
01	02 29 11.8	50.256 N 12.404 E	10 G		0.2	7	GERMANY
01	03 15 18.2	50.245 N 12.446 E	10 G		0.2	11	GERMANY. ML 3.6 (VKA), 3.4 (GRF), 3.4 (FUR), 3.3 (KBA).
01	04 37 24.8	62.079 N 124.042 W	10 G	4.7	1.2	62	NORTHWEST TERRITORIES, CANADA
01	06 09 06.7	39.119 N 41.715 E	45 *	4.8 4.0	1.0	46	TURKEY. Felt in the Erzurum-Mus area.
01	06 16 39.2*	38.423 N 73.559 E	33 N	4.6	1.2	12	TAJIK-KINJIANG BORDER REGION
01	07 34 11.8*	15.627 N 60.182 W	33 N		0.4	9	LEEWARD ISLANDS. ML 2.9 (FDF).
01	08 03 12.6*	61.799 N 124.618 W	10 G		1.0	6	NORTHWEST TERRITORIES, CANADA
01	10 05 41.3*	49.647 N 154.976 E	103 D	4.3	0.5	14	KURIL ISLANDS
01	10 51 00.2*	42.358 N 19.869 E	10 *		0.6	6	YUGOSLAVIA. ML 2.6 (TTG).
01	11 21 29.1*	7.558 S 129.273 E	173 ?	3.6	0.9	7	BANDA SEA
01	12 15 59.2*	51.33 N 16.23 E	10 G		0.9	5	POLAND
01	13 11 53.2*	32.71 N 138.00 E	340 ?	4.0	0.9	15	SOUTH OF HONSHU, JAPAN
01	16 00 50.0	26.781 S 26.598 E	5 G	4.9	1.1	20	REPUBLIC OF SOUTH AFRICA
01	16 04 30.5*	40.530 N 1.277 W	10 G		1.2	8	SPAIN. MG 3.0 (MDD).
01	16 30 18.7*	40.582 N 29.969 E	10 G		0.9	7	TURKEY
01	16 33 10.6*	18.75 S 177.60 W	433 ?	3.9	1.0	11	FIJI ISLANDS REGION
01	16 33 41.5*	60.717 N 147.680 W	20			31	SOUTHERN ALASKA. <AGS-P>.
01	17 08 30.8*	32.90 S 179.13 W	33 N	4.7	1.1	8	SOUTH OF KERMADEC ISLANDS
01	17 13 11.7	42.373 N 19.948 E	10 G		0.5	6	YUGOSLAVIA. ML 2.7 (TTG).
01	17 52 27.9	38.602 N 21.826 E	10 G	4.7	1.2	67	GREECE. ML 4.0 (ATH).
01	17 53 56.6	8.046 S 122.796 E	221	5.0	1.2	36	FLORES ISLAND REGION
01	17 59 26.3*	20.239 S 69.164 W	33 N		0.9	6	NORTHERN CHILE
01	18 21 49.7*	16.37 S 71.16 W	33 N		0.5	5	SOUTHERN PERU
01	18 59 37.9*	60.285 N 151.531 W	59			33	KENAI PENINSULA, ALASKA. <AGS-P>.
01	19 07 07.0	3.912 S 128.850 E	33 N	5.1	1.3	31	CERAM
01	19 39 21.7*	16.472 S 175.404 W	33 N	5.3 4.9	1.3	59	TONGA ISLANDS
01	21 14 39.4*	61.840 N 124.699 W	10 G		0.9	7	NORTHWEST TERRITORIES, CANADA
01	21 16 32.4*	18.809 S 67.685 W	216 *		1.3	8	BOLIVIA
01	21 48 59.4*	12.662 N 61.044 W	100 *		0.9	21	WINDWARD ISLANDS
01	22 01 13.6	19.282 N 108.386 W	10 G	5.3 4.9	1.0	101	REVILLA GIGEDO ISLANDS REGION. Ms 5.2 (BRK).
01	22 10 27.0	56.041 N 165.009 E	27 D	5.2 4.8	1.2	74	KOMANDORSKY ISLANDS REGION
01	22 16 22.4*	23.74 S 179.62 W	540 ?	4.5	1.3	15	SOUTH OF FIJI ISLANDS
01	23 21 09.0	50.232 N 12.449 E	10 G		0.5	10	GERMANY. ML 3.2 (VKA), 3.1 (GRF), 3.0 (KBA).
02	02 58 18.0	42.329 N 19.881 E	10 G		0.6	6	YUGOSLAVIA. ML 2.7 (TTG).
02	05 05 20.6	29.903 N 138.739 E	421	4.8	0.6	93	SOUTH OF HONSHU, JAPAN
02	05 23 40.0*	66.04 N 150.13 W	10 G		0.1	4	ALASKA. ML 3.4 (PMR).
02	06 04 39.1*	33.114 N 138.119 E	333 *	3.9	0.8	14	SOUTH OF HONSHU, JAPAN
02	08 41 37.9	42.317 N 19.863 E	10 G		1.5	9	YUGOSLAVIA. ML 2.7 (TTG).
02	09 32 14.4	22.677 N 92.837 E	33 N	4.8	1.2	18	INDIA-BANGLADESH BORDER REGION
02	09 34 21.8*	40.429 N 23.283 E	10 G		0.2	5	GREECE
02	12 40 43.1*	31.870 N 115.810 W	6 G			6	BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
02	14 35 59.9	18.786 N 101.197 W	106 *	4.9	1.1	52	GUERRERO, MEXICO. Felt in southern Michoacan.
02	15 53 03.5	41.402 N 22.275 E	10 G		1.1	14	YUGOSLAVIA. mLg 2.6 (SKO).
02	15 53 40.6	44.616 N 111.024 W	5 G		0.5	8	HEBGEN LAKE REGION. ML 3.0 (NEIS).
02	16 39 21.1*	38.700 N 142.000 E	99 *	4.2	0.5	9	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Ofunato and (I JMA) at Ishinomaki.
02	17 40 09.6*	28.249 N 140.525 E	33 N	4.5	1.3	8	BONIN ISLANDS REGION
02	17 46 01.9	29.757 S 71.642 W	33 D	4.8	1.5	31	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Coquimbo and La Serena, (II) at Lo Higuera and (I) at Andacollo.
02	17 52 39.0*	11.16 S 165.65 E	33 N	4.3	0.9	9	SANTA CRUZ ISLANDS
02	17 57 19.0*	5.508 S 104.224 E	85 ?	4.4	1.1	21	SOUTHERN SUMATERA
02	18 25 44.4*	17.64 S 62.25 W	33 N		1.0	6	BOLIVIA
02	20 41 46.5*	1.122 S 122.913 E	33 N	4.2 3.8	1.3	7	SULAWESI
02	20 42 07.5*	17.031 N 63.284 W	33 N		1.0	7	LEEWARD ISLANDS

02	20	42	39.9*	48.987 S	123.453 E	10 G	4.5	1.2	22	SOUTH OF AUSTRALIA
02	21	33	42.3	34.310 S	112.097 E	10 G	5.1 5.5	1.5	38	WEST OF AUSTRALIA
02	22	05	23.4*	24.226 S	179.315 W	477 ?	4.1	0.6	7	SOUTH OF FIJI ISLANDS
02	22	55	12.4*	27.474 N	127.871 E	118 *	4.5	0.5	9	RYUKYU ISLANDS. Felt on Okinawa.
03	00	30	32.9*	35.129 N	44.604 E	33 N	4.1	0.7	5	IRAQ
03	00	43	44.7*	18.587 S	67.640 W	150 G		0.6	5	BOLIVIA
03	01	27	20.9	36.534 N	83.812 E	33 N	4.2	1.2	21	SOUTHERN XINJIANG, CHINA
03	02	24	39.5	40.704 S	4.998 W	10 G	5.2	1.1	75	SOUTH ATLANTIC OCEAN
03	04	04	21.1	42.335 N	19.894 E	10 G		1.3	26	YUGOSLAVIA. ML 3.2 (TTG).
03	05	32	16.5*	18.628 S	173.839 W	33 N	4.6	1.2	10	TONGA ISLANDS
03	06	16	07.4?	59.63 N	7.46 E	10 G		1.2	5	SOUTHERN NORWAY. MD 2.4 (BER).
03	07	22	55.3	42.349 N	19.914 E	10 G		1.2	22	YUGOSLAVIA. MD 3.2 (TTG).
03	07	53	51.3?	5.71 S	104.24 E	33 N	4.6	1.2	13	SOUTHERN SUMATERA
03	09	43	28.6	0.972 S	126.868 E	39 D	5.6 5.6	1.2	135	MOLUCCA SEA. Ms 5.8 (PAS).
03	11	19	27.0	28.968 N	142.287 E	33 N	4.6	1.0	26	BONIN ISLANDS REGION
03	11	32	33.0*	46.713 N	153.711 E	33 N	4.5	1.1	10	KURIL ISLANDS
03	11	34	55.4*	60.072 N	153.328 W	124			16	SOUTHERN ALASKA. <AGS-P>.
03	12	33	04.1*	40.445 N	124.505 W	5 G			6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
03	14	36	42.7	42.656 N	18.764 E	10 G		1.1	10	YUGOSLAVIA. MD 3.1 (TTG).
03	15	58	06.9	10.551 N	93.815 E	164 D	5.0	0.9	124	ANDAMAN ISLANDS REGION
03	16	31	09.7	36.629 N	83.886 E	33 N	4.4	1.1	14	SOUTHERN XINJIANG, CHINA
03	16	47	51.0	31.796 S	70.444 W	118 ?		0.8	15	CHILE-ARGENTINA BORDER REGION
03	18	46	31.0	44.375 N	2.932 E	10 G		0.5	11	FRANCE. ML 3.1 (LDG).
03	18	59	22.0*	14.442 S	166.434 E	33 N	4.7	1.2	26	VANUATU ISLANDS
03	19	28	04.0*	28.047 N	140.419 E	33 N	4.4	0.7	9	BONIN ISLANDS REGION
03	19	56	37.8*	0.508 S	132.464 E	33 N	4.8	1.3	27	WEST IRIAN REGION
03	20	02	39.3*	51.008 N	15.924 E	10 G		0.5	5	POLAND
03	20	44	07.7	42.271 N	19.924 E	10 G		1.2	26	YUGOSLAVIA. MD 3.3 (TTG).
03	21	04	14.7*	8.655 S	117.155 E	33 N	4.6	1.1	9	SUMBAWA ISLAND REGION
03	21	14	26.0*	6.665 S	131.360 E	33 N	4.7	1.3	11	TANIMBAR ISLANDS REGION
03	21	39	17.8?	31.26 S	69.05 W	110 ?		0.6	6	SAN JUAN PROVINCE, ARGENTINA
04	00	34	30.6?	57.70 N	5.42 W	5 G		0.3	10	UNITED KINGDOM. ML 2.5 (EDI). Felt (IV) at Gairloch and (III) at Poolewe, Scotland.
04	01	35	08.0*	33.547 S	72.595 W	33 N	4.3	1.1	22	OFF COAST OF CENTRAL CHILE
04	01	38	57.7*	33.406 S	72.396 W	10 G		0.5	10	OFF COAST OF CENTRAL CHILE
04	02	09	41.8	43.027 N	0.242 W	10 G		0.2	8	PYRENEES. ML 2.9 (LDG).
04	02	39	39.1?	29.22 S	72.70 W	33 N		0.8	7	OFF COAST OF CENTRAL CHILE
04	02	50	27.8*	19.474 N	109.437 W	10 G	4.1 4.6	1.1	10	REVILLA GIGEDO ISLANDS REGION
04	03	14	38.3	11.327 N	63.704 W	23	4.3	0.5	17	CARIBBEAN SEA. Felt on Margarita and in the Cumana-Rio Coribe area, Venezuela.
04	03	19	59.5?	33.43 S	72.29 W	10 G		0.4	9	OFF COAST OF CENTRAL CHILE
04	06	26	17.6*	31.638 S	138.588 E	33 N		1.0	6	SOUTH AUSTRALIA. ML 3.4 (STK).
04	06	48	07.3*	35.330 N	140.334 E	27 *	4.2	1.5	12	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Chiba.
04	07	47	06.3?	40.70 N	24.27 E	10 G		0.4	6	AEGEAN SEA
04	09	52	53.3	17.554 S	167.772 E	24 *	5.1 4.7	1.1	101	VANUATU ISLANDS
04	11	45	53.4*	17.890 S	178.528 W	554 *	4.2	1.2	22	FIJI ISLANDS REGION
04	11	48	38.5?	33.42 S	72.82 W	33 N		0.4	9	OFF COAST OF CENTRAL CHILE
04	12	38	52.1*	18.018 S	168.009 E	25 *	4.3	1.0	33	VANUATU ISLANDS
04	12	45	07.4*	17.728 S	167.891 E	33 N	4.5	1.3	22	VANUATU ISLANDS
04	12	45	53.0*	17.753 S	167.835 E	33 N	4.4	1.4	23	VANUATU ISLANDS
04	13	06	51.9	46.162 N	143.512 E	312 *	4.5	0.9	55	SAKHALIN ISLAND
04	13	36	33.7	17.558 S	167.850 E	27	5.2 5.3	1.2	132	VANUATU ISLANDS
04	14	15	53.9?	62.33 N	5.17 E	10 G		0.5	5	SOUTHERN NORWAY. MD 2.1 (BER).
04	15	18	02.6	17.747 S	167.800 E	29 *	4.4	1.1	43	VANUATU ISLANDS
04	16	05	47.2*	17.754 S	167.699 E	33 N	4.2	1.1	6	VANUATU ISLANDS
04	16	27	01.7*	39.939 N	23.803 E	10 G		0.6	8	AEGEAN SEA
04	16	39	39.6	50.236 N	12.421 E	10 G		0.5	8	GERMANY. ML 2.6 (GRF).
04	17	08	56.9	35.874 N	140.969 E	53	4.6	1.0	23	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Choshi and Mito.
04	18	02	09.9	53.000 N	4.412 W	10 G		0.4	7	UNITED KINGDOM. ML 1.3 (ECP).
04	18	46	22.9	42.391 N	19.961 E	10 G		1.1	13	YUGOSLAVIA. MD 3.2 (TTG).
04	19	16	23.4?	20.49 S	170.38 E	33 N	4.2	1.0	7	VANUATU ISLANDS
04	20	59	10.9	17.756 S	167.665 E	10 G	4.4	1.2	34	VANUATU ISLANDS
04	23	08	01.1	44.573 N	9.695 E	10 G		0.9	33	NORTHERN ITALY. ML 3.5 (KBA), 3.5 (LDG), 3.2 (TRI).
04	23	31	07.5	19.360 N	108.524 W	10 G	5.2 5.4	1.2	69	REVILLA GIGEDO ISLANDS REGION
04	23	41	53.8?	42.31 N	20.03 E	10 G		0.8	5	YUGOSLAVIA. ML 2.6 (TTG).
04	23	44	42.2	40.485 N	24.331 E	10 G		1.1	10	AEGEAN SEA
04	23	51	08.6%	15.807 N	61.017 W	33 N		0.4	13	LEEWARD ISLANDS. ML 3.1 (FDF).
05	00	01	24.9?	46.14 N	2.97 E	5 G		0.3	6	FRANCE. ML 1.9 (LDG).
05	00	16	29.6	42.373 N	20.015 E	23 *		0.4	9	YUGOSLAVIA. MD 3.2 (TTG).
05	00	27	28.2	42.348 N	19.949 E	10 G		0.7	8	YUGOSLAVIA. ML 2.7 (TTG).
05	00	37	49.2*	38.102 N	21.518 E	10 G		0.9	8	GREECE. ML 3.3 (ATH).
05	00	59	22.6	33.230 S	70.110 W	10 G	4.5	0.9	20	CHILE-ARGENTINA BORDER REGION
05	02	07	35.5	17.723 S	167.604 E	10 G	4.6 4.8	1.3	70	VANUATU ISLANDS
05	02	09	50.3*	33.840 S	72.476 W	33 N	4.5	1.3	25	OFF COAST OF CENTRAL CHILE
05	02	45	55.1	42.364 N	19.957 E	10 G		1.3	6	YUGOSLAVIA. MD 2.8 (TTG).
05	03	35	56.4*	40.989 N	73.833 W	5			6	NEW YORK. <PAL>. ML 1.8 (PAL). Felt (IV) at Hastings-on-Hudson, Tuckahoe, White Plains and Yonkers. Felt (III) at Eastchester, Irvington, Mamaroneck and Scarsdale. Also felt at Ardsley, Dobbs Ferry and Greenburgh.
05	03	47	24.7?	50.25 S	113.92 E	10 G	4.7 4.9	1.0	7	SOUTHEAST INDIAN RISE
05	04	34	34.3*	57.748 N	153.194 W	62			25	KODIAK ISLAND REGION. <AGS-P>.
05	05	18	49.1*	37.262 N	121.665 W	6			13	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt in the Hollis Valley area.
05	05	53	52.1	5.619 S	131.425 E	33 N	5.1 5.1	1.1	48	BANDA SEA
05	06	06	49.0?	33.49 S	72.83 W	33 N		0.8	12	OFF COAST OF CENTRAL CHILE
05	06	31	18.1*	28.215 N	140.600 E	55 ?	4.6	1.5	12	BONIN ISLANDS REGION
05	06	51	45.8	17.803 S	167.644 E	10 G	4.3	1.2	39	VANUATU ISLANDS
05	06	56	28.2	62.256 N	124.387 W	10 G	4.4	1.2	18	NORTHWEST TERRITORIES, CANADA
05	08	08	07.7*	53.163 S	9.638 E	10 G	5.7 5.4	1.3	38	SOUTHWEST OF AFRICA
05	08	36	59.0?	31.84 S	66.86 W	33 N		0.9	5	LA RIOJA PROVINCE, ARGENTINA

05	09 08 18.6	40.501 N	22.931 E	10 G		0.7	14	GREECE. ML 3.0 (K8N).
05	09 21 30.4	42.989 N	146.214 E	39	5.1 5.0	1.0	67	OFF COAST OF HOKKAIDO, JAPAN. Felt (II JMA) at Nemuro and (I JMA) at Kushiro.
05	10 37 48.0*	15.657 N	61.591 W	33 N		1.1	5	LEEWARD ISLANDS. ML 3.1 (FDF).
05	11 27 55.3	42.392 N	19.995 E	10 G		0.8	10	YUGOSLAVIA. MD 2.8 (TTG).
05	11 37 03.4	35.232 N	27.727 E	46 *	4.2	1.5	41	DODECANESE ISLANDS
05	12 44 10.4*	9.176 S	158.266 E	33 N	3.7	1.2	7	SOLOMON ISLANDS
05	13 14 54.8	28.962 N	138.723 E	482	4.2	0.7	24	BONIN ISLANDS REGION
05	13 28 07.0	42.382 N	19.967 E	10 G		1.2	9	YUGOSLAVIA. MD 2.8 (TTG).
05	13 37 40.2	74.044 N	9.434 E	10 G	4.5	1.1	19	GREENLAND SEA
05	13 57 12.1*	26.862 S	177.125 W	33 N	4.9	0.9	18	SOUTH OF FIJI ISLANDS
05	15 00 15.6	17.753 S	167.641 E	10 G	4.3	1.3	47	VANUATU ISLANDS
05	16 16 32.8*	18.773 N	99.026 E	30		1.3	9	SOUTHEAST ASIA
05	18 19 45.9*	31.144 S	67.972 W	10 G		0.8	5	SAN JUAN PROVINCE, ARGENTINA
05	18 52 14.8*	40.712 N	22.830 E	10 G		0.3	6	GREECE
05	19 15 27.9	32.183 S	70.792 W	98	5.0	1.0	39	CHILE-ARGENTINA BORDER REGION. Felt (IV) in the Valparaiso-Vina del Mar area and (III) at Santiago, Chile.
05	19 17 37.3	50.228 N	12.445 E	10 G		0.3	10	GERMANY. ML 2.9 (GRF), 2.8 (FUR), 2.7 (KBA).
05	19 41 33.0*	64.330 N	150.678 W	33 N		1.3	7	CENTRAL ALASKA. ML 3.9 (PMR).
05	20 54 53.6*	28.58 N	140.85 E	33 N	4.4	1.5	6	BONIN ISLANDS REGION
05	21 28 04.9	19.830 S	168.813 E	47 *	5.3	1.3	53	VANUATU ISLANDS
05	23 00 32.6	0.796 N	120.012 E	33 N	5.0	1.1	33	MINAHASSA PENINSULA
05	23 03 39.0*	0.781 N	119.879 E	33 N	5.2	0.9	18	MINAHASSA PENINSULA
06	00 02 35.7	49.371 N	129.369 W	10 G	4.4	1.1	39	VANCOUVER ISLAND REGION
06	00 03 12.8*	15.897 N	60.528 W	26		0.8	11	LEEWARD ISLANDS. ML 3.3 (FDF).
06	00 09 10.9	40.537 N	49.299 E	33 N	4.9 3.8	1.2	29	EASTERN CAUCASUS. Minor damage (VI) in the Shemakha area, USSR.
06	00 20 27.1	3.485 S	145.884 E	33 N	5.4 5.1	0.8	21	NEAR N COAST OF PAPUA NEW GUINEA
06	01 54 32.6*	46.305 N	7.544 E	10 G		1.4	7	SWITZERLAND
06	02 45 34.0*	17.803 S	167.853 E	33 N	4.2	1.3	12	VANUATU ISLANDS
06	03 53 37.5*	0.492 S	132.816 E	33 N	4.8	1.3	16	WEST IRIAN REGION
06	04 00 19.7*	36.47 N	140.53 E	10 G		0.4	5	NEAR EAST COAST OF HONSHU, JAPAN
06	05 53 40.0*	61.705 N	150.706 W	71			34	SOUTHERN ALASKA. <AGS-P>.
06	06 17 25.8*	38.75 N	23.46 E	10 G		0.3	5	GREECE
06	06 48 23.3	1.329 S	127.517 E	83 ?	5.1	1.2	30	HALMAHERA
06	08 54 16.0*	60.166 N	153.072 W	122			23	SOUTHERN ALASKA. <AGS-P>.
06	09 50 42.2*	27.800 N	85.392 E	34 *	4.5	1.4	14	NEPAL. Felt at Kathmandu.
06	11 23 37.5	27.770 N	99.955 E	33 N		1.0	11	YUNNAN PROVINCE, CHINA. ML 4.2 (KMI).
06	12 28 48.5	1.729 N	126.436 E	59 *	5.1	1.2	71	MOLUCCA PASSAGE
06	12 49 14.2*	49.677 S	125.841 E	10 G	4.3	1.0	11	SOUTH OF AUSTRALIA
06	13 31 51.8*	21.250 S	68.998 W	140 ?		0.5	6	CHILE-BOLIVIA BORDER REGION
06	13 55 20.8	4.366 N	124.767 E	316 *	4.7	1.0	34	CELEBES SEA
06	16 09 12.8*	55.06 N	160.31 W	33 N	4.6	1.2	11	ALASKA PENINSULA
06	16 38 07.0*	62.380 N	152.449 W	153			28	CENTRAL ALASKA. <AGS-P>.
06	16 44 41.7*	40.145 N	28.698 E	10 G		1.0	9	TURKEY
06	17 29 07.1*	3.166 S	126.510 E	33 N	4.9	0.5	10	BURU
06	17 37 19.7	26.662 N	66.207 E	33 N	4.9	1.1	52	PAKISTAN
06	18 46 25.6*	6.84 S	127.61 E	419 ?	4.4	1.0	8	BANDA SEA
06	19 22 01.9	42.574 N	15.328 E	16	4.2	1.3	64	ADRIATIC SEA. ML 4.4 (TRI), 4.3 (KBA).
06	19 52 42.7*	37.010 N	121.483 W	9			21	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Ma=7.2*10**21 (BRK). Felt (IV) at Morgan Hill and (III) at Aptos. Also felt at Gilroy and Hollister.
06	20 57 52.2*	32.951 S	71.803 W	10 G		1.2	14	NEAR COAST OF CENTRAL CHILE
06	21 49 26.6	39.413 N	23.819 E	20		0.9	11	AEGEAN SEA. ML 3.2 (ATH).
06	22 23 42.0	48.316 N	6.537 E	10 G		0.9	6	FRANCE. ML 2.5 (LDG).
06	22 51 33.9	13.792 S	166.533 E	33 N	5.3	1.1	57	VANUATU ISLANDS
06	23 07 17.4	46.227 N	7.852 E	10 G		0.7	7	SWITZERLAND
06	23 30 04.8	41.938 N	23.046 E	10 G		0.4	10	GREECE-BULGARIA BORDER REGION
07	00 55 55.1*	27.64 N	112.80 W	10 G	4.3	1.2	6	BAJA CALIFORNIA
07	01 01 40.6	48.180 N	7.459 E	10 G		0.2	8	FRANCE. ML 2.6 (LDG).
07	01 26 43.6*	35.606 N	84.759 W	21			9	TENNESSEE. <TEIC>. MD 3.2 (TEIC). Felt in parts of Rhea, Meigs, McMinn and Roane Counties.
07	03 25 50.8*	15.898 S	178.747 W	20	5.0	1.1	26	FIJI ISLANDS REGION
07	03 52 42.1	50.227 N	12.429 E	10 G		0.3	10	GERMANY. ML 2.6 (GRF), 2.4 (KBA).
07	03 56 36.3*	42.32 N	19.88 E	5 G		0.6	6	YUGOSLAVIA. MD 2.8 (TTG).
07	04 32 54.9	43.058 N	0.366 W	10 G		0.7	12	PYRENEES. ML 3.5 (LDG).
07	04 49 38.0*	35.23 N	71.83 E	33 N		0.1	5	PAKISTAN
07	04 52 35.5	42.299 N	19.951 E	10 G	3.3	1.3	18	YUGOSLAVIA. MD 3.4 (TTG).
07	05 36 17.4*	21.015 S	178.808 W	585 *	4.4	1.0	18	FIJI ISLANDS REGION
07	08 08 46.5	17.428 S	167.611 E	26 *	5.2 5.3	1.1	66	VANUATU ISLANDS
07	09 43 56.2	50.247 N	12.467 E	10 G		0.3	8	GERMANY. ML 2.5 (GRF).
07	09 49 07.9	42.326 N	19.909 E	10 G		0.9	7	YUGOSLAVIA. MD 3.2 (TTG).
07	10 24 42.3*	14.07 N	94.02 W	33 N	4.4	1.1	7	OFF COAST OF CHIAPAS, MEXICO
07	10 38 55.2	21.183 S	178.627 W	520 D	5.2	0.9	183	FIJI ISLANDS REGION
07	12 25 14.0*	62.074 N	124.289 W	10 G	4.4	1.4	16	NORTHWEST TERRITORIES, CANADA
07	13 12 08.0	2.366 N	128.516 E	247 *	5.0	1.1	49	HALMAHERA
07	13 48 59.3*	1.26 S	127.37 E	33 N	5.2	1.1	10	HALMAHERA
07	13 55 03.0	1.649 N	95.260 E	33 N	5.2	0.8	67	OFF W COAST OF NORTHERN SUMATERA
07	14 51 55.3	42.295 N	19.883 E	13	3.6	1.3	39	YUGOSLAVIA. MD 3.6 (TTG).
07	15 21 21.6	50.224 N	12.417 E	10 G		0.4	7	GERMANY. ML 2.3 (GRF).
07	16 20 01.3*	39.804 N	22.687 E	10 G		0.5	8	GREECE
07	16 20 51.6*	37.149 N	72.062 E	33 N	4.2	1.4	5	TAJIK SSR
07	16 31 59.8*	39.207 N	27.804 E	10 G		1.2	6	TURKEY
07	16 37 47.9*	13.361 S	111.326 W	10 G	4.9 5.1	0.9	27	NORTHERN EASTER I. CORDILLERA
07	17 05 13.0*	52.574 N	168.379 W	33 N	4.0	0.6	7	FOX ISLANDS, ALEUTIAN ISLANDS
07	17 06 43.4*	34.150 S	72.179 W	33 N	4.3	1.0	23	NEAR COAST OF CENTRAL CHILE
07	17 35 01.5	50.232 N	12.426 E	10 G		0.2	8	GERMANY. ML 2.4 (GRF).
07	18 11 08.8*	42.33 N	19.92 E	10 G		1.2	6	YUGOSLAVIA. MD 2.8 (TTG).
07	18 26 52.1*	5.579 S	146.326 E	143 ?	3.5	0.7	7	EAST PAPUA NEW GUINEA REGION
07	19 25 50.1*	48.234 N	7.714 E	10 G		0.3	6	FRANCE. ML 2.3 (LDG).
07	20 00 29.8*	40.616 N	22.614 E	10 G		0.5	7	GREECE
07	20 20 01.6*	26.930 N	88.325 E	70 *	5.0	0.9	15	INDIA-BANGLADESH BORDER REGION

07	20 40 09.8	34.209 S	72.151 W	33 N	4.6	1.2	26	NEAR COAST OF CENTRAL CHILE
07	20 46 32.0*	34.212 S	72.301 W	10 G	4.6	1.5	16	NEAR COAST OF CENTRAL CHILE
07	20 52 55.1*	28.227 N	140.796 E	33 N	4.9	1.5	7	BONIN ISLANDS REGION
08	00 27 20.8	42.586 N	15.315 E	28	4.2	1.4	86	ADRIATIC SEA. ML 4.8 (KBA), 4.7 (TRI). MD 4.7 (TTG).
08	00 44 19.4*	40.572 N	27.931 E	10 G		0.6	7	TURKEY
08	00 59 21.8	42.645 N	15.407 E	22	3.9	1.4	60	ADRIATIC SEA. ML 4.3 (TRI), 4.3 (KBA).
08	01 35 59.6*	40.572 N	23.557 E	10 G		0.4	8	GREECE
08	02 32 06.8*	8.21 S	80.56 W	33 N		1.6	5	OFF COAST OF NORTHERN PERU. Felt (III) at Trujillo.
08	02 58 59.5	50.239 N	12.414 E	10 G		0.2	9	GERMANY. ML 2.7 (GRF).
08	03 14 12.0*	50.245 N	12.423 E	10 G		0.3	5	GERMANY
08	03 21 44.8	50.231 N	12.446 E	10 G		0.3	10	GERMANY. ML 2.9 (GRF), 2.8 (KBA).
a 08	03 42 50.4	35.753 S	71.096 W	105	5.3	0.9	94	CENTRAL CHILE
08	03 55 40.8*	50.217 N	12.425 E	10 G		0.6	5	GERMANY
08	03 56 52.5	50.232 N	12.446 E	10 G		0.1	9	GERMANY. ML 2.4 (GRF).
08	04 16 03.8	37.619 N	118.854 W	5 G		0.9	8	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (PAS).
08	04 22 03.4*	42.29 N	20.00 E	10 G		0.6	6	YUGOSLAVIA. MD 2.8 (TTG).
08	04 29 14.2	50.241 N	12.424 E	10 G		0.3	9	GERMANY. ML 2.5 (GRF), 2.5 (FUR).
08	05 22 31.9*	36.426 N	71.323 E	33 N	4.9	1.2	14	AFGHANISTAN-USSR BORDER REGION
08	06 08 59.7*	41.79 N	14.34 E	10 G		1.3	8	SOUTHERN ITALY. ML 3.4 (KBA), 3.2 (TRI).
08	06 55 05.5*	7.055 S	76.781 W	91 *	4.5	1.3	13	NORTHERN PERU
08	07 07 49.7	12.353 N	143.959 E	20	5.1	0.8	29	SOUTH OF MARIANA ISLANDS
08	07 28 54.3*	56.06 S	27.92 W	70 G	5.3	1.0	11	SOUTH SANDWICH ISLANDS REGION
08	07 32 25.6	44.619 N	111.054 W	5 G		0.6	10	HEBGEN LAKE REGION. ML 2.8 (NEIS). Felt (II) at West Yellowstone, Montana.
08	07 34 21.6*	36.669 N	28.393 E	76 ?		1.1	7	DODECANESE ISLANDS
08	08 57 37.3	42.310 N	19.919 E	10 G		1.1	9	YUGOSLAVIA. MD 3.0 (TTG).
08	09 15 19.6*	18.28 S	172.80 W	33 N	4.7	1.3	10	TONGA ISLANDS REGION
08	09 55 56.4*	27.257 S	152.433 E	10 G	3.2	1.1	6	NEAR EAST COAST OF AUSTRALIA. ML 4.0 (COO), 3.9 (RMO). Damage to a house at Kilcoy. Felt (V) at Somerset Dam and (IV) at Esk, Toogoolawah and Woodford. Felt over an area of 2000 sq. km.
08	11 08 15.5	44.635 N	111.011 W	5 G		0.6	10	HEBGEN LAKE REGION. ML 3.0 (NEIS). Felt (III) at West Yellowstone, Montana.
08	13 36 28.3	44.610 N	111.069 W	5 G		0.9	10	HEBGEN LAKE REGION. ML 2.9 (NEIS). Felt (III) at West Yellowstone, Montana.
08	13 51 21.7	42.297 N	19.930 E	11	3.9	1.1	50	YUGOSLAVIA. MD 3.9 (TTG).
08	13 55 31.7	42.305 N	19.961 E	10 G		0.6	8	YUGOSLAVIA. MD 2.8 (TTG).
08	14 50 29.1	42.248 N	19.848 E	8	3.6	1.3	44	YUGOSLAVIA. MD 3.6 (TTG).
08	14 54 57.0*	42.17 N	20.09 E	10 G		0.4	5	YUGOSLAVIA. MD 3.1 (TTG).
08	15 04 49.0	39.465 N	15.336 E	292	4.4	1.0	57	SOUTHERN ITALY
08	15 18 05.9	42.299 N	19.937 E	8		1.2	37	YUGOSLAVIA. MD 3.3 (TTG).
08	16 29 18.4*	42.10 N	0.07 W	10 G		1.5	6	PYRENEES
08	16 53 00.0*	29.658 N	31.698 E	33 N		0.8	16	ARAB REPUBLIC OF EGYPT
08	19 04 17.9*	23.351 N	93.955 E	83 ?	4.7	1.3	11	BURMA-INDIA BORDER REGION
08	20 57 19.1	42.350 N	19.885 E	13	4.2	1.3	73	YUGOSLAVIA. MD 3.8 (TTG).
08	22 34 06.5*	59.746 N	152.828 W	76	4.3		39	SOUTHERN ALASKA. <AGS-P>.
09	00 48 31.4*	17.809 S	167.951 E	47 *	4.4	1.3	11	VANUATU ISLANDS
09	01 33 27.5*	50.238 N	12.378 E	10 G		0.6	5	GERMANY
09	01 45 52.5	41.412 N	20.183 E	10 G		1.3	14	ALBANIA. MD 3.3 (TTG).
09	02 17 31.3	42.293 N	19.959 E	10 G		1.4	11	YUGOSLAVIA. MD 2.9 (TTG).
09	06 02 45.2	43.252 N	1.262 W	13		0.9	20	PYRENEES. ML 3.4 (LDG). Felt (III) at Roncesvalles, Spain.
09	06 25 04.6	55.895 N	162.188 E	281 D	4.7	1.0	83	NEAR EAST COAST OF KAMCHATKA
09	07 05 27.4*	5.88 S	148.61 E	103 *	4.7	0.9	7	NEW BRITAIN REGION
09	09 05 34.3*	28.91 S	105.85 W	10 G	4.6	1.2	21	EASTER ISLAND REGION
09	09 28 12.7*	62.497 N	151.275 W	97			24	CENTRAL ALASKA. <AGS-P>.
09	11 12 33.0*	28.260 N	140.617 E	33 N	4.9	1.4	26	BONIN ISLANDS REGION
09	11 19 25.2	40.657 N	23.583 E	10 G		0.3	9	GREECE
09	12 01 12.8	42.162 N	26.033 E	10 G		1.3	9	BULGARIA
09	12 02 47.0*	50.210 N	12.686 E	10 G		0.4	5	GERMANY. ML 2.8 (GRF).
09	13 16 28.0*	42.53 N	24.12 E	10 G		0.4	6	BULGARIA
09	13 23 25.3*	5.822 S	104.197 E	33 N	4.6	1.0	17	SOUTHERN SUMATRA
09	13 43 33.2	23.705 S	179.866 E	536 *	4.5	0.7	32	SOUTH OF FIJI ISLANDS
09	14 04 02.0	21.534 S	66.748 W	222	4.8	0.9	19	SOUTHERN BOLIVIA
09	15 49 37.6*	55.71 S	128.67 W	10 G	4.9 5.2	0.8	8	SOUTH PACIFIC CORDILLERA
09	16 28 44.7	0.799 N	123.782 E	284 *	4.6	1.0	33	MINAHASSA PENINSULA
09	18 51 07.1*	40.26 N	12.73 E	10 G	4.4	1.2	12	TYRRHENIAN SEA
09	19 26 12.8	42.325 N	19.887 E	10		0.7	17	YUGOSLAVIA. MD 3.2 (TTG).
09	20 34 43.1*	51.246 N	15.569 E	13		1.2	11	POLAND. ML 3.6 (VKA), 3.6 (GRF), 3.5 (VKA).
09	21 39 30.3*	40.70 N	15.35 E	10 G	3.4	0.8	7	SOUTHERN ITALY
09	21 41 54.9	41.976 N	142.215 E	73	4.6	1.1	34	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakawa.
09	22 13 39.8*	26.62 S	26.61 E	5 G	4.4	1.0	7	REPUBLIC OF SOUTH AFRICA
09	22 16 42.3	42.300 N	19.922 E	10 G		0.3	8	YUGOSLAVIA. ML 2.8 (TTG).
09	22 58 24.6	42.277 N	19.913 E	11		1.2	30	YUGOSLAVIA. MD 3.5 (TTG).
09	23 07 19.7*	26.31 N	110.88 W	10 G	4.6	1.3	12	GULF OF CALIFORNIA
09	23 11 37.8*	19.79 S	169.66 E	308	4.7	0.9	23	VANUATU ISLANDS
10	02 15 00.8*	46.071 N	27.742 W	10 G	4.4	0.8	22	NORTH ATLANTIC RIDGE
10	02 26 07.6*	19.443 S	69.399 W	33 N		1.2	6	NORTHERN CHILE
10	02 33 59.7*	16.911 N	62.108 W	10 G		0.3	6	LEEWARD ISLANDS. ML 3.1 (FDF).
a 10	03 46 29.9	28.648 N	86.527 E	55	5.4 3.6	1.0	155	TIBET. Felt at Kolhmandu, Nepal.
10	04 19 50.3	50.263 N	12.404 E	10 G		0.1	8	GERMANY. ML 2.5 (GRF).
10	04 35 38.6	42.285 N	19.934 E	13	4.4	1.3	102	YUGOSLAVIA. MD 4.3 (TTG). Felt (IV) at Titograd.
10	05 17 48.9*	33.99 S	178.08 E	239 ?	4.7	1.3	12	SOUTH OF KERMADEC ISLANDS
10	06 02 57.5	27.808 N	140.831 E	34	5.1	0.9	46	BONIN ISLANDS REGION
10	06 54 37.7*	16.783 N	61.822 W	33 N		0.6	8	LEEWARD ISLANDS. ML 2.9 (FDF).
10	07 09 34.4	70.445 N	15.260 W	10 G	4.6	1.1	31	JAN MAYEN ISLAND REGION
10	07 12 46.3*	70.133 N	15.179 W	10 G	4.5	1.2	20	JAN MAYEN ISLAND REGION
10	08 10 24.1	70.393 N	15.128 W	10 G	4.6	1.5	34	JAN MAYEN ISLAND REGION
10	08 10 45.2	70.325 N	15.273 W	10 G	4.7	1.2	30	JAN MAYEN ISLAND REGION
10	09 59 48.0*	45.800 N	77.320 W	18 G			3	SOUTHERN ONTARIO. <OTT-P>. mbLg 3.3 (OTT). Felt (IV) at Pembroke and Locksley. Also felt at Petawawa.
10	10 00 18.5	42.242 N	19.893 E	5 G		0.9	19	YUGOSLAVIA. MD 3.5 (TTG).
10	10 19 38.3*	61.382 N	150.658 W	60			29	SOUTHERN ALASKA. <AGS-P>.

10	11	07	38.8	85.214	N	12.873	E	10	G	4.8	3.8	1.0	29	NORTH OF SVALBARD	
10	11	18	04.9*	15.874	S	74.640	W	72	*	4.9		1.2	20	NEAR COAST OF PERU	
10	12	11	48.17	28.06	N	140.41	E	30	?			1.1	13	BONIN ISLANDS REGION	
10	12	13	57.7	37.444	N	118.864	W	5	G			0.8	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (PAS).	
10	13	28	09.2	33.028	N	137.966	E	342		4.4		0.8	34	NEAR S. COAST OF HONSHU, JAPAN	
10	14	27	28.5*	5.942	S	104.055	E	33	N	4.6		1.4	24	SOUTHERN SUMATERA	
10	16	05	07.17	33.86	S	72.06	W	10	G			1.3	13	OFF COAST OF CENTRAL CHILE. Felt (II) at Santiago.	
10	16	19	57.8	42.304	N	19.900	E	10	G			0.9	6	YUGOSLAVIA	
10	17	52	06.7*	36.706	N	141.252	E	54	*	4.2		1.2	18	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Onahama and Mito.	
10	19	12	46.7	45.473	N	15.895	E	10	G			1.3	10	YUGOSLAVIA. ML 3.4 (KBA), 3.0 (TRI). Felt at Glina.	
10	21	13	03.3*	36.370	N	71.067	E	204	?	4.3		0.9	9	AFGHANISTAN-USSR BORDER REGION	
o	10	22	16	22.7*	52.989	S	9.517	E	10	G	5.2	5.0	1.3	35	SOUTHWEST OF AFRICA
10	22	52	29.7*	40.585	N	29.975	E	10	G			1.1	5	TURKEY	
10	22	56	29.6	50.289	N	12.395	E	10	G			0.8	6	GERMANY	
10	23	00	11.0	0.127	N	121.944	E	227	*	4.9		1.0	46	MINAHASSA PENINSULA	
11	00	40	00.3	42.307	N	19.874	E	10	G	4.6		1.1	13	YUGOSLAVIA. MD 3.2 (TTG).	
11	00	45	00.9*	11.766	S	118.180	E	33	N	4.2		1.0	6	SOUTH OF SUMBAWA ISLAND	
11	01	23	15.7	50.232	N	12.425	E	10	G			0.3	7	GERMANY. ML 2.6 (FUR), 2.5 (GRF).	
11	01	35	38.6*	27.029	S	66.191	W	10	G			0.5	6	CATAMARCA PROVINCE, ARGENTINA	
11	02	30	42.47	16.91	N	99.48	W	33	N	3.6		0.7	7	NEAR COAST OF GUERRERO, MEXICO	
11	03	29	28.7*	15.513	S	70.332	W	236	*	4.0		0.6	11	SOUTHERN PERU	
11	05	13	40.1	13.737	S	166.416	E	33	N	5.5		1.3	61	VANUATU ISLANDS	
11	05	27	18.3*	13.735	S	166.446	E	33	N	5.4		1.3	40	VANUATU ISLANDS	
11	06	26	45.9	13.690	S	166.392	E	33	N	5.2		1.4	45	VANUATU ISLANDS	
11	07	23	37.4	50.254	N	12.375	E	10	G			1.1	7	GERMANY. ML 2.5 (GRF).	
11	07	26	13.9	13.795	S	166.446	E	33	N	5.3		1.2	55	VANUATU ISLANDS	
11	07	43	31.57	18.67	N	108.22	W	10	G	4.2		1.4	14	REVILLA GIGEDO ISLANDS REGION	
11	08	01	44.5	39.425	N	24.158	E	10	G			0.7	10	AEGEAN SEA. ML 3.1 (ATH).	
11	08	02	25.5*	60.108	N	153.405	W	149					28	SOUTHERN ALASKA. <AGS-P>.	
11	08	33	57.0*	42.252	N	19.849	E	10	G			1.5	5	YUGOSLAVIA	
11	09	09	51.7*	13.930	S	166.283	E	33	N	4.3		0.8	8	VANUATU ISLANDS	
11	09	37	13.9	42.303	N	19.869	E	10	G			1.1	12	YUGOSLAVIA. MD 2.8 (TTG).	
11	09	52	05.3*	38.788	N	122.767	W	3	G				11	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).	
11	09	56	23.3*	59.405	N	151.949	W	50					32	KENAI PENINSULA, ALASKA. <AGS-P>.	
11	10	02	31.07	14.57	S	173.39	W	10	G	4.4		1.5	28	SAMOA ISLANDS REGION	
11	10	04	17.0*	28.111	N	140.686	E	33	N	5.3		1.2	9	BONIN ISLANDS REGION	
11	10	46	51.5	13.750	S	166.391	E	33	N	5.2	4.7	1.3	66	VANUATU ISLANDS	
11	11	00	55.0	13.775	S	166.351	E	33	N	4.9		1.3	41	VANUATU ISLANDS	
11	11	24	49.0	13.770	S	166.460	E	33	N	5.3		1.2	40	VANUATU ISLANDS	
o	11	12	31	14.2	13.810	S	166.434	E	33	N	5.3	5.2	1.3	67	VANUATU ISLANDS
11	13	30	28.0*	47.700	N	70.180	W	18	G				7	SOUTHERN QUEBEC. <OTT-P>. mbLg 4.0 (OTT). Felt in the La Malbaie area.	
11	13	50	12.8	7.179	S	129.449	E	128		5.1		1.2	73	BANDA SEA	
11	14	12	04.3	32.218	S	71.663	W	79	*			0.7	19	NEAR COAST OF CENTRAL CHILE	
11	14	15	25.77	32.64	S	179.39	W	33	N	4.6		1.6	7	SOUTH OF KERMADEC ISLANDS	
11	15	01	05.6	42.618	N	15.370	E	20		4.0		1.2	75	ADRIATIC SEA. ML 4.9 (TRI), 4.7 (KBA), 4.5 (TTG).	
11	15	37	08.5	42.334	N	19.923	E	4				1.1	25	YUGOSLAVIA. ML 3.2 (PVY).	
o	11	19	42	21.9	9.505	S	77.512	W	39	*	5.3		1.1	60	PERU. One person killed, about 20 houses destroyed, another 60 damaged and about 100 people homeless in the Huarmey area. About 40 animals killed by landslides. Felt (IV) at Cosma and Huaraz and (II) at Chimbote.
11	19	48	43.6	20.142	S	71.300	W	33	N	5.1		1.1	17	OFF COAST OF NORTHERN CHILE	
11	20	31	35.6*	11.198	S	123.145	E	71	?	4.3		1.3	10	SOUTH OF TIMOR	
11	21	54	54.7*	62.410	N	124.217	W	10	G			0.5	7	NORTHWEST TERRITORIES, CANADA	
11	22	59	47.1*	19.668	S	175.988	W	272	*	4.8		1.1	28	TONGA ISLANDS	
11	23	36	15.97	39.62	N	28.83	E	10	G			1.7	5	TURKEY	
12	00	00	56.97	43.29	N	16.39	E	10	G			1.3	5	YUGOSLAVIA. ML 2.9 (KBA).	
12	01	09	48.0*	24.281	S	68.080	W	165	*			1.0	10	CHILE-ARGENTINA BORDER REGION	
12	01	14	19.1*	42.662	N	15.595	E	10	G			1.4	10	ADRIATIC SEA. ML 3.3 (KBA).	
12	01	29	46.47	42.94	N	15.90	E	10	G			1.3	6	ADRIATIC SEA. ML 3.7 (KBA).	
12	01	44	00.37	43.08	N	16.04	E	10	G			1.4	7	YUGOSLAVIA. ML 3.3 (KBA).	
12	02	00	14.6	41.251	N	24.070	E	10	G			1.0	9	GREECE-BULGARIA BORDER REGION	
12	03	10	35.4*	43.202	N	20.929	E	10	G			0.6	6	YUGOSLAVIA	
12	04	00	26.77	68.32	N	163.26	W	15	G			1.7	5	ALASKA	
12	04	53	06.5	33.845	N	135.307	E	64		4.7		0.8	24	NEAR S. COAST OF SOUTHERN HONSHU. Felt (I JMA) at Wakayama and Shionomisaki.	
12	04	56	40.9*	27.143	S	63.364	W	572	*			0.9	15	SANTIAGO DEL ESTERO PROV., ARG.	
12	06	22	28.1*	28.164	N	140.382	E	33	N	4.8		1.5	9	BONIN ISLANDS REGION	
o	12	06	38	20.5	3.981	S	79.404	W	96		5.5		1.1	108	NEAR COAST OF ECUADOR. Felt (III) at Piura, Peru. Also felt at Palta, Peru.
12	07	13	18.2	1.392	S	121.093	E	33	N	4.8		0.9	27	SULAWESI	
12	09	41	48.4*	35.330	N	118.520	W	3					7	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS).	
12	09	54	20.0*	36.752	N	26.879	E	154	?	3.4		0.5	9	DODECANESE ISLANDS	
12	11	05	30.3	6.301	S	131.213	E	33	N	4.9		1.3	30	TANIMBAR ISLANDS REGION	
12	11	20	14.8*	37.323	N	121.713	W	6					13	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).	
12	12	59	16.87	9.84	S	78.28	W	33	N			1.2	6	NEAR COAST OF NORTHERN PERU. Felt (IV) at Huaraz.	
o	12	14	00	55.0*	36.011	S	102.215	W	10	G	5.1	4.7	1.1	37	SOUTHERN PACIFIC OCEAN
12	14	03	21.3	42.286	N	19.962	E	10	G			1.3	22	YUGOSLAVIA. MD 3.3 (TTG).	
12	14	44	06.57	43.58	N	14.94	E	10	G			1.4	7	ADRIATIC SEA. ML 3.3 (KBA).	
12	15	17	46.4*	31.804	S	68.185	W	10	G			1.7	6	SAN JUAN PROVINCE, ARGENTINA	
12	16	51	22.6*	17.976	N	101.966	W	33	N	5.1		1.4	43	NEAR COAST OF GUERRERO, MEXICO	
12	18	30	44.0	50.214	N	12.424	E	10	G			0.3	9	GERMANY. ML 2.4 (GRF).	
12	19	04	10.9*	41.704	N	19.398	E	10	G			1.2	11	ALBANIA. MD 2.6 (TTG).	
12	19	15	27.3*	20.913	S	68.890	W	33	N			1.4	5	CHILE-BOLIVIA BORDER REGION	
o	12	20	14	52.8	34.151	N	69.544	E	25	*	5.4	5.7	1.1	194	AFGHANISTAN. Felt strongly in the Kabul area. Felt at Peshawar, Pakistan.
12	21	04	24.1	46.042	N	13.321	E	10	G			1.0	34	AUSTRIA. MD 4.0 (KBA), 3.5 (TRI). ML 3.6 (FUR), 3.5 (LDG), 3.4 (VKA). Felt (V) at Kobarid, Yugoslavia. Felt (IV) in the Cividale del Friuli area and (III) at Udine, Italy.	
12	21	46	07.47	20.10	S	70.37	W	33	N			1.0	5	NEAR COAST OF NORTHERN CHILE	
12	21	46	50.07	46.44	N	153.09	E	33	N	4.3		1.4	6	KURIL ISLANDS	

12	22 38 58.2	42.350 N	19.883 E	10 G	1.4	6	YUGOSLAVIA. ML 2.6 (TTG).
12	23 43 17.1	48.554 N	155.279 E	33 N 4.8	0.9	41	KURIL ISLANDS
13	00 31 27.8	10.241 N	126.212 E	33 N 4.8	0.9	12	PHILIPPINE ISLANDS REGION
13	02 31 27.87	22.22 S	70.33 E	10 G 4.8	0.9	6	MID-INDIAN RISE
13	02 59 57.0	60.784 N	152.401 W	115		23	SOUTHERN ALASKA. <AGS-P>.
13	03 15 24.3	37.248 N	4.248 W	33 N	1.4	12	SPAIN. MG 3.5 (MDD).
13	03 34 15.2	10.511 N	86.238 W	33 N 4.6 4.4	1.3	24	OFF COAST OF COSTA RICA
13	05 29 33.87	20.26 S	71.27 W	33 N	0.2	5	OFF COAST OF NORTHERN CHILE
13	07 24 02.57	39.523 N	27.608 E	10 G	1.0	5	TURKEY
13	07 47 35.0	27.980 N	140.756 E	33 N 4.9	0.5	10	BONIN ISLANDS REGION
13	07 48 23.5	28.101 N	140.711 E	33 N 4.8	1.1	14	BONIN ISLANDS REGION
13	07 53 31.7	42.442 N	15.189 E	10 G	0.8	19	ADRIATIC SEA. MD 4.2 (TRI), ML 4.0 (KBA).
13	08 12 59.1	62.352 N	151.168 W	85		32	CENTRAL ALASKA. <AGS-P>.
13	08 30 01.4	7.173 S	120.425 E	580 ? 4.3	0.7	9	FLORES SEA
13	08 39 12.17	16.50 S	174.82 W	300 * 4.5	1.4	10	TONGA ISLANDS
13	08 39 38.7	5.716 S	154.126 E	33 N	1.9	5	SOLOMON ISLANDS
13	08 42 23.9	24.778 N	122.956 E	10 G 5.0	1.2	35	TAIWAN REGION
13	09 17 12.4	19.826 S	66.053 W	33 N	0.6	5	SOUTHERN BOLIVIA
13	09 27 38.7	24.703 N	122.919 E	10 G 4.8	0.4	8	TAIWAN REGION
13	10 47 50.8	31.298 S	69.179 W	110 D 4.5	1.0	23	SAN JUAN PROVINCE, ARGENTINA
13	11 57 18.8	23.475 N	123.894 E	23 D 5.2 5.2	1.3	81	SOUTHWESTERN RYUKYU ISLANDS
13	12 32 04.6	41.715 N	111.665 W	5		12	UTAH. <SLC>. ML 3.2 (SLC). Felt (IV) at Logon and (II) at Riverside.
13	12 36 22.0	5.747 S	153.644 E	33 N 3.8	0.3	5	NEW IRELAND REGION
13	12 41 17.47	9.92 S	160.41 E	33 N 3.5	0.6	4	SOLOMON ISLANDS. Felt (III) at Haniara.
13	12 50 38.87	46.39 N	12.84 E	10 G	1.4	4	NORTHERN ITALY. ML 2.1 (KBA).
13	13 48 04.7	41.244 N	19.486 E	26 D 4.8	1.4	84	ALBANIA. MD 4.3 (TTG).
13	17 42 40.1	4.957 S	153.531 E	39 D 5.1	1.0	69	NEW IRELAND REGION
13	19 22 47.17	20.32 S	71.23 W	33 N	1.9	6	OFF COAST OF NORTHERN CHILE
13	19 59 24.7	40.971 N	19.898 E	10 G 3.6	1.0	29	ALBANIA. MD 3.5 (TTG).
13	21 07 28.5	67.308 N	161.240 W	15 G	1.2	7	ALASKA. ML 3.1 (PMR).
13	22 09 53.1	37.661 N	22.467 E	77 * 4.0	1.0	34	SOUTHERN GREECE
13	22 58 24.6	14.175 N	88.707 E	10 G 4.9	1.0	18	BAY OF BENGAL
13	23 22 35.5	1.326 S	121.117 E	33 N 5.1	1.1	56	SULAWESI
13	23 30 33.4	44.345 N	147.785 E	33 N 4.7	0.8	19	KURIL ISLANDS
13	23 53 55.0	28.227 N	140.657 E	33 N 4.7	1.2	22	BONIN ISLANDS REGION
14	00 26 24.1	13.440 N	44.869 W	10 G 5.0 4.0	0.9	22	NORTH ATLANTIC RIDGE
14	00 28 24.87	13.92 N	44.56 W	10 G	0.7	7	NORTH ATLANTIC RIDGE
14	00 38 10.7	24.155 S	114.290 E	10 G	0.8	8	WESTERN AUSTRALIA
14	01 50 38.1	44.610 N	111.028 W	5 G	1.1	8	HEBGEN LAKE REGION. ML 2.9 (NEIS). Felt (II) at Madison Junction, Yellowstone National Park.
a 14	03 03 37.4	36.341 N	71.024 E	245 5.2	1.0	225	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog, Nurek, Dushanbe, Obigarm, Kulyab and Dzhirogatol and (II) at Samarkand and Tashkent, USSR. Also felt at Srinagar, Kashmir and in the Peshawar-Islamabad area, Pakistan.
14	03 07 54.9	36.563 N	121.203 W	7		20	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt in Monterey County.
14	03 09 36.3	36.572 N	121.205 W	7 5.0		46	CENTRAL CALIFORNIA. <BRK>. ML 4.7 (BRK). Ma=9.1*10**22 (BRK). Felt (IV) at Chualar, Colterville, Davenport, Greenfield, Hollister, Lockwood, Pacific Grove, Poicines, Redwood Estates, San Ardo, Salinas, San Juan Bautista, Santa Cruz and Soledad. Felt (III) at Aromas, Castroville, Felton, Half Moon Bay, King City, La Selva Beach, Moss Landing and Seaside.
14	04 51 30.1	42.288 N	19.933 E	10 G	1.2	18	YUGOSLAVIA. MD 3.2 (TTG).
14	05 07 08.3	14.904 N	119.786 E	47 * 4.9	1.4	30	LUZON, PHILIPPINE ISLANDS
14	05 35 47.9	36.568 N	121.202 W	6		16	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
14	05 45 13.8	34.384 N	24.504 E	33 N 4.6	1.3	10	CRETE
14	06 41 28.8	42.237 N	19.896 E	10 G	1.3	11	YUGOSLAVIA. MD 3.0 (TTG).
14	07 48 40.9	58.258 N	152.980 W	73		11	KODIAK ISLAND REGION. <AGS-P>.
14	08 20 13.9	60.222 N	152.294 W	81		35	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Homer.
14	10 25 44.8	32.705 S	72.029 W	33 N 4.3	1.2	21	OFF COAST OF CENTRAL CHILE. Felt (II) at Santiago.
14	10 33 51.0	6.431 S	154.949 E	66 5.2	1.1	80	SOLOMON ISLANDS. Felt (IV) at Arowa and Panguna, Bougainville.
14	10 34 00.8	7.144 S	155.182 E	33 N 5.6 4.7	1.1	30	SOLOMON ISLANDS
14	11 57 48.8	24.825 N	123.025 E	33 N 5.1	0.9	22	SOUTHWESTERN RYUKYU ISLANDS
14	12 03 36.5	40.110 N	29.380 E	10 G	0.2	7	TURKEY
14	13 13 17.2	18.620 S	64.055 W	33 N	1.0	9	BOLIVIA. Felt (V) at Sucre.
14	13 33 24.7	45.480 N	15.950 E	10 G	1.3	10	YUGOSLAVIA. ML 3.4 (KBA), 3.1 (TRI). Felt (V) at Glina.
14	14 13 54.4	32.709 S	71.734 W	33 N	1.3	11	NEAR COAST OF CENTRAL CHILE
14	14 31 20.2	24.251 S	67.303 W	189 *	0.8	8	CHILE-ARGENTINA BORDER REGION
14	16 03 52.0	14.402 S	75.552 W	58 4.6	0.8	30	NEAR COAST OF PERU. Felt (IV) at Ica and (III) at Nazca. Also felt at Palpa.
14	16 19 12.3	38.358 N	23.624 E	10 G	1.3	11	GREECE. ML 3.3 (ATH).
14	16 46 29.4	44.655 N	111.052 W	5 G	0.6	9	HEBGEN LAKE REGION. ML 3.2 (NEIS). Felt (II) at West Yellowstone, Montana.
14	18 02 56.8	38.307 N	23.502 E	10 G	1.4	8	GREECE. ML 3.2 (ATH).
14	18 12 58.1	60.710 N	143.155 W	22		15	SOUTHERN ALASKA. <AGS-P>.
14	18 56 30.6	24.783 N	122.955 E	36 * 5.1	1.0	27	TAIWAN REGION
14	19 05 06.4	24.823 N	122.976 E	33 N 5.1	0.9	32	TAIWAN REGION
14	19 41 05.6	52.578 N	175.094 W	159 4.8	0.9	37	ANDREANOF ISLANDS, ALEUTIAN IS.
14	20 26 24.8	32.047 S	71.488 W	33 N	0.7	12	NEAR COAST OF CENTRAL CHILE
14	22 27 46.6	7.912 N	78.298 W	33 N	1.4	5	PANAMA
14	22 54 36.3	36.148 N	141.080 E	33 N	0.7	10	NEAR EAST COAST OF HONSHU, JAPAN
14	23 14 37.8	23.418 S	66.704 W	219 4.8	1.5	60	JUJUY PROVINCE, ARGENTINA
14	23 26 28.4	29.266 S	67.491 W	33 N	1.2	7	LA RIOJA PROVINCE, ARGENTINA
15	00 55 22.6	36.851 N	2.978 W	33 N	1.0	5	STRAIT OF GIBRALTAR
15	01 08 33.3	66.505 N	149.889 W	10 G	0.1	5	ALASKA. ML 3.3 (PMR).
15	01 20 30.7	27.973 N	140.627 E	33 N 4.4	1.5	13	BONIN ISLANDS REGION
15	01 21 02.37	66.20 N	150.10 W	10 G	1.2	6	ALASKA. ML 3.3 (PMR).
15	01 40 18.3	46.191 N	12.453 E	9	0.4	10	NORTHERN ITALY. ML 2.8 (TRI), 2.6 (KBA).
15	01 44 13.5	46.356 N	2.744 E	10 G	1.0	12	FRANCE. ML 2.9 (LDG).

15	02 13 26.0*	38.375 N	23.841 E	10 G	0.1	7	GREECE. ML 2.9 (ATH).
15	04 29 53.2*	59.538 N	152.907 W	91		29	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Homer.
15	04 43 37.3	24.794 N	123.063 E	33 N 4.8	1.1	21	SOUTHWESTERN RYUKYU ISLANDS
15	05 49 49.9	38.389 N	23.885 E	7	1.2	13	GREECE. ML 3.4 (ATH).
15	06 05 43.2	38.344 N	23.857 E	23 4.3	0.9	29	GREECE. ML 4.4 (ATH). Felt at Oropos.
15	06 28 05.0*	66.312 N	149.712 W	10 G	1.0	6	ALASKA. ML 3.4 (PMR).
15	07 25 39.6*	66.574 N	149.876 W	10 G	0.9	7	ALASKA. ML 3.2 (PMR).
15	10 41 58.5*	61.836 N	124.785 W	10 G	1.5	5	NORTHWEST TERRITORIES, CANADA
15	11 37 35.1*	6.951 N	76.526 W	33 N 4.1	1.5	16	NORTHERN COLOMBIA
15	17 30 26.2	24.808 N	122.968 E	33 N 4.9 4.4	1.2	27	TAIWAN REGION
15	18 53 32.9*	42.46 N	14.13 E	10 G	1.0	7	CENTRAL ITALY. ML 3.5 (KBA).
15	19 50 51.8*	6.177 S	147.471 E	33 N	0.7	7	EAST PAPUA NEW GUINEA REGION
15	20 17 31.4	21.369 S	170.327 E	146 6.0	1.2	349	LOYALTY ISLANDS REGION
f 15	20 17 42.7*	21.277 S	170.102 E	150 G 6.2	1.2	30	LOYALTY ISLANDS REGION. mb 6.6 (PAS). Felt (IV) on Tana and (II) at Port Vila, Vanuatu Islands. Also felt (II) at Noumea, New Caledonia.
15	21 10 17.1*	44.625 N	110.920 W	5 G	0.5	7	YELLOWSTONE NATIONAL PARK, WYO. ML 2.8 (NEIS). Felt (II) at West Yellowstone, Montana.
15	21 22 40.5*	60.132 N	139.466 W	1		7	SOUTHEASTERN ALASKA. <AGS-P>.
15	21 27 33.4*	39.714 N	19.364 E	15 3.9	1.0	26	GREECE-ALBANIA BORDER REGION. ML 3.6 (TIR).
15	21 38 51.7*	43.651 N	2.659 E	10 G	0.1	5	FRANCE. ML 2.9 (LDG).
15	22 11 15.0*	34.99 S	114.22 E	10 G	0.9	7	WESTERN AUSTRALIA
15	22 19 16.8	43.520 N	2.908 E	10 G	1.2	23	FRANCE. ML 3.7 (LDG).
16	00 02 40.9*	24.753 N	122.815 E	33 N 4.6	1.1	13	TAIWAN REGION
16	00 52 05.9	40.131 N	25.066 E	23	1.3	24	AEGEAN SEA
16	00 55 06.3*	19.993 S	70.856 W	33 N 4.7	1.4	10	NEAR COAST OF NORTHERN CHILE
16	00 59 05.1*	60.684 N	4.123 E	10 G	0.3	5	SOUTHERN NORWAY. MD 2.2 (BER).
16	01 32 03.3*	44.13 N	13.02 E	10 G	0.9	9	ADRIATIC SEA. ML 3.6 (KBA).
16	01 42 32.4	19.830 S	70.599 W	33 N 4.8	1.2	29	NEAR COAST OF NORTHERN CHILE
16	02 01 58.4*	44.447 N	114.232 W	5 G	0.6	8	WESTERN IDAHO. ML 3.1 (NEIS).
16	02 10 37.3	40.015 N	19.482 E	16 3.9	1.1	23	ALBANIA. ML 3.8 (TIR).
16	04 23 38.5	38.360 N	23.980 E	10 G 3.8	1.3	24	GREECE. ML 3.7 (ATH).
16	04 53 16.6	42.328 N	19.878 E	10 G	0.9	9	YUGOSLAVIA. MD 2.6 (TTG).
a 16	05 08 32.4	5.936 N	126.074 E	83 5.4	1.3	125	MINDANAO, PHILIPPINE ISLANDS
16	05 40 40.0*	38.339 N	24.096 E	10 G	0.8	9	AEGEAN SEA. ML 3.1 (ATH).
16	06 15 41.0	42.350 N	19.984 E	11	0.5	9	YUGOSLAVIA. MD 2.8 (TTG).
16	07 03 20.9*	17.029 S	73.502 W	33 N 4.3	1.3	16	OFF COAST OF PERU
16	07 41 51.9*	27.973 N	141.060 E	33 N 4.9	1.1	10	BONIN ISLANDS REGION
16	07 52 10.2	42.395 N	19.845 E	10 G	1.1	7	YUGOSLAVIA. MD 2.6 (TTG).
a 16	08 34 43.7	29.802 N	138.662 E	436 5.2	0.9	195	SOUTH OF HONSHU, JAPAN
16	09 38 47.4*	38.428 N	122.645 W	5		8	NORTHERN CALIFORNIA. <BRK>. ML 2.8 (BRK). Felt (IV) at Santa Rosa.
16	10 26 09.8*	28.011 N	140.967 E	33 N 4.6	0.8	9	BONIN ISLANDS REGION
16	10 29 47.9*	44.593 N	111.075 W	5 G	1.6	9	HEBGEN LAKE REGION. ML 3.4 (NEIS). Felt (III) at Madison Junction, Yellowstone National Park.
16	10 32 55.3*	24.741 N	122.848 E	33 N 4.7	1.3	16	TAIWAN REGION. Felt on Taiwan.
16	11 06 27.4*	28.027 N	140.719 E	33 N 4.9	1.0	17	BONIN ISLANDS REGION
16	11 11 59.8	28.093 N	140.782 E	33 N 5.1	1.0	50	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
16	11 22 38.3*	28.224 N	140.587 E	33 N 4.7	1.4	20	BONIN ISLANDS REGION
16	11 35 37.4*	24.386 N	125.517 E	84 4.8	0.8	15	SOUTHWESTERN RYUKYU ISLANDS
16	12 19 50.5*	51.84 N	16.62 E	10 G	0.5	8	POLAND. ML 3.4 (VKA).
16	12 41 28.9*	45.55 N	7.57 E	10 G	1.4	6	NORTHERN ITALY
16	12 50 03.3*	27.987 N	140.896 E	33 N 5.1	0.9	9	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
a 16	13 04 31.3	24.771 N	122.013 E	13 5.5 5.8	1.2	170	TAIWAN REGION. Four people injured on Taiwan. Felt strongly at Taipei.
a 16	14 00 07.5*	4.167 S	104.475 W	10 G 4.7 4.9	1.5	37	NORTHERN EASTER I. CORDILLERA
16	14 28 16.1*	28.076 N	140.884 E	33 N 5.3	1.1	22	BONIN ISLANDS REGION
16	14 36 36.1*	61.489 N	146.537 W	28		44	SOUTHERN ALASKA. <AGS-P>. ML 4.0 (PMR). Felt (IV) at Valdez. Also felt at Anchorage, Cordova and Palmer.
16	14 40 33.7*	62.220 N	123.572 W	10 G 4.1	1.4	7	NORTHWEST TERRITORIES, CANADA
16	14 42 01.7	28.121 N	140.741 E	33 N 4.8 4.6	0.8	37	BONIN ISLANDS REGION
16	15 24 29.5*	39.186 N	26.586 E	10 G	1.4	7	TURKEY
16	15 43 46.4*	61.689 N	150.762 W	63		27	SOUTHERN ALASKA. <AGS-P>.
a 16	15 45 06.7	13.685 N	120.822 E	223 5.2	1.0	155	MINDORO, PHILIPPINE ISLANDS. Felt (III RF) at Puerto Galera. Also felt (III RF) at Bagac, Luzon.
16	16 12 25.5*	27.96 N	140.85 E	33 N	0.1	6	BONIN ISLANDS REGION
16	17 27 24.0	27.933 N	140.742 E	33 N 4.9	1.0	22	BONIN ISLANDS REGION
16	18 34 15.4*	42.359 N	15.113 E	10 G	0.7	10	ADRIATIC SEA. MD 3.9 (TRI).
16	18 45 33.9	25.065 N	124.983 E	34 * 4.5	0.9	13	NORTHEAST OF TAIWAN
16	18 53 06.5*	28.101 N	140.860 E	33 N	1.2	15	BONIN ISLANDS REGION
16	19 05 22.0*	40.447 N	124.588 W	18		5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
16	20 49 27.8*	6.136 S	147.886 E	33 N 3.2	1.4	7	EAST PAPUA NEW GUINEA REGION
16	20 50 45.1	24.658 N	123.109 E	18 4.6	1.0	17	SOUTHWESTERN RYUKYU ISLANDS
a 16	23 07 33.9	17.541 S	178.905 W	479 5.0	1.2	115	FIJI ISLANDS REGION
16	23 33 32.5*	25.224 N	124.968 E	33 N 4.8	1.4	23	NORTHEAST OF TAIWAN
16	23 52 24.6*	43.96 N	15.69 E	10 G	1.5	7	ADRIATIC SEA. ML 2.8 (KBA). Felt (V) at Knin, Yugoslavia.
17	00 09 52.6	25.161 N	124.942 E	27 4.7	1.0	21	NORTHEAST OF TAIWAN
17	00 15 33.6*	7.323 N	77.354 W	33 N 4.5	1.3	9	PANAMA-COLOMBIA BORDER REGION
17	00 17 20.7*	41.38 N	13.77 E	10 G	1.1	7	SOUTHERN ITALY
17	00 23 02.2*	23.79 N	126.94 E	33 N 4.7	1.5	9	RYUKYU ISLANDS REGION. Felt (I JMA) on Miyoko-jima.
17	01 03 11.2	42.327 N	19.997 E	10 G	0.6	7	YUGOSLAVIA. ML 2.6 (TTG).
17	01 03 15.3*	61.494 N	146.518 W	30		34	SOUTHERN ALASKA. <AGS-P>.
17	01 31 04.0*	25.161 N	125.007 E	33 N 4.7	1.1	9	SOUTHWESTERN RYUKYU ISLANDS
17	02 11 52.0	38.560 N	31.405 E	37 4.8	0.9	40	TURKEY
17	03 10 29.7	43.555 N	2.494 E	10 G	0.7	8	FRANCE. ML 3.0 (LDG).
17	04 08 30.3*	24.323 S	67.230 W	208 *	0.3	6	CHILE-ARGENTINA BORDER REGION
17	04 15 00.3	10.729 S	78.434 W	52 D 5.5	1.0	114	NEAR COAST OF PERU. Felt (IV) at Huarmey, Chimbote and Huaraz. Felt (II) at Lima.
17	04 45 19.2	10.290 N	138.583 E	45 * 4.5	1.0	27	WEST CAROLINE ISLANDS
17	05 01 03.2	51.285 N	15.677 E	10 G	1.4	10	POLAND. ML 3.3 (VKA).
17	05 31 30.0*	22.933 N	94.520 E	57 * 4.7	0.9	10	BURMA
17	05 59 05.3*	67.87 N	156.25 W	33 N	0.7	6	ALASKA. ML 3.4 (PMR).

17	07 05 31.0	46.095 N	6.816 E	10 G	1.0	39	SWITZERLAND. ML 3.4 (LDG). 3.3 (KBA).
a 17	07 19 20.2	24.009 S	175.844 W	33 N 5.2	1.4	46	SOUTH OF TONGA ISLANDS
17	07 53 45.7	3.342 N	122.795 E	543 4.9	0.9	31	CELEBES SEA
17	08 12 06.3	28.362 N	140.534 E	33 N	0.7	6	BONIN ISLANDS REGION
17	08 48 54.1	5.505 S	140.853 E	33 N	1.5	6	NEW BRITAIN REGION
17	09 51 26.6	24.074 S	70.476 W	33 N 4.6	1.2	15	NEAR COAST OF NORTHERN CHILE
17	10 38 03.5	47.459 N	2.842 W	10 G	0.8	16	FRANCE. ML 2.9 (LDG).
17	10 39 07.2	39.336 N	21.023 E	10 G 3.7	0.6	11	GREECE. ML 3.5 (TIR).
17	11 33 23.8	16.552 S	176.684 E	33 N 4.0	0.6	9	FIJI ISLANDS REGION
17	11 34 59.1	40.147 N	24.068 E	10 G	0.7	10	AEGEAN SEA
17	12 07 30.7	28.041 N	140.890 E	33 N 5.2	1.0	31	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shimo.
17	13 32 45.1	27.779 N	140.989 E	33 N	0.8	7	BONIN ISLANDS REGION
17	13 40 10.8	31.360 S	69.252 W	121 4.8	0.9	20	SAN JUAN PROVINCE, ARGENTINA. Felt (IV) at San Juan.
17	13 56 20.1	32.330 N	141.653 E	33 N 4.4	0.4	10	SOUTH OF HONSHU, JAPAN
17	14 09 18.3	16.520 S	73.860 W	33 N 4.7	1.0	17	NEAR COAST OF PERU
17	14 15 40.0	23.56 S	176.06 W	126 ? 4.6	0.9	13	SOUTH OF FIJI ISLANDS
17	15 45 55.1	60.441 N	149.621 W	10 G	0.7	5	ALASKA. ML 3.1 (PMR).
17	16 08 33.2	27.944 N	140.908 E	33 N 4.8	1.3	20	BONIN ISLANDS REGION
17	16 16 46.4	25.167 N	124.873 E	33 N 4.6	1.3	11	NORTHEAST OF TAIWAN
17	17 11 00.5	27.940 N	140.846 E	33 N 4.8	1.2	16	BONIN ISLANDS REGION
17	17 21 25.8	28.285 S	178.337 W	226 * 4.7	1.2	27	KERMADEC ISLANDS REGION
17	17 33 59.6	5.001 S	152.741 E	33 N 4.2	1.2	6	NEW BRITAIN REGION
17	17 49 04.7	50.68 N	18.89 E	10 G	0.7	5	POLAND. ML 2.8 (KRA).
17	17 52 01.6	36.167 N	120.243 W	6	17	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK), 3.4 (PAS).	
17	18 48 02.8	44.353 N	7.385 E	10 G	0.4	16	NORTHERN ITALY. ML 3.0 (LDG).
17	19 13 54.0	50.991 N	156.053 E	33 N 4.7	0.8	33	KURIL ISLANDS
17	20 27 18.8	44.279 N	6.325 E	12	1.3	45	FRANCE. ML 3.4 (LDG).
17	20 32 12.5	42.301 N	19.939 E	10 G	0.7	12	YUGOSLAVIA. MD 2.9 (TTG).
17	21 12 42.6	30.64 S	72.47 W	33 N	1.1	6	OFF COAST OF CENTRAL CHILE
17	21 36 37.8	28.370 N	140.730 E	33 N 4.2	1.4	16	BONIN ISLANDS REGION
17	21 58 38.0	37.522 N	118.634 W	5 G	0.8	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (PAS).
17	22 09 59.5	57.52 S	61.61 W	10 G 4.4	0.8	8	DRAKE PASSAGE
17	22 47 50.0	5.522 S	102.750 E	33 N 4.7	1.0	10	SOUTHERN SUMATERA
17	22 51 27.5	48.981 S	9.010 W	10 G 4.7 4.6	0.9	15	SOUTH ATLANTIC RIDGE
17	22 54 32.2	42.345 N	19.957 E	10 G	1.2	12	YUGOSLAVIA. MD 2.9 (TTG).
18	00 22 50.0	41.776 N	14.245 E	10 G	1.5	7	SOUTHERN ITALY. ML 3.3 (KBA).
18	00 26 28.0	60.068 N	141.368 W	7	12	SOUTHEASTERN ALASKA. <AGS-P>.	
18	01 10 10.1	60.291 N	153.043 W	128	29	SOUTHERN ALASKA. <AGS-P>.	
18	01 30 22.2	15.991 N	61.896 W	33 N	0.5	6	LEEWARD ISLANDS. ML 2.3 (FDF).
a 18	01 59 01.6	51.553 N	173.109 W	33 N 5.8 5.3	0.9	306	ANDREANOF ISLANDS, ALEUTIAN IS.
18	04 36 29.3	61.542 N	150.996 W	75	40	SOUTHERN ALASKA. <AGS-P>. Felt at Anchorage.	
18	05 03 59.7	42.269 N	19.946 E	10 G	0.8	10	YUGOSLAVIA. MD 2.8 (ULC).
18	05 05 35.5	61.545 N	151.023 W	75	32	SOUTHERN ALASKA. <AGS-P>.	
18	05 56 28.5	37.58 N	139.09 E	33 N	1.6	6	HONSHU, JAPAN
18	06 57 28.3	37.438 N	118.616 W	5 G	0.7	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (PAS).
18	07 30 57.2	41.651 N	19.321 E	9	1.1	19	ALBANIA. MD 3.2 (TTG).
18	07 44 49.8	21.092 N	95.603 E	33 N 5.1	1.2	97	BURMA
18	07 56 23.4	15.475 S	167.472 E	147 5.2	1.2	125	VANUATU ISLANDS
18	08 32 44.4	41.496 N	14.188 E	10 G	1.0	25	SOUTHERN ITALY. ML 3.7 (KBA).
18	09 33 24.6	18.141 S	69.443 W	141 *	1.5	10	NORTHERN CHILE
18	10 17 29.1	37.268 N	121.619 W	5 G	0.6	13	CENTRAL CALIFORNIA. ML 2.7 (BRK).
18	10 24 31.9	60.154 N	153.209 W	137	24	SOUTHERN ALASKA. <AGS-P>.	
18	13 43 41.3	46.398 N	27.546 W	10 G 4.2	1.2	23	NORTH ATLANTIC RIDGE
18	15 44 00.5	1.29 S	121.22 E	33 N 4.6	0.5	10	SULAWESI
18	16 28 20.2	5.53 N	95.44 E	33 N 4.3	1.1	8	NORTHERN SUMATERA
18	16 29 32.8	42.347 N	20.026 E	10 G	0.6	10	YUGOSLAVIA. MD 2.7 (TTG).
18	16 49 13.5	42.347 N	20.028 E	17 G	0.5	10	YUGOSLAVIA. MD 2.6 (TTG).
18	16 49 38.4	14.747 S	167.191 E	247 * 4.1	1.4	24	VANUATU ISLANDS
18	17 58 08.9	18.346 N	101.241 W	33 N 4.9	0.8	58	GUERRERO, MEXICO
18	18 36 10.2	40.308 N	28.806 E	10 G	0.8	8	TURKEY
18	20 38 42.4	36.260 N	120.240 W	6 G	9	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).	
18	21 37 12.8	0.428 S	123.258 E	33 N 4.6	0.4	10	MINAHASSA PENINSULA
18	22 17 55.0	36.271 N	70.918 E	33 N 4.1	1.3	9	HINDU KUSH REGION
18	22 46 25.8	14.688 N	60.784 W	33 N	0.7	7	WINDWARD ISLANDS. ML 2.8 (FDF).
18	23 11 36.4	31.280 S	67.667 W	33 N	1.3	5	SAN JUAN PROVINCE, ARGENTINA
19	00 16 54.2	4.475 S	152.813 E	33 N 3.7	0.4	7	NEW BRITAIN REGION
19	02 03 14.5	42.313 N	19.929 E	10 G	0.7	11	YUGOSLAVIA. MD 2.7 (TTG).
19	04 15 12.6	61.053 N	152.205 W	107	28	SOUTHERN ALASKA. <AGS-P>.	
19	04 49 33.1	6.024 N	95.351 E	33 N 4.6	1.1	17	NICOBAR ISLANDS REGION. Felt in the Sabang area, Indonesia.
19	05 11 08.0	3.894 N	32.120 W	10 G 4.9 4.7	1.2	31	CENTRAL MID-ATLANTIC RIDGE
19	05 40 24.3	5.817 N	95.051 E	33 N 4.4	1.3	10	NORTHERN SUMATERA
19	06 29 56.0	25.051 N	125.045 E	33 N 4.9	1.2	18	SOUTHWESTERN RYUKYU ISLANDS
19	06 35 51.0	26.888 N	142.917 E	33 N 5.3	1.1	124	BONIN ISLANDS REGION. Felt (II JMA) on Chichi-shimo.
19	06 53 04.1	21.00 N	85.17 E	33 N 4.4	1.5	8	INDIA
19	06 54 36.4	46.172 N	7.638 E	10 G	0.8	26	SWITZERLAND. ML 3.1 (LDG).
19	07 25 57.4	46.130 N	7.636 E	10	0.8	16	SWITZERLAND. ML 2.7 (LDG).
a 19	08 03 26.6	0.555 N	80.041 W	33 N 5.0 4.5	1.2	72	NEAR COAST OF ECUADOR
19	09 24 33.9	61.710 N	149.565 W	48	39	SOUTHERN ALASKA. <AGS-P>. ML 3.0 (PMR).	
19	10 11 47.1	59.729 N	152.308 W	63	45	SOUTHERN ALASKA. <AGS-P>. Felt at Homer.	
19	11 28 01.6	14.81 N	93.90 W	33 N 4.1	1.2	12	NEAR COAST OF CHIAPAS, MEXICO
19	13 17 32.9	5.92 S	142.88 E	33 N 4.0	1.8	5	PAPUA NEW GUINEA
19	14 45 47.2	30.810 N	70.458 E	33 N 4.9	1.3	46	PAKISTAN
19	17 48 29.2	28.205 N	140.562 E	33 N 4.5	1.5	20	BONIN ISLANDS REGION
19	18 20 09.9	6.62 S	129.75 E	33 N 4.5	1.5	7	BANDA SEA
19	18 40 54.9	42.318 N	19.945 E	10 G	0.5	10	YUGOSLAVIA. MD 2.6 (TTG).
19	19 35 00.1	32.550 N	114.100 W	0	2	W. ARIZ. - MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).	
19	20 11 13.9	36.291 N	2.853 E	28	0.8	18	ALGERIA. MG 4.0 (MOD). Felt (III) at Blida.
19	21 26 04.6	40.850 N	28.687 E	10 G	0.2	6	TURKEY
19	21 41 04.1	44.44 N	15.81 E	10 G	0.9	6	YUGOSLAVIA. MD 3.1 (TRI). ML 2.9 (KBA).
19	21 52 03.4	15.955 N	60.590 W	27	0.3	12	LEEWARD ISLANDS. ML 3.1 (FDF).
19	22 16 43.7	31.25 S	68.48 W	33 N	1.5	5	SAN JUAN PROVINCE, ARGENTINA
19	22 25 56.9	31.305 N	141.550 E	33 N 4.8	1.2	28	SOUTH OF HONSHU, JAPAN

20	00 44 07.3?	3.53 S	128.92 E	33 N	4.9	1.3	8	CERAM
20	03 39 06.5*	28.115 N	140.630 E	33 N	4.8	1.6	23	BONIN ISLANDS REGION
20	03 41 43.6*	6.956 N	73.062 W	160 *		1.2	11	NORTHERN COLOMBIA
20	04 10 34.4	42.326 N	20.050 E	10 G		1.3	13	YUGOSLAVIA. MD 2.9 (TTG).
20	04 21 57.3*	41.687 N	19.433 E	10 G		1.4	7	ALBANIA. MD 2.4 (ULC).
20	04 31 34.5?	16.23 S	176.67 W	33 N		0.9	7	FIJI ISLANDS REGION
20	06 27 36.2	10.366 S	161.255 E	108 *	5.0	1.3	38	SOLOMON ISLANDS
20	07 19 22.9*	14.408 S	24.571 E	10 G	4.6	1.4	8	ZAMBIA
20	07 46 13.1*	32.360 S	122.521 E	10 G		1.1	10	WESTERN AUSTRALIA
20	08 20 41.4*	17.905 S	167.837 E	21 *	4.9 4.2	1.4	39	VANUATU ISLANDS
20	10 02 04.8*	38.228 N	30.850 E	10 G		1.1	5	TURKEY
20	10 16 40.6*	32.153 S	122.200 E	10 G		1.4	7	WESTERN AUSTRALIA
20	13 38 41.8	28.223 N	140.568 E	33 N	4.7	1.1	18	BONIN ISLANDS REGION
20	14 32 52.0*	31.248 N	142.832 E	33 N	4.3	1.2	11	SOUTH OF HONSHU, JAPAN
20	14 38 13.8	31.396 N	141.652 E	33 N	4.4	0.6	15	SOUTH OF HONSHU, JAPAN
20	14 54 51.1*	18.895 S	21.956 E	10 G	4.4	1.5	9	BOTSWANA REPUBLIC
20	16 29 23.6*	57.983 N	153.853 W	34			32	KODIAK ISLAND REGION. <AGS-P>.
20	16 54 22.8?	33.30 S	70.82 W	33 N		0.7	6	CHILE-ARGENTINA BORDER REGION. Felt (II) at Santiago, Chile.
20	19 28 20.8*	24.825 N	122.720 E	33 N	4.5	1.5	13	TAIWAN REGION
20	20 19 56.2	45.630 N	2.828 E	10 G		0.7	12	FRANCE. ML 2.2 (LDG).
20	20 39 19.0*	61.738 N	147.329 W	28			43	SOUTHERN ALASKA. <AGS-P>. ML 2.9 (PMR).
20	21 09 21.9*	24.815 N	122.937 E	33 N	4.5	0.8	9	TAIWAN REGION
20	22 01 15.3	24.812 N	122.853 E	33 N	4.7	1.3	26	TAIWAN REGION
20	23 38 28.3	50.177 N	12.311 E	10 G	4.3	1.2	78	GERMANY. ML 5.0 (FUR), 4.9 (VKA), 4.8 (GRF), 4.8 (BGG), 4.6 (KOE). Slight damage (VI) at Selb. Felt (III) at Bamberg, Nuernberg and Regensburg. Felt (VI) in western Czechoslovakia.
20	23 43 59.0	50.261 N	12.414 E	10		0.3	9	GERMANY. ML 3.4 (VKA), 3.3 (FUR), 3.2 (KBA).
21	00 10 39.5	50.218 N	12.433 E	10 G		0.2	8	GERMANY. ML 2.5 (FUR), 2.4 (GRF).
21	00 12 06.3	50.264 N	12.418 E	10 G		0.2	6	GERMANY
21	00 19 23.3	50.279 N	12.404 E	10 G		0.3	6	GERMANY. ML 2.0 (GRF).
21	00 29 42.6*	50.228 N	12.431 E	10 G		0.5	5	GERMANY
21	00 54 19.9*	32.050 N	116.370 W	6 G			7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
21	01 04 27.6?	38.46 N	30.82 E	10 G		1.5	5	TURKEY
21	01 05 10.0	50.253 N	12.437 E	10 G		0.3	6	GERMANY
21	01 14 51.2	50.265 N	12.421 E	10 G		0.7	6	GERMANY
21	02 14 20.2	50.226 N	12.464 E	10 G		0.6	9	GERMANY. ML 2.9 (FUR), 2.5 (GRF), 3.3 (KBA), 3.4 (VKA).
21	02 24 51.9	50.252 N	12.425 E	10 G		0.2	8	GERMANY. ML 2.5 (FUR).
21	02 28 17.4	50.270 N	12.401 E	10 G		0.2	6	GERMANY
21	02 43 50.6*	50.254 N	12.413 E	10 G		0.2	5	GERMANY
21	03 06 43.3*	28.176 N	140.497 E	33 N	4.9	1.1	10	BONIN ISLANDS REGION
21	03 14 11.4	50.285 N	12.398 E	10 G		0.6	6	GERMANY
21	03 22 43.4	38.304 N	23.773 E	10 G	4.0	1.1	43	GREECE. Felt in the Athens area.
21	03 39 39.1	50.257 N	12.427 E	10 G		0.2	8	GERMANY. ML 3.1 (FUR).
21	03 40 21.9*	15.398 N	60.695 W	29		0.2	12	LEEWARD ISLANDS. ML 3.4 (FDF).
21	05 00 22.7	50.255 N	12.402 E	10 G		0.5	8	GERMANY. ML 2.0 (GRF).
21	05 05 20.4	50.267 N	12.412 E	10 G		0.2	6	GERMANY. ML 2.2 (GRF).
21	05 24 22.2	21.580 S	174.261 W	40 D	5.6 5.2	1.3	135	TONGA ISLANDS
21	05 40 43.7	50.234 N	12.433 E	10 G		0.3	6	GERMANY
21	05 41 19.7	50.259 N	12.433 E	10 G		0.6	10	GERMANY. ML 3.1 (FUR), 3.0 (GRF), 3.2 (KBA), 3.4 (VKA).
21	05 46 26.4?	36.90 N	23.39 E	87 ?	4.0	1.2	11	SOUTHERN GREECE
21	09 29 26.9*	28.230 N	140.657 E	33 N	4.6	1.0	7	BONIN ISLANDS REGION
21	09 34 07.2*	3.637 N	126.628 E	74 ?	4.8	1.2	29	TALAUD ISLANDS
21	09 48 31.3*	50.262 N	12.403 E	10 G		0.2	5	GERMANY
21	09 48 43.9	50.271 N	12.389 E	10 G		0.5	6	GERMANY
21	10 05 38.1*	24.546 N	122.642 E	33 N	4.5	0.9	9	TAIWAN REGION
21	11 57 31.3*	40.437 N	125.265 W	10			16	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK).
21	12 10 33.1*	40.113 N	29.314 E	10 G		0.6	7	TURKEY
21	12 21 05.1	50.240 N	12.438 E	10 G		0.4	6	GERMANY. ML 2.0 (GRF).
21	12 36 11.6*	40.082 N	29.313 E	10 G		0.6	7	TURKEY
21	15 12 41.6*	61.526 N	152.403 W	130			16	SOUTHERN ALASKA. <AGS-P>.
21	15 51 45.6*	62.241 N	124.399 W	10 G	3.6	1.2	9	NORTHWEST TERRITORIES, CANADA
21	16 17 33.6*	37.270 N	121.637 W	4			11	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
21	17 39 43.0	16.263 S	173.377 W	48 D	4.9	0.9	40	TONGA ISLANDS
21	17 41 22.2*	44.280 N	6.209 E	10 G		0.7	5	FRANCE. ML 2.6 (LDG).
21	18 14 48.3	42.404 N	18.898 E	10 G		1.4	6	YUGOSLAVIA. MD 2.5 (TTG).
21	18 22 30.9?	29.65 S	71.62 W	33 N		1.3	12	NEAR COAST OF CENTRAL CHILE
21	18 31 23.2*	61.277 N	151.471 W	78			23	SOUTHERN ALASKA. <AGS-P>.
21	19 04 05.5	50.250 N	12.403 E	10 G		0.5	6	GERMANY
21	19 12 29.8*	4.592 S	144.069 E	136 *	3.8	1.0	8	NEAR N COAST OF PAPUA NEW GUINEA
21	19 23 08.7?	23.95 S	176.07 W	33 N	4.7	0.6	10	SOUTH OF FIJI ISLANDS
21	20 07 30.8*	38.543 N	122.995 W	1			9	NORTHERN CALIFORNIA. <BRK>. ML 2.4 (BRK). Bottles reported to have been knocked from shelves at Guerneville liquor store.
21	20 22 00.4	50.321 N	12.408 E	29		0.7	13	GERMANY. ML 3.6 (FUR), 2.8 (GRF), 3.7 (VKA), 3.5 (KBA).
21	21 22 23.3*	42.245 N	19.990 E	10 G	4.9	1.3	6	YUGOSLAVIA. ML 2.9 (TIR).
21	22 10 05.7?	51.67 N	20.77 E	10 G		0.5	5	POLAND. ML 2.6 (KRA).
21	22 24 08.4	50.267 N	12.407 E	10 G		0.1	6	GERMANY
21	22 25 07.0	50.250 N	12.434 E	10 G		0.2	8	GERMANY. ML 1.9 (GRF), 2.6 (KBA).
21	23 47 30.5*	0.185 S	78.098 W	33 N		1.2	5	ECUADOR
22	00 00 34.8	50.212 N	12.432 E	10 G		0.5	8	GERMANY. ML 2.1 (GRF).
22	00 11 09.3*	50.258 N	12.424 E	10 G		0.3	5	GERMANY
22	00 26 15.2	48.737 N	7.915 E	10 G		0.6	6	FRANCE. ML 2.3 (LDG).
22	00 42 39.6	50.246 N	12.428 E	10 G		0.3	7	GERMANY. ML 2.4 (FUR), 2.0 (GRF).
22	00 45 42.1	40.243 N	22.596 E	10 G		0.3	6	GREECE
22	00 55 27.0?	50.27 N	12.40 E	10 G		0.4	4	GERMANY
22	02 01 16.2*	30.205 N	66.314 E	33 N	4.4	1.4	18	PAKISTAN
22	02 24 05.1*	14.999 N	60.343 W	33 N		0.7	11	WINDWARD ISLANDS. ML 2.5 (FDF).
22	02 43 56.7	31.430 S	68.842 W	116	4.5	0.8	28	SAN JUAN PROVINCE, ARGENTINA. Felt (III) at San Juan.
22	02 57 20.4*	50.163 N	12.518 E	10 G		1.3	5	GERMANY
22	03 01 32.6?	3.56 N	66.52 E	10 G	4.7	1.5	10	CARLSBERG RIDGE
22	03 21 38.3*	14.534 S	24.479 E	10 G	4.3	1.5	8	ZAMBIA

22	03	25	45.57	29.47	S	71.41	W	33	N	1.1	6	NEAR COAST OF CENTRAL CHILE
22	03	43	53.8	28.385	N	140.597	E	10	G	4.7	1.3	29 BONIN ISLANDS REGION
22	07	32	01.0	13.622	S	73.047	W	57	*	4.5	1.6	14 PERU
22	07	58	41.2	35.690	N	68.715	E	33	N	4.2	1.2	12 HINDU KUSH REGION
22	08	07	45.07	70.92	N	0.84	E	10	G		1.5	8 NORWEGIAN SEA
22	10	12	53.0	13.866	S	73.216	W	99	*	4.0	1.0	15 PERU. Felt (III) at Abancay.
22	10	20	37.5	13.998	S	73.388	W	118	?		0.9	9 PERU. Felt (II) at Abancay.
22	10	29	35.1	50.246	N	12.426	E	10	G		0.3	7 GERMANY. ML 2.3 (GRF).
22	11	50	24.5	44.642	N	130.872	W	10	G	4.5	1.1	14 OFF COAST OF OREGON
22	12	09	53.27	15.68	N	95.01	W	33	N	4.2	1.4	15 NEAR COAST OF OAXACA, MEXICO
f 22	12	26	45.4	10.199	S	161.006	E	95		6.0	1.0	281 SOLOMON ISLANDS. Felt at Maniara.
22	13	11	47.3	59.830	N	150.905	W	26				19 KENAI PENINSULA, ALASKA. <AGS-P>.
22	13	19	56.3	36.437	N	3.229	W	10	G		0.8	10 STRAIT OF GIBRALTAR. MG 3.5 (MDD).
22	13	53	13.7	46.153	N	7.543	E	10	G		1.4	18 SWITZERLAND. ML 2.8 (LDG).
22	14	18	34.97	50.27	N	12.40	E	10	G		0.2	4 GERMANY
a 22	14	57	13.0	0.467	S	124.366	E	59	D	5.7	1.2	204 MOLUCCA SEA
22	15	09	49.1	62.869	N	148.347	W	59				20 CENTRAL ALASKA. <AGS-P>.
22	15	41	00.47	40.812	N	27.926	E	10	G		0.6	8 TURKEY
22	15	48	39.9	41.817	N	22.215	E	10	G		0.3	5 YUGOSLAVIA
22	16	26	53.9	33.690	N	119.130	W	6				12 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS).
22	16	57	45.6	12.669	N	144.096	E	33	N		0.3	5 SOUTH OF MARIANA ISLANDS
22	17	32	53.0	12.649	N	144.252	E	33	N	4.8	1.3	13 SOUTH OF MARIANA ISLANDS
22	19	37	36.9	42.331	N	19.981	E	10	G		0.7	7 YUGOSLAVIA. MD 2.6 (TTG).
22	20	10	31.6	12.749	N	144.013	E	33	N	3.9	0.5	6 SOUTH OF MARIANA ISLANDS
22	20	27	17.77	38.79	N	23.95	E	10	G		0.2	5 GREECE
22	20	38	24.1	28.068	N	140.501	E	33	N	4.5	1.2	16 BONIN ISLANDS REGION
22	20	47	05.9	15.956	S	179.609	E	13		5.3	1.4	22 FIJI ISLANDS
22	21	12	53.9	40.538	N	23.530	E	10	G		0.4	10 GREECE
22	21	21	32.9	59.875	N	153.484	W	127				20 SOUTHERN ALASKA. <AGS-P>.
22	21	35	53.9	42.327	N	19.989	E	10	G		0.5	8 YUGOSLAVIA. MD 2.7 (TTG).
23	00	48	44.4	36.582	N	121.200	W	5	G		0.9	15 CENTRAL CALIFORNIA. ML 2.7 (BRK).
23	02	21	58.1	50.213	N	12.396	E	25			1.0	41 GERMANY. ML 4.5 (FUR), 4.2 (GRF), 4.3 (KBA), 4.7 (VKA), 4.1 (BNS). Felt (IV) at Selb and Rehau.
23	02	30	52.6	50.241	N	12.433	E	10	G		0.3	6 GERMANY. ML 2.2 (GRF).
23	02	35	53.3	14.965	N	93.521	E	33	N	4.5	0.9	11 ANDAMAN ISLANDS REGION
23	02	38	45.6	50.251	N	12.418	E	10	G		0.2	6 GERMANY
23	02	47	17.5	50.284	N	12.403	E	10	G		0.2	5 GERMANY
23	03	23	05.9	50.266	N	12.398	E	10	G		0.5	5 GERMANY
23	03	36	05.7	50.252	N	12.431	E	10	G		0.3	8 GERMANY
23	04	28	29.8	37.436	N	26.662	E	33	N		0.7	11 DODECANESE ISLANDS. ML 3.9 (ATH).
23	04	30	59.3	31.468	S	68.203	W	10	*		0.5	7 SAN JUAN PROVINCE, ARGENTINA
23	04	45	54.8	13.179	N	144.042	E	33	N	4.9	1.5	7 MARIANA ISLANDS
23	05	51	03.07	12.78	N	122.26	E	33	N	5.0	1.0	9 LUZON, PHILIPPINE ISLANDS
23	05	57	16.3	15.009	S	167.426	E	132	?	4.4	1.0	9 VANUATU ISLANDS
23	07	09	13.8	50.196	N	12.431	E	10	G		1.0	6 GERMANY
23	08	16	03.3	52.298	N	160.310	E	33	N	4.8	1.1	16 OFF EAST COAST OF KAMCHATKA
23	09	39	30.8	62.403	N	151.493	W	104				25 CENTRAL ALASKA. <AGS-P>.
23	10	21	33.5	42.354	N	19.993	E	10	G		0.8	7 YUGOSLAVIA. ML 2.4 (TTG).
23	12	04	58.7	41.763	N	19.531	E	10	G		1.1	7 ALBANIA. ML 2.5 (TTG).
23	12	59	15.8	62.026	N	150.660	W	56				30 CENTRAL ALASKA. <AGS-P>.
23	13	15	29.1	62.266	N	148.301	W	64				28 CENTRAL ALASKA. <AGS-P>.
23	13	36	10.0	29.621	N	98.677	E	33	N	4.5	1.1	22 TIBET
23	13	53	56.6	52.476	N	160.260	E	33	N	5.0	1.0	19 OFF EAST COAST OF KAMCHATKA
23	14	33	57.4	43.500	N	71.568	W	5				3 NORTHERN NEW ENGLAND. <WES>. mbLg 2.6 (WES).
23	15	01	53.5	50.144	N	12.611	E	10	G		1.4	5 GERMANY. ML 2.2 (GRF).
23	16	46	53.9	12.809	N	143.931	E	33	N	4.5	0.7	8 SOUTH OF MARIANA ISLANDS
23	17	20	13.6	28.444	N	66.322	E	33	N	4.6	1.1	36 PAKISTAN
23	17	26	06.2	6.279	S	150.660	E	33	N	4.1	0.9	8 NEW BRITAIN REGION
23	17	38	58.5	43.151	N	12.936	E	23	*	4.7	1.1	25 CENTRAL ITALY. ML 4.0 (TRI), 3.9 (KBA), 3.7 (LDG).
23	19	13	20.6	0.727	S	126.330	E	33	N	4.8	1.2	23 MOLUCCA SEA
23	19	44	45.6	28.308	N	140.772	E	33	N	4.7	1.2	13 BONIN ISLANDS REGION
23	20	07	12.37	5.66	S	147.21	E	178	*	4.7	0.8	7 EAST PAPUA NEW GUINEA
23	21	11	08.8	36.641	N	121.271	W	5	G		1.0	11 CENTRAL CALIFORNIA. ML 2.7 (BRK).
23	22	25	26.2	4.525	S	144.065	E	129	*	4.5	1.1	9 NEAR N COAST OF PAPUA NEW GUINEA
23	23	48	39.9	42.318	N	18.927	E	10	G		0.1	6 YUGOSLAVIA. ML 2.1 (TTG).
23	23	49	54.6	50.208	N	12.381	E	10	G		0.2	5 GERMANY
24	00	43	18.8	20.802	S	169.915	E	120	*	4.8	1.3	21 VANUATU ISLANDS
24	00	59	12.4	14.998	S	170.634	E	663		5.1	0.9	111 VANUATU ISLANDS REGION
24	01	23	25.3	50.244	N	12.419	E	10	G		0.4	8 GERMANY. ML 2.1 (GRF).
24	02	00	07.3	28.225	N	140.728	E	33	N	4.5	1.3	22 BONIN ISLANDS REGION
24	02	34	36.0	50.222	N	12.433	E	10	G		0.5	6 GERMANY
24	04	54	07.4	50.243	N	12.425	E	10	G		0.2	8 GERMANY. ML 2.9 (FUR), 2.7 (GRF).
24	05	27	19.0	6.727	S	130.285	E	33	N	5.0	0.9	9 BANDA SEA
24	07	22	30.7	62.188	N	124.052	W	10	G	3.6	0.6	6 NORTHWEST TERRITORIES, CANADA
24	08	23	10.77	9.97	S	75.04	W	33	N		0.5	6 PERU
24	09	18	33.1	24.276	S	67.188	W	198	*		0.7	9 CHILE-ARGENTINA BORDER REGION
24	09	40	27.5	59.314	N	153.173	W	82				29 SOUTHERN ALASKA. <AGS-P>.
24	11	39	59.8	2.598	S	138.443	E	33	N	4.3	1.1	12 WEST IRIAN
24	12	25	48.6	42.291	N	19.936	E	10	G		0.9	9 YUGOSLAVIA. MD 3.2 (TTG).
24	14	15	30.1	42.054	N	24.495	E	10	G		1.6	5 BULGARIA
24	15	18	21.67	32.34	N	137.83	E	375	?	4.2	0.6	16 SOUTH OF HONSHU, JAPAN
24	15	19	18.9	35.377	N	139.670	E	33	N		0.6	5 NEAR S. COAST OF HONSHU, JAPAN
24	16	04	50.2	4.363	S	100.203	E	33	N	4.7	1.2	25 SOUTHWEST OF SUMATERA
24	17	01	29.4	50.242	N	12.429	E	10	G		0.3	8 GERMANY. ML 2.7 (GRF).
24	17	09	17.4	50.247	N	12.433	E	10	G		0.3	6 GERMANY. ML 2.5 (GRF).
24	17	12	42.4	39.969	N	24.786	E	10	G		0.5	10 AEGEAN SEA
24	17	18	26.1	40.067	N	24.727	E	10	G		0.8	8 AEGEAN SEA
24	18	02	07.1	50.273	N	12.400	E	10	G		0.3	5 GERMANY. ML 2.3 (GRF).
24	18	03	31.6	17.286	N	101.138	W	33	N	4.5	1.2	23 NEAR COAST OF GUERRERO, MEXICO
24	18	37	48.4	35.127	N	4.292	W	10	G		0.9	9 STRAIT OF GIBRALTAR. MG 3.2 (MDD).
24	22	04	21.3	51.294	N	4.861	W	10	G		0.3	7 UNITED KINGDOM. ML 2.3 (HTL).
24	22	30	08.5	11.348	S	34.384	E	10	G	4.9	1.0	29 MALAWI
24	23	45	18.67	11.89	S	166.96	E	218	?	4.6	1.3	16 SANTA CRUZ ISLANDS

25	00 12 01.5	19.959 N	121.008 E	55 *	4.5	1.3	21	PHILIPPINE ISLANDS REGION
25	00 46 26.2?	5.97 S	147.79 E	117 ?	3.6	0.1	5	EAST PAPUA NEW GUINEA REGION
25	01 00 32.3*	23.996 S	72.177 W	33 N	4.9	0.5	5	OFF COAST OF NORTHERN CHILE
25	02 15 01.8*	46.233 N	2.764 E	10 G		0.9	6	FRANCE. ML 1.5 (LDG).
25	02 56 14.2*	1.553 N	97.956 E	82 ?	4.1	0.7	6	NORTHERN SUMATERA
a 25	04 49 41.7	18.244 S	177.691 W	634	5.1	1.1	95	FIJI ISLANDS REGION
25	04 59 37.0*	28.049 N	140.670 E	32 *	5.0	0.9	10	BONIN ISLANDS REGION
25	08 00 36.6	36.950 N	121.413 W	5 G		0.7	13	CENTRAL CALIFORNIA. ML 2.6 (BRK).
25	09 04 22.6*	9.489 N	84.744 W	33 N	4.3	1.1	6	COSTA RICA
25	09 29 27.3	27.207 S	72.006 W	33 N	4.6	1.4	13	OFF COAST OF NORTHERN CHILE
a 25	09 39 46.1	61.702 N	27.132 W	10 G	5.3 5.2	1.0	177	ICELAND REGION
25	09 55 06.3*	35.470 N	139.686 E	33 N		1.5	5	NEAR S. COAST OF HONSHU, JAPAN
25	10 15 08.6	45.867 N	11.154 E	10 G		1.2	13	NORTHERN ITALY. ML 3.2 (KBA), MD 3.0 (TRI).
25	10 32 58.0*	59.870 N	146.066 W	40			34	GULF OF ALASKA. <AGS-P>. ML 3.3 (PMR).
25	11 03 55.5*	59.917 N	146.091 W	27			26	GULF OF ALASKA. <AGS-P>.
25	11 06 04.8*	15.484 N	60.570 W	26		0.3	12	LEEWARD ISLANDS. ML 3.3 (FDF).
25	13 07 49.6	50.230 N	12.439 E	10 G		0.2	6	GERMANY
25	13 56 29.6*	61.542 N	26.923 W	10 G	4.5	1.0	29	ICELAND REGION
25	14 16 36.8*	59.892 N	146.090 W	33			33	GULF OF ALASKA. <AGS-P>. ML 2.8 (PMR).
25	14 35 41.7*	59.931 N	146.081 W	25			25	GULF OF ALASKA. <AGS-P>.
25	15 04 21.1*	59.907 N	146.144 W	33			22	GULF OF ALASKA. <AGS-P>.
25	15 49 41.2*	27.069 S	72.141 W	33 N	4.7	1.4	9	OFF COAST OF NORTHERN CHILE
25	16 00 41.7	43.050 N	77.390 E	33 N	5.0 4.1	0.9	82	ALMA-ATA REGION. Felt (V) at Alma-Ata, (IV) at Przhevalsk and (III) at Frunze.
25	16 02 52.9?	3.02 S	131.43 E	33 N	4.8	1.0	7	WEST IRIAN REGION
25	17 11 42.0?	10.53 N	84.83 W	123 ?		0.3	9	COSTA RICA
25	17 40 26.9*	4.259 S	153.969 E	301 *	4.3	0.9	13	NEW IRELAND REGION
25	19 42 27.7*	28.162 N	140.656 E	33 *	5.3	1.5	16	BONIN ISLANDS REGION
25	20 23 17.9*	49.550 S	117.469 E	10 G	4.8	1.1	23	SOUTH OF AUSTRALIA
25	20 49 02.3*	5.388 S	102.040 E	33 N	4.6	1.5	17	SOUTHERN SUMATERA
25	21 30 17.3	31.575 N	85.139 E	33 N	4.7	1.4	29	TIBET
25	21 48 16.6?	31.72 S	72.65 W	33 N		1.1	8	OFF COAST OF CENTRAL CHILE
25	22 50 24.9*	32.064 N	100.733 W	5 G		1.5	8	WEST TEXAS. mLg 2.9 (NEIS).
25	23 13 24.0	61.837 N	16.930 E	10 G		1.3	7	SWEDEN. ML 3.3 (UPP). Felt in the Halsingland area.
25	23 21 34.4*	28.274 N	53.432 E	33 N	4.3	1.1	14	SOUTHERN IRAN
26	00 02 05.4*	7.421 S	148.324 E	59 *	4.8	1.1	17	EAST PAPUA NEW GUINEA REGION
26	00 55 48.4?	16.28 N	101.57 W	33 N	4.0	0.9	7	NEAR COAST OF GUERRERO, MEXICO
26	02 53 21.8	27.640 S	72.014 W	10 G	5.0	1.2	25	OFF COAST OF NORTHERN CHILE
26	02 53 39.0	23.832 N	121.544 E	33 N	4.7	1.1	26	TAIWAN
26	03 02 59.6	50.246 N	12.421 E	10 G		0.2	8	GERMANY. ML 2.1 (GRF).
26	03 03 08.5?	16.40 N	101.60 W	33 N	4.0	0.7	7	NEAR COAST OF GUERRERO, MEXICO
26	04 21 38.7*	34.659 S	70.394 W	33 N		1.4	18	CHILE-ARGENTINA BORDER REGION
26	07 13 20.9?	47.83 N	2.06 W	10 G		1.4	5	FRANCE. ML 2.7 (LDG).
26	07 33 56.2	42.627 N	15.326 E	10 G	4.4	1.2	54	ADRIATIC SEA. ML 4.8 (KBA), 4.5 (TRI), 4.4 (LDG).
26	07 36 50.2*	28.089 N	140.510 E	33 N	4.2	1.2	9	BONIN ISLANDS REGION
a 26	07 48 23.5	27.067 S	70.913 W	31 D	5.7 4.8	1.1	192	NEAR COAST OF NORTHERN CHILE. Felt (V) at Caldera, (IV) at Copiapo and (III) at Vallenar.
26	12 18 35.4*	62.194 N	124.863 W	10 G		0.8	6	NORTHWEST TERRITORIES, CANADA
26	14 49 09.8*	20.632 S	69.145 W	33 N		0.4	6	NORTHERN CHILE
26	15 13 23.9	38.739 N	122.676 W	5 G		0.9	12	NORTHERN CALIFORNIA. ML 2.9 (BRK).
26	16 28 55.4	28.225 N	140.501 E	33 N	4.7	1.0	34	BONIN ISLANDS REGION
26	17 13 18.8	42.354 N	19.991 E	10 G		0.5	11	YUGOSLAVIA. ML 2.7 (TTG).
26	17 29 51.5	20.655 S	178.391 W	55?	4.9	1.0	68	FIJI ISLANDS REGION
26	19 11 21.0?	37.87 N	20.28 E	10 G	3.6	1.2	10	IONIAN SEA. ML 4.0 (ATH).
a 26	19 20 51.2*	36.810 N	121.275 W	7	5.3 5.3		167	CENTRAL CALIFORNIA. <BRK>. ML 5.5 (BRK). Mo=4.0*10**24 (BRK). Some damage (VI) in the Hollister-Tres Pinos-Paichines area and in the Santa Ana Valley east of Hollister. The most serious damage occurred at the Cienega Winery about 11 miles south of Hollister. Felt (V) at Aptos, Chualar, Campbell, Marina, Pacific Grove, Salinas, San Martin, San Mateo and Soledad. Felt throughout much of central California.
26	20 46 05.3	36.831 N	121.269 W	5 G		0.8	14	CENTRAL CALIFORNIA. ML 2.6 (BRK).
26	21 44 34.2*	36.817 N	121.265 W	9			19	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
26	23 09 57.4	36.860 N	121.243 W	5 G		0.7	11	CENTRAL CALIFORNIA. ML 2.7 (BRK).
26	23 11 54.1*	61.869 N	148.738 W	38	4.1		38	SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR). Felt (II) at Palmer.
26	23 46 54.9*	36.828 N	121.290 W	6			12	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK). Mo=2.0*10**22 (BRK).
27	00 12 05.5*	31.083 S	69.147 W	33 N		1.2	9	SAN JUAN PROVINCE, ARGENTINA
27	00 32 40.7*	45.717 N	26.714 E	75 ?		0.8	7	ROMANIA
27	00 52 37.1*	15.222 N	91.982 W	97 *	4.4	1.2	20	MEXICO-GUATEMALA BORDER REGION. Felt at San Marcos, Guatemala.
27	01 04 24.2*	21.132 S	68.645 W	33 N		1.0	6	CHILE-BOLIVIA BORDER REGION
27	01 18 08.4*	42.522 N	15.276 E	10 G		0.9	14	ADRIATIC SEA. ML 3.0 (TRI), 3.5 (KBA).
27	01 59 40.6*	18.186 S	172.656 W	62 D	4.6	1.3	36	TONGA ISLANDS REGION
27	02 02 00.8	37.602 N	118.881 W	5 G		0.9	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (BRK).
27	02 43 58.4	23.415 N	123.878 E	23	4.9	0.9	54	SOUTHWESTERN RYUKYU ISLANDS. Felt on eastern Taiwan.
27	03 02 04.5*	28.504 N	51.490 E	33 N	4.6	1.3	16	SOUTHERN IRAN
27	03 14 20.3*	42.175 N	20.490 E	10 G		1.2	10	YUGOSLAVIA. MD 2.7 (TTG).
27	03 31 35.3*	8.963 N	124.122 E	574 ?	4.6	0.5	14	MINDANAO, PHILIPPINE ISLANDS
27	03 49 43.1	50.701 N	176.062 E	33 N	4.9	1.0	55	RAT ISLANDS, ALEUTIAN ISLANDS
27	03 52 29.3*	31.850 N	115.760 W	6 G			4	BAJA CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
27	04 26 57.7?	41.96 N	14.72 E	10 G		1.1	13	SOUTHERN ITALY. ML 3.8 (TRI), 3.5 (KBA).
27	05 04 34.8*	59.684 N	153.014 W	82			21	SOUTHERN ALASKA. <AGS-P>.
27	05 39 35.8*	40.166 N	29.324 E	10 G		1.0	6	TURKEY
27	05 42 32.1	36.844 N	121.268 W	5 G		0.9	12	CENTRAL CALIFORNIA. ML 2.5 (BRK).
27	05 51 37.8	41.920 N	20.129 E	10 G		0.3	7	ALBANIA. ML 2.7 (TTG).
27	06 07 18.7?	17.74 S	178.73 W	603 *	4.4	0.7	17	FIJI ISLANDS REGION
27	06 18 48.4*	40.339 N	29.563 E	10 G		0.3	5	TURKEY
27	06 36 32.1*	42.518 N	144.536 E	58 *	4.4	0.7	10	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Kushiro.
27	07 19 33.5	34.708 N	25.244 E	56 *	4.5	1.1	67	CRETE
a 27	07 35 23.5	10.400 S	161.135 E	10			140	SOLomon ISLANDS. Felt strongly at Honiara.

27	07 53 46.3	38.503 N	26.495 E	10 G	3.8	1.5	7	AEGEAN SEA
27	08 35 06.2	22.857 N	95.839 E	10 G	4.8	1.3	32	BURMA
27	08 42 01.77	32.82 S	69.02 W	33 N		1.0	6	MENDOZA PROVINCE, ARGENTINA. Felt (III) at Mendoza.
27	09 40 20.7	41.181 N	19.546 E	10 G		1.4	22	ALBANIA. MD 3.4 (TTG).
27	10 07 37.1*	36.810 N	121.263 W	7			16	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
27	10 16 06.8*	20.013 S	70.999 W	33 N		1.0	5	NEAR COAST OF NORTHERN CHILE
27	10 21 59.4	23.676 S	177.267 W	179	5.1	1.1	116	SOUTH OF FIJI ISLANDS
27	10 49 08.27	35.05 N	25.88 E	10 G		1.0	8	CRETE. ML 4.1 (ATH).
27	11 29 59.17	57.97 N	157.98 W	146 ?	4.1	1.2	16	ALASKA PENINSULA
27	11 35 44.0*	45.800 N	74.980 W	18 G			5	SOUTHERN ONTARIO. <OTT-P>. mblg 2.9 (OTT).
27	12 25 40.2*	33.658 S	74.246 W	33 N		0.6	11	OFF COAST OF CENTRAL CHILE
27	13 44 49.4*	41.612 N	22.361 E	10 G		0.4	5	YUGOSLAVIA
27	14 26 06.4*	36.832 N	121.280 W	4			12	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
27	15 19 52.0	42.351 N	19.923 E	10 G		0.6	10	YUGOSLAVIA. MD 2.7 (TTG).
27	15 40 12.4*	39.244 N	27.677 E	10 G		1.3	5	TURKEY
27	15 45 59.8	21.637 S	173.984 W	33 N	5.1	1.2	50	TONGA ISLANDS
27	16 19 11.1	42.336 N	19.908 E	10 G		0.9	13	YUGOSLAVIA. MD 3.0 (TTG).
27	16 35 52.8	38.885 N	48.620 E	71	5.3	0.9	183	N.W. IRAN-USSR BORDER REGION. Damage (VII) in the Dzhofilobod, USSR area. Felt at Ahar, Ardabil and Tehran, Iran.
27	17 01 23.5	36.864 N	121.261 W	5 G		0.8	14	CENTRAL CALIFORNIA. ML 2.7 (BRK).
27	17 57 10.47	17.34 S	174.32 W	33 N	4.7	0.8	6	TONGA ISLANDS
27	18 30 30.87	36.22 S	73.10 W	33 N		0.3	10	NEAR COAST OF CENTRAL CHILE
27	19 23 19.1	36.848 N	121.239 W	5 G		0.8	13	CENTRAL CALIFORNIA. ML 2.5 (BRK).
27	19 30 07.3*	34.344 N	12.765 E	33 N	4.2	1.5	15	MEDITERRANEAN SEA
27	19 36 16.3*	17.920 N	102.707 W	33 N	4.9	1.1	43	NEAR COAST OF MICHOACAN, MEXICO
27	19 51 34.1*	36.813 N	121.255 W	8			17	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
27	20 32 01.8	29.728 N	98.353 E	33 N	4.8	1.2	41	TIBET
27	20 44 24.0*	6.961 N	73.154 W	156 *	4.4	0.6	8	NORTHERN COLOMBIA
27	21 53 50.0	32.064 S	116.642 E	33 N		1.1	7	WESTERN AUSTRALIA
27	23 09 18.3	36.857 N	121.253 W	5 G		0.8	14	CENTRAL CALIFORNIA. ML 2.6 (BRK).
27	23 13 51.4	21.978 N	111.517 E	33 N	4.1	1.1	9	EASTERN CHINA. Felt at Hong Kong.
28	01 09 35.77	3.12 S	130.62 E	33 N	4.0	1.5	8	CERAM
28	02 49 40.4*	24.965 N	122.061 E	25 *	4.2	0.4	9	TAIWAN REGION
28	02 53 50.5*	34.480 N	120.610 W	11			7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
28	03 40 41.7*	24.781 N	122.917 E	33 N	4.6	1.2	14	TAIWAN REGION
28	03 55 39.2*	28.179 N	140.591 E	33 N	4.4	1.2	10	BONIN ISLANDS REGION
28	05 45 01.5	44.153 N	113.946 W	5 G		0.6	22	EASTERN IDAHO. ML 4.0 (NEIS). Felt (IV) at Challis. Also felt at Mackay.
28	05 49 02.37	51.17 N	19.23 E	10 G		0.8	6	POLAND ML 2.7 (KRA).
28	06 19 21.3	23.338 N	120.403 E	29 *	4.5	1.2	18	TAIWAN
28	06 51 45.4	1.838 S	77.457 W	164 D	5.2	0.9	170	ECUADOR
28	07 12 29.0*	61.428 N	151.553 W	88			37	SOUTHERN ALASKA. <AGS-P>.
28	07 15 32.0	44.184 N	113.955 W	5 G		1.0	13	EASTERN IDAHO. ML 3.7 (NEIS).
28	07 26 53.4*	44.145 N	114.211 W	5 G		0.2	8	WESTERN IDAHO. ML 3.3 (NEIS).
28	07 59 31.3	40.459 N	29.145 E	10 G		1.1	20	TURKEY
28	09 28 22.3	39.633 N	75.393 E	18 *	4.8 5.2	1.0	38	SOUTHERN XINJIANG, CHINA
28	10 26 52.4	25.984 S	70.690 W	33 N	4.8	1.2	28	NEAR COAST OF NORTHERN CHILE
28	11 13 22.1	31.996 N	5.389 W	10 G	4.2	1.1	28	MOROCCO. Felt at Assoul.
28	11 49 48.3	46.460 N	7.857 E	10 G		1.0	31	SWITZERLAND. ML 3.3 (LDG), 3.2 (KBA).
28	12 20 23.1*	27.161 S	71.096 W	33 N	4.5	1.4	14	NEAR COAST OF NORTHERN CHILE
28	12 32 16.6	8.800 N	94.165 E	27 D	5.7 5.8	1.1	189	NICOBAR ISLANDS REGION. Ms 5.8 (PAS).
28	12 51 34.6*	8.692 N	93.900 E	33 N		0.8	11	NICOBAR ISLANDS REGION
28	15 43 56.8	17.791 N	105.950 W	33 N	4.8	1.3	48	OFF COAST OF JALISCO, MEXICO
28	15 59 39.77	32.26 S	68.67 W	120 ?		0.3	7	MENDOZA PROVINCE, ARGENTINA
28	17 42 55.47	17.28 S	73.85 W	33 N	4.9	1.0	7	OFF COAST OF PERU
28	18 05 21.8*	28.528 N	140.932 E	26 *	4.9	1.2	24	BONIN ISLANDS REGION
28	18 22 48.1	33.762 N	137.463 E	18	4.8	0.9	25	NEAR S. COAST OF HONSHU, JAPAN
28	18 37 55.2*	59.589 N	153.612 W	117			26	SOUTHERN ALASKA. <AGS-P>.
28	19 23 01.97	30.94 S	179.70 E	320 ?	3.6	0.7	6	KERMADEC ISLANDS REGION
28	20 01 28.3	31.999 N	5.318 W	22	4.9	1.1	105	MOROCCO. Felt (V) at Assoul.
28	20 14 47.5	34.597 N	139.262 E	13	4.3	1.0	17	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshima.
28	23 19 00.3	17.526 S	174.318 W	126 D	5.1	1.1	68	TONGA ISLANDS
28	23 25 02.1*	43.377 N	146.883 E	33 N	4.7	1.3	11	KURIL ISLANDS
29	00 03 49.0*	34.026 N	135.134 E	10 G	3.8	0.3	5	NEAR S. COAST OF SOUTHERN HONSHU. Felt (I JMA) at Wakayama.
29	02 53 17.8*	46.738 N	9.924 E	10 G		1.5	10	SWITZERLAND. ML 2.7 (KBA).
29	03 00 19.9	42.329 N	19.985 E	10 G		0.6	10	YUGOSLAVIA. ML 2.8 (TTG).
29	07 06 47.7*	35.964 N	139.975 E	33 N		1.0	7	NEAR S. COAST OF HONSHU, JAPAN
29	07 08 10.5*	17.721 S	13.569 W	10 G	4.8	0.9	16	SOUTH ATLANTIC RIDGE
29	07 50 13.2*	32.079 N	5.394 W	10 G		1.2	10	MOROCCO. MG 4.2 (IFR).
29	08 28 43.67	35.62 N	140.22 E	80	4.4	0.5	12	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro.
29	08 46 04.9*	5.584 S	152.120 E	33 N	3.9	0.8	6	NEW BRITAIN REGION
29	09 27 42.8	13.903 N	146.329 E	63	5.2	1.0	114	SOUTH OF MARIANA ISLANDS
29	10 05 32.7*	40.655 N	27.426 E	10 G		0.8	5	TURKEY
29	10 11 57.77	31.17 S	68.55 W	91 ?		0.5	5	SAN JUAN PROVINCE, ARGENTINA
29	10 19 05.0	52.831 N	162.910 W	33 N	4.8	1.0	45	SOUTH OF ALASKA
29	10 57 19.67	17.27 S	174.59 W	33 N	4.7	0.4	6	TONGA ISLANDS
29	11 56 34.6	3.904 S	103.461 E	33 N	5.0	1.4	32	SOUTHERN SUMATRA. At least 2 people injured and severe damage in the Lahat area. Felt in the Pagorelam-Muoroenim area.
29	12 35 06.0*	27.982 N	141.673 E	33 N	5.1	1.1	19	BONIN ISLANDS REGION
29	13 26 37.87	34.08 N	61.06 W	10 G	4.0	1.2	14	NORTH ATLANTIC OCEAN
29	13 34 09.8	6.855 N	76.783 W	10 G	5.3	1.1	180	NORTHERN COLOMBIA. Ms 5.3 (PAS). Felt at Medellin and in the Monizales-Armenio-Ibague area.
29	13 49 41.1	7.128 N	76.331 W	10 G	4.6	1.1	37	NORTHERN COLOMBIA. Felt at Medellin, Monizales, Armenia and Pereira.
29	14 39 15.7*	61.213 N	147.426 W	17			40	SOUTHERN ALASKA. <AGS-P>. ML 3.0 (PMR).
29	14 47 15.1	7.006 N	76.642 W	10 G	4.6 4.9	1.2	55	NORTHERN COLOMBIA. Felt at Medellin and Monizales.
29	15 13 53.57	38.31 S	93.80 W	10 G	5.0 4.8	0.8	10	WEST CHILE RISE
29	15 18 25.0*	9.308 N	93.910 E	33 N	4.5	1.0	12	NICOBAR ISLANDS REGION

29	15	36	35.4	37.934 N	72.257 E	33 N	4.9	0.7	37	TAJIK SSR. Felt (V) at Kayrakkum, (IV) at Leninabad, and (III) at Nou.
29	15	42	18.7%	31.240 S	68.092 W	10 G		0.1	5	SAN JUAN PROVINCE, ARGENTINA
29	17	55	28.67	3.39 S	135.64 E	33 N	3.9	0.8	6	WEST IRIAN REGION
29	19	18	10.1*	28.113 N	140.476 E	33 N	5.0	1.2	14	BONIN ISLANDS REGION
29	20	01	22.1	17.296 N	101.451 W	33 N	4.6	1.2	44	NEAR COAST OF GUERRERO, MEXICO. Felt (III) at Mexico City.
29	20	26	33.6*	27.574 N	140.715 E	33 N	4.9	1.2	15	BONIN ISLANDS REGION
29	20	39	13.57	66.16 N	149.76 W	10 G		1.4	6	ALASKA. ML 3.0 (PMR).
29	21	28	55.4?	33.67 S	178.94 E	33 N	4.3	0.8	5	SOUTH OF KERMADEC ISLANDS
29	22	19	45.2%	37.777 N	29.227 E	10 G		1.1	6	TURKEY
29	23	16	04.97	25.39 N	122.77 E	96 ?	4.6	1.1	6	TAIWAN REGION
29	23	33	03.4*	18.643 N	145.417 E	202 *	4.4	0.8	22	MARIANA ISLANDS
30	00	03	35.4*	37.918 N	20.212 E	17		1.0	15	IONIAN SEA. ML 3.7 (ATH).
30	00	05	22.9*	37.894 N	20.046 E	10 G	4.1	1.4	18	IONIAN SEA. ML 4.0 (ATH).
30	04	14	43.07	36.39 N	71.51 E	79 ?	4.6	1.4	11	AFGHANISTAN-USSR BORDER REGION
30	04	52	15.37	23.49 S	66.66 W	225 ?		1.5	5	JUJUY PROVINCE, ARGENTINA
30	06	06	41.3	62.345 N	124.073 W	10 G	4.6	1.0	32	NORTHWEST TERRITORIES, CANADA
30	06	46	11.7*	42.507 N	21.927 E	10 G		1.4	5	YUGOSLAVIA. MG 2.4 (SKO).
30	07	15	33.5	43.601 N	127.339 W	10 G	5.2	1.0	86	OFF COAST OF OREGON
30	10	32	56.1	56.982 N	5.386 W	10 G		0.5	11	UNITED KINGDOM. ML 3.0 (EDI). Felt (III) at Lochailort, Scotland; also felt at Kinloch Hourn.
30	11	40	22.8	35.410 N	27.988 E	73 *	4.4	1.2	37	DODECANESE ISLANDS
30	12	34	06.2*	4.857 N	125.021 E	33 N	4.3	0.6	11	TALAUD ISLANDS
30	12	53	22.8%	60.308 N	5.379 E	10 G		0.6	5	SOUTHERN NORWAY. MD 1.6 (BER).
30	13	36	49.9*	31.336 S	67.909 W	33 N		1.1	7	SAN JUAN PROVINCE, ARGENTINA
30	16	40	59.1	23.648 S	177.249 W	171 D	4.8	1.2	48	SOUTH OF FIJI ISLANDS
30	17	47	07.5%	37.645 N	121.837 W	4		1.3	13	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=9.2+10+20 (BRK).
30	18	28	09.6	28.153 N	140.537 E	26 *	5.1	1.3	30	BONIN ISLANDS REGION
30	18	30	20.6*	13.610 S	166.168 E	33 N	5.0	1.0	12	VANUATU ISLANDS
30	19	24	52.8*	5.795 S	81.012 W	33 N	4.3	1.0	9	NEAR COAST OF NORTHERN PERU
30	20	11	41.27	15.40 N	60.70 W	33 N		0.3	7	LEEWARD ISLANDS. ML 3.1 (FDF).
30	20	42	18.0	0.932 N	28.023 W	10 G	5.3 5.1	0.7	74	CENTRAL MID-ATLANTIC RIDGE
30	21	31	46.77	31.40 S	68.90 W	113 *		0.5	7	SAN JUAN PROVINCE, ARGENTINA
30	21	55	08.3*	17.540 S	72.281 W	33 N		1.5	6	NEAR COAST OF PERU
30	22	14	40.07	13.34 S	166.26 E	33 N	5.3	1.5	19	VANUATU ISLANDS
30	22	26	32.0	6.966 N	76.569 W	10 G	5.0 4.5	1.3	57	NORTHERN COLOMBIA. Felt at Pereira and Manizoles.
30	22	26	37.0	32.066 N	100.693 W	5 G		1.2	11	WEST TEXAS. mblg 3.3 (NEIS), 3.1 (TUL). Felt (IV) at Silver and (II) at Robert Lee.
30	23	23	27.7	7.017 N	76.477 W	10 G	4.9 4.5	1.4	48	NORTHERN COLOMBIA. Felt at Pereira and Manizoles.
31	00	01	28.3	37.642 N	121.805 W	5 G		0.5	9	CENTRAL CALIFORNIA. ML 2.7 (BRK). Mo=3.9+10+20 (BRK).
31	00	08	33.0*	44.578 N	26.014 E	10 G		1.1	6	ROMANIA
31	02	27	04.1*	44.613 N	148.135 E	57 D	4.9	1.1	56	KURIL ISLANDS. Felt (II) an Shikoton.
31	05	02	40.7	24.790 N	122.974 E	30 *	4.6	1.3	17	TAIWAN REGION
31	05	47	16.67	13.43 N	91.24 W	33 N	4.8	0.9	14	NEAR COAST OF GUATEMALA
31	05	51	40.2	20.811 S	68.721 W	113 D	4.9	1.2	48	CHILE-BOLIVIA BORDER REGION
31	06	19	36.0	7.330 S	120.370 E	400 *	4.5	1.0	17	FLORES SEA
31	07	17	15.27	21.85 S	71.26 W	33 N		1.4	7	OFF COAST OF NORTHERN CHILE
31	07	32	10.3*	33.194 S	72.305 W	33 N		1.3	13	OFF COAST OF CENTRAL CHILE
31	07	45	53.6*	7.159 S	115.879 E	10 G	4.8	1.2	11	BALI SEA
31	12	06	02.7	50.239 N	12.644 E	10 G		0.8	6	GERMANY. ML 2.9 (KBA).
31	13	00	22.07	49.37 S	7.53 W	10 G	4.8	1.1	8	SOUTH ATLANTIC RIDGE
31	14	06	11.07	50.01 S	6.80 W	10 G	4.7	1.3	9	SOUTH ATLANTIC RIDGE
31	14	25	25.6*	13.337 S	165.987 E	33 N	5.2	1.3	12	VANUATU ISLANDS
31	15	05	47.0	34.928 N	137.933 E	49 *	4.0	0.6	13	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro, Iida and Shizuaka. Also felt at Hamamatsu and Nagoya.
31	15	07	31.9*	25.661 N	128.022 E	33 N	4.3	1.2	9	RYUKYU ISLANDS
31	15	21	56.8*	31.379 N	138.372 E	394 *	3.4	0.7	10	SOUTH OF HONSHU, JAPAN
31	16	37	49.8%	37.645 N	121.837 W	5		1.0	10	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
31	16	46	43.3%	41.650 N	81.162 W	10	5.0	124	OHIO. <SPEC>. Seventeen people treated for minor injuries and some damage (VI) sustained in the Painesville-Mentor area. Minor damage also occurred at Bainbridge, Bowling Green, Chardon, Geneva, Huntsburg, Kirtland, Leroy, Madison, Metcals Park, Middlefield, Perry, Perry Nuclear Plant, Thompson, Warren and Willoughby. Minor damage in Pennsylvania at Albion and Linesville. Felt throughout most of Ohio and parts of Illinois, Indiana, Kentucky, Michigan, New York, Pennsylvania, West Virginia and Ontario, Canada. Some additional states with only a few felt reports included Delaware, Maryland, New Jersey, Virginia, Wisconsin and the District of Columbia.	
31	16	53	48.6*	50.096 S	7.220 W	10 G	4.8	0.7	13	SOUTH ATLANTIC RIDGE
31	17	48	04.4	42.228 N	142.996 E	69	5.3	1.0	152	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Urakawa, (II JMA) at Kushira and Obihiro and (I JMA) at Muroran and Sapporo.
31	19	58	51.4	12.841 S	166.452 E	33 N	5.6	1.1	35	SANTA CRUZ ISLANDS
31	20	43	27.0	21.847 S	68.717 W	154 *		1.3	11	CHILE-BOLIVIA BORDER REGION
31	21	55	27.1*	23.056 S	26.335 E	10 G		1.6	5	BOTSWANA REPUBLIC. MG 3.6 (BUL).
31	23	28	16.9	35.922 N	28.547 E	10 G	4.1	1.5	24	EASTERN MEDITERRANEAN SEA. ML 4.2 (ATH).
31	23	44	08.4	40.793 N	27.535 E	10 G		0.8	11	TURKEY

ADDITIONAL SOURCE PARAMETERS

<p>01 04 37 24.88 62.079N 124.042W 10km 4.7mb (10 obs.) NORTHWEST TERRITORIES, CANADA CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 11S, 17C Centroid Location: Origin Time 04:37:30.0 1.1 Lot 62.60N FIX;Lon 124.65W FIX Dep 15.0 FIX Half-duration 1.3 Principal Axes: Scale 10**23 D-CM T Vol= 2.63 Plg=74 Azm= 30 N 1.19 11 162 P -3.81 12 254 Best Double Couple:Mo=3.2*10**23 NP1:Strike=358 Dip=34 Slip= 109 NP2: 155 58 77</p>	<p>P -1.51 29 258 Best Double Couple:Mo=1.5*10**25 NP1:Strike=329 Dip=18 Slip= 66 NP2: 174 74 98</p> <p>04 23 31 07.54 19.360N 108.524W 10km 5.2mb (14 obs.) 5.4Msz (1 obs.) REVILLA GIGEDO ISLANDS REGION CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 12S, 21C Centroid Location: Origin Time 23:31:13.0 0.6 Lot 19.34N 0.07 Lon 108.72W 0.07 Dep 15.0 FIX Half-duration 2.1 Principal Axes: Scale 10**24 D-CM T Vol= 3.03 Plg=21 Azm= 82 N -0.73 66 235 P -2.31 9 348 Best Double Couple:Mo=2.7*10**24 NP1:Strike=123 Dip=68 Slip= 171 NP2: 216 82 22</p>	<p>07 16 37 47.94 13.361S 111.326W 10km 4.9mb (7 obs.) 5.1Msz (2 obs.) NORTHERN EASTER I. CORDILLERA CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 15S, 33C Centroid Location: Origin Time 16:37:54.1 0.4 Lot 13.52S 0.05 Lon 111.32W 0.05 Dep 15.0 FIX Half-duration 1.8 Principal Axes: Scale 10**24 D-CM T Vol= 2.35 Plg=13 Azm=322 N 0.07 66 201 P -2.42 20 56 Best Double Couple:Mo=2.4*10**24 NP1:Strike= 98 Dip=67 Slip= -5 NP2: 190 85 -157</p>
<p>01 19 39 21.70 16.472S 175.404W 33km 5.3mb (15 obs.) 4.9Msz (3 obs.) TONGA ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 14S, 32C Centroid Location: Origin Time 19:39:20.4 0.6 Lot 17.81S 0.05 Lon 174.43W 0.06 Dep 19.0 2.5 Half-duration 1.8 Principal Axes: Scale 10**24 D-CM T Vol= 1.41 Plg= 1 Azm=288 N -0.08 12 18 P -1.32 78 194 Best Double Couple:Mo=1.4*10**24 NP1:Strike= 6 Dip=45 Slip=-107 NP2: 210 47 -74</p>	<p>05 08 08 07.74 53.163S 9.638E 10km 5.7mb (13 obs.) 5.4Msz (1 obs.) SOUTHWEST OF AFRICA MOMENT TENSOR SOLUTION Dep 15 No. of sto: 3 Principal Axes: Scale 10**25 d-cm T Vol= 1.12 Plg= 2 Azm=350 N 0.00 83 100 P -1.12 7 260 Best Double Couple:Mo=1.1*10**25 NP1:Strike= 35 Dip=83 Slip=-177 NP2: 305 87 -7 CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 15S, 37C Centroid Location: Origin Time 08:08:19.3 0.2 Lot 53.20S 0.03 Lon 9.94E 0.04 Dep 15.0 FIX Half-duration 3.1 Principal Axes: Scale 10**24 D-CM T Vol= 6.97 Plg=17 Azm=355 N -0.20 65 125 P -6.77 18 259 Best Double Couple:Mo=6.9*10**24 NP1:Strike= 37 Dip=65 Slip=-179 NP2: 307 89 -25</p>	<p>08 03 42 50.43 35.753S 71.096W 105km 5.3mb (25 obs.) CENTRAL CHILE CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 10S, 15C Centroid Location: Origin Time 03:42:54.6 1.0 Lot 35.83S 0.10 Lon 71.38W 0.16 Dep 96.411.2 Half-duration 1.4 Principal Axes: Scale 10**23 D-CM T Vol= 6.74 Plg=43 Azm=138 N -0.36 16 33 P -6.39 43 288 Best Double Couple:Mo=6.6*10**23 NP1:Strike=303 Dip=16 Slip= 0 NP2: 33 90 -106</p>
<p>01 22 01 13.69 19.282N 108.366W 10km 5.3mb (17 obs.) 4.9Msz (3 obs.) REVILLA GIGEDO ISLANDS REGION CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 10S, 18C Centroid Location: Origin Time 22:01:18.5 0.6 Lot 19.06N 0.07 Lon 108.32W 0.08 Dep 15.0 FIX Half-duration 2.1 Principal Axes: Scale 10**24 D-CM T Vol= 2.77 Plg= 6 Azm= 76 N -0.39 76 191 P -2.37 12 345 Best Double Couple:Mo=2.6*10**24 NP1:Strike=121 Dip=77 Slip=-175 NP2: 30 85 -13</p>	<p>07 08 08 46.56 17.428S 167.611E 26km 5.2mb (6 obs.) 5.3Msz (2 obs.) VANUATU ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 14S, 28C Centroid Location: Origin Time 08:08:49.8 0.5 Lot 17.47S 0.06 Lon 167.50E 0.06 Dep 33.5 3.8 Half-duration 1.8 Principal Axes: Scale 10**24 D-CM T Vol= 1.26 Plg=75 Azm= 83 N 0.17 1 177 P -1.43 15 268 Best Double Couple:Mo=1.4*10**24 NP1:Strike=359 Dip=30 Slip= 92 NP2: 177 60 89</p>	<p>10 03 46 29.91 28.648N 86.527E 55km 5.4mb (61 obs.) 3.6Msz (1 obs.) TIBET CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 11S, 23C Centroid Location: Origin Time 03:46:43.7 1.1 Lot 28.60N 0.12 Lon 87.09E 0.08 Dep 81.4 6.9 Half-duration 1.5 Principal Axes: Scale 10**23 D-CM T Vol= 7.57 Plg=20 Azm= 96 N -2.57 43 206 P -5.00 40 349 Best Double Couple:Mo=6.3*10**23 NP1:Strike=140 Dip=46 Slip=-163 NP2: 38 78 -45</p>
<p>01 22 10 27.01 56.041N 165.009E 27km 5.2mb (34 obs.) 4.8Msz (3 obs.) KOMANDORSKY ISLANDS REGION CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 9S, 15C Centroid Location: Origin Time 22:10:20.3 1.5 Lot 56.15N 0.19 Lon 164.76E 0.26 Dep 28.0 8D Half-duration 1.4 Principal Axes: Scale 10**23 D-CM T Vol= 5.12 Plg=71 Azm=338 N 1.21 9 97 P -6.33 16 189 Best Double Couple:Mo=5.7*10**23 NP1:Strike=293 Dip=30 Slip= 108 NP2: 92 62 80</p>	<p>07 10 38 55.20 21.183S 178.627W 520km 5.2mb (36 obs.) FIJI ISLANDS REGION CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 16S, 36C Centroid Location: Origin Time 10:38:59.6 0.3 Lot 21.26S 0.04 Lon 178.43W 0.03 Dep 531.5 1.6 Half-duration 2.5 Principal Axes: Scale 10**24 D-CM T Vol= 3.28 Plg= 2 Azm=199 N 0.43 2 109 P -3.71 87 336 Best Double Couple:Mo=3.5*10**24 NP1:Strike=291 Dip=43 Slip= -87 NP2: 107 47 -93</p>	<p>10 22 16 22.78 52.989S 9.517E 10km 5.2mb (10 obs.) 5.0Msz (5 obs.) SOUTHWEST OF AFRICA CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 16S, 36C Centroid Location: Origin Time 22:16:32.4 0.3 Lot 52.98S 0.04 Lon 10.08E 0.06 Dep 15.0 FIX Half-duration 2.4 Principal Axes: Scale 10**24 D-CM T Vol= 3.69 Plg=11 Azm=351 N -0.28 75 132 P -3.41 9 260 Best Double Couple:Mo=3.6*10**24 NP1:Strike= 35 Dip=76 Slip= 178 NP2: 126 88 14</p>
<p>03 09 43 28.60 0.972S 126.868E 39km 5.6mb (34 obs.) 5.6Msz (9 obs.) MOLUCCA SEA CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 16S, 31C Centroid Location: Origin Time 09:43:35.6 0.4 Lot 0.84S 0.05 Lon 126.74E 0.03 Dep 31.0 2.0 Half-duration 3.6 Principal Axes: Scale 10**25 D-CM T Vol= 1.54 Plg=60 Azm= 95 N -0.03 7 352</p>	<p>11 12 31 14.20 13.810S 166.434E 33km 5.3mb (12 obs.) 5.2Msz (2 obs.) VANUATU ISLANDS CENTROID, MOMENT TENSOR (HRV) Data Used: GDSN L.P.B.: 15S, 32C Centroid Location: Origin Time 12:31:18.4 0.3 Lot 13.85S 0.03 Lon 166.33E 0.03 Dep 37.9 2.8 Half-duration 2.3 Principal Axes: Scale 10**24 D-CM T Vol= 2.76 Plg=76 Azm= 36 N 0.57 11 176</p>	

P -3.33 9 268
Best Double Couple:Mo=3.1*10**24
NP1:Strike= 11 Dip=37 Slip= 108
NP2: 168 55 76

11 19 42 21.98 9.505S 77.512W 39km
5.3mb (10 obs.)

PERU

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 14S, 24C

Centroid Location:

Origin Time 19:42:25.5 1.0

Lat 9.43S 0.10 Lon 77.16W 0.15

Dep 38.210.5 Half-duration 1.4

Principal Axes:

Scale 10**23 D-CM

T Val= 4.88 Plg=20 Azm=193

N 0.23 46 81

P -5.11 37 299

Best Double Couple:Mo=5.0*10**23

NP1:Strike=330 Dip=48 Slip= -15

NP2: 70 79 -137

12 06 38 20.59 3.981S 79.404W 96km
5.5mb (29 obs.)

NEAR COAST OF ECUADOR

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 12S, 20C

Centroid Location:

Origin Time 06:38:17.9 0.9

Lat 4.48S 0.11 Lon 80.10W 0.11

Dep 98.9 4.6 Half-duration 1.7

Principal Axes:

Scale 10**24 D-CM

T Val= 1.41 Plg=10 Azm= 81

N -0.60 53 184

P -0.81 36 344

Best Double Couple:Mo=1.1*10**24

NP1:Strike=129 Dip=58 Slip=-160

NP2: 28 73 -34

12 14 00 55.09 36.011S 102.215W 10km
5.1mb (8 obs.) 4.7Msz (1 obs.)

SOUTHERN PACIFIC OCEAN

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 14S, 31C

Centroid Location:

Origin Time 14:01:06.0 0.5

Lat 35.78S 0.06 Lon 102.44W 0.07

Dep 15.0 FIX Half-duration 1.7

Principal Axes:

Scale 10**24 D-CM

T Val= 1.18 Plg= 0 Azm=228

N 0.03 90 180

P -1.21 0 138

Best Double Couple:Mo=1.2*10**24

NP1:Strike=273 Dip=90 Slip= 180

NP2: 3 90 0

12 20 14 52.82 34.151N 69.544E 25km
5.4mb (66 obs.) 5.7Msz (6 obs.)

AFGHANISTAN

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 15S, 30C

Centroid Location:

Origin Time 20:14:56.2 0.3

Lat 34.04N 0.04 Lon 69.41E 0.04

Dep 15.0 BDY Half-duration 2.2

Principal Axes:

Scale 10**24 D-CM

T Val= 3.72 Plg=26 Azm= 67

N -0.52 34 317

P -3.21 45 185

Best Double Couple:Mo=3.5*10**24

NP1:Strike=205 Dip=36 Slip= -18

NP2: 310 79 -125

14 03 03 37.46 36.341N 71.024E 245km
5.2mb (70 obs.)

AFGHANISTAN-USSR BORDER REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 13S, 21C

Centroid Location:

Origin Time 03:03:35.6 0.7

Lat 35.97N 0.07 Lon 71.00E 0.06

Dep 256.8 3.2 Half-duration 2.0

Principal Axes:

Scale 10**24 D-CM

T Val= 2.60 Plg=53 Azm=216

N -0.53 31 2

P -2.07 17 102

Best Double Couple:Mo=2.3*10**24

NP1:Strike=229 Dip=40 Slip= 145

NP2: 348 69 56

15 20 17 42.71 21.277S 170.102E 150km

6.2mb (4 obs.)

LOYALTY ISLANDS REGION

FAULT PLANE SOLUTION: P-Waves

NP1:Strike=235 Dip=85 Slip=-100

NP2: 119 11 -27

Principal Axes:

T Plg=39 Azm=334

P 49 134

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.

MOMENT TENSOR SOLUTION

Dep 109 No. of sta: 7

Principal Axes:

Scale 10**26 d-cm

T Val= 4.40 Plg=51 Azm=357

N 0.00 25 123

P -4.40 28 227

Best Double Couple:Mo=4.4*10**26

NP1:Strike= 2 Dip=29 Slip= 152

NP2: 117 77 64

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 22S, 57C M.W.: 20S, 43C

Centroid Location:

Origin Time 20:17:47.5 0.1

Lat 21.26S 0.01 Lon 169.91E 0.01

Dep 121.0 0.7 Half-duration 12.0

Principal Axes:

Scale 10**26 D-CM

T Val= 4.41 Plg=46 Azm= 4

N 0.43 27 125

P -4.84 32 234

Best Double Couple:Mo=4.6*10**26

NP1:Strike= 17 Dip=28 Slip= 164

NP2: 122 83 63

16 05 08 32.42 5.936N 126.074E 83km

5.4mb (34 obs.)

MINDANAO, PHILIPPINE ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 14S, 27C

Centroid Location:

Origin Time 05:08:33.2 0.3

Lat 5.89N 0.03 Lon 126.34E 0.04

Dep 56.2 2.9 Half-duration 2.4

Principal Axes:

Scale 10**24 D-CM

T Val= 6.18 Plg=65 Azm= 4

N -0.66 23 208

P -5.52 9 115

Best Double Couple:Mo=5.9*10**24

NP1:Strike=180 Dip=41 Slip= 54

NP2: 44 58 117

16 08 34 43.71 29.802N 138.662E 436km

5.2mb (56 obs.)

SOUTH OF HONSHU, JAPAN

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 10S, 19C

Centroid Location:

Origin Time 08:34:46.6 0.8

Lat 29.65N 0.07 Lon 139.39E 0.16

Dep 455.7 5.5 Half-duration 1.7

Principal Axes:

Scale 10**24 D-CM

T Val= 1.67 Plg=32 Azm= 37

N 0.01 37 155

P -1.68 37 280

Best Double Couple:Mo=1.7*10**24

NP1:Strike= 71 Dip=37 Slip=-175

NP2: 337 87 -53

16 13 04 31.35 24.771N 122.013E 13km

5.5mb (60 obs.) 5.8Msz (4 obs.)

TAIWAN REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 15S, 32C

Centroid Location:

Origin Time 13:04:34.4 0.2

Lat 24.57N 0.03 Lon 121.79E 0.04

Dep 15.0 FIX Half-duration 3.4

Principal Axes:

Scale 10**24 D-CM

T Val= 10.97 Plg=17 Azm=328

N -0.52 3 58

P -10.45 72 158

Best Double Couple:Mo=1.1*10**25

NP1:Strike= 53 Dip=28 Slip= -96

NP2: 240 62 -87

16 14 00 07.54 4.167S 104.475W 10km

4.7mb (5 obs.) 4.9Msz (3 obs.)

NORTHERN EASTER I. CORDILLERA

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 19S, 37C

Centroid Location:

Origin Time 14:00:12.7 0.7

Lat 4.24S 0.08 Lon 104.00W 0.06

Dep 15.0 FIX Half-duration 2.1

Principal Axes:

Scale 10**24 D-CM

T Val= 4.02 Plg= 3 Azm=316

N -0.88 87 136

P -3.14 0 46

Best Double Couple:Mo=3.6*10**24

NP1:Strike= 91 Dip=88 Slip= 2

NP2: 1 88 178

16 15 45 06.74 13.685N 120.822E 223km

5.2mb (55 obs.)

MINDORO, PHILIPPINE ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 14S, 30C

Centroid Location:

Origin Time 15:45:9.4 0.4

Lat 13.71N 0.04 Lon 120.81E 0.06

Dep 207.8 2.5 Half-duration 2.4

Principal Axes:

Scale 10**24 D-CM

T Val= 3.41 Plg=29 Azm= 64

N 0.75 33 175

P -4.16 43 303

Best Double Couple:Mo=3.8*10**24

NP1:Strike=103 Dip=34 Slip=-165

NP2: 1 82 -56

16 23 07 33.93 17.541S 178.905W 479km

5.0mb (19 obs.)

FILIPIN ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 8S, 15C

Centroid Location:

Origin Time 23:07:37.1 1.7

Lat 17.95S 0.27 Lon 178.18W 0.19

Dep 509.710.3 Half-duration 1.4

Principal Axes:

Scale 10**23 D-CM

T Val= 7.38 Plg=37 Azm=331

N -0.98 47 115

P -6.40 19 226

Best Double Couple:Mo=6.9*10**23

NP1:Strike= 2 Dip=49 Slip= 165

NP2: 102 79 42

17 07 19 20.21 24.009S 175.844W 33km

5.2mb (8 obs.)

SOUTH OF TONGA ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 10S, 19C

Centroid Location:

Origin Time 07:19:25.0 1.7

Lat 23.90S 0.10 Lon 175.43W 0.15

Dep 18.7 5.9 Half-duration 1.4

Principal Axes:

Scale 10**

L.P.B.: 15S, 36C
 Centroid Location:
 Origin Time 01:59: 5.4 0.3
 Lat 51.81N 0.05 Lon 173.01W 0.04
 Dep 35.8 2.3 Half-duration 2.0
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 2.35 Plg=77 Azm= 17
 N 0.20 13 189
 P -2.55 2 279
 Best Double Couple:Mo=2.4*10**24
 NP1:Strike= 22 Dip=45 Slip= 108
 NP2: 177 48 73

19 08 03 26.63 0.555N 80.041W 33km
 5.0mb (36 obs.) 4.5Msz (1 obs.)
 NEAR COAST OF ECUADOR
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 8S, 13C
 Centroid Location:
 Origin Time 08:03:26.4 1.7
 Lat 0.44N 0.18 Lon 80.06W 0.29
 Dep 40.014.8 Half-duration 1.2
 Principal Axes:
 Scale 10**23 D-CM
 T Val= 3.89 Plg=64 Azm= 78
 N -0.08 9 187
 P -3.81 25 281
 Best Double Couple:Mo=3.9*10**23
 NP1:Strike= 31 Dip=22 Slip= 116
 NP2: 184 70 80

21 05 24 22.27 21.580S 174.261W 40km
 5.6mb (37 obs.) 5.2Msz (8 obs.)
 TONGA ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 31C
 Centroid Location:
 Origin Time 05:24:23.7 0.8
 Lat 21.78S 0.07 Lon 173.71W 0.08
 Dep 15.0 FIX Half-duration 1.7
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 1.60 Plg=63 Azm=297
 N 0.05 2 202
 P -1.65 27 111
 Best Double Couple:Mo=1.6*10**24
 NP1:Strike=195 Dip=18 Slip= 82
 NP2: 23 72 92

22 12 26 45.45 10.199S 161.006E 95km
 6.0mb (55 obs.)
 SOLOMON ISLANDS
 MOMENT TENSOR SOLUTION
 Dep 58 No. of sta: 10
 Principal Axes:
 Scale 10**25 d-cm
 T Val= 3.17 Plg=69 Azm=254
 N -0.48 1 162
 P -2.70 21 71
 Best Double Couple:Mo=2.9*10**25
 NP1:Strike=159 Dip=24 Slip= 87
 NP2: 342 66 91
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 40C
 Centroid Location:
 Origin Time 12:26:46.8 0.2
 Lat 10.17S 0.02 Lon 161.21E 0.02
 Dep 69.0 1.3 Half-duration 5.0
 Principal Axes:
 Scale 10**25 D-CM
 T Val= 3.00 Plg=71 Azm=284
 N -0.30 16 137
 P -2.70 10 44
 Best Double Couple:Mo=2.9*10**25
 NP1:Strike=116 Dip=38 Slip= 64
 NP2: 328 57 109

22 14 57 13.09 0.467S 124.366E 59km
 5.7mb (45 obs.)
 MOLUCCA SEA
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=239 Dip=70 Slip= 167
 NP2: 334 78 20
 Principal Axes:
 T Plg=23 Azm=197
 P 5 105
 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.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 25C
 Centroid Location:
 Origin Time 14:57:20.1 1.0
 Lat 0.21N 0.08 Lon 124.01E 0.08
 Dep 82.8 4.8 Half-duration 2.0
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 3.43 Plg=31 Azm=318
 N 0.35 53 101
 P -3.78 18 217
 Best Double Couple:Mo=3.6*10**24
 NP1:Strike=354 Dip=54 Slip= 170
 NP2: 90 82 36

25 04 49 41.75 18.244S 177.691W 634km
 5.1mb (35 obs.)
 FIJI ISLANDS REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 24C
 Centroid Location:
 Origin Time 04:49:47.5 0.7
 Lat 18.29S 0.07 Lon 177.76W 0.06
 Dep 634.9 4.1 Half-duration 2.1
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 1.94 Plg=59 Azm=149
 N 0.59 0 59
 P -2.53 31 329
 Best Double Couple:Mo=2.2*10**24
 NP1:Strike= 58 Dip=14 Slip= 90
 NP2: 239 76 90

25 09 39 46.17 61.702N 27.132W 10km
 5.3mb (53 obs.) 5.2Msz (8 obs.)
 ICELAND REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 10S, 19C
 Centroid Location:
 Origin Time 09:39:52.0 0.6
 Lat 60.99N 0.12 Lon 27.05W 0.13
 Dep 15.0 FIX Half-duration 1.7
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 1.44 Plg=11 Azm=315
 N -0.47 38 54
 P -0.97 50 212
 Best Double Couple:Mo=1.2*10**24
 NP1:Strike= 8 Dip=48 Slip=147
 NP2: 255 66 -48

26 07 48 23.52 27.067S 70.913W 31km
 5.7mb (49 obs.) 4.8Msz (1 obs.)
 NEAR COAST OF NORTHERN CHILE
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 13S, 28C
 Centroid Location:
 Origin Time 07:48:32.2 0.4
 Lat 26.99S 0.06 Lon 71.67W 0.06
 Dep 30.0 BDY Half-duration 1.7
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 1.45 Plg=70 Azm=229
 N 0.01 14 3
 P -1.46 14 97
 Best Double Couple:Mo=1.5*10**24
 NP1:Strike=206 Dip=34 Slip= 117
 NP2: 355 60 73

26 19 20 51.20 36.810N 121.275W 7km
 5.3mb (53 obs.) 5.3Msz (8 obs.)
 CENTRAL CALIFORNIA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 12S, 26C
 Centroid Location:
 Origin Time 19:21: 0.2 1.2
 Lat 37.24N 0.11 Lon 121.81W 0.07
 Dep 15.0 FIX Half-duration 1.8
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 1.60 Plg= 0 Azm=121
 N -0.20 90 180
 P -1.40 0 31
 Best Double Couple:Mo=1.5*10**24

NP1:Strike=166 Dip=90 Slip= 180
 NP2: 256 90 0

27 07 35 23.55 10.400S 161.135E 82km
 5.5mb (37 obs.)
 SOLOMON ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 41C
 Centroid Location:
 Origin Time 07:35:23.8 0.2
 Lat 10.88S 0.04 Lon 161.45E 0.03
 Dep 37.3 2.1 Half-duration 3.6
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 12.42 Plg=46 Azm=148
 N -1.82 28 272
 P -10.60 30 20
 Best Double Couple:Mo=1.2*10**25
 NP1:Strike=162 Dip=30 Slip= 162
 NP2: 267 81 61

27 10 21 59.46 23.676S 177.267W 179km
 5.1mb (33 obs.)
 SOUTH OF FIJI ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 29C
 Centroid Location:
 Origin Time 10:22: 4.5 0.7
 Lat 23.72S 0.07 Lon 177.17W 0.07
 Dep 169.4 2.1 Half-duration 2.1
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 2.16 Plg=27 Azm= 61
 N 0.06 35 172
 P -2.22 42 303
 Best Double Couple:Mo=2.2*10**24
 NP1:Strike=101 Dip=37 Slip=165
 NP2: 359 81 -54

28 06 51 45.49 1.838S 77.457W 164km
 5.2mb (69 obs.)
 ECUADOR
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 13S, 27C
 Centroid Location:
 Origin Time 06:51:51.1 0.7
 Lat 1.84S 0.07 Lon 77.76W 0.08
 Dep 166.3 3.2 Half-duration 1.8
 Principal Axes:
 Scale 10**23 D-CM
 T Val= 14.85 Plg=24 Azm= 38
 N -1.63 16 300
 P -13.22 61 180
 Best Double Couple:Mo=1.4*10**24
 NP1:Strike=157 Dip=25 Slip= -51
 NP2: 295 71 -107

28 12 32 16.64 8.800N 94.165E 27km
 5.7mb (73 obs.) 5.8Msz (14 obs.)
 NICOBAR ISLANDS REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 17S, 35C
 Centroid Location:
 Origin Time 12:32:18.6 0.2
 Lat 8.81N 0.03 Lon 94.01E 0.03
 Dep 15.0 BDY Half-duration 3.6
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 9.75 Plg= 2 Azm=301
 N 0.70 86 55
 P -10.45 4 211
 Best Double Couple:Mo=1.0*10**25
 NP1:Strike=346 Dip=86 Slip=178
 NP2: 256 88 -4

28 20 01 28.37 31.999N 5.318W 22km
 4.9mb (31 obs.)
 MOROCCO
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 13S, 20C
 Centroid Location:
 Origin Time 20:01:32.2 0.7
 Lat 32.00N 0.11 Lon 5.78W 0.14
 Dep 15.0 FIX Half-duration 1.5
 Principal Axes:
 Scale 10**23 D-CM
 T Val= 7.52 Plg=41 Azm= 58
 N -0.73 40 281

P -6.79 23 170
 Best Double Couple: $M_0=7.2 \times 10^{23}$
 NP1: Strike=212 Dip=42 Slip= 16
 NP2: 110 79 131

29 09 27 42.87 13.903N 146.329E 63km
 5.2mb (24 obs.)
 SOUTH OF MARIANA ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 10S, 21C
 Centroid Location:
 Origin Time 09:27:42.8 0.5
 Lat 13.94N 0.07 Lon 146.74E 0.05
 Dep 24.1 5.0 Half-duration 1.8
 Principal Axes:
 Scale 10^{24} D-CM
 T Val= 1.32 P1g=73 Azm=307
 N 0.24 10 182
 P -1.56 14 90
 Best Double Couple: $M_0=1.4 \times 10^{24}$
 NP1: Strike=166 Dip=33 Slip= 71
 NP2: 8 59 102

29 13 34 09.83 6.855N 76.703W 10km
 5.6mb (66 obs.) 5.3Msz (14 obs.)
 NORTHERN COLOMBIA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 29C
 Centroid Location:
 Origin Time 13:34:16.4 0.2
 Lat 7.08N 0.03 Lon 76.58W 0.03

Dep 15.0 FIX Half-duration 2.6
 Principal Axes:
 Scale 10^{24} D-CM
 T Val= 4.71 P1g= 0 Azm=227
 N -1.09 78 318
 P -3.61 12 137
 Best Double Couple: $M_0=4.2 \times 10^{24}$
 NP1: Strike=273 Dip=82 Slip=-172
 NP2: 182 82 -9

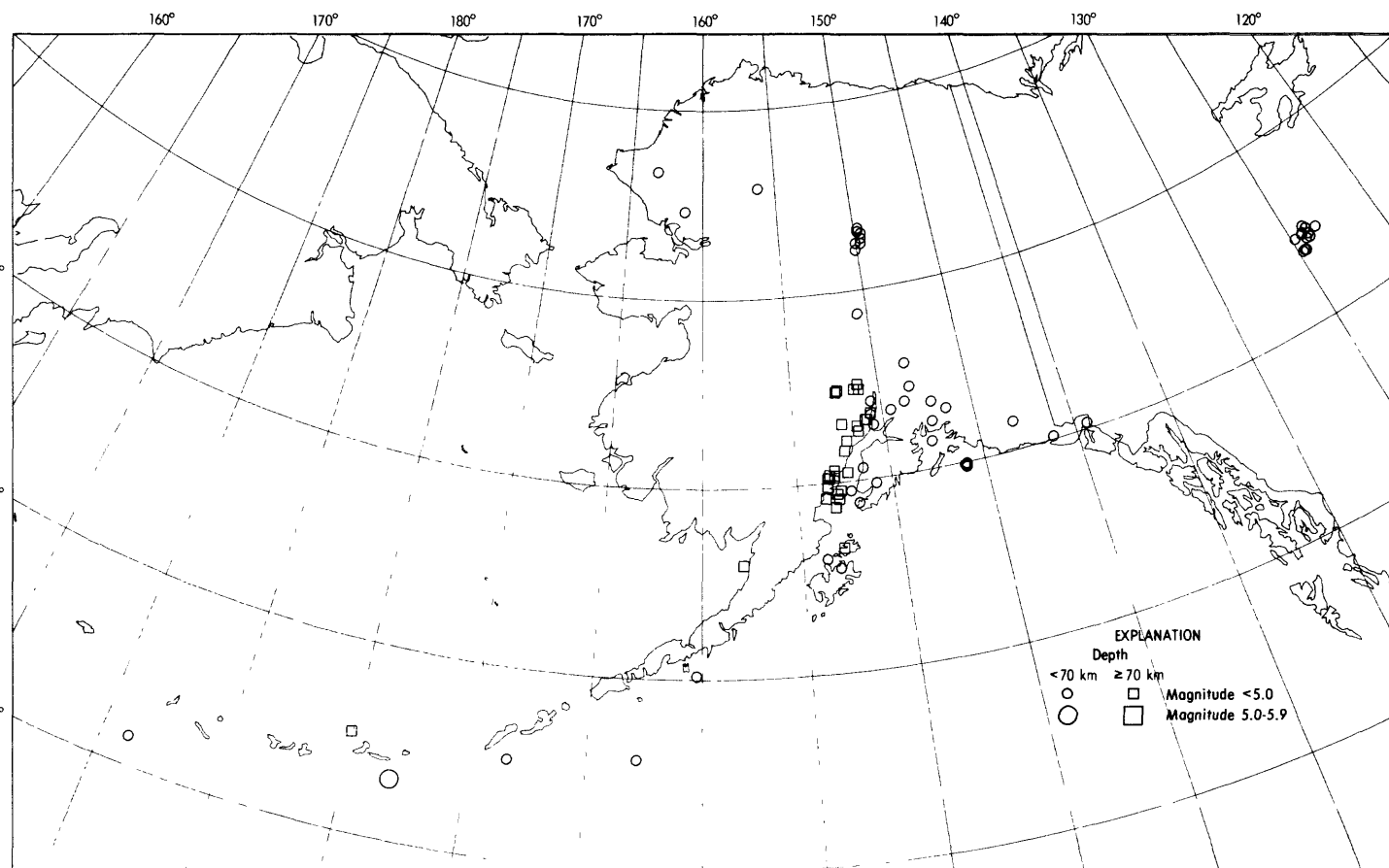
30 07 15 33.50 43.601N 127.339W 10km
 5.2mb (22 obs.)
 OFF COAST OF OREGON
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 9S, 20C
 Centroid Location:
 Origin Time 07:15:34.2 1.2
 Lat 42.97N 0.15 Lon 127.60W 0.12
 Dep 15.0 FIX Half-duration 1.6
 Principal Axes:
 Scale 10^{23} D-CM
 T Val= 8.95 P1g= 0 Azm=250
 N -0.36 90 180
 P -0.59 0 160
 Best Double Couple: $M_0=8.8 \times 10^{23}$
 NP1: Strike=295 Dip=90 Slip= 180
 NP2: 25 90 0

31 16 46 43.33 41.650N 81.162W 10km
 5.0mb (16 obs.)
 OHIO
 CENTROID, MOMENT TENSOR (HRV)

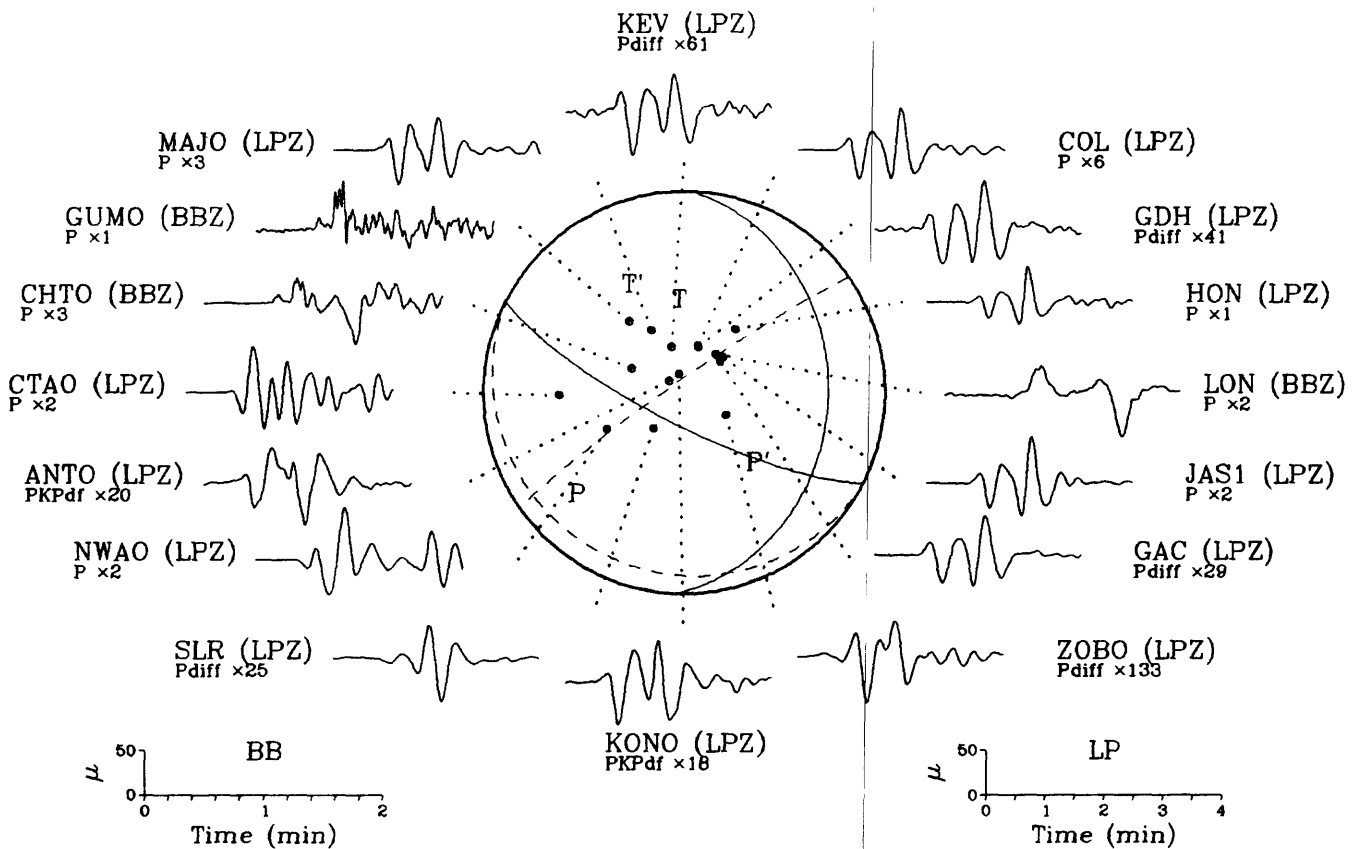
Data Used: GDSN
 L.P.B.: 9S, 16C
 Centroid Location:
 Origin Time 16:46:46.5 1.7
 Lat 41.64N FIX; Lon 81.11W FIX
 Dep 15.0 FIX Half-duration 1.2
 Principal Axes:
 Scale 10^{23} D-CM
 T Val= 3.33 P1g=17 Azm=335
 N 0.15 70 183
 P -3.48 9 68
 Best Double Couple: $M_0=3.4 \times 10^{23}$
 NP1: Strike=113 Dip=72 Slip= 6
 NP2: 21 84 161

31 17 48 04.49 42.228N 142.996E 69km
 5.3mb (63 obs.)
 HOKKAIDO, JAPAN REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 10S, 18C
 Centroid Location:
 Origin Time 17:48: 7.1 1.1
 Lat 42.20N 0.14 Lon 142.77E 0.22
 Dep 50.913.0 Half-duration 1.3
 Principal Axes:
 Scale 10^{23} D-CM
 T Val= 3.97 P1g=63 Azm=273
 N -0.69 8 18
 P -3.27 26 112
 Best Double Couple: $M_0=3.6 \times 10^{23}$
 NP1: Strike=220 Dip=20 Slip= 113
 NP2: 15 72 82

Compiled by Willis S. Jacobs, Leonard E. Kerry, Jahn H. Minsch, Russell E. Needham, Waverly J. Person,
 Bruce W. Presgrave and William H. Schmieder.

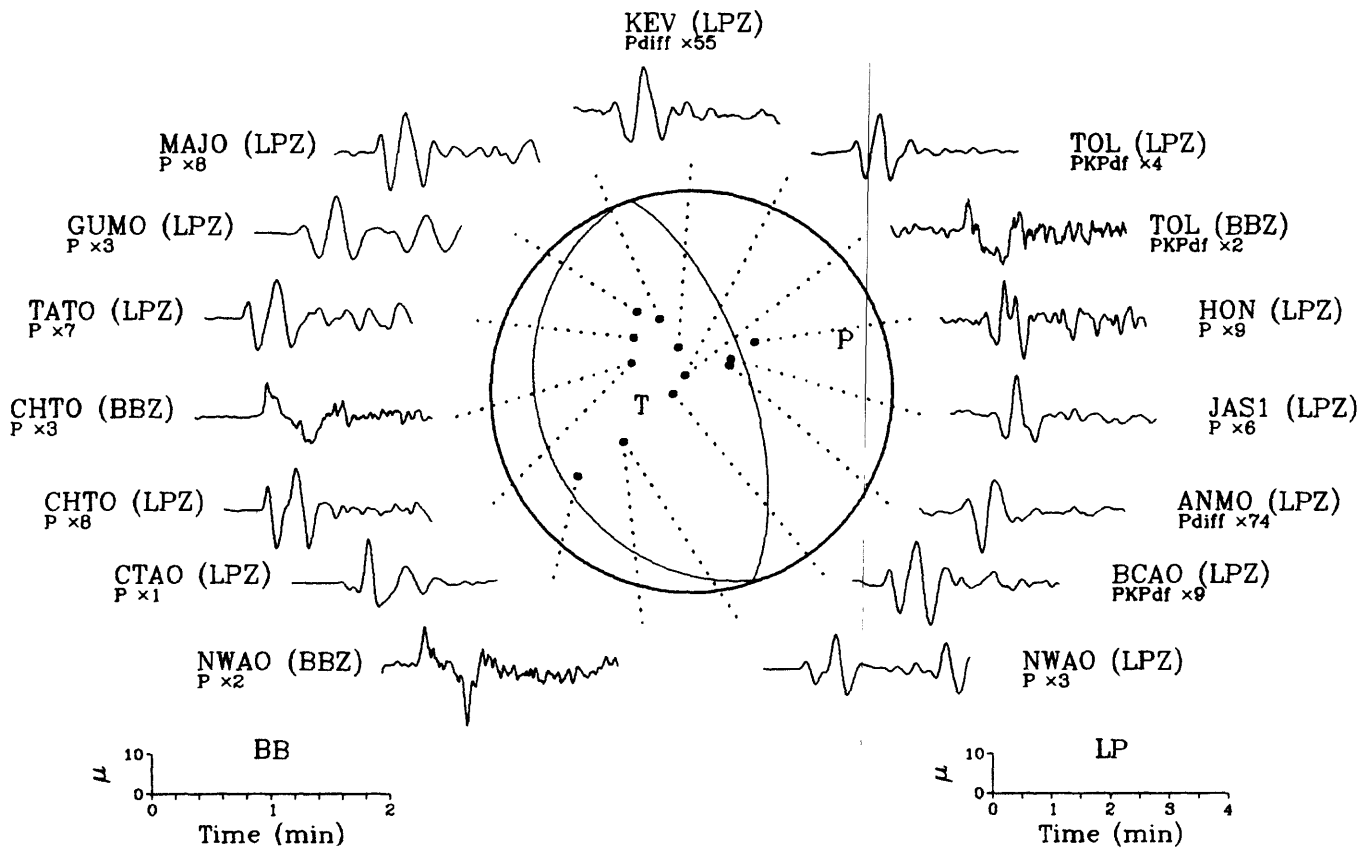


15 January 1986 20:17:42.71
Loyalty Islands Region



Source complexity is indicated by the broadband waveforms. This may account for the discrepancy between the two mechanisms.

22 January 1986 12:26:45.45
Solomon Islands



EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

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

Symbols and Abbreviations Used in Comments

- AGS Alaska Seismic Project, U.S. Geological Survey, Menlo Park, California.
 APT University of Connecticut.
 BGS British Geological Survey, Edinburgh, United Kingdom.
 BLA Virginia Polytechnic Institute and State University, Blacksburg.
 BRK University of California, Berkeley.
 CL Coda length magnitude.
 DOE U.S. Department of Energy (formerly AEC and ERDA).
 EXPLO Some or all parameters of explosion (controlled or accidental) supplied by any group or individual other than DOE or its predecessor organizations.
 GLD U.S. Geological Survey, Golden, Colorado (other than NEIS).
 GS U.S. Geological Survey, Menlo Park, California.
 HRV Harvard University, Cambridge, Massachusetts.
 HVO Hawaiian Volcano Observatory.
 JMA Japan Meteorological Agency (generally used to indicate 7-point Japanese Intensity Scale).
 LDG Laboratoire de Detection et de Geophysique, Bruyeres-le-Chatel, France.
 MACRO Hypocenter based upon macroseismic information.
 MD Duration magnitude (shown as DUR prior to 1986).
 MDD Instituto Geografico Nacional, Madrid, Spain.
 MG Contributed local or regional magnitude of unspecified type (see "Contributed Magnitudes" below).
 MW Moment Magnitude.
 NEIS U.S. Geological Survey, National Earthquake Information Service, Golden, Colorado.
 OTT Earth Physics Branch, Ottawa, Canada.
 PAL Columbia University, Lamont-Doherty Geological Observatory, Palisades, New York.
 PAS California Institute of Technology, Pasadena.
 PGC Pacific Geoscience Centre, Sidney, British Columbia, Canada.
 PMR Alaska Tsunami Warning Center, Palmer, Alaska.
 REN University of Nevada, Reno.
 RF Rossi-Forel Intensity Scale.
 SEA University of Washington, Seattle.
 SLC University of Utah, Salt Lake City.
 SLM St. Louis University, Missouri.
 SPEC An NEIS solution based on use of dense local networks, a local crustal model, or other methods not routinely applied in calculating the hypocenter parameters.
 TEIC Tennessee Earthquake Information Center, Memphis.
 TUL Oklahoma Geological Survey, Leonard.
 WES Weston Observatory, Massachusetts.

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

° ' " Geographic degrees, minutes, seconds.

-P Supplied hypocenter is a preliminary computation.

Any additional 3 to 5 letter codes enclosed in parentheses or angle brackets refer to individual station codes. These codes may be found in Geological Survey Open File Report 85-714, Seismograph Station Codes and Coordinates (1985).

Symbols Following Depth

- N Indicates the depth was restrained at 33 km for earthquakes whose character on seismograms indicates a shallow focus but whose depth is not satisfactorily determined by the data.
 D Indicates the depth was restrained by the computer program based on 2 or more compatible pP phases and/or unidentified secondary arrivals used as pP.
 G Indicates the depth was restrained by a geophysicist.
 * Indicates a less well-constrained free depth. The 90% marginal confidence interval on depth is greater than 8.5 km and less than or equal to 16.0 km.
 ? Indicates a poorly-constrained free depth. The 90% marginal confidence interval on depth is greater than 16.0 km.

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

Symbols Following Origin Time

- & Indicates that parameters of the hypocenter were supplied or determined by a computational procedure not normally used by the National Earthquake Information Service (NEIS). The source or nature of the determination is indicated by a 2 to 5 letter code enclosed by angle brackets and appearing in the first line of comments. A "-P" appended to the code indicates that the computation is preliminary. These codes are included with the list of abbreviations above.
 - % Indicates a single network solution. A non-furnished hypocenter has been computed using data reported by a single network of stations for which the date and/or origin time cannot be confirmed from seismograms available to a NEIS analyst. The geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is less than or equal to 16.0 km.
 - Indicates a less reliable solution. In general, the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is greater than 8.5 km and less than or equal to 16.0 km.
 - ? Indicates a poor solution, published for completeness of the catalog. In general, the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is greater than 16.0 km. This includes a poor solution computed using data reported by a single network.
- The lack of any symbol indicates that the geometric mean of the semi-major and semi-minor axes of the horizontal 90% confidence ellipse is less than or equal to 8.5 km.

COMPARISON OF RATINGS OF INTENSITY SCALES APPEARING IN
PRELIMINARY DETERMINATION OF EPICENTERSU.S.A. Modified
Mercalli (M.M.),
1931Japanese, 1950
(JMA)Rossi-Forel, 1873
(RF)European (Mercalli -
Cancani-Sieberg), 1917

I	0	I	I
II	I	I-II	II
III	II	III	III
IV	II-III	IV-V	IV
V	III	V-VI	V
VI	IV	VI-VII	VI
VII	IV-V	VIII-	VII
VIII	V	VIII-IX	VIII
IX	V-VI	IX+	IX
X	VI	X	X
XI	VII	X	XI
XII	VII	X	XII

TRAVEL-TIME TABLES

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

FAULT PLANE SOLUTIONS

A fault plane solution is determined when possible for any earthquake having a magnitude ≥ 5.8 . A description of this solution is reported in the comments on the Preliminary Determination of Epicenters Monthly Listing. Focal sphere solutions and first motion parameters are available upon request from: National Earthquake Information Service, U.S. Geological Survey, Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225.

NEIS MAGNITUDES

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

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

$$M_s = \text{Lag } (A/T) + 1.66 \text{ Lag } D + 3.3$$

where:

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

T is the period in seconds.

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

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

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

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

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

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

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

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

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

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

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

ML These local magnitudes are computed according to the formula:

$$M_L = \text{Lag } A - \text{Lag } A_0$$

defined by Richter (1935) where A is the maximum trace amplitude in micrometers recorded on a standard short-period torsion seismometer and Lag A₀ is a standard value as a function of distance where distance ≤ 600 km.

CONTRIBUTED MAGNITUDES

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

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

REFERENCES

- Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: *Annali di Geofisica*, v. 9, no. 1, p. 1-15.
- Nuttli, O. W., 1973, Seismic wave attenuation and magnitude relations for eastern North America: *Journal of Geophysical Research*, v. 78, no. 5, p. 876-885.
- Richter, C. F., 1935, An instrumental earthquake scale: *Bulletin of the Seismological Society of America*, v. 25, p. 1-32.

WAVEFORM PLOTS

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

Each waveform will be identified by station code, data type, phase name and scale factor. The data type indicated by LP will be from the long-period channel of the designated station. Each LP waveform will be comprised of approximately one-half minute of noise followed by three minutes of signal. Time and amplitude are referenced to a set of axes shown in the lower right hand corner of each plot. The scale factor is an integer from which absolute amplitude, in micrometers of ground displacement at the dominant period of the pass-band (25 s), may be determined. Absolute amplitude may be recovered by measuring the amplitude of the seismogram relative to the amplitude axis and dividing it by the scale factor. Other data types are indicated by IP (intermediate-period channel), SP (short-period channel), and BB (broad-band displacement). As these types of data have a different pass-band than LP data, different time and amplitude scales than those used for LP data will generally be needed. These scales will be shown in the lower left hand corner of each plot. As with the LP waveforms, the absolute amplitudes of the other data types may be recovered from the amplitude scale and the scale factor. For IP data, the absolute amplitude is referenced to 10 seconds. For SP data, the absolute amplitude is referenced to the dominant period of the pass-band (1 s). BB data are directly proportional to displacement from 0.01 Hz to at least 2 Hz. In addition, each component will be identified by a direction indicator (i.e. N, E, and Z for north-south, east-west, and vertical, respectively). Note that the dominant period approximation will not be valid for IP data. However, the scaling will still be correct.

Waveforms will primarily be selected to display variations in the P waveform as a function of azimuth. If space permits, some PKP waveforms may be shown as well. To this end, waveforms which are clipped, non-linear, or very noisy will be rejected. Further, only one of several stations at similar distance and azimuth may be used if all show similar waveforms. Note that the importance of a record in focal parameter derivation will not be considered. Thus, many seismograms will be shown which have not been used in the USGS moment tensor solution. Conversely, records which have been important in constraining one or both solutions may have been passed over for lack of space. The data are derived from the U.S.G.S. Global Digital Seismograph Network (GDSN) and from data contributed by other organizations for distribution on either the Network Day Tapes or Event Tapes. For details on data sources, see the National Earthquake Information Center Newsletter.

R. P. Buland and M. Zirbes, U.S. Geological Survey, Mail Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225 USA

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

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

1. NUMBER OF STATIONS: Number of GDSN stations with distances between approximately 30 and 95 degrees found to have suitable P waveforms. Only unfiltered long-period vertical components are used.
2. DEPTH: The source depth which gives the smallest normalized mean-squared-error. This is the only hypocentral parameter determined since the inversion procedure is insensitive to small errors in both epicenter and origin time.
3. SCALE)
4. PRINCIPAL AXES) See "Centroid, Moment Tensor (HRV)"
5. BEST DOUBLE COUPLE)

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

REFERENCES

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

BERKELEY MOMENT

The seismic moment (M_0) contributed by the University of California, Berkeley (BRK), is given for regional earthquakes based on Wood-Anderson torsion seismograms recorded within 300 km of the epicenter with peak-to-peak amplitudes of at least 3 mm. This seismic moment (M_0) in dyne-cm is defined by $\log M_0 = 16.74 + 1.22 \log(CD\Delta)$, where C is the maximum peak-to-peak amplitude in mm, D is the duration in seconds from the time of the S-wave onset to the last time that the peak-to-peak amplitude exceeds $C/3$, and Δ is the epicentral distance in km.

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

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

These solutions have been determined using the long period body and mantle wave moment tensor inversion method described by Dziewonski, et.al. (1981) considering corrections due to an aspherical earth structure of model MB4C (Woodhouse and Dziewonski, 1984).

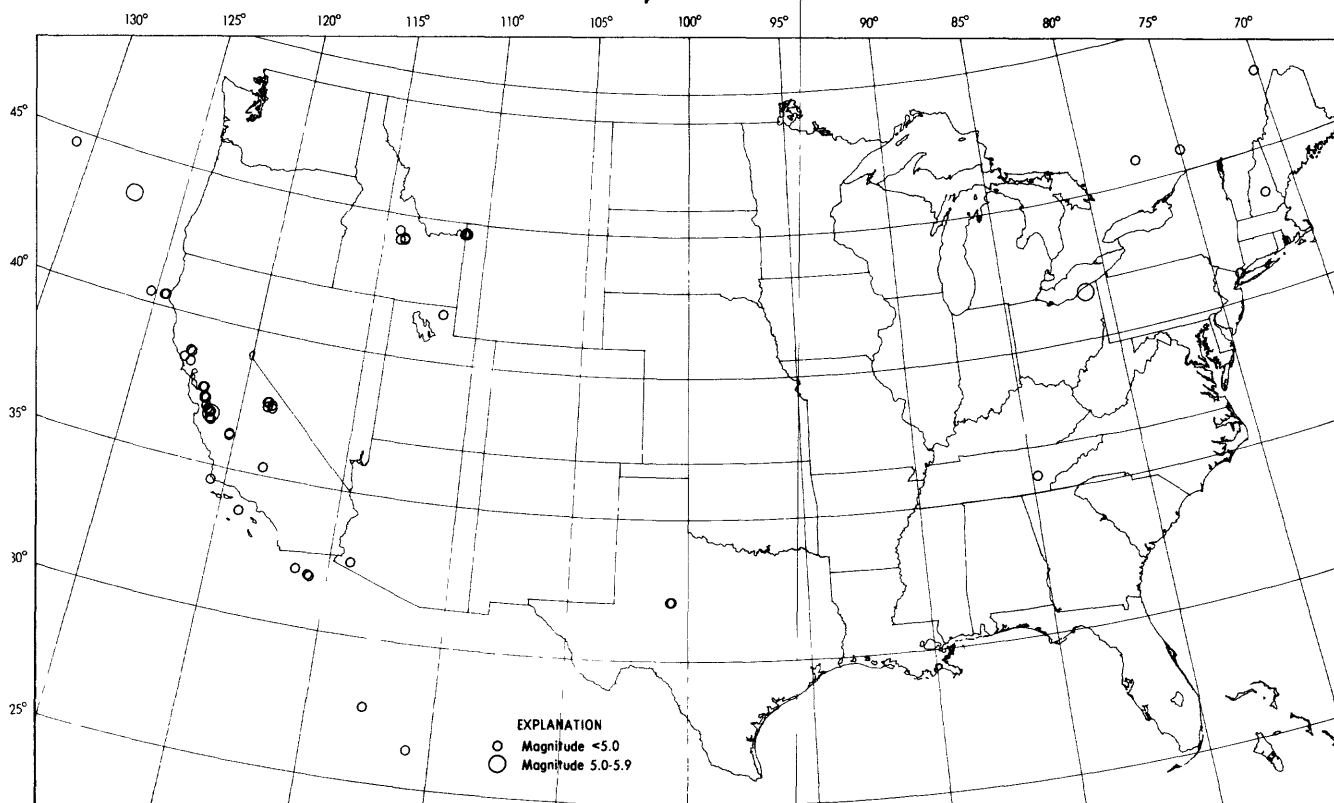
1. DATA USED; currently both GDSN and IDA data are used. The numbers following the entries L. P. BODY WAVES and MANTLE WAVES indicate the number of stations (S), total number of records (C) and T is the cut-off period of the low pass filter for each of the subsets of data. Mantle waves are routinely used in inversion for sources with moments greater than 10^{26} dyne-cm.
2. CENTROID LOCATION; hypocentral parameters obtained by adding perturbations resulting from inversion to the parameters reported in the PDE; standard errors follow the individual entries. If a given parameter is not perturbed in inversion, this is indicated by the letters FIX. If the depth is fixed to be consistent with waveform matching of reconstructed broad-band body waves, this is indicated by the letters BDY. The default depth for shallow earthquakes is increased to 15 km. in order to improve the stability of solutions; it was 10 km. in 1981-1985.
3. MOMENT TENSOR. The scale factor (e.g., 10^{27} D-CM) is the number by which all subsequent entries related to values of the moment should be multiplied. For the moment tensor we give components in a spherical coordinate system: MRR = Mrr; MTT = M $\theta\theta$; MFF = M $\phi\phi$; MRT = Mr θ ; MRF = Mr ϕ ; MTF = M $\theta\phi$. In another frequently used notation: MRR = Mzz; MTT = Mxx; MFF = Myy; MRT = Mxz; MRF = -Myz; MTF = -Mxy (see Aki and Richards, 1980, p. 118). The solutions are constrained to have MRR + MTT + MFF = 0. The values following the entries for the elements of the moment tensor and centroid co-ordinates are standard errors, calculated under the usual assumption of uncorrelated errors in the data. The lateral heterogeneity of the Earth, however, clearly leads to systematic errors, and so the errors listed probably underestimate the true error in the solution.
4. PRINCIPAL AXES; rotation of the moment tensor into the principal axes system. Most of the solutions are predominantly of the double couple type: the largest positive eigenvalue corresponds to the tension axis (T); the usually small, intermediate eigenvalue is associated with the null axis (N); the smallest negative eigenvalue is identified with the compression axis (P). PLG are the plunges and AZM the azimuths of the axes.
5. BEST DOUBLE COUPLE. If the eigenvalue (T) is σ_1 and (P) is $-\sigma_2$, then the scalar seismic moment is defined as $M_0 = 1/2(\sigma_1 + \sigma_2)$. The strike, dip and slip of the first (NP1) and second (NP2) nodal planes are calculated from the directions of the P, T, and N axes. The remainder is a linear-vector dipole (Knopoff and Randall, 1970); in most cases the magnitude of LVD is small. Although all such decompositions are highly non-unique, this particular one is the best in estimating the starting solution for the non-linear, constrained double couple inverse problem. The angles strike, dip, and slip are defined using the convention of Aki and Richards (1980, p. 106) and are the angles designated there as ϕ_s, δ, λ , respectively.

A. M. Dziewonski, G. Ekstrom, J. Franzen, D. Giardini and J. H. Woodhouse, Department of Geological Sciences, Harvard University, Cambridge, MA 02138

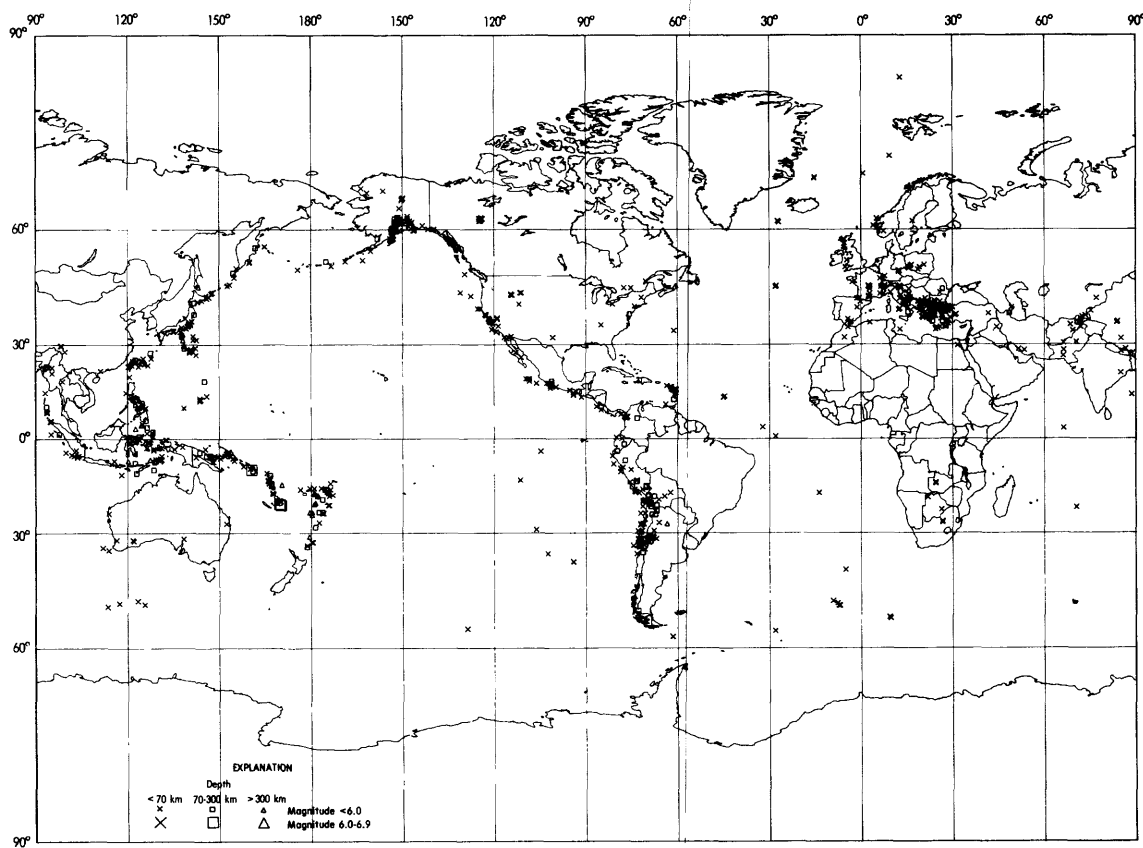
REFERENCES

- Aki, K. and Richards, P. G., *Quantitative Seismology*, Volume 1, W. H. Freeman, San Francisco, 1980, 557 pp.
- Dziewonski, A. M., Chou, T. A., Woodhouse, J. H., Determination of earthquake source parameters from waveform data for studies of global and regional seismicity, *J. Geophys. Res.*, 86, 2825-2852, 1981.
- Knopoff, L. and Randall, M. J., The compensated linear-vector dipole: A possible mechanism for deep earthquakes, *J. Geophys. Res.*, 75, 4957-4963, 1970.
- Woodhouse, J. H. and A. M. Dziewonski, Mapping the upper mantle: Three dimensional modelling of earth structure by inversion of seismic waveforms, *J. Geophys. Res.*, 89, 5953-5986, 1984.

21



Earthquake epicenters in the conterminous United States and adjacent regions for January, 1986 (C. Stover).





PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

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

F E B R U A R Y 1 9 8 6

K DAY E Y	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT LONG	DEPTH	MAGNITUDES GS MB Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00 00 59.1*	7.163 N 76.144 W	33 N	4.9 3.6	1.1	8	NORTHERN COLOMBIA
01	01 20 24.5	40.807 N 27.612 E	20 *		0.3	8	TURKEY
01	02 32 45.7	37.451 N 118.452 W	5 G		0.5	14	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (PAS).
01	02 45 16.8*	10.582 S 160.713 E	33 N	4.4	1.1	8	SOLOMON ISLANDS
01	02 56 55.8	40.783 N 27.561 E	25	3.8	1.0	36	TURKEY
01	03 01 00.3*	40.809 N 27.531 E	10 G		0.9	7	TURKEY
01	03 04 12.1*	40.822 N 27.567 E	10 G		0.6	6	TURKEY
01	03 31 39.2*	17.48 N 99.93 W	33 N	4.1	0.8	8	GUERRERO, MEXICO
01	03 31 53.5	43.688 N 143.294 E	197	4.9	0.9	128	HOKKAIDO, JAPAN REGION. Felt (1 JMA) at Kushiro. Also felt at Hochinohe, Honshu.
01	03 49 06.1*	40.781 N 27.369 E	10 G		1.4	6	TURKEY
01	04 11 21.4*	66.24 N 149.96 W	10 G		1.1	5	ALASKA. ML 3.4 (PMR).
01	04 16 27.1*	17.80 S 65.93 W	33 N		0.9	5	BOLIVIA
01	04 48 09.3*	40.812 N 27.590 E	10 G		0.5	6	TURKEY
01	05 14 31.5*	37.207 N 69.728 E	33 N	4.5	0.2	5	AFGHANISTAN-USSR BORDER REGION
01	06 00 05.5	42.448 N 19.949 E	10 G		1.3	10	YUGOSLAVIA. MD 3.0 (TTG).
01	06 08 56.5	31.129 S 69.179 W	129	4.1	0.8	20	SAN JUAN PROVINCE, ARGENTINA
01	06 09 54.4	44.610 N 111.023 W	5 G		0.5	9	HEBGEN LAKE REGION. ML 2.8 (NEIS).
01	08 51 25.8	37.471 N 118.784 W	5 G		0.6	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (BRK).
01	09 55 33.5	11.567 N 86.887 W	33 N	4.5 4.4	1.3	32	NEAR COAST OF NICARAGUA
01	10 10 25.1*	29.822 N 113.883 W	10 G	4.5	1.3	13	GULF OF CALIFORNIA
01	11 05 40.4*	51.60 N 20.50 E	10 G		1.5	5	POLAND. ML 2.7 (KRA).
01	11 14 15.2	42.352 N 19.924 E	10 G		0.8	7	YUGOSLAVIA. MD 2.8 (TTG).
01	12 18 57.3*	50.054 S 7.177 W	10 G	5.3 4.3	0.7	9	SOUTH ATLANTIC RIDGE
01	13 58 38.8*	31.820 S 72.514 W	49 *		0.8	18	OFF COAST OF CENTRAL CHILE
01	14 06 56.1*	31.877 S 72.738 W	33 N		1.4	11	OFF COAST OF CENTRAL CHILE
01	14 39 27.6*	31.497 S 68.670 W	107 *		0.9	15	SAN JUAN PROVINCE, ARGENTINA
01	14 57 52.0	16.061 N 95.312 W	18	5.0	0.9	73	OAXACA, MEXICO
01	15 00 35.8	2.906 N 124.075 E	392 *	4.9	1.0	24	CELEBES SEA
01	15 03 17.6*	40.810 N 27.546 E	10 G		0.5	6	TURKEY
01	15 05 06.0*	31.999 S 72.296 W	10 G		0.7	16	OFF COAST OF CENTRAL CHILE
01	15 34 15.8	42.315 N 18.952 E	10 G		0.4	6	YUGOSLAVIA. MD 2.6 (TTG).
01	16 29 10.7*	31.587 S 68.286 W	5 ?		1.2	6	SAN JUAN PROVINCE, ARGENTINA
01	17 35 34.9	50.047 S 7.012 W	10 G	4.8	1.0	14	SOUTH ATLANTIC RIDGE
01	18 21 15.8*	50.24 S 7.19 W	10 G	4.4	0.9	12	SOUTH ATLANTIC RIDGE
01	20 48 12.0*	17.24 N 62.32 W	17		0.3	10	LEEWARD ISLANDS. ML 3.9 (FDF).
01	20 55 37.8*	7.848 S 117.497 E	268 ?	3.9	0.8	10	BALI SEA
a 02	01 44 05.4	13.626 S 166.693 E	31 G	5.8 5.6	1.2	122	VANUATU ISLANDS. Depth from broadband displacement seismograms.
a 02	05 29 38.6	44.908 N 28.159 W	10 G	5.0 5.2	1.1	119	NORTH ATLANTIC RIDGE
02	06 02 56.2*	31.661 S 117.078 E	33 N		1.5	5	WESTERN AUSTRALIA
02	06 50 21.2*	6.26 S 130.60 E	123 ?	4.6	1.2	15	BANDA SEA
02	07 13 26.4*	25.242 S 176.850 W	33 N	5.1	1.2	21	SOUTH OF FIJI ISLANDS
02	07 20 17.6*	15.501 N 60.651 W	33 N		0.4	8	LEEWARD ISLANDS. ML 2.8 (FDF).
02	09 12 26.2	5.001 S 152.531 E	70 *	3.7	0.8	9	NEW BRITAIN REGION
02	10 08 48.5*	31.870 N 115.800 W	6 G			6	BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
02	10 25 31.6	44.567 N 10.366 E	24		0.9	29	NORTHERN ITALY. ML 3.4 (LDG), 3.4 (KBA).
02	13 29 44.8	17.386 N 145.477 E	475 *	4.5	0.9	30	MARIANA ISLANDS
02	14 44 59.7*	41.838 N 141.705 E	33 N	4.3	1.5	10	HOKKAIDO, JAPAN REGION
02	16 23 06.1*	31.862 S 66.766 W	33 N		0.8	7	LA RIOJA PROVINCE, ARGENTINA
02	18 12 38.3*	31.22 S 68.60 W	102 *		1.0	8	SAN JUAN PROVINCE, ARGENTINA
02	18 47 47.2	24.883 N 123.120 E	10 G	4.8	1.0	19	SOUTHWESTERN RYUKYU ISLANDS
02	19 31 22.8*	40.802 N 124.063 W	25 G			6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
02	20 39 45.1*	51.42 N 179.29 E	33 N	4.5	1.0	19	RAT ISLANDS, ALEUTIAN ISLANDS
02	22 04 36.2*	61.984 N 124.349 W	10 G	4.2	1.3	9	NORTHWEST TERRITORIES, CANADA
02	22 07 30.3	36.957 N 120.994 W	5 G		0.7	11	CENTRAL CALIFORNIA. ML 2.6 (BRK).
02	22 11 36.4*	36.99 N 22.03 E	10 G		1.0	5	SOUTHERN GREECE. ML 3.3 (ATH).
02	22 44 26.7*	2.895 N 95.711 E	31	4.7	0.9	12	OFF W COAST OF NORTHERN SUMATRA

02	23	28	09.2*	13.552 S	166.354 E	33 N	4.2	1.4	12	VANUATU ISLANDS
03	00	33	08.0	36.949 N	71.900 E	131 ?	4.7	1.1	34	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Khorog, USSR.
03	00	53	07.97	20.72 S	171.60 E	33 N	4.5	0.4	6	VANUATU ISLANDS REGION
03	00	53	39.87	33.28 S	70.83 W	30 *		1.0	6	CHILE-ARGENTINA BORDER REGION
03	01	14	12.5	28.202 N	140.728 E	33 N		0.7	12	BONIN ISLANDS REGION
03	03	36	29.9	42.341 N	20.005 E	10 G		0.4	6	YUGOSLAVIA. MD 2.6 (TTG).
03	04	07	59.9*	33.921 N	134.781 E	48 ?		0.6	9	SHIKOKU, JAPAN. Felt (I JMA) at Tokushima. Also felt (I JMA) at Wakayama, Honshu.
03	05	18	17.5&	31.842 N	115.757 W	8 G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.7 (ECX).
03	05	22	13.9*	23.987 S	66.748 W	212		1.4	11	JUJUY PROVINCE, ARGENTINA
03	06	20	41.7*	11.615 S	117.478 E	33 N	4.3	1.4	8	SOUTH OF SUMBAWA ISLAND
03	06	34	49.8*	31.624 S	71.674 W	33 N		0.4	9	NEAR COAST OF CENTRAL CHILE
03	08	11	24.1*	6.333 S	149.065 E	65 ?	4.0	0.6	6	NEW BRITAIN REGION
03	08	45	50.5*	30.248 S	177.838 W	33 N	5.2	1.4	19	KERMADEC ISLANDS. Felt on Rooul Island.
03	10	20	46.6	43.103 N	2.137 W	10 G		1.1	17	SPAIN. ML 3.3 (LDG), 3.3 (MDD).
03	10	39	55.8*	32.771 S	69.360 W	10 G		0.5	6	MENDOZA PROVINCE, ARGENTINA
03	11	01	22.1&	19.357 N	155.022 W	7			36	HAWAII. <HVO-P>. ML 4.0 (HVO). Felt.
03	11	52	12.7*	13.581 S	166.757 E	33 N	4.1	1.2	13	VANUATU ISLANDS
03	12	28	09.2&	32.250 N	117.730 W	6 G			10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
03	13	12	43.9*	10.699 S	160.492 E	33 N	4.4	0.3	8	SOLOMON ISLANDS
03	14	46	52.0	42.272 N	19.983 E	10 G		0.6	6	YUGOSLAVIA. MD 2.6 (TTG).
03	15	12	46.7	15.075 N	92.072 W	16	4.7	1.2	46	MEXICO-GUATEMALA BORDER REGION. About 500 houses damaged at Ixchiquan, San Marcos Province, Guatemala. Damage to adobe houses in Mexico near the Tocono Volcano. Felt at Tapachula, Mexico.
03	15	48	06.6*	33.584 S	72.441 W	18	4.5	1.4	17	OFF COAST OF CENTRAL CHILE
03	15	50	35.0	0.066 S	129.669 E	33 N	4.8	1.4	42	HALMAHERA
03	15	56	55.6*	36.338 N	70.942 E	33 N	4.7	1.1	15	HINDU KUSH REGION
03	17	03	08.4&	59.007 N	153.964 W	105			24	SOUTHERN ALASKA. <AGS-P>.
03	17	26	24.0	21.245 S	68.699 W	111 *	4.5	0.6	9	CHILE-BOLIVIA BORDER REGION
03	18	57	47.1	33.224 S	70.533 W	98 ?		0.3	10	CHILE-ARGENTINA BORDER REGION
03	19	37	29.3*	18.996 S	169.427 E	254 *	4.8	1.1	20	VANUATU ISLANDS
03	20	25	01.4*	62.427 N	124.392 W	10 G		0.4	5	NORTHWEST TERRITORIES, CANADA
03	20	45	27.3	39.902 N	122.821 W	5 G		1.3	7	NORTHERN CALIFORNIA. ML 2.8 (BRK).
f 03	20	47	35.3	27.791 N	139.552 E	508 G	5.8	1.2	432	BONIN ISLANDS REGION. mb 6.5 (PAS). Felt (I JMA) on Chichi-shimo. Felt (I JMA) at Gifu, Tokyo and Fukushima, Honshu. Depth from broadband displacement seismograms.
03	22	09	40.17	50.72 N	18.90 E	10 G		1.2	7	POLAND. ML 3.1 (KRA).
03	22	23	16.4*	27.454 N	139.812 E	33 N		1.0	6	BONIN ISLANDS REGION
03	23	41	59.8	8.808 N	122.702 E	65 *	4.9	1.2	34	MINDANAO, PHILIPPINE ISLANDS
03	23	43	16.77	34.66 N	62.29 W	10 G	3.9	1.0	7	NORTH ATLANTIC OCEAN
04	00	37	51.07	39.080 N	29.084 E	10 G		1.3	10	TURKEY
04	00	46	57.27	31.25 S	69.91 W	33 N		1.3	6	SAN JUAN PROVINCE, ARGENTINA
04	04	56	58.0	28.365 N	140.512 E	75 *	4.8	0.8	31	BONIN ISLANDS REGION
04	05	29	02.57	42.31 N	18.94 E	10 G		0.4	4	YUGOSLAVIA. ML 2.2 (TTG).
04	06	40	11.97	42.31 N	18.94 E	10 G		0.2	4	YUGOSLAVIA. ML 2.0 (TTG).
04	06	55	54.9	48.036 N	6.656 E	14		0.7	18	FRANCE. ML 3.1 (LDG).
04	07	03	40.7	48.036 N	6.687 E	10 G		0.5	7	FRANCE. ML 2.6 (LDG).
04	07	29	35.97	31.37 S	67.72 W	10 G		0.5	6	SAN JUAN PROVINCE, ARGENTINA
04	07	52	26.2&	62.385 N	150.912 W	76			23	CENTRAL ALASKA. <AGS-P>.
04	08	04	05.0	47.584 N	152.646 E	141 D	5.0	0.8	98	KURIL ISLANDS
04	09	02	42.3*	42.271 N	18.917 E	10 G		0.5	6	YUGOSLAVIA. MD 2.4 (TTG).
04	12	27	38.3&	60.512 N	151.816 W	73			34	KENAI PENINSULA, ALASKA. <AGS-P>.
04	13	30	59.4	19.617 S	175.397 W	213 *	5.3	1.3	56	TONGA ISLANDS
04	14	15	38.77	13.65 N	87.92 W	33 N	3.7	1.0	10	HONDURAS
04	15	48	53.9	4.708 N	127.633 E	126 *	4.9	0.9	51	TALAUD ISLANDS
04	17	49	49.6*	18.028 S	178.070 W	571 *	4.8	1.1	28	FIJI ISLANDS REGION
04	19	43	56.6	36.426 N	70.696 E	203 D	4.8	0.9	122	HINDU KUSH REGION. Felt (III) at Khorog, USSR.
04	19	57	43.3&	57.470 N	151.436 W	56			26	KODIAK ISLAND REGION. <AGS-P>.
04	20	26	16.7*	8.230 S	119.930 E	204 ?	4.2	1.1	10	FLORES ISLAND REGION
04	21	23	44.9*	16.298 N	46.623 W	10 G	4.6	1.0	10	NORTH ATLANTIC RIDGE
04	22	33	40.77	29.61 S	177.84 W	87 *	4.9	1.3	15	KERMADEC ISLANDS. Felt on Rooul Island.
04	23	05	06.27	33.41 S	179.19 W	33 N	3.9	1.2	8	SOUTH OF KERMADEC ISLANDS
04	23	56	06.8*	39.246 N	27.714 E	10 G		1.1	7	TURKEY
05	00	39	19.67	16.64 S	177.75 W	420	3.8	1.1	15	FIJI ISLANDS REGION
05	01	12	22.0	30.220 S	64.336 W	10 G	4.8	1.1	24	CORDOBA PROVINCE, ARGENTINA. Felt at Cordoba.
05	01	43	21.8*	31.987 S	72.141 W	10 G		0.8	12	OFF COAST OF CENTRAL CHILE
05	03	39	40.9	10.086 S	161.269 E	101 *	4.6	0.8	13	SOLOMON ISLANDS
05	05	37	16.9	7.205 S	126.662 E	391 *	4.9	1.1	33	BANDA SEA
05	06	02	25.17	43.47 N	2.70 E	10 G		0.5	5	FRANCE. ML 3.1 (LDG).
05	07	15	07.6*	67.883 N	156.503 W	10 G	4.0	1.2	12	ALASKA
05	09	32	12.6	28.295 N	140.507 E	42 *	4.8	1.3	27	BONIN ISLANDS REGION
05	10	00	11.0	80.861 N	122.077 E	10 G	4.9	1.1	25	EAST OF SEVERNAYA ZEMLYA
05	10	18	56.4&	61.664 N	150.693 W	59			44	SOUTHERN ALASKA. <AGS-P>.
05	12	00	07.97	40.45 N	124.73 W	10 G		0.8	9	NEAR COAST OF NORTHERN CALIF. ML 2.9 (BRK).
05	13	25	40.4*	28.469 S	69.349 W	106 *		1.0	12	CHILE-ARGENTINA BORDER REGION
05	14	26	18.9	44.643 N	111.076 W	5 G		0.9	11	HEBGEN LAKE REGION. ML 3.4 (NEIS).
05	14	34	55.2*	5.129 N	126.016 E	33 N	4.7	1.1	16	MINDANAO, PHILIPPINE ISLANDS
05	14	37	01.6	44.636 N	111.073 W	5 G		0.6	11	HEBGEN LAKE REGION. ML 2.9 (NEIS).
05	15	01	38.0	5.679 S	152.683 E	33 N	4.0	1.1	14	NEW BRITAIN REGION
05	15	25	24.37	44.17 N	114.19 W	5 G		1.1	6	WESTERN IDAHO. ML 2.8 (NEIS).
05	15	45	34.1	67.901 N	156.160 W	33 N	4.5	1.5	33	ALASKA
05	17	42	45.9*	61.960 N	124.403 W	10 G		1.2	6	NORTHWEST TERRITORIES, CANADA
05	17	53	32.9	62.775 N	4.808 E	30	5.0	1.2	63	NORWEGIAN SEA. ML 4.7 (EDI), MD 4.2 (BER). Felt (VI) in western Norway.
05	18	00	38.2	5.842 S	104.275 E	33 N	5.1	1.0	87	SOUTHERN SUMATRA
05	18	23	04.77	38.73 N	20.28 E	10 G		1.5	5	GREECE. ML 3.7 (ATH).
05	18	43	46.4	40.754 N	23.097 E	10 G		0.8	11	GREECE
05	18	50	05.17	62.39 N	4.61 E	10 G		0.6	5	NORWEGIAN SEA. MD 2.8 (BER).
05	19	51	30.5	1.092 N	127.244 E	140 ?	5.0	0.8	29	HALMAHERA
05	21	08	50.2	50.197 N	12.403 E	10 G		1.1	7	GERMANY

05	21	54	27.27	32.53	N	142.19	E	33	N	3.7	1.4	6	SOUTH OF HONSHU, JAPAN
05	21	59	36.5	29.792	N	98.328	E	33	N	5.1 4.3	1.0	111	TIBET
05	22	52	51.5	46.263	N	12.657	E	15			1.3	35	NORTHERN ITALY. ML 3.3 (FUR), 3.3 (LDG), 3.1 (KBA), 3.1 (TRI).
05	23	00	45.3*	45.790	N	27.637	W	10	G	4.3	1.0	12	NORTH ATLANTIC RIDGE
05	23	27	53.6*	17.497	S	178.949	W	566		4.2	0.6	15	FIJI ISLANDS REGION
05	23	31	14.9*	31.731	S	69.455	W	127	?		0.8	8	SAN JUAN PROVINCE, ARGENTINA
06	00	33	31.57	50.94	N	19.65	E	10	G		1.2	6	POLAND. ML 2.8 (KRA).
06	01	08	10.0	43.610	N	0.552	W	10	G		1.1	25	PYRENEES. ML 3.7 (LDG), 3.7 (MDD). Felt (IV).
06	01	31	14.0	42.190	N	20.016	E	10	G		1.0	10	YUGOSLAVIA. MD 2.6 (TTG).
06	04	51	51.9	28.718	S	70.762	W	101	*		1.0	26	CENTRAL CHILE
06	04	53	45.3*	44.690	N	9.829	E	10	G		1.2	7	NORTHERN ITALY. ML 2.7 (LDG).
06	05	24	04.7*	4.679	S	150.931	E	33	N	4.2	0.8	10	NEW BRITAIN REGION
06	06	00	32.5	50.247	N	12.427	E	10	G		0.2	6	GERMANY
06	07	17	21.4%	40.096	N	29.325	E	10	G		0.7	6	TURKEY
06	07	59	02.2	44.224	N	7.624	E	10	G		0.7	12	NORTHERN ITALY. ML 2.9 (LDG).
06	08	26	24.3	44.215	N	7.492	E	9			1.0	41	NORTHERN ITALY. ML 3.5 (LDG), 3.1 (KBA).
06	08	49	59.5*	68.152	N	156.689	W	33	N		0.7	7	ALASKA. ML 3.3 (PMR).
06	09	17	13.6	50.240	N	12.426	E	10	G		0.2	9	GERMANY. ML 3.0 (KBA), 2.7 (GRF).
06	09	25	27.3	5.836	S	146.064	E	13		4.8	0.9	22	EAST PAPUA NEW GUINEA REGION
06	10	04	06.9	39.240	N	119.417	W	5	G		0.4	7	NEVADA. ML 2.8 (BRK).
06	10	17	55.7	30.606	S	117.272	E	10	G		0.9	6	WESTERN AUSTRALIA. Felt (IV) in the Cadoux area.
06	10	21	38.3	39.914	N	23.378	E	10	G		0.2	8	AEGEAN SEA
06	11	44	12.8?	18.58	S	119.22	E	33	N		1.3	5	NORTHWEST OF AUSTRALIA
06	12	38	48.7*	39.537	N	141.749	E	33	N		0.4	6	HONSHU, JAPAN. Felt (I JMA) at Miyako.
06	13	00	13.8	27.908	N	139.427	E	532	D	4.9	0.9	94	BONIN ISLANDS REGION
06	13	22	03.2	44.625	N	111.061	W	5	G		0.9	10	HEBGEN LAKE REGION. ML 3.4 (NEIS).
06	13	31	02.4%	38.593	N	4.137	W	0	G		0.8	6	SPAIN. Probable explosion.
06	14	10	50.6*	27.606	N	140.180	E	60	?	4.1	1.4	8	BONIN ISLANDS REGION
06	15	14	58.3	67.898	N	155.994	W	33	N	5.1 5.0	1.4	51	ALASKA
06	15	25	54.4	36.366	N	71.049	E	212		4.8	0.8	98	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Kharog, USSR. Felt also at Peshawar, Pakistan.
06	17	35	35.8*	31.736	S	69.126	W	127	?		0.8	15	SAN JUAN PROVINCE, ARGENTINA
06	18	43	25.8	43.217	N	1.079	W	27			1.2	25	PYRENEES. ML 3.8 (LDG), 3.8 (MDD). Felt (IV).
06	20	06	01.1?	36.77	N	71.08	E	33	N	4.7	0.4	5	AFGHANISTAN-USSR BORDER REGION
06	20	24	34.9	50.246	N	12.445	E	10	G		0.3	9	GERMANY. ML 2.7 (KBA), 2.3 (GRF).
06	20	28	52.9	50.254	N	12.432	E	10	G		0.3	8	GERMANY. ML 1.6 (GRF).
06	20	31	32.2?	19.82	N	109.20	W	10	G	4.6	1.5	11	REVILLA GIGEDO ISLANDS REGION
06	21	28	53.2*	61.713	N	124.873	W	10	G		0.2	5	NORTHWEST TERRITORIES, CANADA
06	22	13	02.0	42.349	N	19.973	E	10			0.8	16	YUGOSLAVIA. ML 3.1 (TTG).
06	22	28	47.9?	34.48	N	61.41	W	10	G	4.0	1.2	15	NORTH ATLANTIC OCEAN
07	00	09	23.3%	31.850	N	115.810	W	9				11	BAJA CALIFORNIA. <PAS-P>. ML 4.0 (PAS).
07	00	15	46.2%	31.840	N	115.830	W	6	G			6	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
07	00	40	03.4%	31.860	N	115.820	W	9				10	BAJA CALIFORNIA. <PAS-P>. ML 3.8 (PAS).
07	00	41	34.4?	32.16	S	68.59	W	122	?		0.1	5	MENDOZA PROVINCE, ARGENTINA
07	00	53	31.4*	38.633	N	20.667	E	10	G		0.5		GREECE
07	01	08	52.0%	31.451	N	116.629	W	8	G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.4 (ECX).
07	01	16	27.9?	7.63	N	137.35	E	33	N	4.6	1.5	9	WEST CAROLINE ISLANDS
07	01	18	22.7?	43.00	N	16.00	E	10	G		0.9	6	YUGOSLAVIA. MD 3.6 (TRI), 3.4 (KBA).
07	02	47	47.2*	1.326	N	85.291	W	10	G	4.6 4.7	1.4	16	OFF COAST OF ECUADOR
07	02	48	43.5*	36.253	N	27.918	E	33	N		1.0	7	DODECANESE ISLANDS
07	02	52	07.9*	16.140	S	167.122	E	33	N	4.6	1.3	14	VANUATU ISLANDS
07	03	42	54.4%	31.664	N	115.903	W	8	G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
07	03	54	58.5	45.472	N	27.926	W	10	G	4.9 5.3	1.2	95	NORTH ATLANTIC RIDGE
07	05	06	18.9?	0.04	S	130.02	E	33	N		1.3	6	WEST IRIAN REGION
07	07	36	46.7	0.053	N	129.796	E	33	N	5.0 4.6	1.2	49	HALMAHERA
07	07	40	01.0%	31.820	N	115.820	W	6	G			7	BAJA CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
07	08	07	51.0?	18.88	S	169.35	E	277	*	4.6	1.1	8	VANUATU ISLANDS
07	08	11	49.1*	39.753	N	25.844	E	10	G		1.1	12	AEGEAN SEA
07	10	47	22.3*	10.215	S	161.070	E	69	*	4.4	1.1	13	SOLOMON ISLANDS
07	13	11	57.5%	31.891	N	115.791	W	8	G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
07	13	12	07.6%	39.195	N	28.370	E	10	G		1.1	5	TURKEY
07	13	22	27.4*	15.871	S	167.496	E	170	*	4.2	1.0	9	VANUATU ISLANDS
07	13	28	50.4%	31.900	N	115.840	W	6	G			7	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
07	13	36	55.5	42.360	N	20.009	E	10	G		0.9	9	YUGOSLAVIA. ML 2.5 (TTG).
07	15	59	15.3	25.059	S	179.729	E	522	*	4.5	1.1	39	SOUTH OF FIJI ISLANDS
07	16	22	45.2?	39.11	N	29.35	E	10	G		0.9	5	TURKEY
07	18	36	22.3%	41.645	N	81.157	W	6				1	OHIO. <GLD>. mbLg 2.5 (NEIS). Felt at Chardon, Hambden, Mentor and Painesville. Largest aftershock of the Jan. 31, 1986 earthquake.
07	18	42	17.0%	28.780	S	67.121	W	10	G		0.9	6	LA RIOJA PROVINCE, ARGENTINA
07	18	57	57.6	6.208	S	154.985	E	68		4.8	1.1	20	SOLOMON ISLANDS
07	19	16	14.6	48.035	N	6.546	E	22			0.9	19	FRANCE. ML 3.0 (LDG).
07	19	37	35.2%	60.296	N	153.498	W	172				19	SOUTHERN ALASKA. <PAS-P>.
07	19	47	31.3*	37.626	N	71.068	E	10	G	4.0	1.3	7	AFGHANISTAN-USSR BORDER REGION
07	19	50	19.4	42.292	N	20.018	E	10	G		0.5	11	YUGOSLAVIA. ML 2.6 (TTG).
07	19	57	55.7*	0.006	S	130.184	E	33	N	3.9	1.0	8	WEST IRIAN REGION
07	20	24	41.0?	35.45	S	71.26	W	33	N		0.6	10	CENTRAL CHILE
07	20	26	46.3%	31.894	N	115.795	W	8	G			4	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
07	21	26	54.8	17.978	N	101.439	W	68	*	4.9	1.2	74	NEAR COAST OF GUERRERO, MEXICO. Felt in southwestern Mexico and at Mexico City.
07	22	53	16.4	40.983	N	49.526	E	33	N	4.7	1.1	21	EASTERN CAUCASUS
07	22	54	01.6	40.462	N	22.655	E	10	G		0.3	8	GREECE
07	23	46	31.7	13.322	S	166.234	E	33	N	5.4 5.0	1.3	65	VANUATU ISLANDS
07	23	55	01.1?	33.53	S	72.56	W	33	N		0.9	12	OFF COAST OF CENTRAL CHILE
08	00	06	46.2*	40.520	N	141.486	E	101		4.1	1.1	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Hachinohe and Miyako.
08	00	28	54.5	23.903	N	92.987	E	39	D	5.2 4.9	1.0	114	INDIA-BANGLADESH BORDER REGION. Felt at Shillang, India and at Rangamati, Bangladesh.
08	00	36	03.2	36.324	N	33.938	W	10	G	4.8	1.1	51	AZORES ISLANDS REGION
08	01	01	28.5*	62.621	N	124.054	W	10	G		0.8	6	NORTHWEST TERRITORIES, CANADA
08	01	49	11.9	12.165	N	125.620	E	33	N	4.9	1.0	26	SAMAR, PHILIPPINE ISLANDS
08	02	16	15.4?	1.28	S	138.97	E	33	N	4.0	1.4	6	NEAR N. COAST OF WEST IRIAN

08	02 46 25.8	39.961 N	23.736 E	10 G	0.8	11	AEGEAN SEA
08	05 04 14.1%	44.311 N	6.836 E	10 G	0.3	6	FRANCE. ML 2.7 (LDG).
08	06 27 38.9*	27.274 N	54.246 E	33 N	1.3	5	SOUTHERN IRAN
08	06 46 19.0*	39.833 N	62.988 E	10 G	1.1	12	TURKMEN SSR
08	07 14 50.3*	50.945 N	14.563 E	10 G	1.3	6	CZECHOSLOVAKIA
08	07 55 58.5*	8.085 S	72.720 E	10 G	1.4	11	CHAGOS ARCHIPELAGO REGION
08	09 14 55.2	54.871 N	5.296 W	0 G	0.6	12	UNITED KINGDOM. ML 2.5 (ESK). Probable explosion.
08	09 39 00.2*	52.015 N	172.814 E	33 N	0.9	16	NEAR ISLANDS, ALEUTIAN ISLANDS
08	11 41 04.6%	31.860 N	115.880 W	6 G		6	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
08	12 26 01.47	42.10 N	140.54 E	117 ?	1.0	17	HOKKAIDO, JAPAN REGION
08	13 22 23.4%	60.007 N	152.899 W	94		32	SOUTHERN ALASKA. <AGS-P>.
08	13 54 23.0%	61.622 N	151.514 W	82		24	SOUTHERN ALASKA. <AGS-P>.
08	16 48 05.4	19.099 N	121.216 E	53	4.9 4.5	58	PHILIPPINE ISLANDS REGION. Felt (I RF) at Pasuquin.
08	17 06 34.9*	17.928 S	69.758 W	180 ?	0.5	6	PERU-BOLIVIA BORDER REGION
08	18 33 08.7%	40.655 N	29.915 E	10 G	0.6	5	TURKEY
08	18 56 40.1*	33.256 S	72.566 W	10 G	0.6	13	OFF COAST OF CENTRAL CHILE
08	21 09 50.3%	42.748 N	7.644 E	27	1.1	17	WESTERN MEDITERRANEAN SEA. ML 3.0 (LDG).
08	21 26 29.8*	34.644 S	70.520 W	33 N	1.1	15	CHILE-ARGENTINA BORDER REGION
08	22 00 57.1*	21.990 N	93.796 E	74 *	1.0	16	BURMA
08	23 18 06.3*	7.457 S	154.724 E	33 N	1.2	10	SOLOMON ISLANDS
08	23 22 33.6*	28.128 N	140.493 E	33 N	1.2	11	BONIN ISLANDS REGION
08	23 50 05.07	51.92 N	172.67 E	33 N	1.1	8	NEAR ISLANDS, ALEUTIAN ISLANDS
09	00 14 58.2*	61.875 S	159.283 E	10 G	0.7	8	BALLENY ISLANDS REGION
09	02 24 53.0*	30.831 S	118.468 E	33 N	1.6	5	WESTERN AUSTRALIA. Felt at Kellerberrin and Ballidu.
09	02 47 08.6	11.323 S	165.994 E	102 *	1.1	45	SANTA CRUZ ISLANDS
09	06 03 35.3*	36.080 N	143.075 E	33 N	0.9	9	OFF EAST COAST OF HONSHU, JAPAN
09	06 08 59.7*	82.671 N	7.991 W	10 G	1.5	13	NORTH OF SVALBARD
09	07 03 48.0*	44.391 N	114.127 W	5 G	0.3	7	WESTERN IDAHO. ML 2.7 (NEIS).
09	07 16 27.4*	18.117 S	178.108 W	601 *	1.0	19	FIJI ISLANDS REGION
09	08 56 39.6*	38.882 N	22.103 E	10 G	0.5	9	GREECE
09	11 37 02.2*	26.113 S	177.333 W	148 *	1.2	35	SOUTH OF FIJI ISLANDS
09	11 39 43.17	11.31 S	117.88 E	33 N	1.1	7	SOUTH OF SUMBAWA ISLAND
09	11 51 49.5	9.719 N	122.376 E	53 *	1.3	55	NEGROS, PHILIPPINE ISLANDS
09	12 13 55.9*	52.523 N	168.397 W	33 N	1.2	14	FOX ISLANDS, ALEUTIAN ISLANDS
09	12 36 28.2*	19.877 S	69.506 W	162 *	0.2	6	NORTHERN CHILE
09	12 42 56.1	48.690 N	126.452 E	33 N	1.1	20	NORTHEASTERN CHINA
09	13 29 34.27	16.08 N	62.05 W	188 ?	0.5	11	LEEWARD ISLANDS
09	14 04 21.5	40.550 N	22.822 E	10 G	0.4	10	GREECE
09	15 16 24.9*	5.701 N	95.275 E	61 *	1.5	11	NORTHERN SUMATERA
09	16 19 00.8*	53.714 N	168.857 E	33 N	0.9	14	KOMANDORSKY ISLANDS REGION
09	16 32 42.8*	40.935 N	49.819 E	33 N	1.3	16	EASTERN CAUCASUS
09	16 32 45.4*	10.793 N	122.865 E	119 ?	1.1	10	PANAY, PHILIPPINE ISLANDS
09	16 49 59.27	53.40 N	160.24 E	33 N	0.8	8	NEAR EAST COAST OF KAMCHATKA
09	17 36 15.87	30.15 S	71.29 W	33 N	0.2	5	NEAR COAST OF CENTRAL CHILE
09	17 51 39.0	46.386 N	13.059 E	12	1.3	31	AUSTRIA. ML 3.6 (FUR), 3.5 (GRF). MD 3.1 (TRI).
09	18 27 37.4*	33.558 S	71.798 W	10 G	0.7	13	NEAR COAST OF CENTRAL CHILE
09	19 00 55.8%	31.683 S	70.501 W	33 N	0.6	7	CHILE-ARGENTINA BORDER REGION
09	19 19 14.4*	22.181 S	179.691 W	601 *	1.1	36	SOUTH OF FIJI ISLANDS
09	19 57 45.17	30.34 S	68.84 W	33 N	0.6	5	SAN JUAN PROVINCE, ARGENTINA
09	20 01 38.6	6.050 S	130.557 E	116 ?	1.1	22	BANDA SEA
09	20 32 46.9*	61.551 N	5.573 E	10 G	1.2	6	SOUTHERN NORWAY. MD 2.9 (BER).
09	21 01 58.9*	50.999 N	171.762 W	33 N	0.9	20	ALEUTIAN ISLANDS REGION
09	21 36 30.6	45.164 N	10.168 E	10 G	0.9	20	NORTHERN ITALY. ML 3.0 (LDG).
09	23 12 56.1*	80.145 N	1.473 E	10 G	1.2	9	NORTH OF SVALBARD
a 09	23 32 11.9	36.110 S	71.304 W	86 D	5.3	1.0	CENTRAL CHILE. Felt (II) at Santiago.
10	00 08 59.5*	50.914 N	7.062 E	10 G	1.4	5	GERMANY. ML 2.2 (BNS).
10	00 42 03.2%	32.170 N	117.570 W	6 G		11	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.6 (PAS).
10	01 53 05.17	17.20 S	172.52 W	33 N	1.2	8	TONGA ISLANDS REGION
10	03 49 22.1*	22.412 S	172.999 E	33 N	1.1	9	LOYALTY ISLANDS REGION
10	04 49 34.8%	62.127 N	150.870 W	72		38	CENTRAL ALASKA. <AGS-P>.
10	05 02 11.9%	59.659 N	152.528 W	67		31	SOUTHERN ALASKA. <AGS-P>.
10	05 53 16.1*	11.012 N	86.847 W	33 N	1.2	26	NEAR COAST OF NICARAGUA
10	06 50 14.0	12.876 N	125.078 E	33 N	1.3	30	SAMAR, PHILIPPINE ISLANDS
10	09 31 48.7	28.067 S	66.739 W	190 *	0.7	18	CATAMARCA PROVINCE, ARGENTINA
a 10	09 51 12.6	21.585 S	170.404 E	101	5.8	1.0	171 LOYALTY ISLANDS REGION
10	12 38 29.4%	60.266 N	152.802 W	115		23	SOUTHERN ALASKA. <AGS-P>.
10	12 42 44.3*	24.112 S	66.925 W	202 *	1.2	9	SALTA PROVINCE, ARGENTINA
10	12 43 54.1*	23.297 S	68.695 W	33 N	0.7	7	NORTHERN CHILE
10	13 29 40.17	50.19 N	179.65 W	33 N	1.6	7	ANDREANOF ISLANDS, ALEUTIAN IS.
10	15 08 09.5*	7.783 N	36.405 W	10 G	1.1	13	CENTRAL MID-ATLANTIC RIDGE
10	15 26 18.3%	31.491 S	68.520 W	33 N	0.3	5	SAN JUAN PROVINCE, ARGENTINA
10	15 31 23.4*	5.486 S	104.136 E	83 *	1.0	16	SOUTHERN SUMATERA
10	16 06 29.2*	33.841 S	71.494 W	10 G	0.7	9	NEAR COAST OF CENTRAL CHILE
10	16 22 53.4	37.770 N	121.901 W	10	1.1	13	CENTRAL CALIFORNIA. ML 2.5 (BRK).
10	16 39 53.7*	62.163 N	124.445 W	10 G	1.3	6	NORTHWEST TERRITORIES, CANADA
10	16 42 14.0%	36.170 N	120.170 W	6 G		14	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
10	17 12 07.0%	48.392 N	121.951 W	1 G		11	WASHINGTON. <SEA>. ML 2.3 (NEIS). Felt in the Mount Vernan-Concrete area.
10	18 05 08.0%	48.396 N	121.949 W	1 G		24	WASHINGTON. <SEA>. ML 3.7 (NEIS). Felt (V) at Lyman and Sedro Woolley, (IV) at Clearlake, Concrete, Hamilton and Silvana. Felt (III) at Darrington, Marblemount and Stanwood.
10	18 27 31.4	36.336 N	120.774 W	10 G	0.6	11	CENTRAL CALIFORNIA. ML 2.6 (BRK).
a 10	18 33 47.2	39.537 N	143.274 E	36	5.5 5.9	1.3	223 OFF EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Miyako, Morioka, Aomori and (I JMA) at Hachinohe, Ofunato and Sendai. Felt also at Akita. Felt (I JMA) at Obihiro, Hokkaido.
10	19 02 48.5	39.337 N	143.661 E	33 N	0.9	27	OFF EAST COAST OF HONSHU, JAPAN
10	20 04 54.8*	39.359 N	143.579 E	33 N	1.4	10	OFF EAST COAST OF HONSHU, JAPAN
10	20 16 52.2*	39.352 N	143.687 E	33 N	0.9	19	OFF EAST COAST OF HONSHU, JAPAN
10	20 36 22.1	39.446 N	143.462 E	31	5.0	1.0	77 OFF EAST COAST OF HONSHU, JAPAN
10	20 45 01.7	27.944 S	26.753 E	5 G	5.0	1.1	34 REPUBLIC OF SOUTH AFRICA. Minar damage at Welkom and to the St. Helene gold mine.

10	21	46	52.1*	39.416 N	143.639 E	33 N	4.2	1.0	12	OFF EAST COAST OF HONSHU, JAPAN
10	23	25	05.67	33.26 S	72.19 W	33 N		0.5	9	OFF COAST OF CENTRAL CHILE
10	23	57	51.8	5.421 S	147.003 E	187	5.4	1.0	63	EAST PAPUA NEW GUINEA REGION
a 11	01	15	57.2	41.634 N	125.353 W	10 G	5.0 5.0	1.2	107	OFF COAST OF NORTHERN CALIFORNIA. ML 4.7 (BRK).
11	01	34	08.7*	28.197 N	140.668 E	33 N	4.6	1.2	16	BONIN ISLANDS REGION
11	01	51	15.3	2.289 N	128.022 E	106 *	5.2	1.2	32	HALMAHERA
11	04	00	30.8*	40.159 N	24.034 E	10 G		0.4	5	AEGEAN SEA
11	04	11	54.7*	31.773 N	116.221 W	8 G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
11	04	13	17.4*	5.691 S	130.908 E	81 *	4.9	1.5	19	BANDA SEA
11	04	38	38.8	37.461 N	118.875 W	5 G		0.9	9	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (PAS).
11	04	58	11.3*	36.493 N	2.885 E	10 G	4.0	1.3	26	ALGERIA. ML 4.1 (MDD). Felt at Blida.
11	05	55	35.2*	50.299 N	18.962 E	10 G		1.6	5	POLAND
11	06	41	50.8*	19.135 S	68.572 W	33 N		0.8	5	CHILE-BOLIVIA BORDER REGION
11	06	54	22.5*	19.128 S	68.570 W	33 N		0.5	6	CHILE-BOLIVIA BORDER REGION
11	07	14	24.2	36.372 N	70.910 E	119 *	4.9	1.2	84	HINDU KUSH REGION. Felt (IV) at Dushanbe and (III) at Dangara, Khorag, Kulyab, Nurek and Samarkand, USSR. Also felt at Kabul, Afghanistan.
11	11	07	28.0	37.077 N	3.964 W	10 G		0.9	7	SPAIN. MG 3.0 (MDD).
11	12	01	34.5	28.139 N	142.807 E	33 N	4.8	1.0	20	BONIN ISLANDS REGION
11	12	31	17.0*	64.730 N	88.770 W	18 G	3.6		11	NORTHWEST TERRITORIES, CANADA. <OTT-P>. mbLg 3.7 (OTT).
11	13	00	26.0	20.315 S	173.789 W	35 D	5.0 5.0	1.1	59	TONGA ISLANDS
11	14	44	49.2	23.883 S	67.061 W	210	4.6	1.0	17	CHILE-ARGENTINA BORDER REGION
11	16	58	02.47	30.04 N	66.40 E	33 N	4.1	0.6	6	PAKISTAN
11	18	26	50.1	44.783 N	8.700 E	10 G		1.1	19	NORTHERN ITALY. ML 3.0 (LDG).
11	20	21	19.1	37.431 N	118.649 W	5 G		0.6	10	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (PAS).
11	20	21	32.0*	40.781 N	27.968 E	10 G		0.3	7	TURKEY
11	21	55	07.5	62.118 N	124.229 W	10 G	4.1	1.1	15	NORTHWEST TERRITORIES, CANADA
11	22	26	08.6	44.635 N	111.062 W	5 G		0.7	10	HEBGEN LAKE REGION. ML 3.2 (BUT).
11	22	26	55.0	44.658 N	111.001 W	5 G		0.8	15	HEBGEN LAKE REGION. ML 4.2 (NEIS).
11	23	35	22.8*	36.163 N	140.027 E	33 N		0.8	7	NEAR EAST COAST OF HONSHU, JAPAN
12	01	16	43.8*	8.473 S	108.521 E	58 *	4.6	1.5	21	JAVA
12	02	47	17.2	58.991 S	25.393 W	33 N	5.0	0.9	53	SOUTH SANDWICH ISLANDS REGION
f 12	02	59	30.4	36.384 N	141.128 E	30 G	6.1 5.9	1.1	428	NEAR EAST COAST OF HONSHU, JAPAN. Ms 5.9 (PAS), 5.8 (BRK). Felt (IV JMA) at Mito and Choshi, (III JMA) in the Fukushima-Utsunomiya-Tokyo area, (II JMA) in the Kofu-Sendai-Mariaka area, and (I JMA) in the Tateyama-Iida-Niigata-Ofunata area. Also felt (I JMA) at Urakawa, Hokkaido. Depth from broadband displacement seismograms.
12	02	59	48.9	2.415 N	84.378 W	10 G	5.0 4.4	1.0	61	OFF COAST OF CENTRAL AMERICA
12	03	08	19.87	23.89 N	122.01 E	33 N	4.3	1.4	10	TAIWAN REGION
12	03	47	11.8*	36.463 N	140.904 E	55 *	4.6	1.2	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito.
12	03	51	26.0*	18.764 S	69.836 W	33 N		0.5	5	NORTHERN CHILE
a 12	07	42	47.7*	6.671 S	147.445 E	33 N	4.2	1.3	12	EAST PAPUA NEW GUINEA REGION
a 12	09	01	09.8	6.569 S	147.290 E	39	5.8 5.7	1.1	261	EAST PAPUA NEW GUINEA REGION. Felt strongly at Lae.
a 12	10	28	42.2*	36.322 S	72.035 W	33 N	4.5	0.9	15	NEAR COAST OF CENTRAL CHILE
a 12	11	27	45.4	6.536 S	147.433 E	34	5.6 5.5	1.1	146	EAST PAPUA NEW GUINEA REGION
12	11	54	12.9	34.670 N	82.938 E	33 N	5.0	0.6	42	TIBET
12	13	06	41.8*	18.812 S	168.782 E	101 *	4.4	1.3	20	VANUATU ISLANDS
12	13	33	09.97	15.32 N	96.05 E	33 N		0.3	5	SOUTH BURMA
12	13	38	19.1*	9.184 S	126.686 E	33 N	4.8	1.5	8	TIMOR
12	13	41	25.2	24.084 S	67.323 W	201 *		0.8	11	CHILE-ARGENTINA BORDER REGION
12	14	01	40.1*	17.732 S	177.923 W	467 *	4.6	1.2	21	FIJI ISLANDS REGION
12	14	36	57.77	51.58 N	16.07 E	10 G		0.5	5	POLAND. ML 3.0 (KBA).
12	16	13	42.27	13.57 S	166.42 E	33 N	5.0	1.3	8	VANUATU ISLANDS
12	17	20	54.47	38.79 N	21.23 E	10 G		1.1	11	GREECE
12	17	52	08.6*	40.160 N	24.092 E	10 G		0.7	9	AEGEAN SEA
12	18	19	56.7	54.637 N	161.676 E	33 N	5.0	0.8	62	NEAR EAST COAST OF KAMCHATKA
12	19	16	12.17	44.19 N	7.19 E	10 G		0.4	5	NORTHERN ITALY. ML 2.5 (LDG).
12	21	44	49.1	23.406 N	142.993 E	33 N	4.7	0.7	21	VOLCANO ISLANDS REGION
12	22	32	32.2*	39.907 S	176.627 E	46 *	4.4	1.2	12	NORTH ISLAND, NEW ZEALAND. Felt strongly in Hawkes Bay County.
12	23	02	12.8	1.604 N	127.305 E	135 *	5.4	1.0	73	HALMAHERA
a 12	23	41	38.6	17.019 N	62.329 W	22	5.2 5.3	1.1	149	LEEWARD ISLANDS. ML 5.4 (FDF). Felt on Nevis, St. Kitts, Montserrat and Antigua. Felt (IV) at Pointe-a-Pitre, Guadeloupe.
12	23	51	38.0*	6.360 S	147.475 E	31 *	4.4	1.4	12	EAST PAPUA NEW GUINEA REGION
12	23	57	50.6	35.151 N	23.575 E	53 *	4.6 3.8	1.3	106	CRETE
13	00	18	08.3*	45.777 N	26.675 E	145 ?		0.7	9	ROMANIA
a 13	00	24	45.1	13.384 S	166.699 E	19 G	5.7 5.3	1.3	136	VANUATU ISLANDS. Depth from broadband displacement seismograms.
13	00	44	38.7	33.479 S	72.294 W	33 N	4.7	1.1	30	OFF COAST OF CENTRAL CHILE
13	00	56	55.9	21.211 S	68.487 W	123	4.6	1.3	46	CHILE-BOLIVIA BORDER REGION
13	01	10	33.5*	33.483 S	72.394 W	33 N	4.3	1.0	16	OFF COAST OF CENTRAL CHILE
13	04	12	33.77	31.21 S	68.15 W	104 ?		0.9	7	SAN JUAN PROVINCE, ARGENTINA
13	04	14	59.37	33.53 S	72.50 W	33 N		0.4	11	OFF COAST OF CENTRAL CHILE
13	04	39	34.87	33.62 S	72.71 W	33 N		0.9	12	OFF COAST OF CENTRAL CHILE
13	05	53	30.0*	60.218 N	153.207 W	129			20	SOUTHERN ALASKA. <AGS-P>.
13	08	43	09.0	54.811 N	160.057 W	33 N	5.0 4.6	0.9	73	ALASKA PENINSULA. ML 4.6 (PMR). Felt (IV) at Sand Point, (III) at False Pass and (II) at King Cove.
13	08	45	59.0	28.211 N	140.624 E	33 N	4.7 4.5	1.2	32	BONIN ISLANDS REGION
13	09	24	58.9*	39.553 N	75.849 E	33 N	4.5	0.8	10	SOUTHERN XINJIANG, CHINA
13	10	05	39.8*	6.820 S	154.879 E	33 N	4.2	1.5	10	SOLOMON ISLANDS. Felt (III) at Panguna, Bougainville.
13	11	17	17.9	19.108 N	67.930 W	31	4.9 3.8	0.7	62	MONA PASSAGE
13	11	35	45.5	34.755 N	82.943 W	5 G		0.6	22	SOUTH CAROLINA. mbLg 3.5 (NEIS). Felt (V) at Central, Longcreek, Walhalla and Westminster. Also felt (V) at Bowersville, Georgia. Felt (IV) at Fair Play, Liberty, Newry, Piedmont, Richland, Salem, Six Mile, Tamassee and West Union. Also felt (IV) at Martin, Georgia and Cedar Mountain and Sylva, North Carolina. Felt (III) at Canon, Franklin Springs and Rabun, Georgia and Highlands and Hendersanville, North Carolina.
13	12	11	07.6*	24.142 S	66.847 W	231 *		0.9	10	SALTA PROVINCE, ARGENTINA

13	12 58 18.7*	6.363 S	131.314 E	33 N	0.7	6	TANIMBAR ISLANDS REGION
13	13 00 55.2	19.193 N	65.286 W	33 N	4.4	1.3	16 PUERTO RICO REGION. Felt in the San Juan area.
13	13 09 42.1	21.563 N	94.650 E	118 *	4.7	0.9	19 BURMA
13	13 28 42.2*	32.443 S	71.704 W	33 N	0.8	10	NEAR COAST OF CENTRAL CHILE
13	13 34 10.5*	5.611 S	103.899 E	48 D	4.5	1.4	20 SOUTHERN SUMATERA
13	16 37 44.8*	31.39 S	68.48 W	116 ?	0.7	5	SAN JUAN PROVINCE, ARGENTINA
13	16 46 26.5*	53.74 N	163.60 W	33 N	4.4	1.3	8 UNIMAK ISLAND REGION
13	16 53 49.5	46.512 N	0.067 W	10 G	1.2	12	FRANCE. ML 2.4 (LDG).
a 13	19 08 20.5	14.227 S	167.315 E	206 D	5.7	0.9	220 VANUATU ISLANDS. mb 5.5 (BRK).
13	19 20 30.4*	17.06 N	62.33 W	14	0.3	9	LEEWARD ISLANDS. ML 4.0 (FDF).
13	19 24 45.9	39.456 N	143.550 E	41 *	4.8	0.8	30 OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Morioka.
13	19 30 44.1	42.349 N	20.037 E	10 G	1.0	16	YUGOSLAVIA. MD 3.1 (TTG).
13	20 12 00.3*	15.42 N	96.71 E	33 N	0.5	5	SOUTH BURMA
13	20 22 30.5	35.624 N	1.448 E	31	4.3	1.1	35 ALGERIA. Felt at Tiarret, Mascara and Relizane.
13	20 29 44.5*	34.53 N	139.50 E	33 N	0.8	5	NEAR S. COAST OF HONSHU, JAPAN
13	20 32 02.2*	31.363 S	69.718 W	33 N	1.1	5	SAN JUAN PROVINCE, ARGENTINA
13	20 36 51.4	62.228 N	124.215 W	10 G	5.3 4.9	1.2	138 NORTHWEST TERRITORIES, CANADA. Felt at Fort Simpson, Fort Liard, Wrigley and Nahanni Butte.
13	22 15 39.8*	62.430 N	124.103 W	10 G	0.8	6	NORTHWEST TERRITORIES, CANADA
13	23 58 08.8*	29.340 N	128.437 E	33 N	4.5	1.3	15 EAST CHINA SEA
14	00 56 21.2*	39.676 N	110.511 W	1	0.9	11	UTAH. <SLC-P>. ML 2.9 (SLC).
14	01 25 46.1	36.401 N	141.133 E	52	4.8	0.9	42 NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito and (I JMA) at Fukushima, Utsunomiya and Choshi.
14	01 52 01.1	43.946 N	78.216 E	33 N	4.9	0.8	28 ALMA-ATA REGION. Felt (IV) at Chilik and (III) at Alma-Ata and Talgor.
a 14	04 00 54.1	13.464 S	167.097 E	216 *	5.1	1.1	79 VANUATU ISLANDS
14	04 55 26.5*	19.556 S	69.013 W	139 *	1.0	8	NORTHERN CHILE
14	05 04 24.0*	13.04 S	118.22 E	33 N	4.0	0.8	5 NORTHWEST OF AUSTRALIA
14	05 17 16.1*	16.49 S	172.91 W	33 N	4.7	1.5	14 SAMOA ISLANDS REGION
14	05 18 52.5*	16.942 N	62.126 W	16	0.3	11	LEEWARD ISLANDS. ML 3.6 (FDF).
14	05 25 15.2*	2.98 S	121.93 E	33 N	4.6	1.4	6 SULAWESI
14	06 09 04.7*	34.868 N	95.373 W	5 G	0.7	7	OKLAHOMA. mbLg 1.8 (TUL).
14	06 21 22.1*	16.974 N	62.254 W	10 G	0.2	11	LEEWARD ISLANDS. ML 3.7 (FDF).
14	10 55 55.9	40.091 N	29.269 E	10 G	0.8	9	TURKEY
14	11 08 56.6*	16.749 N	62.092 W	10 G	0.7	10	LEEWARD ISLANDS. ML 4.0 (FDF).
14	11 54 22.6*	33.19 S	71.91 W	33 N	1.1	10	NEAR COAST OF CENTRAL CHILE
14	12 46 33.9	63.069 N	150.835 W	97 ?	0.8	11	CENTRAL ALASKA. Felt at Talkeetna.
14	12 58 19.8*	31.283 S	68.651 W	115 ?	1.2	12	SAN JUAN PROVINCE, ARGENTINA
14	13 13 52.7*	41.122 N	20.185 E	10 G	1.5	15	ALBANIA. ML 3.2 (TTG).
14	13 38 56.9*	32.94 S	72.36 W	33 N	0.6	7	OFF COAST OF CENTRAL CHILE
14	14 23 37.6*	16.978 N	62.233 W	10 G	0.2	5	LEEWARD ISLANDS. ML 3.5 (FDF).
14	14 25 33.0*	1.30 N	126.28 E	33 N	0.3	6	MOLUCCA PASSAGE
14	16 15 11.1	79.625 N	2.789 E	10 G	4.2	0.7	9 GREENLAND SEA
14	16 46 38.0*	41.093 N	20.187 E	10 G	1.5	12	ALBANIA
a 14	18 01 17.8	20.959 S	178.945 W	610	5.4	1.0	168 FIJI ISLANDS REGION
14	18 24 53.6*	38.111 N	20.211 E	67 *	4.1	1.3	35 GREECE
14	18 38 37.6*	16.293 N	61.146 W	33 *	0.4	9	LEEWARD ISLANDS. ML 3.2 (FDF).
14	19 01 29.5	64.967 N	147.248 W	10 G	0.4	6	CENTRAL ALASKA. ML 3.2 (PMR). Felt at Fairbanks.
14	19 03 10.4*	17.16 N	62.01 W	33 N	0.6	5	LEEWARD ISLANDS
14	19 22 00.4*	28.973 S	67.142 W	33 N	1.4	8	LA RIOJA PROVINCE, ARGENTINA
14	19 44 17.8	31.492 S	68.719 W	113 *	1.0	17	SAN JUAN PROVINCE, ARGENTINA
14	19 50 41.7*	3.217 S	146.123 E	31 *	0.8	6	BISMARCK SEA
14	19 53 52.4*	6.706 E	147.452 E	23 *	1.4	8	EAST PAPUA NEW GUINEA REGION
14	20 00 25.1	14.240 N	92.050 W	33 N	4.9	1.2	63 NEAR COAST OF CHIAPAS, MEXICO
14	20 05 29.0*	13.987 N	92.104 W	33 N	4.9	1.1	42 OFF COAST OF CHIAPAS, MEXICO
14	20 12 19.7	47.369 N	153.934 E	33 N	5.2	0.8	70 KURIL ISLANDS
14	22 21 30.9	36.806 N	121.251 W	10 G	0.7	10	CENTRAL CALIFORNIA. ML 2.8 (BRK).
14	23 00 55.6*	24.594 S	69.004 W	149 *	1.0	11	NORTHERN CHILE
14	23 49 06.1*	28.502 S	72.054 W	33 N	0.7	10	OFF COAST OF CENTRAL CHILE
15	00 14 21.6*	6.460 E	154.530 E	33 N	5.0	1.4	17 SOLOMON ISLANDS
15	01 43 07.8	46.129 N	7.587 E	10 G	1.1	66	SWITZERLAND. ML 4.0 (LDG), 3.6 (KBA), 3.6 (VKA). Felt in the Zermatt-Valais area.
15	02 17 38.4*	6.436 S	154.591 E	33 N	4.5	1.4	9 SOLOMON ISLANDS
15	05 10 33.7	31.732 S	69.670 W	127 ?	0.8	14	SAN JUAN PROVINCE, ARGENTINA
15	05 26 28.2*	55.175 N	161.872 E	33 N	4.4	0.9	11 NEAR EAST COAST OF KAMCHATKA
15	05 40 47.9*	8.078 N	83.518 W	48 *	4.5	0.4	14 COSTA RICA
15	05 47 26.8*	24.110 S	66.959 W	227 *	1.0	10	SALTA PROVINCE, ARGENTINA
15	06 53 02.8*	40.402 N	25.716 E	10 G	1.5	5	AEGEAN SEA
15	06 56 31.8*	17.97 S	175.34 W	289 ?	4.4	0.4	9 TONGA ISLANDS
15	06 56 49.0*	64.970 N	89.750 W	18 G	3.7	11	NORTHWEST TERRITORIES, CANADA. <OTT-P>. mbLg 3.7 (OTT).
15	07 34 11.0	35.005 N	24.797 E	40 *	4.5	1.3	88 CRETE
15	07 36 58.5*	35.051 N	24.737 E	44 *	4.2	1.4	23 CRETE
15	09 53 43.2	37.123 N	121.503 W	10 G	0.3	10	CENTRAL CALIFORNIA. ML 2.6 (BRK).
15	11 01 44.4*	45.526 N	23.114 E	33 N	0.6	5	ROMANIA
15	12 07 59.9*	61.88 N	124.33 W	10 G	1.3	5	NORTHWEST TERRITORIES, CANADA
15	13 51 52.6*	62.693 N	151.002 W	78	0.7	12	CENTRAL ALASKA. <AGS-P>.
15	13 58 36.2*	34.006 S	70.335 W	11	0.7	12	CHILE-ARGENTINA BORDER REGION
15	14 06 10.5*	5.592 S	151.278 E	33 N	1.2	6	NEW BRITAIN REGION
15	15 16 08.8*	60.110 N	152.877 W	107	0.9	21	SOUTHERN ALASKA. <AGS-P>.
15	16 02 16.3*	38.699 N	28.112 E	10 G	0.9	6	TURKEY
15	17 36 50.8*	22.215 S	170.123 E	33 N	4.2	1.5	14 LOYALTY ISLANDS REGION
15	18 31 45.3*	59.878 N	5.742 E	10 G	0.3	5	SOUTHERN NORWAY. MD 2.1 (BER).
a 15	19 56 35.9	4.412 N	62.704 E	10 G	5.2 4.6	1.0	88 CARLSBERG RIDGE
15	21 22 01.2*	24.29 S	178.57 W	33 N	4.6	1.2	9 SOUTH OF FIJI ISLANDS
a 15	21 37 48.6	14.774 N	91.414 W	136	5.3	1.0	223 GUATEMALA. Felt in central and western Guatemala and in the Tapachula area, Mexico. Felt (II) at San Salvador, El Salvador.
15	21 49 53.0*	28.237 N	140.782 E	33 N	4.6	1.5	13 BONIN ISLANDS REGION
15	22 07 24.2	3.169 S	146.718 E	8	4.7	1.1	16 BISMARCK SEA
15	22 14 02.1*	3.171 S	146.763 E	33 N	4.7	1.5	13 BISMARCK SEA
15	22 27 00.2	39.650 N	122.082 W	26	0.8	18	NORTHERN CALIFORNIA. ML 3.3 (BRK). Ma=1.0*10**22 (BRK). Felt (III) at Durham and (II) at Artais. Also felt at

15	23 04 24.1?	38.95 N	26.03 E	10 G	0.6	6	Chico.
15	23 08 32.6*	8.361 S	128.130 E	33 N 4.6	1.4	17	AEGEAN SEA
16	02 06 14.9	34.359 N	26.723 E	33 N 4.1	1.4	23	TIMOR SEA
16	02 47 48.4	66.645 N	135.923 W	23 4.9	1.2	59	CRETE
							NORTHERN YUKON TERRITORY, CANADA. Felt at Fort McPherson, Aklavik, and Inuvik, Northwest Territories.
16	02 53 10.4%	46.276 N	2.645 E	10 G	0.6	5	FRANCE. ML 1.6 (LDG).
16	03 38 38.9?	13.56 S	167.79 E	33 N 4.9	1.6	9	VANUATU ISLANDS
16	03 58 08.7*	37.569 N	71.447 E	33 N 4.3	1.1	9	AFGHANISTAN-USSR BORDER REGION
16	04 17 02.4*	32.533 S	72.023 W	33 N	1.4	23	OFF COAST OF CENTRAL CHILE
16	05 51 44.2*	3.147 S	146.714 E	33 N 4.4	1.4	6	BISMARCK SEA
16	06 25 23.7?	33.91 S	71.71 W	33 N	1.3	10	NEAR COAST OF CENTRAL CHILE
16	07 01 24.8	31.688 S	68.775 W	124 *	0.8	18	SAN JUAN PROVINCE, ARGENTINA
16	07 26 45.9?	54.53 N	159.70 W	33 N 4.1	1.3	5	SOUTH OF ALASKA
16	08 26 38.8*	4.514 S	136.085 E	33 N 3.8	1.3	7	WEST IRIAN REGION
16	08 51 22.5	23.856 S	179.869 W	514 * 4.9	1.2	58	SOUTH OF FIJI ISLANDS
16	08 51 52.8%	59.768 N	152.295 W	54	28		SOUTHERN ALASKA. <AGS-P>.
16	09 09 25.5	12.348 S	167.189 E	285 5.0	1.1	111	SANTA CRUZ ISLANDS
16	09 27 55.7?	31.45 S	68.93 W	91 ?	0.1	5	SAN JUAN PROVINCE, ARGENTINA
16	09 29 52.7?	22.37 S	175.08 W	33 N 4.9	1.3	9	TONGA ISLANDS REGION
16	13 52 23.4*	32.011 S	72.127 W	33 N	0.7	12	OFF COAST OF CENTRAL CHILE
16	18 19 40.1?	61.62 N	4.81 E	10 G	1.7	5	SOUTHERN NORWAY. MD 1.6 (BER).
16	18 27 22.0*	65.594 N	151.897 W	33 N	1.4	6	ALASKA. ML 2.7 (PMR).
16	21 31 06.1%	61.495 N	150.711 W	63	34		SOUTHERN ALASKA. <AGS-P>. Felt at Anchorage.
16	21 50 07.4?	30.30 S	73.08 W	33 N	1.5	10	OFF COAST OF CENTRAL CHILE
16	22 42 38.7?	26.93 N	141.90 E	33 N 4.6	1.1	7	BONIN ISLANDS REGION
16	23 26 01.4*	13.040 N	144.000 E	107 * 4.2	0.9	9	MARIANA ISLANDS
16	23 40 20.7*	36.471 N	70.295 E	178 ? 4.7	0.8	23	HINDU KUSH REGION
16	23 57 56.0*	3.931 S	128.231 E	47 * 4.8	1.2	8	CERAM
17	00 39 30.5	37.791 N	121.905 W	10 G	0.6	9	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=7.5+10+*20 (BRK).
17	01 34 10.2*	38.955 N	31.325 E	10 G	1.4	13	TURKEY
17	02 05 14.1	20.494 S	173.584 W	33 N 4.8 5.3	1.1	35	TONGA ISLANDS
17	02 06 35.2*	32.227 S	117.450 E	10 G	1.1	6	WESTERN AUSTRALIA
17	02 12 33.4%	34.120 N	116.030 W	11	16		SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS).
17	03 31 34.7*	36.314 N	140.551 E	31	0.6	7	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito.
17	06 56 28.0	42.369 N	19.926 E	10 G	1.2	12	YUGOSLAVIA. MD 3.0 (TTG).
17	08 53 38.6	42.596 N	111.301 W	5 G	0.9	7	EASTERN IDAHO. ML 3.0 (NEIS). Felt (IV) at Montpelier and (II) at Georgetown.
17	10 58 38.6%	32.970 N	115.550 W	8	11		CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS). Felt at Brawley.
17	11 36 17.8?	43.95 N	16.68 E	10 G	1.2	6	YUGOSLAVIA. MD 3.7 (TRI). ML 3.4 (KBA).
17	12 16 21.1	36.544 N	4.719 W	10 G	1.3	13	STRAIT OF GIBRALTAR. MG 3.6 (MDD).
17	12 28 05.7	40.329 N	127.303 W	10 G 4.3	0.7	18	OFF COAST OF NORTHERN CALIFORNIA. ML 4.3 (BRK).
17	12 36 15.6	36.662 N	71.168 E	33 N 5.0	0.8	16	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Dushanbe and Obigarm, USSR.
17	12 46 36.2	62.260 N	124.020 W	10 G 4.5	1.4	38	NORTHWEST TERRITORIES, CANADA
17	13 46 42.4%	33.550 N	116.810 W	0	11		SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
17	15 39 54.7?	44.64 N	13.10 E	10 G	0.5	6	ADRIATIC SEA. ML 3.1 (KBA).
17	16 17 04.5	42.360 N	19.966 E	10 G	0.7	10	YUGOSLAVIA. MD 2.7 (TTG).
17	16 37 19.8*	6.563 S	147.399 E	40 * 4.8	1.5	16	EAST PAPUA NEW GUINEA REGION
17	17 29 49.4?	17.44 S	174.74 W	125 G 4.8	1.3	14	TONGA ISLANDS
17	17 39 48.1	28.746 S	67.574 W	138 4.9	1.4	33	LA RIOJA PROVINCE, ARGENTINA
17	18 16 38.6?	41.96 N	21.63 E	10 G	0.4	4	YUGOSLAVIA. MG 2.2 (SKO). Felt (IV) in the Skopje area.
17	19 11 51.5	22.779 S	63.759 W	533 4.1	1.1	33	SALTA PROVINCE, ARGENTINA
17	19 15 06.0%	32.120 N	114.890 W	6 G	5		W. ARIZ. - MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
17	19 52 26.3	40.645 N	29.106 E	10 G	0.5	7	TURKEY
17	21 19 23.2*	17.136 N	62.183 W	32	0.4	11	LEEWARD ISLANDS. ML 3.5 (FDF).
18	00 01 28.6	26.394 S	27.381 E	5 G	1.1	6	REPUBLIC OF SOUTH AFRICA
18	00 10 11.6*	3.442 N	98.016 E	138 4.3	1.1	13	NORTHERN SUMATERA
18	00 57 03.3	30.074 N	139.066 E	397 4.2	0.4	19	SOUTH OF HONSHU, JAPAN
18	01 14 33.9*	2.625 N	128.348 E	33 N 4.7	1.3	16	HALMAHERA
18	02 52 51.1*	13.249 S	75.168 W	93 ?	0.7	8	PERU
18	02 57 33.6*	39.183 S	119.142 E	10 G 5.0	1.4	27	OFF SOUTH COAST OF AUSTRALIA
18	02 58 44.5	17.918 N	66.474 W	21 4.7	0.7	36	PUERTO RICO REGION. Slight damage in the Cayey, Cidra, Coamo, Ponce and Santa Isabel areas. Felt throughout Puerto Rico.
18	04 22 20.7?	35.04 N	139.70 E	33 N	1.2	6	NEAR S. COAST OF HONSHU, JAPAN
18	04 40 41.4?	33.49 N	139.71 E	197 ? 4.0	0.3	9	SOUTH OF HONSHU, JAPAN
18	05 34 42.2	40.683 N	23.210 E	11 4.0	1.1	39	GREECE. ML 4.0 (ATH).
18	05 41 55.7	40.666 N	23.184 E	10 G	1.0	12	GREECE
18	09 29 02.3?	0.03 S	123.29 E	236 ? 4.5	0.3	8	MINAHASSA PENINSULA
18	10 03 09.9	20.599 N	122.124 E	57 * 4.4	1.1	28	PHILIPPINE ISLANDS REGION
18	11 41 07.2*	37.895 N	0.989 W	10 G	1.5	7	SPAIN. MG 3.7 (MDD). Felt (IV) at Murcia.
18	12 24 35.0*	24.854 N	122.863 E	33 N	0.4	5	TAIWAN REGION
18	13 10 34.8*	11.591 S	166.667 E	33 N 5.0	1.3	15	SANTA CRUZ ISLANDS
18	14 04 29.3?	49.98 N	7.30 E	10 G	1.0	6	GERMANY
18	14 34 03.4	40.750 N	22.040 E	21 4.8	1.2	159	GREECE. ML 4.5 (ATH). 4.5 (TTG). Slight damage (VI) in the Edhessa area. Felt (IV) in southwestern Macedonia. Also felt in the Bitola-Ohrid area, Yugoslavia.
18	14 44 26.8	40.760 N	22.071 E	10 G	0.3	14	GREECE
18	14 53 11.3%	58.780 N	143.348 W	30	22		GULF OF ALASKA. <AGS-P>.
18	16 33 23.6?	7.36 S	13.45 W	10 G 4.7	1.1	8	ASCENSION ISLAND REGION
18	17 24 39.0	5.059 S	149.759 E	401 4.6	0.7	29	NEW BRITAIN REGION
18	18 00 57.5*	19.970 S	71.111 W	33 N 4.8	1.4	16	OFF COAST OF NORTHERN CHILE
18	18 11 47.6	17.048 N	62.248 W	25	0.4	11	LEEWARD ISLANDS. ML 3.8 (FDF).
18	19 33 31.4%	31.021 S	68.394 W	33 N	1.7	5	SAN JUAN PROVINCE, ARGENTINA
18	21 55 34.7	40.672 N	23.128 E	10 G	0.9	22	GREECE. ML 3.7 (ATH).
18	22 32 34.2*	8.682 N	83.362 W	33 N	0.4	9	COSTA RICA. MD 4.1 (HDC). Felt in the San Isidro area.
19	00 25 40.1%	40.730 N	124.855 W	8	9		NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
19	00 47 24.1%	32.490 N	117.570 W	6 G	18		CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.8 (PAS). Felt in the San Diego area.
19	00 53 39.7	41.528 N	142.073 E	68 5.0	1.0	87	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hachinohe, Honshu; (I JMA) at Urakawa and Muroran, Hokkaido. Also

19	02	13	30.3*	17.210 N	61.204 W	32		0.7	10	felt at Obihira, Hokkaido.
19	02	29	16.2*	6.694 S	147.458 E	49 *	4.5	1.4	15	LEEWARD ISLANDS. ML 3.6 (FDF).
19	03	01	08.3	36.851 N	121.272 W	10 G		0.6	13	EAST PAPUA NEW GUINEA REGION
19	04	17	19.2*	5.924 S	153.570 E	33 N	4.7	1.2	8	CENTRAL CALIFORNIA. ML 2.9 (BRK).
19	04	39	58.4*	32.110 N	67.664 E	33 N	4.3	1.3	18	NEW IRELAND REGION
19	05	23	22.0	8.061 S	123.775 E	195 *	4.8	1.3	27	AFGHANISTAN
19	05	51	45.3	40.759 N	22.099 E	10 G		0.2	7	FLORES ISLAND REGION
19	06	43	42.7*	40.311 N	72.337 E	33 N	4.1	0.9	9	GREECE
19	07	37	40.7	32.763 S	72.011 W	33 N	4.5	1.4	25	KIRGHIZ SSR
19	08	01	52.2*	13.068 N	85.940 W	33 N	4.6	1.2	15	OFF COAST OF CENTRAL CHILE. Felt (II) at Santiago.
19	08	20	40.4?	33.13 N	67.17 E	33 N	4.3	1.5	6	NICARAGUA
a 19	10	54	46.2	48.579 N	153.415 E	115 D	5.3	0.8	171	AFGHANISTAN
a 19	11	40	27.5	18.945 N	121.304 E	77	5.6	1.1	265	KURIL ISLANDS
										LUZON, PHILIPPINE ISLANDS. Slight damage (V RF) to some old buildings at Laoag. Felt (IV RF) at Pasuquin and (II RF) at Santa. Also felt at Manila.
19	13	27	00.5	46.275 N	1.436 E	26		0.8	34	FRANCE. ML 3.9 (LDG).
19	14	05	16.9	40.730 N	22.132 E	10 G		1.2	10	GREECE
19	15	36	32.2*	24.304 S	67.116 W	214 *		1.0	8	CHILE-ARGENTINA BORDER REGION
19	15	54	57.8	42.358 N	19.991 E	10 G		1.0	11	YUGOSLAVIA. MD 2.9 (TTG).
19	16	07	15.1	22.320 N	143.245 E	33 N	5.0	0.9	35	VOLCANO ISLANDS REGION
19	16	17	06.9	41.256 N	22.026 E	10 G		0.3	10	YUGOSLAVIA. MG 3.1 (SKD).
a 19	17	34	24.7	25.136 N	91.184 E	18 *	5.3	1.0	157	INDIA-BANGLADESH BORDER REGION. Felt at Shillang, India and in the Dhaka area, Bangladesh.
19	17	56	11.17	38.85 N	144.89 E	33 N	4.5	1.4	8	OFF EAST COAST OF HONSHU, JAPAN
19	18	47	46.2*	39.450 N	75.442 E	33 N	4.2	0.5	6	SOUTHERN XINJIANG, CHINA
19	19	17	08.5*	11.471 S	163.437 E	47 *	4.6	0.6	12	SOLOMON ISLANDS
19	23	49	06.8	36.855 N	121.295 W	10 G		0.6	16	CENTRAL CALIFORNIA. ML 2.9 (BRK).
20	00	01	56.2?	13.49 S	168.06 E	33 N	4.5	1.7	16	VANUATU ISLANDS
20	00	13	43.8	14.661 N	91.833 W	102 *	4.7	1.1	56	GUATEMALA. Felt in the Quezaltenango-Retalhuleu area. Felt (II) at Guatemala City. Also felt in Chiapas, Mexico.
20	00	35	07.5	36.848 N	121.303 W	10 G		0.6	11	CENTRAL CALIFORNIA. ML 2.6 (BRK).
20	01	15	40.5	42.339 N	19.893 E	10 G		1.0	10	YUGOSLAVIA. ML 2.6 (TTG).
20	02	37	14.7?	30.62 S	72.03 W	33 N		1.5	6	OFF COAST OF CENTRAL CHILE
20	03	56	23.78	60.463 N	152.918 W	145			36	SOUTHERN ALASKA. <AGS-P>.
20	04	09	04.7*	52.925 N	167.982 W	33 N	4.7	1.3	15	FOX ISLANDS, ALEUTIAN ISLANDS
20	04	15	22.7*	36.392 N	71.076 E	239 ?	4.2	0.5	12	AFGHANISTAN-USSR BORDER REGION
20	04	23	30.9?	29.37 S	73.24 W	33 N		0.9	6	OFF COAST OF CENTRAL CHILE
20	05	28	52.9*	31.571 S	179.982 E	325 *	4.3	1.4	15	KERMADEC ISLANDS REGION
20	05	37	59.5	24.976 S	179.710 E	507 *	4.8	1.0	47	SOUTH OF FIJI ISLANDS
20	06	29	12.5	2.315 N	126.923 E	45 *	5.1	1.2	63	MOLUCCA PASSAGE
20	08	16	22.4?	28.11 N	140.34 E	33 N		1.4	6	BONIN ISLANDS REGION
a 20	09	16	02.5	21.122 S	70.116 W	33 N	5.7	1.3	156	NEAR COAST OF NORTHERN CHILE. Felt (II) at Antofagasta.
20	11	16	19.2	35.183 N	27.770 E	33 N	3.9	1.3	18	DODECANESE ISLANDS
20	11	51	21.5*	39.221 N	34.450 E	10 G		0.3	5	TURKEY
20	11	56	34.8?	60.320 N	5.527 E	10 G		1.1	5	SOUTHERN NORWAY. MD 1.7 (BER).
a 20	12	16	41.7	22.060 S	179.560 W	602 D	5.7	1.1	203	SOUTH OF FIJI ISLANDS
20	12	34	57.3	40.768 N	22.087 E	10 G		0.5	8	GREECE
20	14	24	23.2?	60.154 N	6.949 E	10 G		1.2	5	SOUTHERN NORWAY. MD 1.7 (BER).
20	15	22	00.0	62.355 N	124.158 W	10 G	4.3	1.2	26	NORTHWEST TERRITORIES, CANADA. Felt at Fort Simpson and Wrigley.
20	16	05	33.3	47.375 N	5.298 E	10 G		1.1	9	FRANCE. ML 2.5 (LDG).
a 20	16	06	34.9	23.495 S	179.708 W	548	5.2	1.1	74	SOUTH OF FIJI ISLANDS
20	16	42	20.5	42.327 N	20.044 E	10 G		0.9	12	YUGOSLAVIA. ML 3.2 (TTG).
20	17	04	03.0?	53.25 N	159.27 E	33 N	4.5	1.0	19	NEAR EAST COAST OF KAMCHATKA
20	17	33	36.0*	61.869 N	124.484 W	10 G		1.1	7	NORTHWEST TERRITORIES, CANADA
20	19	58	47.1	42.361 N	19.924 E	10 G		1.1	13	YUGOSLAVIA. MD 2.8 (TTG).
20	20	31	52.9*	35.035 N	27.682 E	33 N		0.8	6	DODECANESE ISLANDS
20	20	54	33.9*	17.605 N	94.974 W	139 *	4.8	1.0	26	CHIAPAS, MEXICO. Felt in the states of Veracruz and Oaxaca.
20	21	43	54.0	33.290 S	150.542 E	5 G		1.0	23	NEAR S.E. COAST OF AUSTRALIA. ML 4.1 (WER). Felt (IV) at Sydney.
20	21	49	33.3*	36.327 N	22.882 E	33 N	3.7	0.7	5	SOUTHERN GREECE. ML 3.5 (ATH).
21	00	04	43.3?	46.210 N	2.979 E	10 G		0.6	5	FRANCE. ML 1.5 (LDG).
21	00	14	17.8	56.128 N	155.109 W	33 N	4.8	0.8	50	ALASKA PENINSULA. ML 4.6 (PMR).
21	00	14	34.5?	19.76 S	68.08 W	170 ?		1.2	6	CHILE-BOLIVIA BORDER REGION
21	00	23	37.1	42.306 N	19.933 E	10 G	3.2	1.2	20	YUGOSLAVIA. MD 3.4 (TTG).
21	00	28	46.0*	24.395 S	65.202 W	23 *		1.6	10	SALTA PROVINCE, ARGENTINA
21	00	34	18.6*	42.353 N	19.934 E	10 G		0.3	6	YUGOSLAVIA. MD 2.8 (TTG).
21	00	49	50.8?	12.56 N	91.22 W	33 N	3.8	1.0	12	OFF COAST OF CENTRAL AMERICA
21	01	04	57.8*	31.473 N	116.625 W	8 G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.3 (ECX).
21	01	15	25.3*	14.616 S	75.485 W	33 N		0.8	7	NEAR COAST OF PERU
21	01	51	30.1?	45.80 N	3.30 E	10 G		0.4	5	FRANCE. ML 1.9 (LDG).
21	02	51	42.5	42.319 N	19.903 E	10 G		1.1	16	YUGOSLAVIA. MD 3.2 (TTG).
21	03	08	17.6	41.846 N	142.619 E	64	5.1	0.9	141	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Urakawa; (II JMA) at Kushiro and Obihira; (I JMA) at Muroran and Sapporo, Hokkaido. Felt (II JMA) at Hachinohe and (I JMA) at Morioka, Honshu.
21	03	09	52.8*	31.117 N	113.235 W	10 G *		1.6	8	GULF OF CALIFORNIA
a 21	05	00	07.0*	19.106 S	169.564 E	277 *	4.5	1.3	13	VANUATU ISLANDS
21	05	39	55.9	43.321 N	25.968 E	21	4.8	1.2	154	BULGARIA. ML 5.2 (TTG).
21	06	18	35.2	43.348 N	26.128 E	16	4.2	1.1	58	BULGARIA
21	06	30	09.6*	18.345 S	174.759 W	47 *	4.9	0.8	18	TONGA ISLANDS
21	07	38	02.9*	12.924 N	87.785 W	33 N	4.4	1.4	13	NEAR COAST OF NICARAGUA
21	08	00	35.6*	28.143 N	140.595 E	33 N	4.2	0.9	10	BONIN ISLANDS REGION
21	08	36	38.7	43.202 N	26.060 E	10 G		0.9	18	BULGARIA
21	08	37	44.2?	8.28 N	83.03 W	33 N		0.5	11	COSTA RICA. MD 4.2 (HDC).
21	09	16	56.0?	60.090 N	6.570 E	10 G		0.3	5	SOUTHERN NORWAY. MD 1.6 (BER).
21	10	49	43.2*	27.957 S	64.331 E	10 G	5.2	1.0	17	ATLANTIC-INDIAN RISE
21	11	22	39.3*	11.202 S	166.380 E	33 N	4.8	1.1	17	SANTA CRUZ ISLANDS
21	11	54	33.5?	8.46 N	82.96 W	33 N		0.8	11	PANAMA-COSTA RICA BORDER REGION. MD 4.1 (HDC).
21	12	14	36.5	6.007 N	126.758 E	33 N	4.9	0.9	23	MINDANAO, PHILIPPINE ISLANDS

21	13 06 23.3*	41.637 N	28.592 E	10 G	1.4	6	TURKEY
21	13 10 21.4	4.650 S	143.607 E	102 5.1	0.9	32	PAPUA NEW GUINEA
21	13 22 00.8	42.567 N	24.118 E	10 G	1.3	6	BULGARIA
21	15 06 43.6?	83.29 N	117.18 E	10 G 4.1	0.8	12	NORTH OF SEVERNAYA ZEMLYA
21	15 18 00.7	42.340 N	20.034 E	10 G	0.6	9	YUGOSLAVIA. ML 2.8 (TTG).
21	17 24 43.8	36.400 N	26.569 E	149 4.9	1.0	116	DODECANESE ISLANDS
21	18 28 59.8*	6.254 S	120.108 E	47 * 5.3	1.2	13	FLORES SEA
21	18 30 48.9&	59.998 N	153.179 W	121		22	SOUTHERN ALASKA. <AGS-P>.
21	18 31 18.5*	30.656 N	113.709 W	10 G 4.5	1.2	33	GULF OF CALIFORNIA
21	19 12 29.6*	29.943 S	70.799 W	163 ?	0.5	9	CENTRAL CHILE
21	23 01 47.8%	40.504 N	27.114 E	10 G	1.3	5	TURKEY
21	23 20 04.9	50.250 N	12.396 E	10 G	0.2	6	GERMANY
21	23 20 12.6&	41.742 N	112.815 W	5		10	UTAH. <SLC-P>. ML 3.6 (SLC).
21	23 24 49.7&	31.837 N	115.795 W	8 G		3	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
21	23 47 36.1*	1.147 N	120.862 E	33 N 4.3	1.3	12	MINAHASSA PENINSULA
21	23 49 05.6?	43.48 N	2.11 W	10 G	0.3	5	SPAIN. ML 3.1 (LDG).
22	00 16 22.4%	43.094 N	18.858 E	10 G	0.6	5	YUGOSLAVIA. MD 2.4 (TTG).
22	01 07 53.9*	27.744 S	70.950 W	107 ?	1.3	13	NEAR COAST OF NORTHERN CHILE
22	01 24 48.2	21.321 S	67.191 W	189 4.9	1.3	49	CHILE-BOLIVIA BORDER REGION
22	01 56 59.0?	46.29 N	12.63 E	10 G	1.2	5	NORTHERN ITALY. ML 2.3 (KBA), MD 2.2 (TRI).
22	02 07 40.7	42.341 N	19.973 E	10 G	0.3	9	YUGOSLAVIA. ML 2.6 (TTG).
22	02 21 50.3*	15.901 S	72.809 W	131 * 4.5	1.2	14	SOUTHERN PERU
22	03 51 51.5	41.864 N	23.655 E	10 G	0.8	10	GREECE-BULGARIA BORDER REGION
22	04 19 25.0?	16.94 N	62.16 W	10 G	0.2	5	LEEWARD ISLANDS
22	08 28 07.6	2.886 S	141.612 E	42 * 5.1	1.3	36	NEAR N COAST OF PAPUA NEW GUINEA
22	09 08 13.5*	43.179 N	25.898 E	10 G	1.4	6	BULGARIA
22	09 11 32.1	38.972 N	21.998 E	10 G 4.3	1.3	53	GREECE. ML 3.9 (ATH).
22	10 36 25.6	16.909 N	62.296 W	10 G	1.0	12	LEEWARD ISLANDS. ML 4.0 (FDF).
22	11 17 41.8?	38.81 N	69.99 E	33 N 4.4	1.1	7	TAJIK SSR. Felt (III) at Char-Sady.
22	12 07 26.7	42.363 N	19.946 E	10 G	0.5	7	YUGOSLAVIA. MD 2.5 (TTG).
22	15 04 24.4*	38.807 N	26.362 E	10 G	1.2	11	AEGEAN SEA
22	15 23 22.8%	42.737 N	18.472 E	10 G	1.1	5	YUGOSLAVIA. ML 2.4 (TTG).
22	15 41 32.6?	31.17 S	71.91 W	139 ?	0.9	11	NEAR COAST OF CENTRAL CHILE
22	15 52 28.8?	42.70 N	86.74 E	33 N 3.9	1.9	5	NORTHERN XINJIANG, CHINA
22	16 30 24.3?	44.40 N	147.38 E	33 N 4.7	1.1	17	KURIL ISLANDS
22	17 16 51.6?	29.31 S	176.33 W	33 N 4.6	1.4	10	KERMADEC ISLANDS REGION
22	17 40 16.7	21.919 S	179.511 W	605 * 4.9	1.0	33	FIJI ISLANDS REGION
22	17 40 52.5*	36.579 N	70.474 E	186 ? 4.4	0.4	11	HINDU KUSH REGION
22	17 51 43.2*	29.200 S	176.814 W	33 N 4.5	1.2	24	KERMADEC ISLANDS REGION
22	18 17 39.3*	51.437 N	175.169 W	33 N 4.3	1.1	10	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.9 (PMR).
22	18 47 21.3*	2.092 S	78.297 W	33 N 4.8	1.3	15	ECUADOR
22	20 03 10.8	38.989 N	31.538 E	6 4.5	0.9	25	TURKEY
22	20 43 56.8	39.552 N	28.582 E	10 G	0.9	12	TURKEY
22	20 44 09.0*	39.971 N	74.788 E	33 N 3.8	0.5	6	SOUTHERN XINJIANG, CHINA
22	20 57 53.2*	24.429 S	70.450 W	82 ?	0.1	6	NEAR COAST OF NORTHERN CHILE
22	21 11 35.6	36.876 N	21.928 E	62 4.7	1.0	58	SOUTHERN GREECE
22	21 30 58.0?	6.99 S	129.21 E	33 ?	0.6	5	BANDA SEA
22	22 28 15.7?	39.63 N	28.51 E	10 G	0.4	5	TURKEY
22	22 44 58.4*	13.992 N	120.799 E	232 4.1	1.1	24	MINDORO, PHILIPPINE ISLANDS
22	23 32 51.4*	4.066 S	152.045 E	18 *	0.7	6	NEW BRITAIN REGION
23	01 20 02.8	36.336 N	71.234 E	94 ? 4.5	1.3	21	AFGHANISTAN-USSR BORDER REGION
23	02 03 31.8%	38.572 N	31.327 E	10 G	0.8	10	TURKEY
23	02 35 59.4*	9.779 N	94.063 E	33 N 4.2	1.3	10	NICOBAR ISLANDS REGION
23	03 16 01.7*	32.267 S	72.270 W	33 N	1.2	14	OFF COAST OF CENTRAL CHILE
23	03 32 16.4?	1.17 S	126.99 E	33 N 4.5	0.6	7	MOLUCCA SEA
23	03 58 33.9%	40.796 N	27.837 E	12	0.7	7	TURKEY
23	04 00 19.0*	22.439 S	66.004 W	284 *	1.0	8	JUJUY PROVINCE, ARGENTINA
23	04 27 43.9*	52.819 N	168.261 W	33 N 4.0	1.3	11	FOX ISLANDS, ALEUTIAN ISLANDS
23	06 16 23.6	6.000 S	146.745 E	116 5.3	0.8	50	EAST PAPUA NEW GUINEA REGION
23	06 27 35.8%	39.875 N	28.844 E	10 G	0.8	5	TURKEY
23	08 40 58.7*	28.212 N	140.860 E	33 N 4.4	1.3	16	BONIN ISLANDS REGION
23	12 28 42.3*	10.250 N	57.409 E	10 G 4.7	1.1	16	CARLSBERG RIDGE
23	15 30 12.5&	60.307 N	141.069 W	16		19	SOUTHEASTERN ALASKA. <AGS-P>.
23	16 18 59.2	31.319 S	68.768 W	113 4.8	0.9	47	SAN JUAN PROVINCE, ARGENTINA
23	17 06 12.5	63.404 N	150.077 W	33 N	0.9	10	CENTRAL ALASKA
o 23	18 28 52.1	14.449 S	166.722 E	33 N 5.4 5.0	0.9	160	VANUATU ISLANDS
23	19 18 50.9%	40.619 N	29.166 E	10 G	0.1	5	TURKEY
23	20 55 26.9&	31.696 N	115.911 W	8 G		4	BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
23	22 32 48.2	24.282 S	70.350 W	65 * 4.9	1.4	27	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antafagasta.
23	22 41 23.2&	31.590 N	115.677 W	8 G		4	BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
23	22 52 38.3?	36.20 S	72.61 W	119 ?	0.4	13	NEAR COAST OF CENTRAL CHILE
23	23 17 57.6	42.322 N	20.006 E	10 G	0.9	10	YUGOSLAVIA. ML 2.6 (TTG).
23	23 18 48.7	42.289 N	20.013 E	10 G	1.2	10	YUGOSLAVIA. ML 2.6 (TTG).
23	23 43 15.8%	15.155 N	60.322 W	10 G	0.3	9	LEEWARD ISLANDS. ML 3.4 (FDF).
23	23 53 50.0	26.381 N	141.124 E	113 * 4.4	1.0	18	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
o 24	00 19 41.7	16.882 S	174.318 E	11 5.7 5.7	1.2	162	FIJI ISLANDS REGION
24	00 27 29.3	36.086 N	70.479 E	77 * 5.0	1.0	45	HINDU KUSH REGION. Felt (III) at Kharag and Dushanbe, USSR.
24	00 39 35.5?	16.61 S	75.14 W	33 N	1.4	6	OFF COAST OF PERU
24	01 26 58.2	12.754 S	114.609 E	32 D 5.2	1.3	54	NORTHWEST OF AUSTRALIA
24	02 09 16.7?	34.06 S	71.80 W	33 N	0.6	11	NEAR COAST OF CENTRAL CHILE
24	02 18 21.6	37.066 N	141.639 E	53 4.7	0.9	30	NEAR EAST COAST OF HONSHU, JAPAN
24	02 20 10.5?	35.22 N	21.63 E	33 N 4.0 4.2	1.4	7	MEDITERRANEAN SEA. ML 4.1 (ATH).
o 24	02 31 26.7	1.729 N	127.354 E	118 5.4	1.1	81	HALMAHERA
24	03 13 33.0*	43.081 N	111.224 W	5 G	1.4	6	EASTERN IDAHO. ML 2.8 (NEIS). Felt (III) at Alpine, Wyoming and (II) at Thayne, Wyoming.
24	03 22 05.6	42.304 N	19.969 E	10 G	1.0	11	YUGOSLAVIA. ML 2.7 (TTG).
24	03 32 24.6*	28.071 N	140.653 E	33 N 4.8	0.6	6	BONIN ISLANDS REGION
24	03 56 45.3%	38.719 N	30.862 E	10 G	1.2	5	TURKEY
24	04 19 03.9%	38.750 N	27.818 E	10 G	0.7	6	TURKEY
24	05 04 33.8%	39.768 N	30.100 E	10 G	1.2	7	TURKEY
24	05 28 35.7*	38.987 N	31.207 E	10 G	0.9	13	TURKEY

24	06 57 27.0%	38.950 N	31.245 E	10 G	0.7	7	TURKEY
24	07 44 13.87	66.22 N	150.01 W	10 G	1.3	5	ALASKA. ML 3.7 (PMR).
24	08 27 10.4+	33.538 S	71.395 W	33 N	1.1	14	NEAR COAST OF CENTRAL CHILE
24	08 53 13.2+	27.957 S	66.657 W	196 *	0.4	10	CATAMARCA PROVINCE, ARGENTINA
24	10 36 17.97	33.86 S	71.88 W	10 G	0.4	7	NEAR COAST OF CENTRAL CHILE
24	11 21 31.1+	21.203 S	174.504 W	103 ?	4.8	1.2	30 TONGA ISLANDS
24	11 40 42.37	16.82 S	67.10 E	10 G	4.9	1.4	13 MID-INDIAN RISE
24	13 47 25.9	42.386 N	18.886 E	10 G	1.1	8	YUGOSLAVIA. ML 2.5 (TTG).
24	14 16 00.3	31.698 S	67.949 W	33 N	1.0	6	SAN JUAN PROVINCE, ARGENTINA
24	15 51 44.5+	3.527 S	135.163 E	33 N	4.8	0.7	8 WEST IRIAN REGION
24	16 12 27.3	35.563 N	25.231 E	116 *	0.9	15	CRETE
24	16 12 47.1	6.959 N	76.695 W	10 G	1.1	6	NORTHERN COLOMBIA
24	16 17 06.57	39.02 N	32.34 E	10 G	0.3	5	TURKEY
24	16 24 57.2+	37.992 S	176.376 E	167 *	5.0	1.2	7 NORTH ISLAND, NEW ZEALAND
24	16 46 11.5	29.057 S	67.800 W	140 *	1.0	21	LA RIOJA PROVINCE, ARGENTINA
24	17 28 29.5%	39.018 N	31.517 E	10 G	1.4	6	TURKEY
24	17 46 48.3+	24.222 N	125.247 E	33 N	4.5	0.4	5 SOUTHWESTERN RYUKYU ISLANDS
24	18 07 48.2	7.009 N	76.530 W	10 G	1.3	10	NORTHERN COLOMBIA
24	18 22 43.0+	39.168 N	26.947 E	10 G	1.4	10	TURKEY
24	18 55 14.8	63.075 N	150.383 W	112	4.6	0.8	66 CENTRAL ALASKA. Felt (II) at Gold Creek.
24	19 07 41.1	46.456 N	27.448 W	10 G	4.7 5.2	0.9	92 NORTH ATLANTIC RIDGE
24	19 21 33.97	34.20 S	72.38 W	33 N	0.7	11	NEAR COAST OF CENTRAL CHILE
24	19 39 38.6%	62.071 N	149.771 W	55		32	CENTRAL ALASKA. <AGS-P>.
24	19 41 46.3	8.934 S	156.795 E	10 G	5.7 6.0	1.2	127 SOLOMON ISLANDS. Ms 6.0 (PAS). Felt at Simbo.
24	19 59 25.4%	59.497 N	152.718 W	70		39	SOUTHERN ALASKA. <AGS-P>.
24	20 01 17.5	8.897 S	156.760 E	10 G	5.3	0.9	64 SOLOMON ISLANDS
24	20 55 49.8	26.302 N	125.845 E	146	4.7	0.8	19 NORTHEAST OF TAIWAN
24	21 12 07.27	10.60 N	138.59 E	33 N	4.7	1.0	10 WEST CAROLINE ISLANDS
24	23 49 00.0+	43.081 N	2.692 W	10 G	1.0	5	SPAIN. ML 3.1 (LDG).
24	23 52 22.0+	34.692 N	97.479 W	5 G	0.9	6	OKLAHOMA. mbLg 2.3 (TUL).
25	00 39 27.8+	17.571 S	71.052 W	92 *	4.9	1.1	13 NEAR COAST OF PERU
25	01 29 49.5+	36.344 S	52.379 E	10 G	5.1	1.1	21 ATLANTIC-INDIAN RISE
25	01 34 42.4	42.365 N	19.922 E	10 G	0.6	10	YUGOSLAVIA. ML 2.6 (TTG).
25	01 49 28.9+	28.262 N	140.646 E	33 N	4.7	1.2	9 BONIN ISLANDS REGION
25	02 02 46.2+	39.338 N	20.777 E	10 G	0.7	5	GREECE-ALBANIA BORDER REGION
25	09 25 29.97	14.30 N	92.79 W	102 ?	4.3	1.4	7 NEAR COAST OF CHIAPAS, MEXICO
25	10 39 32.2+	28.173 N	140.615 E	33 N	4.6	0.8	8 BONIN ISLANDS REGION
25	10 56 20.1+	5.399 N	74.900 W	10 *	1.3	6	COLOMBIA. Felt at Moriquita.
25	12 14 42.1+	31.305 S	68.455 W	116 ?	1.4	7	SAN JUAN PROVINCE, ARGENTINA
25	15 04 45.5	39.318 N	73.403 E	33 N	4.3	1.0	15 TAJIK-XINJIANG BORDER REGION
25	17 00 42.5	42.270 N	19.973 E	10 G	1.3	9	YUGOSLAVIA. MD 2.6 (PVY).
25	17 02 02.67	66.33 N	149.93 W	10 G	1.2	6	ALASKA. ML 3.8 (PMR).
25	17 10 39.4	44.008 N	4.750 E	15	0.7	25	FRANCE. ML 3.6 (LDG).
25	17 32 58.0%	31.806 N	116.636 W	8 G		3	BAJA CALIFORNIA. <ECX-P>. MD 2.1 (ECX).
25	21 18 34.3%	59.949 N	153.509 W	141		22	SOUTHERN ALASKA. <AGS-P>.
25	21 50 04.4+	57.093 S	141.964 W	10 G	5.1 4.9	0.7	12 SOUTH PACIFIC CORDILLERA
25	22 55 24.6+	29.899 S	71.553 W	33 N	0.9	9	NEAR COAST OF CENTRAL CHILE
25	23 03 32.57	48.43 N	8.72 E	10 G	1.3	5	GERMANY. ML 2.7 (LDG).
26	00 39 08.2	1.807 S	134.195 E	33 N	5.3 4.8	1.0	57 WEST IRIAN REGION
26	01 10 40.8	37.172 N	3.806 W	10 G	0.9	7	SPAIN. Felt (III) at Granada.
26	01 27 35.5	42.333 N	20.026 E	10 G	0.3	9	YUGOSLAVIA. ML 2.6 (TTG).
26	01 40 01.5+	34.008 S	70.151 W	33 N	1.0	11	CHILE-ARGENTINA BORDER REGION
26	04 30 14.3+	12.073 N	86.721 W	33 N	4.7 4.2	1.4	41 NICARAGUA
26	04 55 30.5	41.911 N	142.402 E	71	5.0	1.1	108 HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakawa; (I JMA) at Muroran and Obihiro, Hokkaido. Also felt (II JMA) at Morioka, Honshu.
26	04 57 04.77	16.92 N	62.09 W	10 G	0.1	5	LEEWARD ISLANDS
26	05 11 12.07	41.98 N	1.67 E	10 G	1.3	10	SPAIN. ML 3.3 (LDG).
26	05 45 04.1	39.004 N	31.484 E	33	4.5	1.0	23 TURKEY
26	05 55 27.1	31.621 S	69.291 W	122	4.5	0.7	22 SAN JUAN PROVINCE, ARGENTINA
26	06 32 01.9	29.850 S	67.082 W	60 ?	0.8	15	LA RIOJA PROVINCE, ARGENTINA
26	06 49 37.2	39.078 N	25.773 E	10 G	0.9	12	AEGEAN SEA. ML 3.4 (ATH).
26	07 37 06.1+	35.423 N	23.467 E	92 *	4.5	1.3	25 CRETE
26	08 01 55.5	28.325 N	140.550 E	38 *	4.8	1.0	61 BONIN ISLANDS REGION
26	08 26 18.87	29.81 S	69.45 W	10 G	1.2	7	CHILE-ARGENTINA BORDER REGION
26	09 55 16.0%	39.662 N	28.538 E	10 G	0.4	6	TURKEY
26	11 05 03.6	1.888 S	134.207 E	33 N	5.4 4.9	1.3	51 WEST IRIAN REGION
26	11 41 14.0	9.653 N	61.404 W	54	4.5 4.6	1.2	50 NEAR COAST OF VENEZUELA
26	11 56 37.07	53.35 N	159.50 E	33 N	4.6	0.8	7 NEAR EAST COAST OF KAMCHATKA
26	12 47 55.4+	20.482 N	73.723 E	33 N	4.3	0.4	5 INDIA
26	13 07 20.5+	46.063 N	6.987 E	10 G	1.3	11	SWITZERLAND. ML 2.9 (LDG).
26	15 05 49.3	44.627 N	114.192 W	5 G	0.4	16	WESTERN IDAHO. ML 3.7 (NEIS).
26	15 32 47.0	42.282 N	19.972 E	10 G	0.7	10	YUGOSLAVIA. MD 2.8 (PVY).
26	15 43 41.1+	24.264 S	179.329 W	505 *	4.8	0.9	21 SOUTH OF FIJI ISLANDS
26	15 46 45.7+	40.014 N	21.390 E	10 G	0.8	6	GREECE
26	18 27 48.9	36.767 N	120.735 W	5 G	0.8	13	CENTRAL CALIFORNIA. ML 2.5 (BRK).
26	19 15 34.4+	36.909 N	26.680 E	10 G	1.4	6	DODECANESE ISLANDS
26	19 22 49.6	20.379 S	178.527 W	581 *	4.9	0.7	14 FIJI ISLANDS REGION
26	19 57 18.67	16.74 S	65.05 W	33 N	0.9	5	BOLIVIA
26	20 34 01.87	51.61 N	16.30 E	10 G	0.5	11	POLAND. ML 3.5 (KBA), 3.5 (VKA).
26	22 49 59.0	24.815 N	100.190 W	33 N	4.4	1.1	22 CENTRAL MEXICO
27	00 30 46.6+	15.077 S	76.201 W	33 N	4.8	1.5	13 OFF COAST OF PERU
27	01 43 57.3+	36.405 N	140.281 E	30 *	0.5	6	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito.
27	01 46 32.5	22.113 N	143.745 E	158 ?	4.7	0.8	31 VOLCANO ISLANDS REGION
27	02 06 20.9+	40.116 N	77.306 E	33 N	4.0	1.6	6 KIRGHIZ-XINJIANG BORDER REGION
27	02 27 07.9+	14.724 S	75.954 W	33 N	0.7	6	NEAR COAST OF PERU
27	03 24 42.5+	30.527 S	72.117 W	33 N	0.5	14	OFF COAST OF CENTRAL CHILE
27	03 29 50.2	3.155 S	129.087 E	33 N	4.6 4.4	1.4	27 CERAM
27	03 31 42.17	16.93 N	62.14 W	10 G	0.5	5	LEEWARD ISLANDS
27	03 43 26.3	17.005 N	62.281 W	10 G	0.2	6	LEEWARD ISLANDS. ML 3.4 (FDF).
27	04 09 54.3+	28.159 N	140.632 E	33 N	4.7	0.9	6 BONIN ISLANDS REGION
27	06 00 18.9%	62.401 N	150.635 W	73		26	CENTRAL ALASKA. <AGS-P>.
27	06 23 13.7	24.022 N	122.249 E	45	5.8 5.5	0.9	218 TAIWAN REGION. Felt on northeastern Taiwan. Felt (I

27	07 31 42.0%	46.236 N	1.394 E	10 G	0.7	9	JMA) on Ishigaki-shima, Ryukyu Islands.
27	07 36 56.0	23.993 N	122.489 E	31	5.1 4.8	1.0	FRANCE. ML 2.6 (LDG).
27	08 05 26.77	1.34 S	127.02 E	33 N	4.7	1.5	83 TAIWAN REGION. Felt on northeastern Taiwan.
27	08 46 39.67	52.31 N	161.71 E	33 N	4.4	1.0	14 HALMAHERA
27	09 40 47.27	40.86 N	21.99 E	10 G		1.1	6 OFF EAST COAST OF KAMCHATKA
27	09 48 37.5*	43.785 N	6.593 E	10 G		0.7	5 GREECE
27	09 50 52.1	28.138 S	71.172 W	77 *	4.7	1.2	6 NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG).
27	11 05 32.1%	15.776 N	60.705 W	10 G		0.2	28 NEAR COAST OF CENTRAL CHILE
27	11 10 55.4	46.443 N	11.546 E	13		1.0	8 LEEWARD ISLANDS. ML 2.9 (FDF).
27	12 07 06.4	47.641 N	8.826 E	33 N		1.2	29 NORTHERN ITALY. ML 3.3 (KBA), 3.1 (TRI), 3.3 (LDG). Felt (IV) at Bolzano.
27	15 13 17.1*	6.691 S	129.829 E	147 ?	4.7	1.4	74 SWITZERLAND. ML 4.5 (GRF), 4.5 (LDG), 4.3 (BNS). MD 4.5 (KBA). Felt strongly in northeastern Switzerland. Felt (IV) at Bregenz, Austria.
27	15 27 16.6*	38.117 N	72.830 E	33 N	3.9	0.9	21 BANDA SEA
27	16 30 39.47	3.84 S	139.24 E	33 N	3.1	1.3	5 TAJIK SSR
27	17 56 06.3*	20.424 N	94.033 E	33 N		0.4	6 WEST IRIAN
27	21 06 36.4*	29.050 N	81.125 E	33 N		1.0	6 BURMA
27	21 07 19.4*	10.308 S	119.290 E	33 N	2.9	1.0	6 NEPAL
27	23 11 10.3?	15.16 S	74.70 W	83 ?		0.9	6 SUMBA ISLAND REGION
27	23 26 19.97	7.02 S	128.55 E	317 ?	4.8	1.0	7 NEAR COAST OF PERU
28	01 03 38.2*	56.704 S	26.278 W	33 N	5.5	1.0	10 BANDA SEA
28	01 12 56.6	9.622 N	61.404 W	46	4.5	1.2	17 SOUTH SANDWICH ISLANDS REGION
28	04 00 01.3%	40.434 N	28.491 E	10 G		0.1	48 NEAR COAST OF VENEZUELA. Felt on southern Trinidad.
28	04 05 54.2*	10.347 S	119.252 E	33 N	3.8	1.0	5 TURKEY
28	04 36 27.57	18.26 S	173.91 W	33 N	4.8	1.4	5 SUMBA ISLAND REGION
28	06 33 49.2*	60.267 N	141.036 W	13			9 TONGA ISLANDS
28	10 29 57.77	41.06 N	23.57 E	10 G		1.5	14 SOUTHEASTERN ALASKA. <AGS-P>.
28	10 31 12.8	22.058 N	143.867 E	113 *	4.9	1.0	6 GREECE-BULGARIA BORDER REGION
28	10 31 35.8*	40.598 N	124.728 W	14			76 VOLCANO ISLANDS REGION
28	12 25 31.9%	39.017 N	27.750 E	10 G		1.4	7 NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
28	12 54 19.4	43.209 N	17.407 E	10 G		0.9	5 TURKEY
28	13 04 07.3%	42.352 N	18.939 E	10 G		0.2	6 YUGOSLAVIA
28	13 32 41.9	50.131 N	19.112 E	10 G		0.4	6 YUGOSLAVIA. MD 2.3 (TTG).
28	13 38 00.2*	13.759 N	93.147 E	33 N	4.2	1.0	6 POLAND. ML 3.5 (KBA), 3.2 (VKA).
28	15 03 48.1*	45.367 N	24.659 E	10 G		1.3	7 ANDAMAN ISLANDS REGION
28	15 08 11.3*	14.474 S	168.353 E	33 N		0.8	6 ROMANIA
28	15 12 24.1*	57.474 N	156.696 W	33 N	4.1	1.1	6 VANUATU ISLANDS
28	15 14 05.4*	31.858 N	115.787 W	8 G			13 ALASKA PENINSULA. ML 4.1 (PMR). Felt at King Salmon.
28	15 15 28.97	57.76 N	156.41 W	33 N		1.9	4 BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
28	15 24 40.0*	31.879 N	115.761 W	8 G			5 ALASKA PENINSULA. ML 3.9 (PMR).
28	15 28 41.8	31.872 N	115.785 W	5 G		0.4	4 BAJA CALIFORNIA. <ECX-P>. MD 2.6 (ECX).
28	15 30 09.3*	31.872 N	115.775 W	8 G			17 BAJA CALIFORNIA. ML 3.7 (PAS).
28	15 33 57.37	19.58 S	172.89 W	33 N	5.0 4.7	1.4	4 BAJA CALIFORNIA. <ECX-P>. MD 2.8 (ECX).
28	16 05 10.4*	34.068 N	135.421 E	79 ?		0.5	17 TONGA ISLANDS REGION
28	17 01 45.3	60.345 N	152.966 W	125	4.7	0.9	8 NEAR S. COAST OF SOUTHERN HONSHU
28	17 01 52.0*	51.395 N	170.191 W	33 N	4.6	1.4	62 SOUTHERN ALASKA. Felt (III) at Homer.
28	17 07 29.3	48.627 N	126.674 E	33 N	4.8	1.1	14 FOX ISLANDS, ALEUTIAN ISLANDS
28	18 17 54.6	8.764 S	123.224 E	33 N	5.1	1.3	44 NORTHEASTERN CHINA
28	18 34 42.8*	7.014 N	73.284 W	146 ?		1.0	52 FLORES ISLAND REGION
28	19 19 24.0*	31.463 S	68.598 W	115 *		1.0	8 NORTHERN COLOMBIA
28	19 33 06.87	9.95 S	123.58 E	33 N	3.6	0.9	14 SAN JUAN PROVINCE, ARGENTINA
28	20 51 21.6*	29.108 N	81.909 E	63 *	4.6	1.0	7 TIMOR
28	21 25 20.0*	23.097 S	66.647 W	223	4.4	1.2	18 NEPAL
28	22 38 37.5*	61.083 N	152.173 W	109			16 JUJUY PROVINCE, ARGENTINA
28	22 39 01.9*	43.565 N	16.509 E	10 G		0.7	36 SOUTHERN ALASKA. <AGS-P>.
a 28	22 47 33.9	23.573 N	142.266 E	33 N	5.1 4.1	0.7	9 YUGOSLAVIA. MD 3.2 (TTG), ML 2.9 (KBA).
28	23 51 04.67	52.01 N	7.05 E	10 G		0.9	57 VOLCANO ISLANDS REGION
							6 GERMANY. ML 2.3 (BNS).

ADDITIONAL SOURCE PARAMETERS

02 01 44 05.40	13.626S 166.693E	31km	Origin Time	01:44:11.5 0.2	03 20 47 35.34	27.791N 139.552E	508km
5.8mb (34 obs.)	5.6msz (5 obs.)		Lat 13.745 0.02	Lon 166.50E 0.02	5.8mb (97 obs.)		
VANUATU ISLANDS			Dep 57.6 1.2	Half-duration 3.4	BONIN ISLANDS REGION		
FAULT PLANE SOLUTION: P-Waves			Principal Axes:		FAULT PLANE SOLUTION: P-Waves		
NP1:Strike=338 Dip=53 Slip= 110			Scale 10**25 D-CM		NP1:Strike=135 Dip=82 Slip= 65		
NP2: 127 41 66			T Val= 0.78 Plg=84 Azm=256		NP2: 28 26 162		
Principal Axes:			N 0.29 2 2		Principal Axes:		
T Plg=73 Azm=304			P -1.06 5 92		T Plg=47 Azm= 19		
P 6 54			Best Double Couple:Mo=.9*10**25		P 32 246		
Comment: The focal mechanism is			NP1:Strike=184 Dip=40 Slip= 92		Comment: The focal mechanism is		
poorly controlled and			NP2: 1 50 88		moderately well controlled and		
corresponds to reverse					corresponds to reverse		
faulting with a moderate					faulting with a small strike-		
strike-slip component. The					slip component. The preferred		
preferred fault plane is not					fault plane is not determined.		
determined.							
MOMENT TENSOR SOLUTION			02 05 29 38.68	44.908N 28.159W 10km	MOMENT TENSOR SOLUTION		
Dep 41	No. of sta: 9		5.0mb (37 obs.)	5.2msz (6 obs.)	Dep 517	No. of sta: 12	
Principal Axes:			NORTH ATLANTIC RIDGE		Principal Axes:		
Scale 10**25 d-cm			CENTROID, MOMENT TENSOR (HRV)		Scale 10**25 d-cm		
T Val= 1.09 Plg=69 Azm=152			Data Used: GDSN		T Val= 5.72 Plg=37 Azm= 23		
N 0.04 19 3			L.P.B.: 11S, 18C		N 0.07 30 138		
P -1.12 10 269			Centroid Location:		P -5.79 39 256		
Best Double Couple:Mo=1.1*10**25			Origin Time	05:29:42.1 0.5	Best Double Couple:Mo=5.8*10**25		
NP1:Strike=338 Dip=38 Slip= 59			Lat 44.82N 0.10	Lon 28.35W 0.12	NP1:Strike= 51 Dip=30 Slip=178		
NP2: 195 58 112			Dep 15.0 FIX	Half-duration 1.7	NP2: 319 89 -60		
CENTROID, MOMENT TENSOR (HRV)			Principal Axes:		CENTROID, MOMENT TENSOR (HRV)		
Data Used: GDSN			Scale 10**24 D-CM		Data Used: GDSN		
L.P.B.: 16S, 35C			T Val= 1.27 Plg=17 Azm=100		L.P.B.: 16S, 40C	M.W.: 10S, 21C	
Centroid Location:			N -0.08 18 4		Centroid Location:		
			P -1.19 65 231		Origin Time	20:47:40.1 0.1	
			Best Double Couple:Mo=1.2*10**24				
			NP1:Strike=215 Dip=32 Slip= -55				
			NP2: 355 64 -110				

Lat 27.84N 0.01 Lon 139.34E 0.03
 Dep 516.0 1.1 Half-duration 6.2
 Principal Axes:
 Scale 10**25 D-CM
 T Val= 4.96 P1g=28 Azm= 1
 N 0.60 40 117
 P -5.56 38 247
 Best Double Couple: Mo=5.3*10**25
 NP1:Strike= 39 Dip=40 Slip=-170
 NP2: 302 84 -50

04 13 30 59.44 19.617S 175.397W 213km
 5.3mb (25 abs.)
 TONGA ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 7S, 11C
 Centroid Location:
 Origin Time 13:31: 4.3 2.0
 Lat 19.92S 0.20 Lon 175.39W 0.17
 Dep 268.1 7.9 Half-duration 1.3
 Principal Axes:
 Scale 10**23 D-CM
 T Val= 4.78 P1g=26 Azm=146
 N 0.99 18 46
 P -5.78 57 286
 Best Double Couple: Mo=5.3*10**23
 NP1:Strike=271 Dip=25 Slip=-42
 NP2: 41 74 -109

07 03 54 58.59 45.472N 27.926W 10km
 4.9mb (33 abs.) 5.3msz (6 abs.)
 NORTH ATLANTIC RIDGE
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 17C
 Centroid Location:
 Origin Time 03:55: 2.6 0.5
 Lat 45.51N 0.10 Lon 27.83W 0.12
 Dep 15.0 FIX Half-duration 1.5
 Principal Axes:
 Scale 10**23 D-CM
 T Val= 9.11 P1g= 5 Azm=279
 N -1.21 42 13
 P -7.90 47 183
 Best Double Couple: Mo=8.5*10**23
 NP1:Strike=333 Dip=55 Slip=-146
 NP2: 221 63 -41

07 23 46 31.73 13.322S 166.234E 33km
 5.4mb (12 abs.) 5.0msz (1 abs.)
 VANUATU ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 32C
 Centroid Location:
 Origin Time 23:46:33.6 0.3
 Lat 13.66S 0.04 Lon 166.37E 0.03
 Dep 41.6 2.4 Half-duration 2.3
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 2.96 P1g=76 Azm=348
 N 0.47 14 174
 P -3.43 1 84
 Best Double Couple: Mo=3.2*10**24
 NP1:Strike=160 Dip=45 Slip= 71
 NP2: 7 48 108

08 00 28 54.55 23.903N 92.987E 39km
 5.2mb (54 abs.) 4.9msz (5 abs.)
 INDIA-BANGLADESH BORDER REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 24C
 Centroid Location:
 Origin Time 00:28:59.0 0.6
 Lat 23.79N 0.09 Lon 93.09E 0.09
 Dep 33.0 FIX Half-duration 1.9
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 1.74 P1g=10 Azm= 90
 N -0.57 59 344
 P -1.17 29 186
 Best Double Couple: Mo=1.5*10**24
 NP1:Strike=224 Dip=62 Slip=-15
 NP2: 321 77 -152

08 00 36 03.26 36.324N 33.938W 10km
 4.8mb (11 abs.)
 AZORES ISLANDS REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 8S, 12C

Centroid Location:
 Origin Time 00:36:11.7 1.6
 Lat 36.60N 0.30 Lon 34.03W 0.17
 Dep 15.0 FIX Half-duration 1.4
 Principal Axes:
 Scale 10**23 D-CM
 T Val= 4.37 P1g= 0 Azm=140
 N -0.59 0 50
 P -3.78 90 180
 Best Double Couple: Mo=4.1*10**23
 NP1:Strike=230 Dip=45 Slip=-90
 NP2: 50 45 -90

09 23 32 11.99 36.110S 71.304W 86km
 5.3mb (22 abs.)
 CENTRAL CHILE
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 15S, 27C
 Centroid Location:
 Origin Time 23:32:18.0 0.7
 Lat 36.24S 0.07 Lon 71.11W 0.15
 Dep 125.4 4.3 Half-duration 1.5
 Principal Axes:
 Scale 10**23 D-CM
 T Val= 8.30 P1g=59 Azm=101
 N 1.86 1 192
 P -10.16 31 282
 Best Double Couple: Mo=9.2*10**23
 NP1:Strike= 14 Dip=14 Slip= 92
 NP2: 192 76 89

10 09 51 12.63 21.585S 170.404E 101km
 5.8mb (35 abs.)
 LOYALTY ISLANDS REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 31C
 Centroid Location:
 Origin Time 09:51:17.9 0.5
 Lat 21.99S 0.06 Lon 170.22E 0.04
 Dep 110.1 2.4 Half-duration 2.0
 Principal Axes:
 Scale 10**23 D-CM
 T Val= 19.60 P1g=49 Azm=307
 N -5.48 41 127
 P -14.12 0 37
 Best Double Couple: Mo=1.7*10**24
 NP1:Strike= 94 Dip=58 Slip= 39
 NP2: 340 58 141

10 18 33 47.22 39.537N 143.274E 36km
 5.5mb (60 abs.) 5.9msz (14 abs.)
 OFF EAST COAST OF HONSHU, JAPAN
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 35C
 Centroid Location:
 Origin Time 18:33:49.5 0.2
 Lat 39.29N 0.03 Lon 143.73E 0.04
 Dep 15.0 FIX Half-duration 2.7
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 7.22 P1g=58 Azm=306
 N 0.44 6 206
 P -7.66 31 112
 Best Double Couple: Mo=7.4*10**24
 NP1:Strike=181 Dip=15 Slip= 65
 NP2: 27 77 96

11 01 15 57.25 41.634N 125.353W 10km
 5.0mb (18 abs.) 5.0msz (1 abs.)
 OFF COAST OF NORTHERN CALIFORNIA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 21C
 Centroid Location:
 Origin Time 01:16: 3.5 1.0
 Lat 41.89N 0.15 Lon 125.68W 0.13
 Dep 15.0 FIX Half-duration 1.7
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 1.32 P1g=21 Azm=272
 N -0.44 56 37
 P -0.88 26 171
 Best Double Couple: Mo=1.1*10**24
 NP1:Strike=312 Dip=56 Slip=-177
 NP2: 221 87 -34

12 02 59 30.42 36.384N 141.128E 30km
 6.1mb (80 abs.) 5.9msz (20 abs.)
 NEAR EAST COAST OF HONSHU, JAPAN
 FAULT PLANE SOLUTION: P-Waves

NP1:Strike= 35 Dip=57 Slip= 90
 NP2: 215 33 90
 Principal Axes:
 T P1g=78 Azm=305
 P 12 125
 Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

MOMENT TENSOR SOLUTION
 Dep 32 No. of sta: 19
 Principal Axes:
 Scale 10**25 d-cm
 T Val= 2.41 P1g=62 Azm=298
 N -0.01 3 201
 P -2.40 28 110
 Best Double Couple: Mo=2.4*10**25
 NP1:Strike=190 Dip=17 Slip= 78
 NP2: 22 73 94
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 19S, 44C
 Centroid Location:
 Origin Time 02:59:34.8 0.1
 Lat 36.12N 0.02 Lon 141.32E 0.02
 Dep 35.8 1.3 Half-duration 4.8
 Principal Axes:
 Scale 10**25 D-CM
 T Val= 2.35 P1g=70 Azm=276
 N 0.26 4 17
 P -2.60 19 108
 Best Double Couple: Mo=2.5*10**25
 NP1:Strike=205 Dip=26 Slip= 99
 NP2: 15 64 86

12 09 01 09.88 6.569S 147.290E 39km
 5.8mb (39 abs.) 5.7msz (17 abs.)
 EAST PAPUA NEW GUINEA REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 38C
 Centroid Location:
 Origin Time 09:01:15.3 0.2
 Lat 6.58S 0.02 Lon 147.39E 0.03
 Dep 22.7 2.1 Half-duration 3.3
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 6.83 P1g=59 Azm= 37
 N 1.12 21 268
 P -7.95 22 169
 Best Double Couple: Mo=7.4*10**24
 NP1:Strike=226 Dip=29 Slip= 44
 NP2: 96 70 112

12 11 27 45.48 6.536S 147.433E 34km
 5.6mb (31 abs.) 5.5msz (9 abs.)
 EAST PAPUA NEW GUINEA REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 37C
 Centroid Location:
 Origin Time 11:27:50.7 0.3
 Lat 6.79S 0.03 Lon 147.23E 0.04
 Dep 22.8 3.5 Half-duration 2.7
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 4.44 P1g=57 Azm=333
 N 0.13 4 68
 P -4.57 33 161
 Best Double Couple: Mo=4.5*10**24
 NP1:Strike=265 Dip=13 Slip= 107
 NP2: 68 78 86

12 23 41 38.69 17.019N 62.329W 22km
 5.2mb (47 abs.) 5.3msz (3 abs.)
 LEEWARD ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 27C
 Centroid Location:
 Origin Time 23:41:47.3 0.5
 Lat 17.30N 0.05 Lon 62.41W 0.05
 Dep 15.0 FIX Half-duration 2.2
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 2.15 P1g= 2 Azm=169
 N 1.36 77 269
 P -3.52 13 78
 Best Double Couple: Mo=2.8*10**24
 NP1:Strike=214 Dip=79 Slip=-173
 NP2: 123 83 -11

13 00 24 45.10 13.384S 166.699E 19km
5.7mb (20 obs.) 5.3Msz (3 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=340 Dip=38 Slip= 90
NP2: 160 52 90
Principal Axes:
T P1g=83 Azm= 70
P 7 250
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 23 No. of sto: 5
Principal Axes:
Scale 10**24 d-cm
T Val= 7.88 P1g=66 Azm=144
N 1.25 24 333
P -9.14 3 242
Best Double Couple:Mo=8.5*10**24
NP1:Strike=309 Dip=47 Slip= 56
NP2: 173 53 120
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 00:24:51.6 0.3
Lat 13.57S 0.04 Lon 166.35E 0.03
Dep 45.4 2.2 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 4.51 P1g=78 Azm=341
N 0.91 12 178
P -5.42 3 87
Best Double Couple:Mo=5.0*10**24
NP1:Strike=164 Dip=43 Slip= 72
NP2: 8 50 106

13 19 08 20.56 14.227S 167.315E 206km
5.7mb (45 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=350 Dip=60 Slip= 90
NP2: 170 30 90
Principal Axes:
T P1g=75 Azm=260
P 15 80
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 186 No. of sto: 3
Principal Axes:
Scale 10**24 d-cm
T Val= 4.03 P1g=85 Azm=257
N 0.00 0 166
P -4.03 5 76
Best Double Couple:Mo=4.0*10**24
NP1:Strike=166 Dip=40 Slip= 90
NP2: 346 50 90
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 25C
Centroid Location:
Origin Time 19:08:26.0 0.3
Lat 14.39S 0.03 Lon 166.95E 0.03
Dep 206.6 1.3 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 3.73 P1g=78 Azm=238
N 0.15 2 338
P -3.88 12 68
Best Double Couple:Mo=3.8*10**24
NP1:Strike=161 Dip=34 Slip= 94
NP2: 336 57 88

14 04 00 54.13 13.464S 167.097E 216km
5.1mb (16 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 04:00:55.4 1.4
Lat 13.91S 0.12 Lon 166.99E 0.11
Dep 184.5 3.1 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 5.41 P1g=78 Azm=357

N 2.35 12 189
P -7.76 2 99
Best Double Couple:Mo=6.6*10**23
NP1:Strike=176 Dip=44 Slip= 73
NP2: 20 49 106

14 18 01 17.85 20.959S 178.945W 610km
5.4mb (45 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 18:01:25.8 0.5
Lat 20.85S 0.06 Lon 179.14W 0.05
Dep 637.4 3.2 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.48 P1g=34 Azm=118
N -0.52 20 221
P -1.96 50 336
Best Double Couple:Mo=2.2*10**24
NP1:Strike=156 Dip=22 Slip=156
NP2: 44 82 -70

15 19 56 35.90 4.412N 62.704E 10km
5.2mb (35 obs.) 4.6Msz (3 obs.)
CARLSBERG RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 26C
Centroid Location:
Origin Time 19:56:41.0 1.1
Lat 4.64N 0.14 Lon 62.87E 0.05
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 11.33 P1g= 5 Azm=220
N -0.55 17 312
P -10.78 72 116
Best Double Couple:Mo=1.1*10**24
NP1:Strike=292 Dip=43 Slip=-116
NP2: 146 52 -68

15 21 37 48.61 14.774N 91.414W 136km
5.3mb (77 obs.)
GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 21:37:48.8 0.3
Lat 14.37N 0.04 Lon 91.75W 0.03
Dep 107.4 1.9 Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 7.16 P1g=43 Azm= 57
N -0.70 34 289
P -6.45 29 178
Best Double Couple:Mo=6.8*10**24
NP1:Strike=216 Dip=35 Slip= 14
NP2: 115 82 124

16 09 09 25.54 12.348S 167.189E 285km
5.0mb (26 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 15C
Centroid Location:
Origin Time 09:09:30.6 1.2
Lat 13.04S 0.16 Lon 166.90E 0.14
Dep 255.5 5.2 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 5.97 P1g=62 Azm=132
N 0.92 26 339
P -6.90 11 243
Best Double Couple:Mo=6.4*10**23
NP1:Strike=305 Dip=40 Slip= 48
NP2: 174 61 120

19 10 54 46.21 48.579N 153.415E 115km
5.3mb (70 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 10:54:51.6 0.7
Lat 48.43N 0.06 Lon 153.17E 0.12
Dep 119.2 3.9 Half-duration 1.6
Principal Axes:

Scale 10**23 D-CM
T Val= 8.03 P1g=38 Azm=114
N -1.06 19 220
P -6.97 45 331
Best Double Couple:Mo=7.5*10**23
NP1:Strike=142 Dip=20 Slip=-169
NP2: 41 86 -71

19 11 40 27.55 18.945N 121.304E 77km
5.6mb (74 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 34C
Centroid Location:
Origin Time 11:40:26.7 0.2
Lat 19.00N 0.02 Lon 121.29E 0.03
Dep 36.3 1.6 Half-duration 3.8
Principal Axes:
Scale 10**25 D-CM
T Val= 1.33 P1g=69 Azm=113
N 0.00 4 213
P -1.34 20 305
Best Double Couple:Mo=1.3*10**25
NP1:Strike= 41 Dip=25 Slip= 99
NP2: 212 65 86

19 17 34 24.77 25.136N 91.184E 18km
5.3mb (52 obs.) 4.9Msz (3 obs.)
INDIA-BANGLADESH BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 17:34:30.3 0.4
Lat 24.89N 0.06 Lon 91.18E 0.08
Dep 18.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Val= 11.09 P1g=27 Azm=302
N -0.59 50 70
P -10.50 27 197
Best Double Couple:Mo=1.1*10**24
NP1:Strike=340 Dip=50 Slip= 180
NP2: 70 90 40

20 09 16 02.55 21.122S 70.116W 33km
5.7mb (36 obs.) 5.0Msz (11 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 40C
Centroid Location:
Origin Time 09:16:12.9 0.2
Lat 20.96S 0.03 Lon 71.06W 0.04
Dep 92.0 2.0 Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 7.24 P1g=15 Azm= 80
N -2.66 12 174
P -4.58 71 301
Best Double Couple:Mo=5.9*10**24
NP1:Strike=154 Dip=32 Slip=-113
NP2: 0 61 -77

20 12 16 41.74 22.060S 179.560W 602km
5.7mb (52 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 12:16:47.5 0.4
Lat 22.01S 0.04 Lon 179.60W 0.04
Dep 607.0 2.0 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 4.60 P1g=45 Azm=109
N 0.44 12 212
P -5.03 42 313
Best Double Couple:Mo=4.8*10**24
NP1:Strike=114 Dip=12 Slip= 172
NP2: 212 88 78

20 16 06 34.91 23.495S 179.708W 548km
5.2mb (24 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 16:06:43.1 1.6
Lat 23.18S 0.25 Lon 179.86E 0.18

Dep 552.1 9.4 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.62 Plg=19 Azm= 62
N 0.40 27 162
P -6.02 56 301
Best Double Couple:Mo=5.8*10**23
NP1:Strike=116 Dip=35 Slip=-142
NP2: 353 69 -61

21 05 39 55.95 43.321N 25.968E 21km
4.8mb (25 obs.) 5.5Msz (1 obs.)
BULGARIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 05:39:56.6 0.6
Lat 42.92N 0.08 Lon 25.97E 0.10
Dep 25.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Val= 1.52 Plg= 9 Azm=203
N -0.07 65 314
P -1.45 23 109
Best Double Couple:Mo=1.5*10**24
NP1:Strike=248 Dip=67 Slip=-170
NP2: 154 81 -24

23 18 28 52.16 14.449S 166.722E 33km
5.4mb (33 obs.) 5.0Msz (7 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 18:28:56.7 0.5
Lat 14.54S 0.04 Lon 166.40E 0.04
Dep 48.9 2.6 Half-duration 1.9
Principal Axes:
Scale 10**24 D-CM
T Val= 1.54 Plg=78 Azm= 3
N 0.50 12 189
P -2.04 1 98
Best Double Couple:Mo=1.8*10**24
NP1:Strike=176 Dip=45 Slip= 73
NP2: 20 47 107

24 00 19 41.70 16.882S 174.318E 11km
5.7mb (42 obs.) 5.7Msz (5 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 00:19:49.7 0.4
Lat 16.68S 0.03 Lon 174.35E 0.03
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**24 D-CM
T Val= 9.59 Plg=19 Azm=139
N -1.20 42 31
P -8.39 42 248
Best Double Couple:Mo=9.0*10**24
NP1:Strike=274 Dip=45 Slip=-20
NP2: 18 76 -134

24 02 31 26.76 1.729N 127.354E 118km
5.4mb (29 obs.)
MALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 18C
Centroid Location:
Origin Time 02:31:30.4 0.9
Lat 1.94N 0.08 Lon 127.30E 0.14
Dep 106.9 9.3 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 9.59 Plg=51 Azm=138
N 2.24 9 36
P -11.83 37 299
Best Double Couple:Mo=1.1*10**24
NP1:Strike=344 Dip=12 Slip= 37
NP2: 217 83 99

24 19 07 41.15 46.456N 27.448W 10km
4.7mb (46 obs.) 5.2Msz (4 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 19:07:45.0 0.6
Lat 46.29N FIX;Lon 27.47W FIX
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**24 D-CM
T Val= 1.05 Plg= 6 Azm=271
N -0.34 28 4
P -0.70 61 170
Best Double Couple:Mo=.9*10**24
NP1:Strike=333 Dip=46 Slip=-131
NP2: 204 57 -56

24 19 41 46.36 8.934S 156.795E 10km
5.7mb (36 obs.) 6.0Msz (18 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=308 Dip=81 Slip=-156
NP2: 214 66 -10
Principal Axes:
T Plg=10 Azm= 79
P 23 173
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.
MOMENT TENSOR SOLUTION
Dep 24 No. of sta: 5
Principal Axes:
Scale 10**25 d-cm
T Val= 1.97 Plg= 6 Azm=127
N -0.01 80 360
P -1.97 8 217
Best Double Couple:Mo=2.0*10**25
NP1:Strike=262 Dip=80 Slip= -1
NP2: 352 89 -170
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 43C
Centroid Location:
Origin Time 19:41:50.5 0.3
Lat 9.17S 0.03 Lon 157.08E 0.02
Dep 18.9 2.7 Half-duration 4.7
Principal Axes:
Scale 10**25 D-CM
T Val= 2.12 Plg= 3 Azm=115
N 0.13 84 354
P -2.25 5 206
Best Double Couple:Mo=2.2*10**25
NP1:Strike=251 Dip=84 Slip= -1
NP2: 341 89 -174

25 21 50 04.45 57.093S 141.964W 10km
5.1mb (7 obs.) 4.9Msz (2 obs.)
SOUTH PACIFIC CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 21:50:13.3 0.3
Lat 56.97S 0.04 Lon 141.79W 0.05

Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Val= 2.13 Plg= 0 Azm=161
N 0.11 90 180
P -2.23 0 71
Best Double Couple:Mo=2.2*10**24
NP1:Strike=206 Dip=90 Slip= 180
NP2: 296 90 0

26 11 05 03.66 1.888S 134.207E 33km
5.4mb (19 obs.) 4.9Msz (2 obs.)
WEST IRIAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 11:05: 0.7 1.1
Lat 1.84S 0.11 Lon 134.56E 0.11
Dep 17.912.8 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 7.04 Plg= 2 Azm=107
N 0.53 88 287
P -7.57 0 17
Best Double Couple:Mo=7.3*10**23
NP1:Strike=152 Dip=89 Slip= 179
NP2: 242 89 1

27 06 23 13.74 24.022N 122.249E 45km
5.8mb (67 obs.) 5.5Msz (5 obs.)
TAIWAN REGION
MOMENT TENSOR SOLUTION
Dep 23 No. of sta: 10
Principal Axes:
Scale 10**24 d-cm
T Val= 4.63 Plg=68 Azm= 13
N 0.11 5 270
P -4.73 21 178
Best Double Couple:Mo=4.7*10**24
NP1:Strike=259 Dip=24 Slip= 78
NP2: 93 66 95
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 06:23:14.3 0.2
Lat 23.74N 0.03 Lon 122.21E 0.04
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**24 D-CM
T Val= 5.93 Plg=57 Azm=326
N -0.51 9 71
P -5.42 31 167
Best Double Couple:Mo=5.7*10**24
NP1:Strike=285 Dip=16 Slip= 125
NP2: 69 77 80

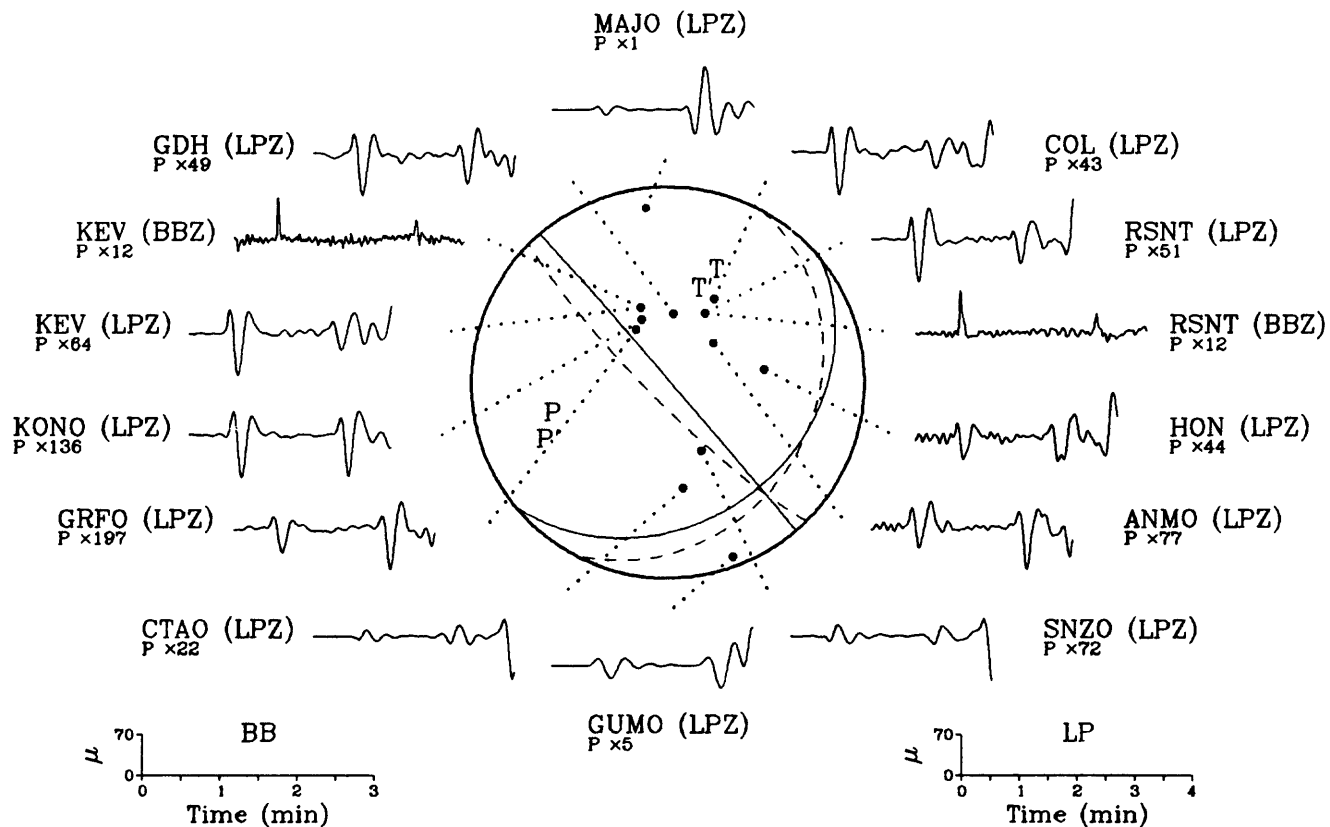
28 22 47 33.90 23.573N 142.266E 33km
5.1mb (26 obs.) 4.1Msz (1 obs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 18C
Centroid Location:
Origin Time 22:47:43.5 1.0
Lat 23.93N 0.10 Lon 142.32E 0.13
Dep 87.7 8.5 Half-duration 1.4
Principal Axes:
Scale 10**23 D-CM
T Val= 5.86 Plg=23 Azm=148
N -0.97 59 285
P -4.89 19 50
Best Double Couple:Mo=5.4*10**23
NP1:Strike=188 Dip=60 Slip= 177
NP2: 280 87 30

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

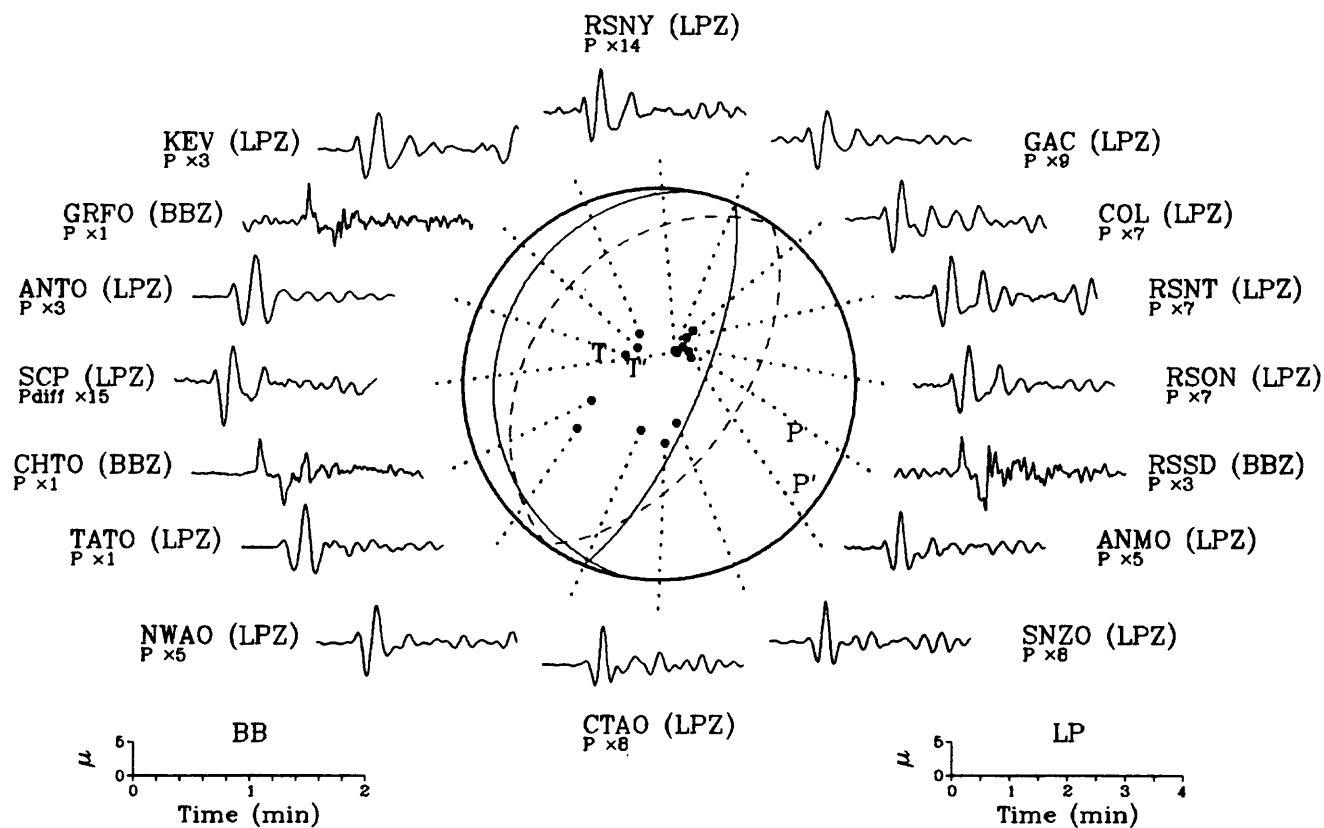
Correction to Monthly Listing for July, 1985

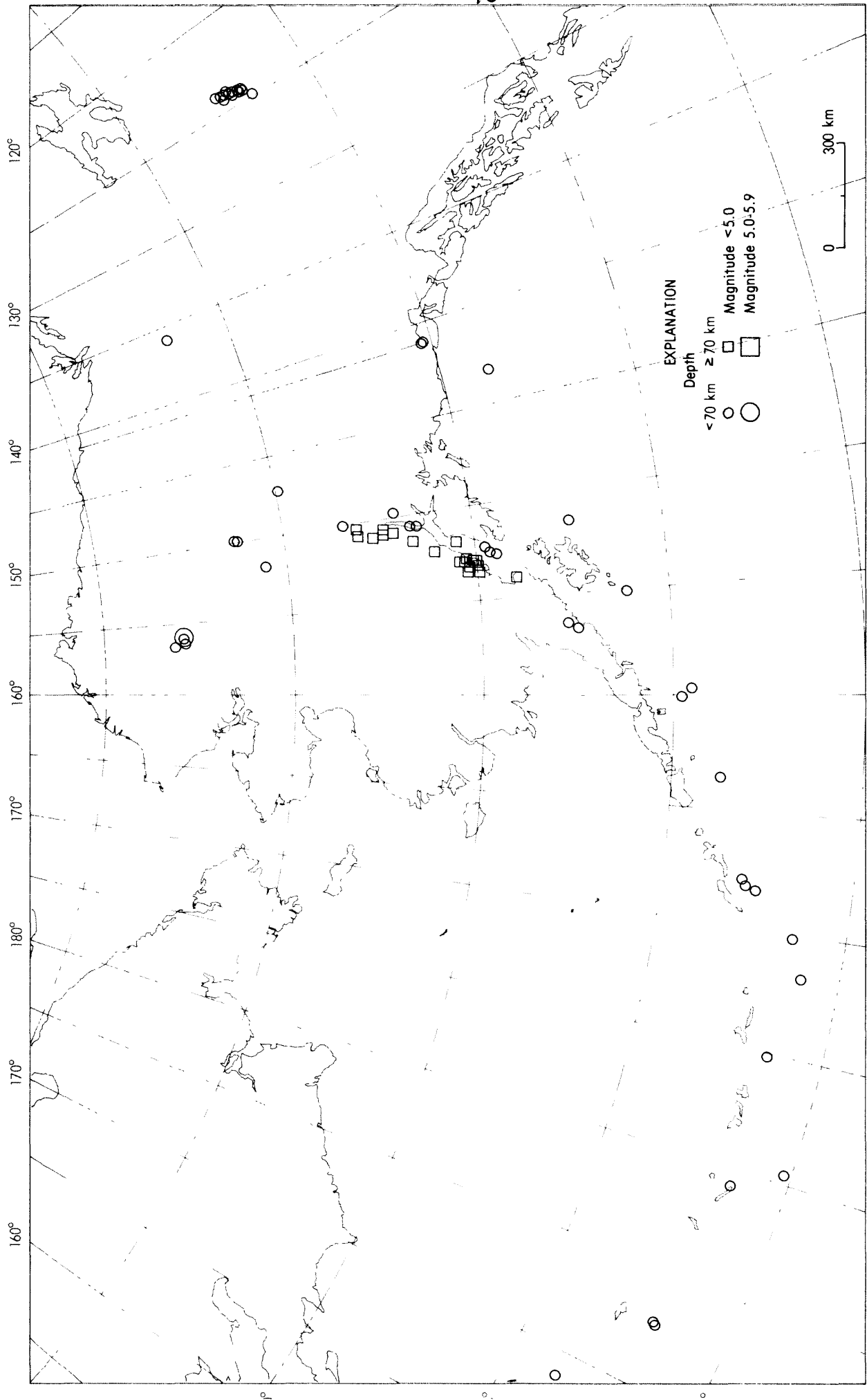
Delete MB magnitude for Southern California event on July 16 at 17:57:50.9 UTC.

03 February 1986 20:47:35.34
Bonin Islands Region

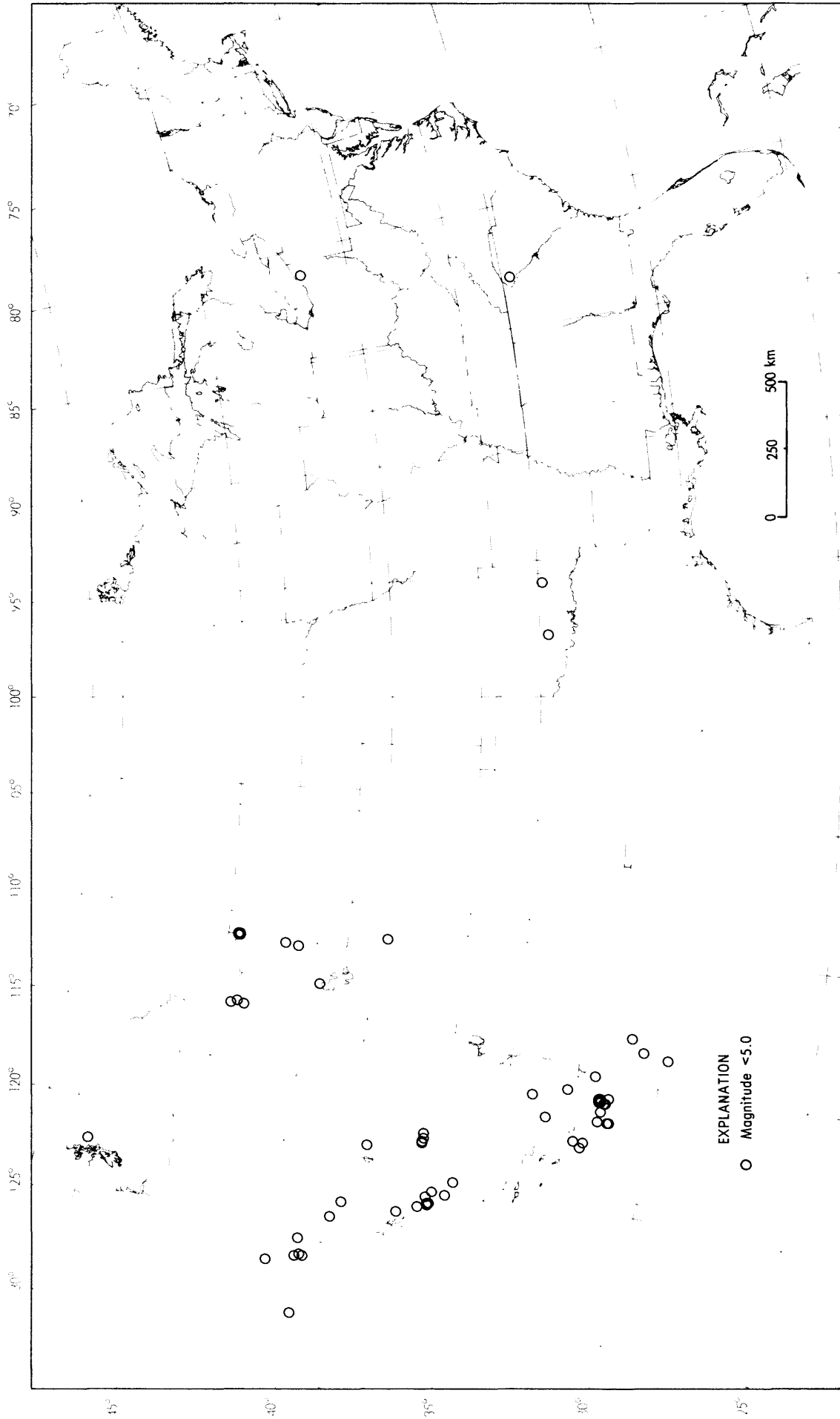


12 February 1986 02:59:30.42
Near East Coast of Honshu, Japan

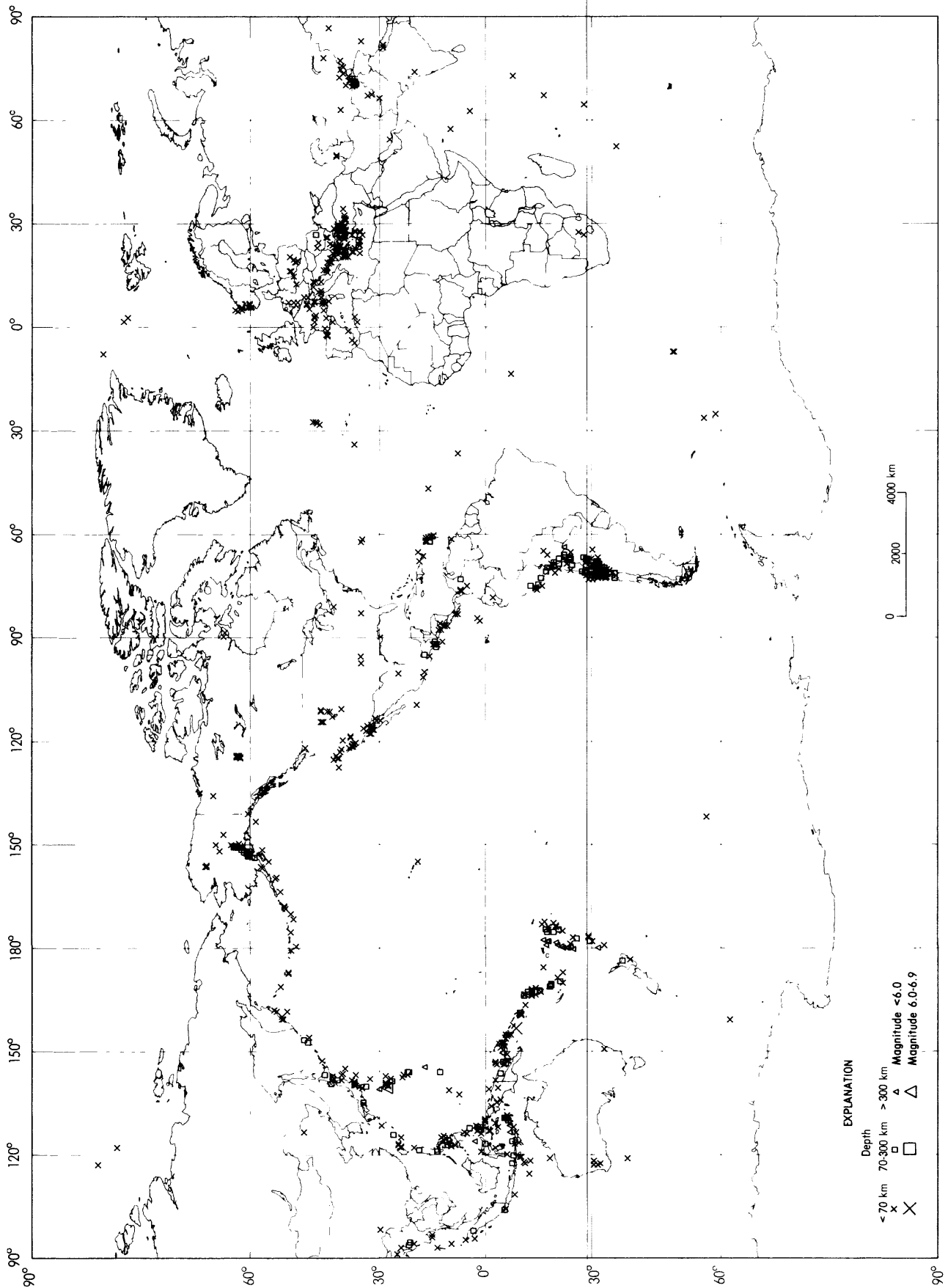




Earthquake epicenters in Alaska and adjacent regions for February, 1986 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for February, 1986 (C. Stover).



Earthquakes located in February, 1986 (C. Stover).



PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

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

MARCH 1986

K DAY E Y	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT LONG	DEPTH	MAGNITUDES GS MB Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
01	00 11 56.9*	24.625 S 116.058 W	10 G	4.8 4.6	1.3	21	EASTER ISLAND CORDILLERA
01	00 21 15.9	36.199 N 69.859 E	138 D	4.7	1.2	30	HINDU KUSH REGION
01	00 44 26.6*	35.752 N 22.133 E	10 G	4.2	1.3	13	MEDITERRANEAN SEA. ML 3.8 (ATH).
01	01 06 21.6*	29.882 S 71.533 W	33 N		1.2	18	NEAR COAST OF CENTRAL CHILE
01	01 19 56.5	28.090 N 140.668 E	33 N	4.4 4.6	1.1	20	BONIN ISLANDS REGION
01	01 53 14.6	17.859 S 178.704 W	590 *	4.7	0.7	47	FIJI ISLANDS REGION
01	03 08 50.67	39.10 N 29.53 E	10 G		1.4	5	TURKEY
01	05 22 22.6*	7.093 S 130.568 E	33 N		1.4	10	TANIMBAR ISLANDS REGION
01	06 39 13.4	44.996 N 146.488 E	150 D	4.7	1.0	56	KURIL ISLANDS
01	08 21 10.67	51.66 N 16.24 E	13		0.6	9	POLAND. ML 3.3 (VKA), 3.3 (KBA).
01	08 38 40.57	17.68 N 62.85 W	10 G		0.3	10	LEEWARD ISLANDS. ML 4.0 (FDF).
01	08 47 42.0*	62.687 S 155.111 E	10 G	4.9 5.1	1.4	19	BALLENY ISLANDS REGION
01	08 58 20.5*	58.819 N 153.176 W	96			26	KODIAK ISLAND REGION. <AGS-P>.
01	09 15 09.6*	34.099 S 72.072 W	33 N		0.8	10	NEAR COAST OF CENTRAL CHILE
01	12 23 22.0	8.699 S 71.257 W	620 *	4.4	0.6	23	WESTERN BRAZIL
01	14 25 48.27	51.53 N 16.09 E	10 G		0.7	9	POLAND. ML 3.5 (VKA), 3.4 (KBA).
01	15 09 44.3	34.682 N 82.968 E	33 N	5.0	1.0	41	TIBET
01	16 41 40.6	6.300 S 130.949 E	80	5.6	1.1	108	BANDA SEA
01	19 29 14.6%	16.940 N 61.841 W	10 G		1.3	5	LEEWARD ISLANDS
01	20 15 28.17	15.77 S 33.31 E	33 N		1.5	6	MOZAMBIQUE. MG 2.9 (BUL).
01	20 19 59.5*	40.438 N 140.373 E	22 *	4.5	1.0	9	HONSHU, JAPAN
01	20 34 00.4	40.541 N 140.209 E	31	4.7	1.3	33	HONSHU, JAPAN. Felt (I JMA) at Akita.
01	22 01 58.5*	51.597 N 7.201 E	10 G		0.8	9	GERMANY. ML 2.2 (BNS).
01	22 02 53.9*	39.030 N 23.606 E	26 *		1.4	10	AEGEAN SEA. ML 3.2 (ATH).
01	22 22 29.1	42.308 N 19.926 E	10 G	3.5	1.3	25	YUGOSLAVIA. MD 3.5 (TTG).
01	23 18 18.9	39.090 N 25.157 E	10 G		0.7	8	AEGEAN SEA. ML 3.1 (ATH).
02	00 42 40.4	32.523 N 89.327 E	33 N	4.9	1.2	24	TIBET
02	01 50 40.1	45.346 N 150.861 E	33 N	4.9	1.0	20	KURIL ISLANDS
02	01 50 54.47	44.68 N 7.16 E	10 G		0.3	4	NORTHERN ITALY. ML 2.3 (LDG).
02	02 30 44.4*	16.114 N 96.431 W	33 N	3.9	1.2	10	OAXACA, MEXICO
02	03 00 41.6	9.568 N 122.207 E	33 N	4.1	1.4	17	NEGROS, PHILIPPINE ISLANDS
02	03 14 41.8	51.678 N 156.936 E	118 D	5.6	0.8	291	KAMCHATKA. Felt (III) at Petropavlovsk-Kamchatskiy. Felt (IV) at Severo-Kurilsk, Kuril Islands.
02	03 32 27.3*	34.973 N 29.310 E	33 N		1.1	9	EASTERN MEDITERRANEAN SEA
02	03 49 07.4*	2.658 N 128.148 E	102 ?	5.0	1.2	15	HALMAHERA
02	03 55 21.3	38.187 N 21.857 E	13	4.1	1.0	27	GREECE. ML 3.5 (ATH).
02	03 58 19.5*	23.728 S 66.035 W	33 N		1.5	5	JUJUY PROVINCE, ARGENTINA
02	04 08 38.9	17.894 S 178.548 W	615 *	4.8	1.2	38	FIJI ISLANDS REGION
02	04 10 20.07	34.42 S 72.06 W	10 G		0.4	11	NEAR COAST OF CENTRAL CHILE
02	04 52 36.4	4.390 S 153.822 E	252	4.7	0.8	28	NEW IRELAND REGION
02	05 39 59.67	43.15 N 18.44 E	10 G		0.6	6	YUGOSLAVIA. ML 2.6 (TTG).
02	05 40 12.1	50.789 N 179.176 E	33 N	5.4 5.3	1.0	253	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.3 (PMR). Ms 5.6 (BRK), 5.4 (PAS).
02	07 09 27.4	38.471 N 142.296 E	39 D	5.6 5.7	1.0	313	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) at Miyako and Morioka; (III JMA) at Sendai, Ofunato and Hachinohe; (II JMA) at Tokyo, Yamagata and Akita; (I JMA) at Choshi and Utsunomiya. Also felt (I JMA) at Hakodate, Hokkaido.
02	08 16 43.27	17.69 S 169.26 E	33 N		1.6	5	VANUATU ISLANDS
02	08 48 19.2	11.518 N 143.265 E	33 N	4.9	0.8	23	SOUTH OF MARIANA ISLANDS
02	09 01 26.7	61.896 N 124.187 W	10 G	5.0 4.3	1.0	70	NORTHWEST TERRITORIES, CANADA
02	10 08 26.0*	11.450 N 143.342 E	33	4.9	0.4	12	SOUTH OF MARIANA ISLANDS
02	10 39 17.7	40.821 N 27.889 E	10 G		0.6	7	TURKEY
02	10 55 24.9	44.646 N 111.100 W	5 G		0.8	11	HEBGEN LAKE REGION. ML 3.2 (NEIS).
02	11 25 18.67	47.48 N 12.15 E	10 G		1.6	5	AUSTRIA. ML 2.0 (KBA).
02	11 44 24.8*	5.886 S 145.193 E	156 ?	3.8	1.2	6	EAST PAPUA NEW GUINEA REGION
02	12 20 46.2*	23.983 N 108.869 W	10 G	4.5	1.3	17	GULF OF CALIFORNIA
02	12 21 26.6*	5.111 S 150.131 E	311	4.5	0.9	17	NEW BRITAIN REGION

02	12	28	42.0*	31.623	S	67.726	W	10	G	0.7	5	SAN JUAN PROVINCE, ARGENTINA
02	12	57	03.5	61.860	N	124.495	W	10	G	4.3	1.1	11 NORTHWEST TERRITORIES, CANADA
02	12	58	48.4?	40.83	N	27.92	E	10	G		0.6	4 TURKEY
02	12	59	36.1	44.650	N	111.035	W	5	G		0.6	7 HEBGEN LAKE REGION. ML 3.0 (NEIS).
02	13	05	28.6*	39.696	N	82.620	E	10	G	4.2	1.0	14 SOUTHERN XINJIANG, CHINA
02	13	23	59.8%	40.847	N	28.014	E	5	G		1.6	5 TURKEY
02	14	28	46.5%	59.817	N	147.855	W	34				21 GULF OF ALASKA. <AGS-P>.
02	15	54	47.8	5.310	S	152.235	E	61		4.5	1.3	29 NEW BRITAIN REGION
02	16	07	29.0	45.372	N	150.965	E	33	N	5.1	4.2	0.7 73 KURIL ISLANDS
02	16	52	58.4*	18.277	S	168.648	E	33	N	4.0	1.0	22 VANUATU ISLANDS
02	17	01	29.6?	21.68	S	178.76	W	443	?	4.8	1.5	17 FIJI ISLANDS REGION
02	18	02	25.5*	36.323	N	26.936	E	117	?		0.7	8 DODECANESE ISLANDS
02	19	23	18.3%	61.556	N	149.982	W	47				38 SOUTHERN ALASKA. <AGS-P>.
02	19	41	23.5*	31.701	S	69.728	W	142	?		0.7	10 SAN JUAN PROVINCE, ARGENTINA
02	20	06	50.4*	45.165	N	14.638	E	5	G		1.4	31 YUGOSLAVIA. ML 3.8 (KBA), 3.2 (TRI), 3.2 (VKA). Felt (V) in the Rijeka area.
02	20	37	50.6*	10.600	S	74.415	W	33	N		0.9	6 PERU
02	20	42	25.8	51.348	N	176.715	W	33	N	5.1	4.4	1.3 116 ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR). Felt an Adak.
02	23	03	01.0%	35.910	N	118.350	W	6	G			11 CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
02	23	16	00.7*	38.094	N	21.791	E	10	G		1.1	5 GREECE. ML 3.2 (ATH).
02	23	27	14.3?	23.10	S	114.81	W	10	G	4.1	1.4	13 EASTER ISLAND REGION
02	23	33	24.4%	31.879	N	115.783	W	8	G			4 BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
03	00	14	20.0?	29.89	N	7.22	W	10	G		1.1	6 MOROCCO
a 03	01	24	05.4	41.967	N	20.292	E	19		5.0	5.0	1.2 196 ALBANIA. ML 5.0 (ATH), 4.6 (TTG). Damage (VI) in the Kukes area; felt at Peshkopia and Tirana. Felt (V) at Debar, Gostivar and Tetovo; (IV) at Skopje, Yugoslavia.
03	04	01	41.8	43.187	N	18.443	E	5	G		1.0	11 YUGOSLAVIA. ML 2.7 (TTG).
03	04	09	27.2?	19.45	S	178.13	W	622	*	4.5	0.7	14 FIJI ISLANDS REGION
03	04	25	53.2	41.947	N	20.289	E	16		4.5	1.2	116 ALBANIA. ML 4.7 (ATH). Damage (VI) in the Kukes area. Felt (IV) in the Tetovo area, Yugoslavia.
03	06	06	02.7%	60.752	N	151.743	W	77				29 KENAI PENINSULA, ALASKA. <AGS-P>.
03	06	12	39.7	43.117	N	0.196	W	10	G		0.7	13 PYRENEES. ML 3.3 (LDG).
03	06	59	30.9	41.888	N	20.404	E	10	G		1.0	6 ALBANIA. ML 2.7 (TTG).
03	07	26	06.2	43.704	N	31.402	E	45		4.4	1.1	60 BLACK SEA
03	07	34	48.5*	62.458	N	152.469	W	10	G		1.6	7 CENTRAL ALASKA. ML 2.7 (PMR).
03	08	35	26.9%	40.644	N	29.100	E	10	G		0.5	8 TURKEY
03	08	49	29.3%	57.348	N	151.240	W	37				15 KODIAK ISLAND REGION. <AGS-P>.
03	09	32	27.3	41.922	N	20.391	E	10	G		0.6	8 ALBANIA. ML 2.6 (TTG).
03	09	46	51.0*	16.079	N	96.210	W	44		4.6	0.9	37 OAXACA, MEXICO
03	10	35	05.3?	40.08	N	27.39	E	14	?		0.3	5 TURKEY
03	11	05	59.9?	34.14	S	177.31	W	33	N	4.8	0.7	7 SOUTH OF KERMADEC ISLANDS
03	11	31	05.7*	18.897	S	69.762	W	114	*	4.6	1.2	13 NORTHERN CHILE
03	11	45	17.4	35.308	N	102.514	W	5	G		1.2	10 TEXAS PANHANDLE REGION. mblg 3.1 (TUL).
03	11	45	59.8	41.890	N	20.384	E	10	G		0.9	10 ALBANIA. ML 2.8 (TTG).
03	12	35	49.5	41.925	N	20.265	E	7		4.3	1.2	87 ALBANIA. ML 4.1 (TTG), 3.8 (SKO). Felt (IV) at Tetovo; (III) at Skopje; (I) at Gostivar, Yugoslavia.
03	13	18	20.3%	33.750	N	117.520	W	6	G			13 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt (IV) at Corona and Silverado, (III) at Canyon Lake, El Taro and Riverside. Also felt at Colton.
03	14	45	20.0%	36.835	N	121.268	W	6				16 CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Felt in the Hollister area.
03	14	51	13.8*	12.002	N	125.754	E	54	*	5.0	3.6	1.3 35 SAMAR, PHILIPPINE ISLANDS
03	14	58	32.7	44.347	N	17.804	E	10	G		1.1	13 YUGOSLAVIA. ML 3.5 (TRI), 3.1 (KBA).
03	17	56	18.5%	40.613	N	127.210	W	5	G			17 OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK).
03	17	56	24.1%	40.390	N	127.348	W	5	G			14 OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK).
03	19	22	48.5?	12.45	N	88.46	W	33	N	4.7	1.0	8 OFF COAST OF CENTRAL AMERICA
03	19	32	40.8%	60.434	N	153.119	W	136				22 SOUTHERN ALASKA. <AGS-P>.
03	21	12	41.5*	40.774	N	33.515	E	10	G		0.5	6 TURKEY
03	21	22	25.8	41.918	N	20.396	E	10	G		0.9	8 ALBANIA
03	21	26	19.2%	38.639	N	27.803	E	10	G		1.4	6 TURKEY
04	00	24	38.2	37.665	N	73.837	E	5	G	4.8	1.1	16 TAJIK SSR. Felt (IV) at Murgab.
04	01	25	52.4*	24.103	S	66.948	W	211	*		0.2	6 SALTA PROVINCE, ARGENTINA
04	02	31	33.9?	17.94	N	103.72	W	33	N	4.0	0.4	5 NEAR COAST OF MICHOACAN, MEXICO
04	02	41	57.0*	17.486	S	167.777	E	33	N	4.5	4.2	1.0 26 VANUATU ISLANDS
04	03	37	17.4*	7.272	N	94.344	E	33	N	4.3	1.1	12 NICOBAR ISLANDS REGION
04	03	50	23.0*	26.848	S	177.065	W	33	N	4.6	1.1	13 SOUTH OF FIJI ISLANDS
04	05	09	05.3*	6.871	N	76.384	W	33	N		0.7	6 NORTHERN COLOMBIA
04	05	54	22.2	43.014	N	18.700	E	10	G		0.6	9 YUGOSLAVIA. ML 2.7 (TTG).
04	06	29	26.2*	22.113	S	67.203	W	209	*		1.5	11 CHILE-BOLIVIA BORDER REGION
04	06	30	08.3*	3.129	N	128.013	E	33	N	4.8	1.2	13 NORTH OF HALMAHERA
04	06	32	50.9*	5.220	N	75.591	W	33	N		1.4	8 COLOMBIA. Felt at Manizales.
04	07	27	24.2	11.827	N	85.818	W	187		4.5	1.2	114 NICARAGUA
04	08	29	43.6*	51.252	N	178.524	E	33	N	4.5	1.3	31 RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.1 (PMR).
o 04	08	47	14.6	51.553	N	166.943	W	33	N	5.6	4.6	1.1 229 ALEUTIAN ISLANDS REGION. ML 5.6 (PMR). Ms 5.2 (BRK).
04	08	50	33.8*	51.817	N	166.952	W	33	N	4.8	1.4	12 ALEUTIAN ISLANDS REGION
04	08	56	58.3*	37.176	S	176.295	E	270	*	4.2	1.1	18 NORTH ISLAND, NEW ZEALAND
04	09	04	45.7*	5.535	S	145.909	E	45	*	4.6	3.7	1.2 13 EAST PAPUA NEW GUINEA REGION
04	09	12	26.5%	60.832	N	152.378	W	100				37 SOUTHERN ALASKA. <AGS-P>.
04	10	30	25.3	51.649	N	166.883	W	33	N	4.9	1.1	79 ALEUTIAN ISLANDS REGION. ML 5.1 (PMR).
04	10	55	22.4*	5.357	S	151.505	E	88	*	4.2	1.0	12 NEW BRITAIN REGION
04	11	34	58.7*	13.195	N	90.928	W	33	N	3.9	1.4	24 NEAR COAST OF GUATEMALA
04	12	01	01.6?	34.31	S	177.01	W	33	N	5.1	0.9	14 SOUTH OF KERMADEC ISLANDS
04	12	03	30.1%	28.131	S	67.592	W	142	?		0.5	8 LA RIOJA PROVINCE, ARGENTINA
04	12	52	44.0%	59.954	N	153.356	W	131				26 SOUTHERN ALASKA. <AGS-P>.
04	14	10	01.5*	10.379	N	84.529	W	133	*		1.2	17 COSTA RICA
04	14	14	30.3?	6.46	S	149.57	E	73	?		0.4	5 NEW BRITAIN REGION
04	15	08	59.7	6.513	S	146.801	E	109		5.0	1.1	29 EAST PAPUA NEW GUINEA REGION
04	15	26	47.3?	37.21	N	27.84	E	10	G		1.4	5 TURKEY
04	15	35	33.0%	59.597	N	152.787	W	99				28 SOUTHERN ALASKA. <AGS-P>.
04	15	36	12.6?	32.12	S	71.74	W	33	N		0.9	6 NEAR COAST OF CENTRAL CHILE
04	17	34	40.8	45.669	N	26.388	E	168		3.8	0.8	22 ROMANIA
04	17	46	40.2	35.932	N	120.715	W	5	G		1.1	10 CENTRAL CALIFORNIA. ML 2.5 (BRK).

04	18 26 29.47	0.01 N	123.29 E	250 ?	4.1	0.9	10	MINAHASSA PENINSULA
04	19 09 41.8	42.322 N	19.845 E	10 G		0.9	9	YUGOSLAVIA. ML 2.6 (TTG).
04	19 36 50.4*	11.406 N	93.128 E	33 N		0.8	8	ANDAMAN ISLANDS REGION
04	19 54 52.6	36.790 N	121.274 W	10 G		0.7	12	CENTRAL CALIFORNIA. ML 2.5 (BRK).
04	20 02 35.0&	40.752 N	110.567 W	0			8	UTAH. <SLC-P>. ML 2.9 (SLC).
04	21 47 52.7%	46.188 N	8.081 E	10 G		1.0	8	SWITZERLAND
04	22 28 39.5*	6.139 S	69.476 E	10 G	4.6 4.0	0.9	22	CHAGOS ARCHIPELAGO REGION
05	00 56 43.9	47.747 N	7.441 E	10 G		0.8	11	SWITZERLAND. ML 2.2 (LDG).
05	01 05 04.1&	58.702 N	149.988 W	22			38	GULF OF ALASKA. <AGS-P>. ML 3.4 (PMR).
05	01 07 57.67	47.39 N	152.45 E	33 N	4.8	0.5	10	KURIL ISLANDS
05	01 44 31.7	42.366 N	18.917 E	5 G		1.1	13	YUGOSLAVIA. ML 2.9 (TTG).
05	01 56 34.97	7.14 S	147.86 E	5 G	3.4	1.4	5	EAST PAPUA NEW GUINEA REGION
05	02 02 45.5	42.356 N	18.928 E	10 G		0.1	6	YUGOSLAVIA. MD 2.2 (TTG).
05	02 02 55.3	49.068 N	6.716 E	10 G		0.8	7	GERMANY
05	02 03 14.0*	42.320 N	18.932 E	10 G		0.7	5	YUGOSLAVIA. ML 2.4 (TTG).
05	02 15 09.5	22.504 S	66.150 W	257	4.6	1.3	27	JUJUY PROVINCE, ARGENTINA
05	02 20 06.5*	38.774 N	20.776 E	5 G		1.0	7	GREECE. ML 3.9 (ATH).
05	02 33 35.5%	46.481 N	8.589 E	10 G		1.1	7	SWITZERLAND
05	05 29 08.9*	28.170 N	140.714 E	33 N		1.0	7	BONIN ISLANDS REGION
05	06 02 48.1	34.771 N	88.272 E	33 N	4.4	1.1	15	TIBET
05	06 34 49.6*	29.113 S	70.206 W	33 N		0.8	8	CENTRAL CHILE
05	07 53 14.4	46.741 N	2.887 E	10 G		0.4	9	FRANCE. ML 2.2 (LDG).
o 05	08 25 08.7	26.565 S	178.285 E	613	5.3	1.0	161	SOUTH OF FIJI ISLANDS
05	10 14 45.8	33.042 S	70.249 W	112 ?		0.5	13	CHILE-ARGENTINA BORDER REGION
05	11 21 04.8*	35.490 S	53.960 E	10 G	4.8	1.4	19	ATLANTIC-INDIAN RISE
05	11 53 06.67	37.58 N	70.51 E	33 N	4.3	0.3	5	AFGHANISTAN-USSR BORDER REGION
05	12 36 34.9*	16.293 N	97.389 W	10 G	4.2	0.7	5	OAXACA, MEXICO
05	13 49 35.1	40.821 N	27.917 E	5 G		1.2	9	TURKEY
05	14 26 41.9	2.797 S	139.131 E	33 N	4.8 3.7	1.0	33	NEAR N. COAST OF WEST IRIAN
05	14 32 48.8	44.533 N	9.781 E	11		1.2	25	NORTHERN ITALY. ML 3.2 (LDG), 3.0 (KBA).
o 05	15 47 06.8	18.813 S	169.605 E	287 D	5.6	1.0	314	VANUATU ISLANDS
05	15 57 58.2	42.361 N	18.914 E	10 G		1.3	11	YUGOSLAVIA. ML 2.5 (TTG).
05	18 42 04.0&	61.929 N	151.203 W	79			42	SOUTHERN ALASKA. <AGS-P>.
05	18 46 16.3&	61.139 N	152.084 W	97			32	SOUTHERN ALASKA. <AGS-P>.
05	19 00 07.5*	28.216 N	140.757 E	33 N	4.9	1.3	13	BONIN ISLANDS REGION
05	19 58 56.3	8.024 S	130.326 E	33 N	4.9	1.5	25	TANIMBAR ISLANDS REGION
05	20 53 46.6*	8.304 S	130.526 E	33 N	4.6	1.4	12	TANIMBAR ISLANDS REGION
05	21 10 34.8&	59.922 N	152.837 W	87			29	SOUTHERN ALASKA. <AGS-P>.
05	21 51 17.2	46.732 N	2.883 E	10 G		0.4	11	FRANCE. ML 2.7 (LDG).
05	22 57 55.9*	34.281 S	178.871 W	42 D	5.2	1.1	25	SOUTH OF KERMADEC ISLANDS
05	23 35 23.77	29.75 S	71.96 W	33 N		1.4	8	NEAR COAST OF CENTRAL CHILE
05	23 52 10.7*	21.903 N	102.972 E	33 N	4.4	1.3	10	SOUTHEAST ASIA
f 06	00 05 38.3	40.368 N	51.555 E	33 N	6.2 6.3	1.1	346	CASPIAN SEA. Ms 6.6 (BRK). Minor damage at Baku. Felt (VI) at Krasnovodsk; (IV) at Sumgait, Lenkoran and Kirovobod; (III) at Mokhochkolo, USSR.
06	00 43 06.5	40.383 N	51.592 E	33 N	4.7	0.6	49	CASPIAN SEA
06	00 59 27.4%	46.713 N	2.875 E	10 G		0.4	8	FRANCE. ML 2.0 (LDG).
06	01 00 48.5%	46.799 N	2.820 E	10 G		0.4	5	FRANCE. ML 1.8 (LDG).
06	01 39 39.07	6.57 N	82.51 W	10 G		0.5	9	SOUTH OF PANAMA. MD 4.3 (HDC).
06	01 51 53.6*	40.351 N	51.599 E	33 N	4.7	1.0	8	CASPIAN SEA
06	03 39 01.2	56.354 N	153.694 W	33 N	4.3	0.8	32	KODIAK ISLAND REGION. ML 4.4 (PMR).
06	03 41 16.6&	31.703 N	115.949 W	8 G			4	BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
06	03 41 36.3	56.315 N	153.460 W	33 N	5.1 4.8	0.9	113	KODIAK ISLAND REGION. ML 4.7 (PMR).
06	04 02 11.2*	52.080 N	17.198 E	13		0.9	18	POLAND. ML 3.6 (GRF), 3.5 (VKA).
o 06	04 08 18.8	56.286 N	153.524 W	33 N	5.3 5.0	1.0	145	KODIAK ISLAND REGION. ML 5.1 (PMR). Ms 5.0 (BRK).
06	04 14 18.3	42.363 N	18.932 E	10 G		0.4	7	YUGOSLAVIA. ML 2.4 (TTG).
06	05 06 22.6	40.359 N	51.692 E	33 N	4.4	0.7	22	CASPIAN SEA
06	08 34 51.0&	47.000 N	66.600 W	5 G			5	NEW BRUNSWICK. <OTT-P>. mbLg 3.5 (OTT). Felt in the Bathurst area.
06	08 36 57.4	40.412 N	51.443 E	33 N	4.6	0.7	40	CASPIAN SEA
06	10 16 00.2*	67.455 N	164.299 W	33 N		0.7	6	ALASKA. ML 3.4 (PMR).
06	12 13 49.1*	4.528 S	134.539 E	33 N	4.2	1.5	8	WEST IRIAN REGION
o 06	12 31 24.0	7.000 S	155.781 E	72	5.9	0.8	301	SOLOMON ISLANDS. Ms 5.5 (PAS). Felt (IV) at Ponguna and Arawa.
a 06	12 34 56.0	21.161 S	169.966 E	125 D	5.8	1.0	128	LOYALTY ISLANDS REGION
06	12 52 31.2	40.376 N	51.557 E	33 N	4.8	0.8	32	CASPIAN SEA
06	14 11 22.9	46.138 N	3.313 E	10 G		0.6	10	FRANCE. ML 2.6 (LDG).
06	14 25 46.5*	42.323 N	18.885 E	10 G		0.5	5	YUGOSLAVIA. ML 2.4 (TTG).
06	15 28 05.5	40.332 N	51.751 E	33 N	4.5	0.7	36	CASPIAN SEA
06	17 44 26.2%	42.356 N	18.945 E	10 G		0.2	5	YUGOSLAVIA. MD 2.2 (TTG).
06	18 07 34.7	42.376 N	18.900 E	10 G		1.3	8	YUGOSLAVIA. MD 2.7 (TTG).
06	18 25 35.8	36.011 N	137.428 E	38	4.6	1.2	58	HONSHU, JAPAN. Felt (II JMA) at Iido; (I JMA) at Gifu, Nagoya and Tsu. Also felt at Konazawa and Hamamatsu.
06	19 14 14.4*	56.357 N	153.846 W	33 N	4.5	0.8	5	KODIAK ISLAND REGION. ML 3.3 (PMR).
06	20 13 49.6*	17.816 S	178.679 W	569 *	4.5	1.0	40	FIJI ISLANDS REGION
06	20 16 52.4	37.173 N	117.306 W	5 G		0.7	17	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (BRK), 3.2 (PAS).
06	20 32 21.1	28.282 S	63.232 W	569 *	4.1	0.8	23	SANTIAGO DEL ESTERO PROV., ARG.
06	20 50 02.9&	58.884 N	154.734 W	130		1.5	22	ALASKA PENINSULA. <AGS-P>.
06	21 03 59.17	31.76 S	69.74 W	136 ?		1.1	6	SAN JUAN PROVINCE, ARGENTINA
06	21 15 28.57	36.31 N	70.79 E	218 ?	4.4	0.5	13	HINDU KUSH REGION
06	21 32 52.0*	26.755 N	97.075 E	33 N	4.5	1.3	14	BURMA
06	22 01 58.4*	33.059 S	68.537 W	5 G		1.5	6	MENDOZA PROVINCE, ARGENTINA. Felt (IV) in the Godoy Cruz-Mendoza area.
06	23 03 26.8*	15.289 N	146.564 E	33 N	4.6	0.9	13	MARIANA ISLANDS
06	23 48 06.1*	41.929 N	20.286 E	10 G		1.5	6	ALBANIA
07	00 08 11.1&	61.746 N	151.037 W	69			36	SOUTHERN ALASKA. <AGS-P>.
07	00 45 16.9*	43.043 N	18.007 E	10 G		1.3	9	YUGOSLAVIA. ML 3.1 (KBA), 2.9 (TTG).
07	00 49 17.3*	51.342 N	15.662 E	10 G		1.4	8	POLAND. ML 3.6 (KBA), 3.5 (VKA).
07	02 21 27.9	40.366 N	51.559 E	40	5.0	0.8	116	CASPIAN SEA
o 07	02 46 52.0	4.990 S	151.710 E	116	6.0	1.0	345	NEW BRITAIN REGION. Mb 5.8 (PAS). Felt (III) at Robaul. Also felt (III) at Ponguna, Bougainville.
07	04 02 43.8	15.216 N	60.973 W	114	4.4	0.8	24	LEEWARD ISLANDS. Felt (III) on Martinique.

09	14	32	11.4%	40.090	N	29.376	E	10	G	0.2	5	TURKEY	
09	14	42	50.4*	0.855	N	126.076	E	33	N	4.9	1.0	13	MOLUCCA PASSAGE
09	16	47	51.8	8.073	S	80.111	W	33	N	4.9	1.2	32	OFF COAST OF NORTHERN PERU
09	16	54	34.07	54.24	N	169.41	W	160	?	4.3	1.0	6	FOX ISLANDS, ALEUTIAN ISLANDS
09	17	37	53.5%	15.249	N	61.325	W	5	G		1.1	7	LEEWARD ISLANDS. ML 2.8 (FDF).
09	17	52	17.5*	6.084	S	130.530	E	151	*	3.9	1.3	15	BANDA SEA
09	18	15	08.17	33.41	S	72.24	W	11			0.4	11	OFF COAST OF CENTRAL CHILE
09	18	20	10.1*	33.801	S	71.692	W	12			0.6	16	NEAR COAST OF CENTRAL CHILE
09	18	52	23.2	25.996	S	177.476	W	147		4.4	0.6	23	SOUTH OF FIJI ISLANDS
09	18	56	19.8	33.202	S	71.236	W	23	*		0.6	11	NEAR COAST OF CENTRAL CHILE
09	19	13	48.3*	11.305	N	85.927	W	103	?		0.6	18	NICARAGUA
09	19	32	09.2*	21.302	S	67.631	W	191	*		1.1	10	CHILE-BOLIVIA BORDER REGION
09	19	57	12.5*	7.066	S	154.855	E	33	N	4.4	1.1	12	SOLOMON ISLANDS
09	20	13	48.1	4.694	S	28.871	E	10	G		1.4	9	LAKE TANGANYIKA REGION. MG 3.5 (BUL).
09	20	54	11.8*	22.361	S	179.662	W	524	?	4.9	0.9	25	SOUTH OF FIJI ISLANDS
09	21	36	23.6*	5.296	N	127.096	E	49	?	5.0	1.2	17	PHILIPPINE ISLANDS REGION
09	22	41	42.5%	34.110	N	117.770	W	5				24	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt (IV) at Azusa, Claremont, Glendora, La Verne, Mt. Baldy and Pomona. Felt (III) at Guasti, Ontario and Upland.
09	23	49	15.3%	32.968	N	80.169	W	6				9	SOUTH CAROLINA. <GLD>. MD 2.2 (GLD). Felt (III) at Summerville.
09	23	54	09.8%	15.251	N	61.260	W	10	G		0.1	6	LEEWARD ISLANDS. ML 2.4 (FDF).
10	00	03	48.6%	15.256	N	61.321	W	10	G		0.4	11	LEEWARD ISLANDS. ML 3.0 (FDF). Felt on Dominica.
10	01	22	41.1	42.346	N	18.930	E	10	G		0.7	7	YUGOSLAVIA. ML 2.5 (TTG).
10	02	02	54.47	27.54	N	112.29	W	10	G	4.1	1.1	5	BAJA CALIFORNIA
10	02	11	29.9*	36.532	N	71.265	E	200	?	4.2	0.7	20	AFGHANISTAN-USSR BORDER REGION
10	02	21	03.7*	42.349	N	18.963	E	10	G		0.3	5	YUGOSLAVIA. ML 2.4 (TTG).
10	03	05	39.0*	54.101	N	168.379	W	33	N	4.3	1.5	10	FOX ISLANDS, ALEUTIAN ISLANDS
10	03	08	40.1%	15.269	N	61.284	W	5	G		0.2	6	LEEWARD ISLANDS. ML 2.7 (FDF).
10	03	20	41.3*	62.250	N	124.367	W	10	G		0.6	5	NORTHWEST TERRITORIES, CANADA
10	03	57	00.27	37.39	S	177.58	E	261	?	3.7	0.9	8	OFF E. COAST OF N. ISLAND, N.Z.
10	03	58	57.37	17.08	N	61.23	W	10	G		0.4	5	LEEWARD ISLANDS. ML 2.9 (FDF).
10	04	09	19.1	5.412	N	127.450	E	66	*	5.1	1.1	44	PHILIPPINE ISLANDS REGION
10	05	53	45.5*	35.820	N	68.884	E	33	N	4.6	0.8	10	HINDU KUSH REGION
10	06	25	16.9%	46.897	N	0.907	E	10	G		0.6	6	FRANCE. ML 2.2 (LDG).
10	06	49	49.3*	14.179	N	92.568	W	33		4.4	1.1	23	NEAR COAST OF CHIAPAS, MEXICO
10	08	56	03.7%	60.184	N	153.101	W	145				48	SOUTHERN ALASKA. <AGS-P>.
10	08	59	56.1	51.493	N	6.742	E	10	G		1.1	8	GERMANY. ML 2.1 (BNS).
10	10	48	14.1*	5.362	N	125.418	E	33	N	5.0	1.4	25	MINDANAO, PHILIPPINE ISLANDS
10	11	16	20.27	37.88	N	28.92	E	10	G		0.5	6	TURKEY
10	11	18	18.6%	39.394	N	27.670	E	10	G		0.6	7	TURKEY
10	11	21	11.4%	39.396	N	27.709	E	10	G		1.0	5	TURKEY
10	12	09	03.2	32.685	S	71.930	W	33	N	4.7	0.8	21	NEAR COAST OF CENTRAL CHILE. Felt (IV) at Valparaiso and (II) at Santiago.
10	13	33	34.7*	51.028	N	15.720	E	10	G		1.1	8	POLAND. ML 3.4 (GRF), 3.2 (KBA).
10	13	50	44.9%	60.305	N	5.452	E	10	G		0.5	5	SOUTHERN NORWAY. MD 1.8 (BER).
10	13	57	14.9	10.858	S	66.419	E	10	G	4.9	0.7	24	MID-INDIAN RISE
10	14	50	17.2*	7.399	N	94.377	E	33	N	4.5	1.5	12	NICOBAR ISLANDS REGION
10	15	33	16.2%	34.400	N	119.800	W	18		4.4		46	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS), 4.5 (BRK). Felt (V) at Galeta and Summerland; (IV) at Las Olivos, Santa Barbara, Santa Ynez, Solvang and Ventura; (II) at Oxnard. Also felt at Carpinteria and on offshore oil platforms.
10	16	02	22.8*	21.068	S	69.112	W	33	N		0.5	5	NORTHERN CHILE
10	16	03	55.6	39.831	N	13.587	E	453		4.9	1.0	109	TYRRHENIAN SEA
10	16	51	18.37	31.60	S	70.19	W	33	N		0.6	5	CHILE-ARGENTINA BORDER REGION
10	19	54	35.27	34.34	S	73.40	W	33	N		1.5	7	OFF COAST OF CENTRAL CHILE
10	21	09	08.7*	23.818	S	179.243	E	488	?	4.6	1.0	31	SOUTH OF FIJI ISLANDS
10	21	29	19.7*	20.541	S	67.814	W	202	?		1.0	8	SOUTHERN BOLIVIA
10	22	41	41.97	30.50	S	71.09	W	33	N		0.5	9	NEAR COAST OF CENTRAL CHILE
11	00	05	10.0%	40.313	N	124.377	W	22				12	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.8 (BRK).
11	01	14	47.6*	35.783	N	22.426	E	33	N	4.2	1.2	23	MEDITERRANEAN SEA. ML 4.2 (ATH).
11	04	42	27.1*	6.451	S	129.970	E	124	?	4.9	1.4	12	BANDA SEA
11	04	50	17.57	17.35	S	177.73	W	571	?	4.3	1.2	14	FIJI ISLANDS REGION
11	05	38	29.8	41.903	N	20.303	E	5	G	4.0	0.9	18	ALBANIA. ML 3.0 (TTG).
11	05	38	46.5*	63.934	N	152.483	W	33	N		1.3	5	CENTRAL ALASKA. ML 3.3 (PMR).
11	05	58	55.6*	40.326	N	124.156	W	10	G		0.5	8	NEAR COAST OF NORTHERN CALIF. ML 2.8 (BRK).
11	06	16	29.2*	44.704	N	7.139	E	10	G		0.3	5	NORTHERN ITALY. ML 2.5 (LDG).
11	07	14	59.5*	41.711	N	127.258	W	10	G	4.0	1.3	13	OFF COAST OF NORTHERN CALIFORNIA
11	07	23	21.1%	47.309	N	122.532	W	5				5	WASHINGTON. <SEA>. CL 2.9 (SEA). Felt (IV) at Dockton, (III) at Lakebay and (II) at Tacoma. Felt on Vashon Island.
11	07	46	37.0	44.370	N	7.337	E	14			1.0	41	NORTHERN ITALY. ML 3.4 (LDG).
11	08	10	13.3*	44.356	N	7.228	E	10	G		1.0	5	NORTHERN ITALY. ML 2.6 (LDG).
11	08	16	30.77	42.53	N	73.70	E	33	N	4.7	0.9	15	KIRGHIZ SSR
11	08	59	07.2*	17.849	S	178.234	W	641	*	4.5	0.8	20	FIJI ISLANDS REGION
11	09	19	31.8	1.763	S	134.377	E	10	G	4.9	1.0	32	WEST IRIAN REGION
11	10	28	36.5*	41.160	N	24.444	E	10	G		0.6	6	GREECE-BULGARIA BORDER REGION
11	10	48	10.4%	45.940	N	122.416	W	15				7	WASHINGTON-OREGON BORDER REGION. <SEA>. CL 3.1 (SEA). Felt (V) at Ariel, (IV) at Cougar, (III) at Ambay and La Center, Washington.
11	13	04	54.1	53.181	N	35.449	W	10	G	4.7 4.5	1.0	52	NORTH ATLANTIC OCEAN
11	15	09	19.4	36.512	N	71.187	E	208	*	4.7	1.0	34	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Kharag and Dushonbe, USSR.
11	15	34	37.9%	40.402	N	125.392	W	5	G			11	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
11	17	21	16.6	54.257	N	168.112	W	33	N	4.7	1.2	37	FOX ISLANDS, ALEUTIAN ISLANDS
11	17	37	12.2	5.407	S	151.352	E	71		4.9	1.2	36	NEW BRITAIN REGION
11	18	21	32.37	6.09	S	147.05	E	137	?	3.9	0.2	6	EAST PAPUA NEW GUINEA REGION
11	18	23	45.3	23.982	N	122.381	E	33	N	4.6	1.2	19	TAIWAN REGION
11	19	48	51.2*	1.747	S	96.201	E	33	N	3.2	0.7	6	SOUTHWEST OF SUMATERA
11	22	11	17.5	13.711	N	144.854	E	121		5.0	1.2	73	MARIANA ISLANDS. Felt (III) on Guam.
11	22	24	43.5%	60.253	N	144.370	W	30				36	SOUTHERN ALASKA. <AGS-P>.
11	22	40	36.9	40.429	N	51.647	E	33	N	4.4	0.7	26	CASPIAN SEA

a 11	23 07 38.2	36.482 N	70.660 E	206 D	5.3	0.9	261	HINDU KUSH REGION. Felt (IV) at Ishkashim; (I) at Khorog and in southwestern Tajikistan; (II) at Dzhirgatal and Somarkand, USSR. Also felt at Kabul, Afghanistan.
11	23 18 28.4	59.545 N	152.762 W	77			18	SOUTHERN ALASKA. <AGS-P>.
12	00 38 58.7	43.234 N	26.050 E	10 G		1.4	6	BULGARIA
12	00 39 19.8	23.484 S	67.076 W	33 N		0.8	5	CHILE-ARGENTINA BORDER REGION
12	01 03 57.4	2.468 S	120.454 E	88 *	5.0	1.5	37	SULAWESI
12	01 16 18.3	2.689 S	120.322 E	33 N	4.6	1.4	12	SULAWESI
12	02 48 03.9	64.882 N	149.197 W	33 N		1.0	11	CENTRAL ALASKA. ML 3.7 (PMR).
12	04 03 03.3	29.281 S	71.750 W	33 N		1.3	18	NEAR COAST OF CENTRAL CHILE
12	04 09 42.1	54.112 N	168.340 W	33 N	4.7	1.8	17	FOX ISLANDS, ALEUTIAN ISLANDS
12	04 58 44.7	9.08 S	123.97 E	97 ?		1.0	7	TIMOR
12	05 36 32.8	62.180 N	124.336 W	10 G	3.9	1.0	8	NORTHWEST TERRITORIES, CANADA
12	06 41 25.9	29.738 N	141.879 E	33 N	4.4	0.6	10	SOUTH OF HONSHU, JAPAN
12	06 44 45.8	39.175 N	26.219 E	10 G		0.9	6	TURKEY
12	07 13 03.6	33.20 S	71.78 W	33 N		1.5	11	NEAR COAST OF CENTRAL CHILE
12	07 33 19.2	37.118 N	140.038 E	24	4.2	0.9	19	HONSHU, JAPAN. Felt (I JMA) at Mito.
12	08 31 56.4	33.327 N	141.002 E	33 N	4.8	0.4	8	OFF EAST COAST OF HONSHU, JAPAN
12	11 39 16.7	39.688 N	40.203 E	10 G	4.4	1.0	7	TURKEY
12	12 42 35.1	44.771 N	112.812 W	5 G		0.4	7	EASTERN IDAHO. ML 2.6 (NEIS).
12	13 15 01.2	61.685 N	151.072 W	75			28	SOUTHERN ALASKA. <AGS-P>.
12	13 20 28.4	60.721 N	5.565 E	10 G		0.7	6	SOUTHERN NORWAY. MD 2.1 (BER).
12	13 45 27.6	9.477 N	93.143 E	33 N	4.6	1.0	11	NICOBAR ISLANDS REGION
12	13 54 07.0	6.074 S	147.156 E	112	5.1	1.2	61	EAST PAPUA NEW GUINEA REGION
12	14 06 23.5	15.119 S	173.324 W	33 N	5.0 4.7	1.3	29	TONGA ISLANDS
12	14 41 35.2	17.638 S	72.538 W	33 N	5.0	1.1	9	NEAR COAST OF PERU
12	14 43 43.8	7.292 N	123.844 E	599	4.5	1.0	28	MINDANAO, PHILIPPINE ISLANDS
12	16 16 59.1	12.539 N	125.316 E	33 N	5.0 4.2	1.3	50	SAMAR, PHILIPPINE ISLANDS
12	16 32 56.0	47.470 N	115.800 W	1			1	MONTANA. <SPEC>. ML 2.0 (NEIS). Rockburst in the Lucky Friday mine near Mullian, Idaho. One person killed and two injured.
12	16 35 47.6	15.369 N	61.272 W	10 G		0.3	5	LEEWARD ISLANDS. ML 2.3 (FDF).
12	16 57 45.1	5.876 S	103.363 E	33 N	4.8	1.0	22	SOUTHERN SUMATRA
12	17 25 11.1	24.736 S	179.716 W	537 ?	4.7	0.9	26	SOUTH OF FIJI ISLANDS
12	20 02 30.1	36.565 N	70.953 E	204 ?	4.6	1.1	15	HINDU KUSH REGION
12	20 27 47.8	50.93 N	14.61 E	10 G		1.6	7	CZECHOSLOVAKIA. ML 3.0 (VKA).
12	21 16 11.8	29.187 S	71.294 W	33 N	5.2	1.1	22	NEAR COAST OF CENTRAL CHILE
12	21 26 27.4	28.234 N	140.529 E	33 N	4.7	0.6	9	BONIN ISLANDS REGION
12	21 34 21.9	18.294 N	62.947 W	33 N		0.9	17	LEEWARD ISLANDS. ML 4.0 (FDF). Felt on St. Martin.
12	21 45 11.1	42.84 N	18.34 E	10 G		0.3	6	YUGOSLAVIA. MD 2.0 (TTG).
o 12	22 04 19.8	24.112 S	66.803 W	206 D	5.3	1.2	157	SALTA PROVINCE, ARGENTINA
12	22 27 49.4	40.818 N	27.984 E	10 G		1.1	8	TURKEY
12	22 35 19.1	24.032 S	66.901 W	206		1.2	9	SALTA PROVINCE, ARGENTINA
13	02 29 31.3	33.229 N	83.226 W	5 G		0.6	9	GEORGIA. MD 2.4 (ATL). Felt (IV) at Milledgeville, (III) at Haddock and Eatonton.
13	02 46 23.4	18.131 N	119.969 E	49	5.0 4.0	1.0	87	PHILIPPINE ISLANDS REGION
13	03 27 22.0	62.190 N	149.571 W	51			39	CENTRAL ALASKA. <AGS-P>.
13	03 35 34.4	24.018 S	66.883 W	217		0.6	10	SALTA PROVINCE, ARGENTINA
a 13	05 36 28.8	7.059 S	155.616 E	66	5.7	1.1	247	SOLOMON ISLANDS. Ms 6.0 (BRK), 5.9 (PAS). Felt (V) on Shortland Island and at Arawa and Panguna, Bougainville.
13	07 39 06.0	12.493 N	125.362 E	33 N	4.7	0.9	9	SAMAR, PHILIPPINE ISLANDS
13	07 53 29.6	10.451 S	119.123 E	33 N	4.4	1.5	12	SUMBA ISLAND REGION
13	08 36 59.4	36.309 N	120.312 W	10 G		1.0	13	CENTRAL CALIFORNIA. ML 2.7 (BRK).
o 13	08 41 21.4	26.203 N	100.095 E	29	5.4 4.6	1.0	153	YUNNAN PROVINCE, CHINA
13	08 59 54.4	12.117 N	125.949 E	33 N	5.1	1.2	15	SAMAR, PHILIPPINE ISLANDS
13	09 11 58.3	32.534 S	179.134 W	33 N	4.5	1.0	9	SOUTH OF KERMADEC ISLANDS
13	10 09 25.8	35.88 N	141.67 E	33 N		0.5	7	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Choshi.
13	10 18 39.0	6.063 S	146.005 E	160 ?	3.3	0.8	7	EAST PAPUA NEW GUINEA REGION
13	10 28 54.5	47.024 N	5.577 E	10 G		1.4	9	FRANCE. ML 2.5 (LDG).
13	10 36 40.3	29.754 S	175.137 W	33 N	4.9	1.3	27	KERMADEC ISLANDS REGION
13	11 11 16.9	39.613 N	27.879 E	10 G		0.9	9	TURKEY
13	12 25 01.8	17.61 S	71.89 W	33 N		1.1	6	NEAR COAST OF PERU
13	12 26 21.9	41.756 N	19.583 E	10 G		1.0	6	ALBANIA. ML 2.5 (TTG).
13	12 35 08.6	2.807 S	140.169 E	33 N	4.7	1.5	27	NEAR N. COAST OF WEST IRIAN
13	12 52 56.4	36.185 N	7.170 W	10 G		1.4	5	STRAIT OF GIBRALTAR
13	13 16 38.6	51.65 N	172.65 W	33 N	4.2	1.7	8	ANDREANOF ISLANDS, ALEUTIAN IS.
13	13 25 12.7	58.999 N	153.930 W	122			30	KODIAK ISLAND REGION. <AGS-P>.
13	14 36 28.4	1.855 N	127.007 E	95 *	5.0	0.9	20	HALMAHERA
13	18 25 13.3	33.67 S	72.32 W	33 N		0.5	10	OFF COAST OF CENTRAL CHILE
13	18 55 28.8	59.987 N	153.025 W	111			21	SOUTHERN ALASKA. <AGS-P>.
13	19 07 26.9	0.020 N	126.555 E	33 N	4.1	1.2	8	MOLUCCA PASSAGE
13	19 27 33.6	24.338 N	124.522 E	33 N	4.2	1.3	12	SOUTHWESTERN RYUKYU ISLANDS. Felt (II JMA) on Ishigaki-shima and (I JMA) on Iriomote-jima.
13	21 34 10.7	67.51 N	161.89 W	33 N		1.3	6	ALASKA. ML 3.2 (PMR).
13	23 15 57.2	39.318 N	22.871 E	10 G		0.7	7	GREECE. ML 3.0 (ATH).
14	00 49 45.7	21.280 S	68.536 W	138 *		1.4	9	CHILE-BOLIVIA BORDER REGION
14	01 13 13.5	15.678 N	92.801 W	165 ?	4.2	1.2	12	MEXICO-GUATEMALA BORDER REGION
14	01 49 02.3	11.240 N	140.318 E	59 *	5.0	0.9	30	WEST CAROLINE ISLANDS
14	02 54 22.0	59.826 N	7.079 E	10 G		0.6	5	SOUTHERN NORWAY. MD 2.2 (BER).
14	03 11 42.7	38.438 N	74.075 E	33 N	4.6	1.5	18	TAJIK-XINJIANG BORDER REGION
14	03 20 27.9	67.425 N	161.738 W	33 N		0.6	5	ALASKA. ML 3.1 (PMR).
a 14	04 15 58.5	10.687 S	27.640 E	10 G	5.3 4.8	0.9	88	ZAIRE REPUBLIC
14	05 50 59.7	11.45 N	140.80 E	33 N		0.2	5	WEST CAROLINE ISLANDS
14	06 26 28.6	21.343 S	174.675 W	152 ?	4.4	0.7	14	TONGA ISLANDS
14	06 35 24.3	18.58 S	169.17 E	249 *	4.7	0.4	6	VANUATU ISLANDS
14	07 47 37.7	28.317 N	140.581 E	33 N	4.6	1.2	36	BONIN ISLANDS REGION
o 14	08 42 15.2	43.995 N	147.627 E	82	5.7	1.2	270	KURIL ISLANDS. Felt (V) on Shikotan. Also felt (II JMA) at Nemuro and Kushiro and (I JMA) at Obihiro, Hokkaido.
14	09 28 40.6	34.438 N	61.620 W	10 G	4.8	1.2	34	NORTH ATLANTIC OCEAN
14	09 39 19.6	21.071 S	68.806 W	168 *		0.7	9	CHILE-BOLIVIA BORDER REGION

14	09 43 12.6&	61.710 N	151.452 W	80			35	SOUTHERN ALASKA. <AGS-P>.
14	09 50 58.2	42.329 N	18.901 E	10 G		1.5	8	YUGOSLAVIA. ML 2.6 (TTG).
14	09 55 46.1*	42.974 N	20.507 E	10 G		1.5	7	YUGOSLAVIA. ML 3.0 (TTG).
o 14	10 30 50.3*	46.975 S	12.953 W	10 G	5.4 5.8	1.4	49	SOUTH ATLANTIC RIDGE
14	11 27 08.1	52.547 N	179.059 W	221	4.8	1.0	90	ANDREANOF ISLANDS, ALEUTIAN IS.
14	11 41 14.0*	3.133 N	126.475 E	33 N	5.0	1.3	22	TALAUD ISLANDS
14	12 20 50.9&	60.355 N	152.046 W	76	3.7		50	SOUTHERN ALASKA. <AGS-P>.
14	12 32 14.1*	47.954 N	7.720 E	10 G		0.4	6	SWITZERLAND. ML 2.4 (LDG).
14	13 48 09.6?	46.26 N	24.27 E	33 N		1.0	5	ROMANIA
14	14 35 44.7*	40.152 N	29.591 E	10 G		0.7	6	TURKEY
14	16 05 13.7*	5.332 S	154.372 E	232	4.8	0.9	26	SOLOMON ISLANDS
14	16 54 04.0?	28.77 S	113.45 E	10 G		0.5	5	WESTERN AUSTRALIA
o 14	16 55 52.9	30.070 S	176.559 W	42	5.4 6.1	1.1	238	KERMADEC ISLANDS REGION. Ms 6.4 (BRK), 5.9 (PAS). Felt on Raoul.
14	17 14 33.7*	30.318 S	177.178 W	33 N	4.7	0.5	7	KERMADEC ISLANDS
14	17 35 16.8&	37.613 N	118.927 W	5			18	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).
14	17 36 37.8&	60.177 N	151.147 W	65			31	KENAI PENINSULA, ALASKA. <AGS-P>.
14	19 41 57.7?	38.989 N	27.319 E	10 G		1.5	6	TURKEY
o 14	21 28 27.3	54.753 S	23.833 W	33 N	5.5 4.7	0.8	50	SOUTH SANDWICH ISLANDS REGION
14	22 22 48.4*	4.231 S	143.190 E	105 *	3.9	1.1	9	PAPUA NEW GUINEA
14	23 11 55.5	15.182 N	61.254 W	10 G		0.6	8	LEEWARD ISLANDS. ML 2.4 (FDF).
14	23 21 25.3	15.193 N	61.261 W	10 G		0.3	8	LEEWARD ISLANDS. ML 2.6 (FDF).
14	23 31 02.5?	39.149 N	28.457 E	10 G		1.0	5	TURKEY
14	23 52 38.3?	31.82 S	178.21 W	33 N	4.8	0.9	5	KERMADEC ISLANDS REGION
15	00 41 46.7*	8.935 N	126.678 E	59 *	4.7	1.1	21	MINDANAO, PHILIPPINE ISLANDS
15	01 05 48.6*	24.736 N	123.108 E	33 N	4.5	1.1	7	SOUTHWESTERN RYUKYU ISLANDS
15	01 06 17.4?	27.26 N	58.04 E	33 N	4.3	1.3	8	SOUTHERN IRAN
15	02 23 52.9?	16.39 N	62.34 W	33 N		0.4	5	LEEWARD ISLANDS. ML 2.7 (FDF).
15	02 27 51.9*	62.408 N	124.183 W	10 G		0.2	5	NORTHWEST TERRITORIES, CANADA
15	02 34 12.8&	62.613 N	151.232 W	87	3.9		50	CENTRAL ALASKA. <AGS-P>.
15	03 06 45.9*	2.553 S	120.406 E	33 N	4.5	1.4	16	SULAWESI
15	03 11 56.9&	31.840 N	115.790 W	6 G			8	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
15	04 14 23.6?	39.301 N	27.206 E	10 G		0.3	5	TURKEY
15	04 29 16.3*	2.582 S	139.594 E	33 N	4.9	1.1	22	NEAR N. COAST OF WEST IRIAN
15	04 40 12.0	15.225 N	61.211 W	10 G		0.2	11	LEEWARD ISLANDS. ML 3.0 (FDF).
o 15	05 01 24.6	17.429 S	178.865 W	572	5.2	1.0	76	FIJI ISLANDS REGION
15	05 15 00.8?	29.22 S	177.95 W	33 N	4.8	1.5	9	KERMADEC ISLANDS
15	07 15 07.6*	54.027 N	168.305 W	33 N	4.3	1.3	13	FOX ISLANDS, ALEUTIAN ISLANDS
15	07 34 29.8&	59.052 N	150.871 W	62			34	KENAI PENINSULA, ALASKA. <AGS-P>.
15	07 59 30.0	32.371 N	46.950 E	33 N	4.8	0.7	37	IRAN-IRAQ BORDER REGION
15	08 46 56.4	41.130 N	20.101 E	10 G	5.1	1.4	67	ALBANIA. MD 4.3 (TTG). Felt (IV) at Dhrid and (III) at Skopje, Yugoslavia. Also felt in southwestern Macedonia.
o 15	11 29 44.3	18.909 S	67.391 W	243 D	5.6	1.0	245	BOLIVIA. mb 6.0 (PAS). Felt (IV) at Tacna, Peru and Arica, Chile. Felt (III) at Cachabamba, Bolivia. Also felt (III) at Arequipa and Maquegua, Peru.
15	11 54 33.0*	33.899 S	72.302 W	33 N		1.2	14	OFF COAST OF CENTRAL CHILE
15	14 24 07.8	42.329 N	19.945 E	10 G		1.3	10	YUGOSLAVIA. MD 2.9 (TTG).
15	14 57 59.2	32.121 S	69.803 W	115 ?		0.8	14	MENDOZA PROVINCE, ARGENTINA
15	15 06 55.7	6.792 S	144.852 E	33 N	3.5	1.2	9	PAPUA NEW GUINEA
15	15 20 58.2*	29.952 N	50.368 E	33 N	4.3	1.2	13	SOUTHERN IRAN
15	15 59 59.2*	32.227 N	137.539 E	384	4.7	0.4	15	SOUTH OF HONSHU, JAPAN
15	17 32 05.8*	3.511 N	128.351 E	33 N	4.2	1.1	9	NORTH OF HALMAHERA
15	18 30 03.1*	43.172 N	26.083 E	10 G		1.4	7	BULGARIA
o 15	18 32 10.7	55.931 S	27.429 W	90 D	5.9	0.9	131	SOUTH SANDWICH ISLANDS REGION
15	18 47 26.8*	24.871 N	122.909 E	33 N	4.1	1.4	6	TAIWAN REGION
15	20 48 07.5*	67.350 N	161.696 W	33 N		0.6	9	ALASKA. ML 3.7 (PMR).
15	22 32 24.9?	30.77 S	177.33 W	208 ?	4.3	1.4	9	KERMADEC ISLANDS
16	00 04 00.2*	41.874 N	19.152 E	10 G		1.0	8	ALBANIA. MG 3.2 (LJU).
16	00 04 11.1?	33.85 S	72.17 W	33 N		0.6	11	OFF COAST OF CENTRAL CHILE
16	01 04 01.0	42.014 N	19.388 E	10 G		0.6	9	YUGOSLAVIA. MD 3.2 (TTG).
16	01 05 19.2?	37.07 N	21.83 E	33 N	3.6	1.3	5	SOUTHERN GREECE
16	01 45 45.3&	34.150 N	117.310 W	5			11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt in the San Bernardino area.
16	01 53 08.6	41.378 S	144.614 E	10 G	4.0	0.9	14	TASMANIA REGION. ML 4.0 (TOO), 4.0 (BFD).
16	02 39 17.8	24.788 N	122.888 E	33 N	4.9	1.0	21	TAIWAN REGION
16	03 50 59.9?	42.004 N	19.421 E	10 G		0.4	9	YUGOSLAVIA. MD 2.5 (TTG).
16	05 21 58.0*	16.789 N	61.261 W	33 N		0.2	6	LEEWARD ISLANDS. ML 2.8 (FDF).
16	05 59 30.4*	42.391 N	142.938 E	33 N	4.6	1.1	19	HOKKAIDO, JAPAN REGION
16	06 34 48.4?	11.04 S	163.67 E	33 N	4.4	1.4	6	SOLOMON ISLANDS
16	06 51 58.0*	17.007 N	62.264 W	10 G		1.0	12	LEEWARD ISLANDS. ML 4.1 (FDF).
16	06 53 48.5*	31.370 S	68.154 W	33 N		1.4	5	SAN JUAN PROVINCE, ARGENTINA
16	07 01 17.6	31.250 S	68.386 W	114 *	4.6	1.0	18	SAN JUAN PROVINCE, ARGENTINA
16	07 02 14.6?	16.95 N	62.21 W	10 G		0.6	6	LEEWARD ISLANDS. ML 3.5 (FDF).
16	07 28 42.5	8.375 S	119.744 E	198 *	4.9	1.2	37	FLORES ISLAND REGION
16	08 27 18.8?	4.50 N	97.16 E	158 ?		0.8	5	NORTHERN SUMATERA
16	09 36 37.5*	32.891 S	71.799 W	33 N		1.4	13	NEAR COAST OF CENTRAL CHILE
16	10 33 35.9?	17.19 N	62.15 W	33 N		0.5	6	LEEWARD ISLANDS. ML 3.2 (FDF).
16	10 51 20.7*	32.340 N	69.340 E	33 N	4.3	1.3	13	PAKISTAN
16	11 19 38.3*	29.721 N	52.443 E	33 N	4.3	1.0	23	SOUTHERN IRAN
16	11 54 49.8	51.583 N	16.280 E	10 G		0.7	14	POLAND. ML 4.0 (GRF).
16	12 26 57.0?	30.41 S	175.65 W	33 N	4.9	1.4	9	KERMADEC ISLANDS REGION
16	14 24 07.9*	42.337 N	19.939 E	10 G		0.5	6	YUGOSLAVIA. MD 2.8 (ULC).
16	14 24 18.0	46.848 N	154.018 E	33 N	5.1	0.9	91	KURIL ISLANDS REGION
16	14 35 35.8	42.029 N	20.062 E	10 G		1.0	9	YUGOSLAVIA. MD 2.8 (TTG).
16	15 09 04.8	24.823 N	122.952 E	33 N	4.7	1.3	23	TAIWAN REGION
16	15 48 47.7	40.334 N	51.721 E	33 N	4.5 4.2	0.7	44	CASPIAN SEA
16	16 27 41.7	4.420 N	123.199 E	568 *	4.8	1.0	24	CELEBES SEA
16	17 37 49.4?	39.08 N	22.15 E	5 G		0.7	5	GREECE
16	18 45 15.0	45.754 N	26.976 E	138	3.5	1.1	24	ROMANIA
16	20 57 07.4*	4.930 S	151.859 E	126 *	4.3	1.3	8	NEW BRITAIN REGION
16	21 41 45.3	12.270 S	121.827 E	33 N	4.7	1.4	17	SOUTH OF TIMOR
16	22 07 12.9&	31.931 N	116.224 W	8 G			3	BAJA CALIFORNIA. <ECX-P>. MD 2.3 (ECX).

16	22 45 36.9	36.110 N	31.921 E	10 G	1.0	9	TURKEY. ML 3.4 (CSS).
16	23 00 08.5	46.962 N	154.020 E	33 N 4.9	0.7	10	KURIL ISLANDS REGION
17	00 57 32.9	28.05 N	140.65 E	33 N 4.6	1.7	6	BONIN ISLANDS REGION
17	03 45 33.3	42.351 N	18.957 E	10 G	0.4	5	YUGOSLAVIA. MD 2.2 (TTG).
17	04 48 48.8	51.245 N	15.655 E	10 G	1.5	10	POLAND. MG 2.9 (KRA).
17	05 37 16.9	35.46 N	138.84 E	33 N	1.7	6	HONSHU, JAPAN
17	06 03 24.7	36.555 N	71.540 E	78 ? 4.5	1.0	22	AFGHANISTAN-USSR BORDER REGION
17	06 15 09.1	10.555 N	84.893 W	33 N	1.3	9	COSTA RICA. MD 4.3 (HDC).
17	07 12 15.6	24.854 N	122.896 E	33 N 4.7	1.3	17	TAIWAN REGION
17	08 48 41.5	35.807 N	34.407 W	10 G 4.5 4.2	0.9	14	AZORES ISLANDS REGION
17	09 18 25.2	27.421 N	139.866 E	476 5.5	0.8	260	BONIN ISLANDS REGION
17	11 19 27.5	43.45 N	19.47 E	10 G	1.5	9	YUGOSLAVIA. MD 3.2 (TTG). Felt at Priboj.
17	11 27 32.0	43.48 N	19.64 E	10 G	1.0	6	YUGOSLAVIA. ML 2.7 (TTG).
17	12 29 33.7	60.299 N	140.678 W	4	1.0	10	SOUTHEASTERN ALASKA. <AGS-P>.
17	12 40 07.2	6.188 S	130.241 E	174 5.1	1.0	66	BANDA SEA
17	13 50 04.0	9.811 N	93.025 E	33 N 4.2	1.0	10	NICOBAR ISLANDS REGION
17	13 54 39.5	61.693 N	151.834 W	103	29	29	SOUTHERN ALASKA. <AGS-P>.
17	16 20 37.1	36.497 N	70.126 E	148 ? 4.2	0.7	8	HINDU KUSH REGION
17	17 58 06.5	41.937 N	20.378 E	10 G	1.1	7	ALBANIA. ML 2.4 (TTG).
17	18 15 38.7	11.139 N	138.741 E	56 * 5.2	1.2	47	WEST CAROLINE ISLANDS
17	20 29 57.8	44.08 S	82.37 W	10 G 4.8	1.6	14	WEST CHILE RISE
18	00 55 26.7	31.590 S	68.528 W	116 4.4	1.0	27	SAN JUAN PROVINCE, ARGENTINA
18	01 13 49.3	38.888 N	8.472 W	10 G	0.9	6	PORTUGAL. MG 3.4 (MDD). Felt (III).
18	01 22 37.6	26.713 N	103.112 E	33 N 4.6	0.9	30	YUNNAN PROVINCE, CHINA
18	01 46 48.2	28.023 N	140.920 E	33 N 4.6	1.5	20	BONIN ISLANDS REGION
18	04 10 51.1	50.22 N	19.24 E	10 G	1.6	5	POLAND. ML 2.7 (KRA).
18	06 47 19.9	13.581 S	75.794 W	171 *	1.4	9	PERU
18	07 00 12.1	15.206 N	61.279 W	10 G	1.1	7	LEEWARD ISLANDS. ML 2.2 (FDF).
18	07 00 47.3	31.035 N	138.220 E	410 4.7	0.7	67	SOUTH OF HONSHU, JAPAN
18	08 08 32.9	64.029 N	126.978 W	10 G	1.1	5	NORTHWEST TERRITORIES, CANADA
18	09 13 30.9	24.741 N	123.075 E	33 N 4.8	1.4	20	SOUTHWESTERN RYUKYU ISLANDS
18	09 17 37.6	19.697 S	174.400 W	33 N 4.7	1.0	10	TONGA ISLANDS
18	09 25 38.7	39.418 N	27.919 E	10 G	0.5	5	TURKEY
18	09 56 46.2	41.26 S	91.21 W	10 G 4.8 4.5	1.0	13	SOUTHERN PACIFIC OCEAN
18	10 02 30.9	15.884 S	72.229 W	122 4.7	1.3	29	SOUTHERN PERU
18	10 35 44.8	39.634 N	29.422 E	10 G	1.1	6	TURKEY
18	11 01 07.7	39.132 N	27.622 E	10 G	0.3	5	TURKEY
18	11 14 27.8	17.700 N	101.150 W	63 4.6	1.1	52	NEAR COAST OF GUERRERO, MEXICO
18	13 50 27.1	19.78 N	97.69 W	33 N	1.4	6	VERA CRUZ, MEXICO
18	14 39 51.0	60.37 N	5.91 E	10 G	1.1	4	SOUTHERN NORWAY. MD 1.7 (BER).
18	14 52 27.2	24.764 S	178.727 W	431 ? 4.7	0.8	23	SOUTH OF FIJI ISLANDS
18	14 58 40.5	5.280 S	152.079 E	33 N 3.8	1.5	7	NEW BRITAIN REGION
18	15 30 40.8	43.017 N	1.967 W	10 G	0.6	9	PYRENEES. ML 2.8 (LDG).
18	15 48 50.2	66.79 N	159.16 W	33 N	0.4	5	ALASKA. ML 3.2 (PMR).
18	16 02 02.9	42.922 N	1.885 W	10 G	0.6	8	PYRENEES. ML 2.8 (LDG).
18	16 12 30.2	54.028 N	168.070 W	33 N 4.7	1.2	14	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR). Felt (III) at Unalakleet, Alaska.
18	16 51 05.4	3.541 N	126.823 E	33 N 4.6	1.3	9	TALAUD ISLANDS
18	17 43 20.7	38.855 N	0.522 W	10 G	1.4	5	SPAIN. MG 3.3 (MDD). Felt (III).
18	18 45 01.1	54.086 N	168.075 W	33 N 4.6	0.9	17	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
18	20 49 25.2	21.169 S	66.803 W	210 ?	0.4	8	SOUTHERN BOLIVIA
18	21 45 41.3	45.79 N	10.15 E	10 G	0.6	5	NORTHERN ITALY
18	23 25 16.6	56.974 N	154.295 W	86 4.7	61	61	KODIAK ISLAND REGION. <AGS-P>.
18	23 53 36.1	44.621 N	111.006 W	5 G	0.4	7	HEBGEN LAKE REGION. ML 3.1 (NEIS).
18	23 54 04.1	38.760 N	26.483 E	10 G	1.0	9	AEGEAN SEA
19	03 00 19.3	24.748 N	122.915 E	33 N 5.0 4.7	0.9	33	TAIWAN REGION
19	04 38 35.3	48.191 N	7.394 E	10 G	1.2	11	FRANCE. ML 2.5 (LDG).
19	06 25 20.4	10.050 N	142.478 E	33 N 4.9	0.5	13	SOUTH OF MARIANA ISLANDS
19	07 22 21.9	38.889 N	26.610 E	10 G	1.3	11	AEGEAN SEA
19	08 22 27.9	34.32 S	71.12 W	33 N	0.1	6	NEAR COAST OF CENTRAL CHILE
19	08 50 07.7	43.938 N	128.422 W	10 G 4.8 4.7	1.1	82	OFF COAST OF OREGON
19	09 08 28.0	12.399 N	141.712 E	46 * 5.0	1.1	22	SOUTH OF MARIANA ISLANDS
19	09 27 38.2	37.502 N	118.587 W	5 G	0.7	22	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (NEIS), 3.2 (PAS), 3.1 (BRK). Felt (III) at Auberry and Miramonte, California.
19	09 29 08.9	63.205 N	150.693 W	143 *	0.6	10	CENTRAL ALASKA
19	09 46 45.3	20.232 S	173.926 W	33 N 4.6	1.6	13	TONGA ISLANDS
19	09 59 50.6	60.744 N	5.552 E	10 G	1.0	5	SOUTHERN NORWAY. MD 1.8 (BER).
19	12 06 23.2	30.164 S	71.611 W	33 N	1.0	9	NEAR COAST OF CENTRAL CHILE
19	13 31 28.8	31.73 S	68.12 W	33 N	1.0	8	SAN JUAN PROVINCE, ARGENTINA
19	14 16 27.3	21.566 N	143.223 E	314 4.5	0.9	49	MARIANA ISLANDS REGION
19	14 43 49.9	39.580 N	29.477 E	10 G	1.3	8	TURKEY
19	15 29 11.5	37.576 N	26.923 E	18 4.3	1.1	80	DODECANESE ISLANDS. ML 4.3 (ATH).
19	15 50 28.5	15.771 N	61.338 W	33 N	1.2	6	LEEWARD ISLANDS. ML 1.9 (FDF).
19	15 58 03.3	51.598 N	6.782 E	10 G	0.4	5	GERMANY
19	16 24 31.5	35.571 N	31.168 E	33 N 4.3	1.5	53	CYPRUS
19	16 47 27.2	37.572 N	26.874 E	10 G 4.6	1.1	22	DODECANESE ISLANDS. ML 3.8 (ATH).
19	17 42 14.4	6.888 S	129.637 E	33 N 5.3	1.0	14	BANDA SEA
19	18 28 50.3	52.168 N	174.060 E	33 N 4.8	0.8	40	NEAR ISLANDS, ALEUTIAN ISLANDS
19	19 43 15.4	12.368 N	141.690 E	33 N 4.7	1.0	9	SOUTH OF MARIANA ISLANDS
19	19 44 48.5	31.221 S	68.306 W	100 *	1.1	11	SAN JUAN PROVINCE, ARGENTINA
19	20 53 50.8	51.51 N	8.78 E	10 G	1.4	7	GERMANY. ML 2.2 (DOU).
19	21 20 58.4	59.814 N	152.502 W	87	28	28	SOUTHERN ALASKA. <AGS-P>.
19	21 28 01.9	12.413 N	141.762 E	43 5.4 5.0	1.1	140	SOUTH OF MARIANA ISLANDS
19	21 35 18.2	24.779 N	122.950 E	33 N 4.7	0.9	9	TAIWAN REGION
19	22 12 40.2	39.096 N	20.332 E	33 N 3.5	1.3	21	GREECE-ALBANIA BORDER REGION. ML 4.0 (ATH).
19	23 04 52.3	36.448 N	7.603 W	33 N	0.7	7	STRAIT OF GIBRALTAR
19	23 37 10.2	14.767 N	93.819 W	35 * 4.5	1.2	34	NEAR COAST OF CHIAPAS, MEXICO
20	00 28 55.3	12.356 N	141.633 E	33 N 4.7	1.3	11	SOUTH OF MARIANA ISLANDS
20	00 43 26.6	17.110 S	65.397 W	52 * 4.9	1.5	52	BOLIVIA. Felt (II) at Cochabamba. Also felt at Oruro.
20	02 31 59.5	52.053 S	4.913 W	10 G 4.8 4.9	1.0	20	SOUTH ATLANTIC RIDGE
20	03 33 37.0	42.362 N	19.952 E	10 G	0.4	8	YUGOSLAVIA. ML 2.3 (TTG).
20	03 47 35.5	62.793 N	149.782 W	59	31	31	CENTRAL ALASKA. <AGS-P>.

20	06 49 40.2&	33.790 N	118.310 W	10					12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt at Carson, Downey, Gardena and Long Beach.
20	09 46 27.4%	39.225 N	28.132 E	10 G		1.3			10	TURKEY
20	09 46 35.17	54.64 N	159.24 E	33 N	4.8	1.3			10	NEAR EAST COAST OF KAMCHATKA
20	10 34 32.4	32.787 S	69.819 W	124 ?		0.6			13	MENDOZA PROVINCE, ARGENTINA
20	11 40 17.3*	17.402 S	167.208 E	24 *	4.7	1.5			40	VANUATU ISLANDS
20	13 25 57.9*	38.724 N	4.040 W	10 G		0.9			6	SPAIN
20	14 06 48.57	44.58 S	81.24 W	10 G		0.4			6	WEST CHILE RISE
20	14 06 58.6*	3.438 S	139.016 E	33 N	4.1	1.4			8	WEST IRIAN
20	15 47 16.3*	30.664 S	71.874 W	33 N	4.7	1.0			21	NEAR COAST OF CENTRAL CHILE
20	16 17 35.5&	60.118 N	153.281 W	143					29	SOUTHERN ALASKA. <AGS-P>.
20	17 57 27.0	39.070 N	29.557 E	10 G		0.9			22	TURKEY
20	19 10 27.8	56.008 S	27.614 W	112 ?	5.1	0.7			27	SOUTH SANDWICH ISLANDS REGION
20	19 40 08.8	54.202 N	168.187 W	33 N	4.8 4.3	1.3			43	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR). Felt at Unalaska.
20	19 49 04.07	42.53 S	145.29 E	10 G		1.2			6	TASMANIA REGION
20	20 45 24.6	45.551 N	9.484 E	10 G		1.4			12	NORTHERN ITALY. ML 2.4 (KBA).
20	20 55 16.0%	16.719 N	60.713 W	33 N		0.3			9	LEEWARD ISLANDS. ML 4.0 (FDF).
20	21 00 21.7	6.105 S	105.339 E	33 N	5.1	1.5			68	SUNDA STRAIT
20	22 41 37.9&	40.948 N	123.622 W	5 G					5	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
20	22 43 00.0&	40.958 N	123.647 W	5 G					6	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
20	22 43 13.0&	41.000 N	123.600 W	5 G					2	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). In cada of previous event, assumed same location to nearest tenth of a degree.
20	23 46 32.2	36.554 N	71.363 E	33 N	4.9	0.7			13	AFGHANISTAN-USSR BORDER REGION
21	00 11 44.3%	29.684 S	68.347 W	33 N		0.2			5	SAN JUAN PROVINCE, ARGENTINA
21	01 23 47.0	36.968 N	121.020 W	5 G		0.8			15	CENTRAL CALIFORNIA. ML 2.8 (BRK).
21	04 48 07.5	19.878 S	66.925 W	250	4.5	1.0			30	SOUTHERN BOLIVIA
21	05 02 44.0*	28.565 N	142.599 E	33 N	4.6	1.0			10	BONIN ISLANDS REGION
21	05 29 49.3	23.371 S	68.355 W	159	4.3	0.5			11	NORTHERN CHILE
21	05 39 23.6*	39.707 N	69.030 E	33 N	4.8	1.3			10	TAJIK SSR. Felt (V) at Ura-Tyube, (III) at Ganchi and (II) at Samarkand.
21	06 37 27.3&	40.930 N	125.233 W	5 G					13	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK).
21	07 31 28.4%	15.955 N	62.124 W	10 G		0.2			7	LEEWARD ISLANDS
21	07 34 42.3*	40.066 S	74.873 W	33 N	4.6	0.7			14	OFF COAST OF SOUTHERN CHILE
21	07 58 04.4*	41.411 N	142.272 E	67 ?	4.6	0.8			12	HOKKAIDO, JAPAN REGION
21	08 15 30.1	61.979 N	124.277 W	10 G	4.1	1.1			9	NORTHWEST TERRITORIES, CANADA
21	08 30 52.4%	31.914 S	70.060 W	33 N		1.0			6	CHILE-ARGENTINA BORDER REGION
21	08 32 12.97	31.55 S	69.46 W	33 N		1.6			5	SAN JUAN PROVINCE, ARGENTINA
21	09 36 58.5%	46.338 N	25.072 E	33 N		0.3			5	ROMANIA
21	09 53 15.2%	39.140 N	27.617 E	10 G		0.2			5	TURKEY
21	10 19 06.3	2.885 S	139.367 E	62 *	5.2	1.1			71	NEAR N. COAST OF WEST IRIAN
21	13 55 41.0	30.697 S	71.424 W	52	4.9	1.1			47	NEAR COAST OF CENTRAL CHILE. Felt (V) at Salamanca and (II) at Ovalle, La Serena and Coquimbo. Also felt at Iliapel.
21	14 14 35.4*	6.796 N	123.980 E	57 ?	4.0	1.3			15	MINDANAO, PHILIPPINE ISLANDS
21	14 26 08.0*	43.252 N	17.613 E	10 G		0.6			7	YUGOSLAVIA. ML 3.0 (TTG).
21	14 34 29.4	21.303 S	66.963 W	199 ?	4.1	0.5			10	SOUTHERN BOLIVIA
21	17 41 11.0&	31.149 N	117.023 W	8 G					3	OFF W. COAST OF BAJA CALIFORNIA. <ECX-P>. MD 2.3 (ECX).
21	18 40 12.27	3.08 N	128.54 E	33 N		1.2			7	NORTH OF HALMAHERA
21	18 51 32.2%	15.388 N	60.792 W	33 N		0.6			6	LEEWARD ISLANDS. ML 2.4 (FDF).
21	19 57 37.7&	61.512 N	146.759 W	28					35	SOUTHERN ALASKA. <AGS-P>.
21	20 18 08.7*	38.563 N	0.480 W	10 G		0.6			6	SPAIN. MG 3.2 (MDD).
21	20 58 56.8*	30.391 N	140.203 E	163 *	4.6	0.5			10	SOUTH OF HONSHU, JAPAN
o 21	21 35 35.8	7.455 S	120.646 E	614	5.5	0.9			151	FLORES SEA
o 21	23 56 18.6&	54.284 N	121.854 W	18 G	5.4 5.2				251	BRITISH COLUMBIA. <PGC>. ML 6.0 (PGC). Felt in many parts of British Columbia and Alberta, including the cities of Prince George, Fort St. John, Dawson Creek, Kamloops, Vancouver, Grande Prairie, Edmonton and Calgary.
22	01 15 56.7*	9.241 S	158.818 E	50 *	4.2	1.5			11	SOLOMON ISLANDS
22	01 28 14.87	36.46 N	70.57 E	88 ?	4.1	0.8			9	HINDU KUSH REGION
22	01 47 47.0*	51.667 N	6.721 E	10 G		0.3			6	GERMANY. ML 1.9 (STB).
22	01 48 15.27	27.83 N	102.71 E	33 N	4.2	0.4			5	SICHUAN PROVINCE, CHINA
22	02 30 22.6	46.461 N	4.064 W	23		0.9			24	BAY OF BISCAY. ML 4.1 (LDG).
22	03 33 31.9*	31.218 S	68.934 W	149 ?		1.1			14	SAN JUAN PROVINCE, ARGENTINA
22	04 38 00.97	19.64 S	33.29 E	10 G		1.0			5	MOZAMBIQUE. MG 3.5 (BUL).
22	04 39 10.57	20.30 S	176.00 W	259 ?	4.1	1.5			10	FUJI ISLANDS REGION
22	04 45 32.8	23.422 N	121.565 E	45	5.6 5.5	1.1			185	TAIWAN. Felt on Taiwan.
22	05 30 01.9&	60.348 N	153.297 W	165	4.4				79	SOUTHERN ALASKA. <AGS-P>. Felt at Homer.
22	06 43 36.3	27.468 S	69.204 W	131 *		1.1			11	NORTHERN CHILE
22	07 15 18.0*	24.359 N	122.518 E	33 N	4.5	1.0			6	TAIWAN REGION
22	08 18 00.8	24.699 N	122.813 E	27 ?	4.8	1.0			23	TAIWAN REGION
22	08 32 53.5	24.827 N	122.901 E	33 *	5.0	1.0			28	TAIWAN REGION
22	08 38 18.8*	24.683 N	122.823 E	33 N	4.5	1.3			11	TAIWAN REGION
22	08 42 52.47	34.17 S	71.76 W	22		0.7			11	NEAR COAST OF CENTRAL CHILE
22	08 47 44.2*	24.688 N	122.773 E	39 *	4.9	1.0			19	TAIWAN REGION
22	08 54 14.6	24.727 N	122.876 E	33 N	5.1	0.9			33	TAIWAN REGION
22	08 57 21.67	23.80 N	120.48 E	33 N	4.5	0.9			7	TAIWAN
22	09 00 31.2*	25.242 N	123.883 E	33 N	4.4	0.4			7	NORTHEAST OF TAIWAN
22	09 04 03.47	24.29 N	122.93 E	33 N	5.0	0.7			12	TAIWAN REGION
22	09 08 58.4*	24.871 N	122.962 E	33 N	4.6	0.1			6	TAIWAN REGION
22	09 10 47.3*	24.780 N	122.770 E	33 N	4.6	1.2			9	TAIWAN REGION
22	09 16 16.1	24.732 N	122.823 E	33 N	4.6	0.8			19	TAIWAN REGION
22	09 20 30.2*	24.705 N	122.836 E	33 N	4.5	1.3			17	TAIWAN REGION
22	09 22 01.5	24.742 N	122.865 E	33 N	5.3	1.1			37	TAIWAN REGION
22	09 33 18.7	24.784 N	122.901 E	33 N	5.1	1.0			26	TAIWAN REGION
22	09 41 25.9*	24.952 N	122.913 E	33 N	5.0	1.1			11	TAIWAN REGION
22	09 43 13.7*	24.636 N	122.833 E	33 N	4.9	1.1			12	TAIWAN REGION
22	09 48 05.5	24.791 N	122.878 E	33 N	5.3	1.3			44	TAIWAN REGION
22	09 57 48.9	24.739 N	122.825 E	37 *	5.3	1.2			49	TAIWAN REGION
22	10 05 40.2*	33.574 S	72.354 W	33 N	4.2	1.0			16	OFF COAST OF CENTRAL CHILE
22	10 22 50.0*	24.593 N	122.865 E	33 N	5.0	1.4			24	TAIWAN REGION

o 22	10 31 07.3	24.753 N	122.921 E	33 N	5.3 5.7	0	88	TAIWAN REGION
22	10 37 50.5?	24.27 N	122.75 E	33 N	4.7	0.9	8	TAIWAN REGION
22	10 53 00.4*	24.840 N	122.572 E	33 N	4.7	1.4	15	TAIWAN REGION
22	10 54 58.8	24.813 N	122.952 E	33 N	5.2	1.0	36	TAIWAN REGION
22	11 01 19.7*	24.802 N	122.613 E	33 N	5.0	1.0	12	TAIWAN REGION
22	11 05 48.2*	24.790 N	122.944 E	33 N	5.0	1.0	19	TAIWAN REGION
22	11 14 59.0	24.763 N	122.902 E	33 N	5.0	1.2	25	TAIWAN REGION
o 22	11 19 36.1	24.681 N	122.778 E	33 N	5.4	1.2	66	TAIWAN REGION
22	11 27 38.3?	24.55 N	122.75 E	33 N	4.9	1.3	10	TAIWAN REGION
22	11 40 03.8?	24.83 N	122.88 E	33 N	4.8	0.5	6	TAIWAN REGION
22	11 49 31.8*	24.943 N	122.736 E	33 N	5.0	1.2	25	TAIWAN REGION
22	11 56 11.9	24.852 N	122.947 E	33 N	5.1	0.8	24	TAIWAN REGION
o 22	12 06 33.6	24.669 N	122.814 E	33 N	5.4 5.7	1.2	121	TAIWAN REGION
22	12 16 34.8*	24.734 N	122.630 E	33 N	5.1	1.0	14	TAIWAN REGION
22	12 37 42.1*	24.868 N	123.046 E	33 N	5.0	1.4	17	SOUTHWESTERN RYUKYU ISLANDS
22	12 49 39.7*	24.843 N	122.852 E	33 N	4.9	1.1	15	TAIWAN REGION
22	12 50 37.8*	24.755 N	122.930 E	33 N	5.1	1.3	22	TAIWAN REGION
22	12 57 03.4*	24.759 N	122.933 E	33 N	5.3	1.4	28	TAIWAN REGION
22	13 00 54.5*	24.857 N	123.270 E	33 N	4.9	1.1	15	SOUTHWESTERN RYUKYU ISLANDS
22	13 05 22.0	24.761 N	123.011 E	33 N	4.7	0.8	18	SOUTHWESTERN RYUKYU ISLANDS
22	13 26 21.4*	28.844 S	67.244 W	145 ?		1.1	9	LA RIOJA PROVINCE, ARGENTINA
22	13 27 31.5*	24.910 N	123.027 E	33 N	4.7	1.4	24	SOUTHWESTERN RYUKYU ISLANDS
22	13 28 50.1*	24.481 N	122.922 E	33 N	4.9	1.1	10	TAIWAN REGION
22	13 33 58.3	24.843 N	123.063 E	33 N	5.3 5.4	1.4	51	SOUTHWESTERN RYUKYU ISLANDS
22	13 55 34.2*	24.916 N	123.186 E	33 N	5.1	0.9	19	SOUTHWESTERN RYUKYU ISLANDS
22	14 00 55.8*	24.698 N	122.893 E	33 N	4.7	1.4	7	TAIWAN REGION
22	14 02 24.8*	24.826 N	123.012 E	33 N	4.9	1.5	13	SOUTHWESTERN RYUKYU ISLANDS
22	14 24 42.4*	24.759 N	123.382 E	33 N	4.7	1.2	15	SOUTHWESTERN RYUKYU ISLANDS
o 22	14 27 17.7	24.726 N	123.015 E	33 N	4.9 5.5	1.2	39	SOUTHWESTERN RYUKYU ISLANDS
22	14 46 04.2	24.700 N	122.854 E	33 N	5.1	1.4	31	TAIWAN REGION
22	14 53 59.6%	40.827 N	27.852 E	10 G		0.8	9	TURKEY
22	14 59 58.6	0.292 S	123.643 E	170 *	5.0	1.1	23	MINAHASSA PENINSULA
22	15 18 40.4	34.080 N	61.015 W	24 D	5.0	1.0	110	NORTH ATLANTIC OCEAN
22	16 06 27.9	24.695 N	122.997 E	33 N	4.7	1.1	9	TAIWAN REGION
22	16 15 00.0&	37.083 N	116.066 W	0	5.1		172	SOUTHERN NEVADA. <DOE>. ML 5.0 (BRK). 37' 04' 58.81" N., 116' 03' 57.81" W., Surface Elev. 1260 m., Depth of Burial 600 m., Shot Time 161500.076, "GLENCOE", Nevada Test Site (Dept. of Energy).
22	16 31 55.0*	24.750 N	122.938 E	33 N	4.5	1.0	12	TAIWAN REGION
22	16 43 15.4*	24.816 N	122.395 E	33 N	4.6	1.4	8	TAIWAN REGION
22	16 48 48.9?	36.20 S	103.98 W	10 G	4.7	1.0	20	SOUTHERN PACIFIC OCEAN
22	16 50 33.2	24.839 N	123.049 E	33 N	4.9	1.1	22	SOUTHWESTERN RYUKYU ISLANDS
o 22	16 56 51.7	4.377 S	104.701 W	10 G	5.4 5.9	1.3	86	NORTHERN EASTER I. CORDILLERA. Ms 5.5 (BRK).
22	17 04 28.5%	40.079 N	29.397 E	10 G		1.0	8	TURKEY
22	17 07 01.4*	24.584 N	122.739 E	33 N	4.9	0.4	9	TAIWAN REGION
22	17 31 53.5*	24.851 N	122.551 E	33 N	4.5	0.8	7	TAIWAN REGION
22	17 55 04.1	24.617 N	123.160 E	33 N	5.0	0.9	20	SOUTHWESTERN RYUKYU ISLANDS
22	18 12 54.9*	4.883 S	152.813 E	33 N	4.4	0.9	7	NEW BRITAIN REGION
22	18 14 29.7*	24.553 N	122.638 E	43 *	4.9	1.1	15	TAIWAN REGION
22	18 31 09.2*	24.654 N	123.124 E	33 N	4.8	1.3	14	SOUTHWESTERN RYUKYU ISLANDS
22	18 37 04.8*	24.449 N	122.650 E	33 N	4.9	1.1	10	TAIWAN REGION
22	18 44 55.8*	24.689 N	123.314 E	33 N	4.5	1.4	7	SOUTHWESTERN RYUKYU ISLANDS
o 22	18 45 32.7	24.812 N	123.212 E	33 N	5.2	1.1	45	SOUTHWESTERN RYUKYU ISLANDS
22	19 31 35.7*	24.634 N	123.081 E	33 N	4.8	1.3	23	SOUTHWESTERN RYUKYU ISLANDS
22	19 37 34.6*	5.403 S	150.252 E	122 *	4.7	1.2	23	NEW BRITAIN REGION
22	19 51 34.1*	24.750 N	122.840 E	33 N	4.6	0.4	9	TAIWAN REGION
22	20 19 25.9*	24.311 S	67.248 W	199 *		0.7	9	CHILE-ARGENTINA BORDER REGION
22	20 26 49.2	24.758 N	122.868 E	33 N	4.9	0.9	16	TAIWAN REGION
22	20 29 44.6*	24.841 N	123.295 E	33 N	4.7	1.2	13	SOUTHWESTERN RYUKYU ISLANDS
22	20 35 21.9*	51.422 N	15.933 E	10 G		0.7	8	POLAND. ML 3.5 (GRF), 3.3 (KBA), 3.3 (VKA).
22	20 36 23.6*	36.511 N	21.067 E	33 N		1.0	26	SOUTHERN GREECE. ML 3.9 (ATH).
22	20 48 19.4	24.701 N	122.975 E	33 N	5.0	1.2	54	TAIWAN REGION
22	21 01 04.6?	24.75 N	122.82 E	33 N	4.8	1.3	6	TAIWAN REGION
22	21 14 55.2%	47.153 N	0.274 E	10 G		0.9	14	FRANCE. ML 2.9 (LDG).
22	21 18 20.0*	14.988 S	166.955 E	33 N	3.9	1.1	24	VANUATU ISLANDS
22	21 32 40.4*	24.723 N	122.896 E	33 N	4.7	1.1	9	TAIWAN REGION
22	21 45 48.9&	61.217 N	150.382 W	16			44	SOUTHERN ALASKA. <AGS-P>. ML 3.5 (PMR). Felt at Anchorage.
22	23 01 55.7*	10.043 S	161.223 E	112 *	4.4	1.2	12	SOLOMON ISLANDS
22	23 39 20.7*	24.754 N	122.788 E	33 N	4.8	1.2	15	TAIWAN REGION
22	23 53 45.4	24.764 N	123.164 E	20	5.0	0.9	45	SOUTHWESTERN RYUKYU ISLANDS
23	00 28 44.7*	32.279 S	68.884 W	137 ?		0.3	7	MENDOZA PROVINCE, ARGENTINA
23	00 46 57.7*	24.778 N	122.885 E	33 N	4.7	1.2	21	TAIWAN REGION
23	00 57 28.0*	34.215 N	88.916 E	33 N	4.8	1.0	11	TIBET
23	01 28 10.8%	44.304 N	7.366 E	10 G		0.4	7	NORTHERN ITALY. ML 2.7 (LDG).
23	01 33 29.5	6.817 S	155.800 E	74	4.9	0.9	12	SOLOMON ISLANDS. Felt (III) at Arawa and Pongona, Bougainville.
23	01 42 49.7*	24.827 N	123.126 E	33 N	4.7	1.0	13	SOUTHWESTERN RYUKYU ISLANDS
23	01 48 34.6*	18.074 S	176.618 W	350	4.4	1.0	28	FIJI ISLANDS REGION
23	02 03 20.0%	47.070 N	0.080 E	10 G		0.7	6	FRANCE. ML 2.3 (LDG).
23	02 04 56.8*	24.777 N	123.133 E	33 N	4.7	1.0	8	SOUTHWESTERN RYUKYU ISLANDS
23	02 48 10.3*	7.658 S	128.198 E	136 ?	4.2	1.4	12	BANDA SEA
23	03 11 53.7*	33.177 S	72.314 W	33 N		1.5	19	OFF COAST OF CENTRAL CHILE
23	03 38 19.6?	31.59 S	69.90 W	33 N		0.7	5	SAN JUAN PROVINCE, ARGENTINA
23	03 50 43.8	28.534 N	130.058 E	33 N	5.1 5.0	0.9	68	RYUKYU ISLANDS
23	04 22 59.3*	24.577 N	123.097 E	33 N	4.8	0.9	6	SOUTHWESTERN RYUKYU ISLANDS
23	04 35 52.2?	32.01 S	68.71 W	77 ?		0.4	6	MENDOZA PROVINCE, ARGENTINA
23	04 58 01.4&	38.845 N	122.887 W	2 G	3.7		37	NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=1.3*10**22 (BRK). Felt strongly at The Geysers. Felt (V) at Cobb, (IV) at Loch Lamond and Jenner, (III) at Bayes Hot Springs and Freestone
23	05 22 06.6	24.719 N	123.111 E	30	4.9	1.0	36	SOUTHWESTERN RYUKYU ISLANDS
23	05 38 12.6*	7.680 S	127.563 E	174 *	4.9	1.3	19	BANDA SEA

23	06 06 29.1*	24.780 N	123.157 E	33 N	4.8	1.4	19	SOUTHWESTERN RYUKYU ISLANDS
23	06 30 35.17	1.81 S	100.30 E	64 ?	4.7	0.8	12	SOUTHERN SUMATERA
23	07 43 01.2*	24.762 N	123.022 E	33 N	4.8	1.1	13	SOUTHWESTERN RYUKYU ISLANDS
23	08 03 15.9*	24.955 N	123.150 E	33 N	4.6	1.4	14	SOUTHWESTERN RYUKYU ISLANDS
23	08 48 36.1*	24.755 N	123.041 E	33 N	4.7	0.5	5	SOUTHWESTERN RYUKYU ISLANDS
23	10 14 26.8*	24.094 S	66.869 W	225 *		0.4	8	SALTA PROVINCE, ARGENTINA
23	10 37 26.1	24.689 N	123.135 E	33 N	4.7	1.3	25	SOUTHWESTERN RYUKYU ISLANDS
23	10 42 19.5*	24.618 N	122.643 E	33 N	4.6	1.4	6	TAIWAN REGION
23	11 08 18.5*	24.719 N	123.033 E	33 N	4.9	1.1	14	SOUTHWESTERN RYUKYU ISLANDS
23	11 14 06.0	36.107 N	119.999 W	5 G		1.1	11	CENTRAL CALIFORNIA. ML 2.5 (BRK).
23	11 26 22.2%	39.125 N	27.641 E	10 G		0.3	6	TURKEY
a 23	11 47 38.7	26.710 S	70.938 W	62 D	5.4	1.1	99	NEAR COAST OF NORTHERN CHILE. Felt at Chanaral and Talital.
23	11 52 31.7?	17.34 N	99.19 W	33 N		1.2	5	GUERRERO, MEXICO
23	12 56 22.4	44.595 N	10.727 E	10 G		0.9	13	NORTHERN ITALY. ML 3.0 (KBA), 2.9 (LDG). MD 2.8 (FIR).
a 23	13 15 39.8	0.844 N	26.220 W	10 G	4.8 5.0	0.9	52	CENTRAL MID-ATLANTIC RIDGE
23	13 15 56.5*	24.969 N	123.447 E	33 N	4.5	1.6	10	SOUTHWESTERN RYUKYU ISLANDS
23	13 23 10.4?	28.95 N	51.62 E	33 N	4.0	0.9	6	SOUTHERN IRAN
23	13 25 40.4?	33.78 S	72.18 W	33 N		0.4	10	OFF COAST OF CENTRAL CHILE
23	13 30 29.0	47.517 N	154.364 E	45 D	5.0	0.6	69	KURIL ISLANDS
23	13 36 45.7	31.633 S	68.672 W	8		1.3	20	SAN JUAN PROVINCE, ARGENTINA
23	13 59 22.2	44.307 N	6.428 E	11		0.7	34	FRANCE. ML 3.6 (LDG).
23	14 03 19.2	44.304 N	6.454 E	10 G		0.5	11	FRANCE. ML 2.9 (LDG).
23	14 08 55.3	24.772 N	123.011 E	45 *	5.0	1.1	48	SOUTHWESTERN RYUKYU ISLANDS
23	14 14 36.5*	7.922 S	122.604 E	281 *	5.2	1.1	14	FLORES SEA
23	14 22 21.9%	44.273 N	6.279 E	10 G		0.5	6	FRANCE. ML 2.6 (LDG).
23	14 26 03.2	40.346 N	51.629 E	33 N	5.0 4.9	0.8	71	CASPIAN SEA
23	14 26 11.8	44.407 N	114.213 W	5 G		0.5	8	WESTERN IDAHO. ML 3.1 (NEIS).
23	14 44 00.5*	24.663 N	122.815 E	33 N	4.5	1.2	14	TAIWAN REGION
23	15 26 46.9*	0.515 N	30.280 E	10 G	4.7	1.2	9	UGANDA
23	16 55 52.1?	12.12 N	87.16 W	33 N	4.8	0.8	26	NEAR COAST OF NICARAGUA
23	17 40 59.7?	24.89 N	123.68 E	33 N	4.4	1.1	6	SOUTHWESTERN RYUKYU ISLANDS
23	18 14 33.3%	45.972 N	2.721 E	9		0.5	11	FRANCE. ML 2.3 (LDG).
23	18 57 57.8	31.456 S	68.550 W	12		1.2	14	SAN JUAN PROVINCE, ARGENTINA
23	19 22 34.4%	36.924 N	3.087 W	10 G		0.1	5	STRAIT OF GIBALTAR
23	19 23 10.5?	15.50 S	34.50 E	10 G		1.0	5	MALAWI. MG 3.1 (BUL).
23	19 47 52.0?	30.40 S	176.67 W	33 N	4.9	1.5	7	KERMADEC ISLANDS REGION
23	19 55 43.2*	24.406 N	122.594 E	33 N	4.6	1.2	8	TAIWAN REGION
23	20 50 57.4	43.041 N	25.603 E	10 G		1.1	14	BULGARIA
23	21 01 09.2?	36.52 N	70.46 E	132 ?	4.2	0.8	5	HINDU KUSH REGION
23	21 16 24.9*	4.786 S	151.701 E	72 *	4.8	1.0	22	NEW BRITAIN REGION
23	22 25 23.4	0.334 S	132.349 E	33 N	4.4	1.1	21	WEST IRIAN REGION
23	22 30 20.3*	0.383 S	132.358 E	33 N	4.8	1.2	19	WEST IRIAN REGION
23	22 33 41.7?	0.50 S	132.55 E	33 N	4.5	1.3	10	WEST IRIAN REGION
23	22 44 22.9	6.956 S	155.718 E	71	5.1	0.9	48	SOLOMON ISLANDS. Felt (II) at Panguna, Bougainville.
23	23 19 30.6*	30.257 S	176.307 W	33 N	4.5	1.8	10	KERMADEC ISLANDS REGION
24	01 54 40.9	37.479 N	121.692 W	10 G		0.5	13	CENTRAL CALIFORNIA. ML 2.6 (BRK). Ma=4.2*10**21 (BRK).
a 24	02 01 28.9	28.541 N	130.009 E	26 *	5.6 5.9	0.9	269	RYUKYU ISLANDS. Ms 5.7 (PAS), 5.6 (BRK). Felt (IV JMA) at Naze. Felt (II JMA) at Kagoshima and (I JMA) at Kumamoto and Oita, Kyushu.
24	02 01 34.2*	40.981 N	19.751 E	10 G		0.4	8	ALBANIA. ML 2.7 (TTG).
24	02 10 58.4*	28.594 N	130.234 E	33 N	4.8	1.2	17	RYUKYU ISLANDS
24	02 23 24.8	7.356 S	120.190 E	412	5.2	1.1	65	FLORES SEA
24	02 33 57.7	24.773 N	122.679 E	31	5.1	1.0	37	TAIWAN REGION
24	02 42 21.0*	29.246 S	71.862 W	33 N		1.2	17	NEAR COAST OF CENTRAL CHILE
24	02 57 14.1*	28.345 N	130.079 E	33 N	4.8	0.9	16	RYUKYU ISLANDS
24	03 00 32.2	24.790 N	123.105 E	33 N	4.4	1.0	12	SOUTHWESTERN RYUKYU ISLANDS
24	03 12 47.0*	8.326 N	103.129 W	10 G	4.8	0.8	30	OFF COAST OF MEXICO
24	03 22 10.5	24.880 N	123.380 E	33 N	4.8	1.0	22	SOUTHWESTERN RYUKYU ISLANDS
24	03 49 58.7	29.487 N	129.377 E	33 N	4.7	1.2	31	RYUKYU ISLANDS
24	04 10 47.3?	21.12 S	173.97 W	33 N	4.3	1.0	9	TONGA ISLANDS
24	04 12 58.7*	7.955 S	133.918 E	33 N	4.9	1.4	11	AROE ISLANDS REGION
24	05 14 40.0%	33.785 N	118.305 W	8		0.6	6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt (IV) at Paramount, Palos Verdes Peninsula, Torrance and Wilmington. Felt (III) at Gardena and Lomita. Also felt in the Carson, Compton and Long Beach areas.
24	07 11 45.3	24.817 N	123.153 E	33 N	4.9	0.8	13	SOUTHWESTERN RYUKYU ISLANDS
24	07 30 51.7*	24.714 N	123.028 E	26 *	5.1	1.4	38	SOUTHWESTERN RYUKYU ISLANDS
24	07 33 25.5*	0.305 S	132.409 E	33 N	4.8	1.0	18	WEST IRIAN REGION
24	09 07 22.2?	15.17 S	178.78 W	430 *	4.4	0.6	11	FIJI ISLANDS REGION
24	09 15 22.4?	34.42 N	61.53 W	10 G	3.8	0.7	10	NORTH ATLANTIC OCEAN
24	09 18 29.2	34.085 N	60.882 W	10 G	4.9 4.0	0.9	60	NORTH ATLANTIC OCEAN
24	09 28 06.9%	40.824 N	28.007 E	10 G		0.5	8	TURKEY
a 24	10 33 57.5	14.132 N	91.318 W	67	5.1	1.2	115	GUATEMALA. Felt (III) at Guatemala City. Felt along the coast of Guatemala and at Tuxtla Gutierrez, Mexico
24	10 55 10.8%	39.151 N	27.648 E	10 G		0.9	5	TURKEY
24	11 45 35.2*	24.152 N	120.662 E	33 N	4.4	1.4	7	TAIWAN
24	12 39 15.5	23.856 S	66.831 W	221	4.1	1.3	27	JUJUY PROVINCE, ARGENTINA
24	14 28 58.4%	39.589 N	29.456 E	10 G		1.0	7	TURKEY
24	14 44 51.9%	15.201 N	61.261 W	10 G		0.2	7	LEEWARD ISLANDS. ML 2.3 (FDF).
24	14 45 16.4%	39.609 N	29.412 E	10 G		1.0	8	TURKEY
24	15 30 52.9*	43.912 N	146.642 E	79 ?	4.8	0.7	23	KURIL ISLANDS
24	15 36 26.4	24.812 N	123.351 E	33 N	4.6	1.0	16	SOUTHWESTERN RYUKYU ISLANDS
24	15 59 51.8*	31.311 S	68.028 W	10 G		1.5	12	SAN JUAN PROVINCE, ARGENTINA
24	16 42 12.0*	18.105 S	178.054 W	605	4.5	1.1	20	FIJI ISLANDS REGION
24	17 11 28.5%	62.388 N	151.396 W	88		0.8	40	CENTRAL ALASKA. <AGS-P>.
24	17 29 57.4	32.476 N	114.077 W	0 G		0.8	16	W. ARIZ. - MEXICO BORDER REGION. ML 3.4 (PAS). Probable explosion.
24	18 06 12.4%	38.827 N	27.707 E	10 G		1.1	11	TURKEY
24	18 10 30.0*	24.903 N	123.519 E	33 N	4.5	1.0	13	SOUTHWESTERN RYUKYU ISLANDS
24	18 50 16.5*	40.176 S	173.191 E	33 N		1.2	7	COOK STRAIT, NEW ZEALAND. Felt at New Plymouth and Wellington.
24	19 04 10.1*	50.392 N	19.031 E	10 G		1.0	5	POLAND. ML 3.3 (KRA), 3.1 (KBA).

24	19 11 06.5	13.894 N	51.754 E	10 G	4.8	1.1	40	EASTERN GULF OF ADEN
24	19 16 13.47	53.98 N	160.28 E	33 N	4.9	0.9	9	NEAR EAST COAST OF KAMCHATKA
o 24	19 31 39.3	2.488 S	138.696 E	29 *	5.8 6.8	1.2	146	WEST IRAN. Ms 6.6 (BRK), 6.4 (PAS).
24	19 43 23.9	18.080 N	113.571 W	10 G	5.1	1.1	68	REVILLA GIGEDO ISLANDS REGION
24	20 45 53.3*	24.711 N	123.252 E	33 N	4.5	1.2	9	SOUTHWESTERN RYUKYU ISLANDS
24	21 38 05.5*	1.917 S	78.211 W	33 N	4.8	1.1	9	ECUADOR
24	22 10 47.1	24.876 N	122.927 E	33 N	4.8	0.8	22	TAIWAN REGION
24	22 13 15.9	43.248 N	18.863 E	9	4.1	1.2	67	YUGOSLAVIA. ML 4.1 (TTG), 4.0 (VKA).
24	22 33 41.3&	39.222 N	112.006 W	0			17	UTAH. <SLC-P>. ML 3.3 (SLC).
24	22 40 23.4&	39.236 N	112.009 W	1	4.7		47	UTAH. <SLC-P>. ML 4.4 (SLC). Felt (V) at Scipio, (IV) at Axtell, Fayette, Gunnison and Redmont, (III) at Centerfield, Ephraim, Fountain Green, Oak City and Salina.
24	22 55 34.0&	36.557 N	121.183 W	4			12	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
24	23 16 28.87	30.09 S	177.62 W	33 N	4.4	0.9	5	KERMADEC ISLANDS
24	23 20 01.4&	59.544 N	152.242 W	65			26	SOUTHERN ALASKA. <AGS-P>.
24	23 30 00.2*	24.770 N	123.238 E	33 N	4.3	0.9	6	SOUTHWESTERN RYUKYU ISLANDS
24	23 39 21.9*	17.581 N	101.131 W	33 N	3.6	1.1	12	NEAR COAST OF GUERRERO, MEXICO
24	23 59 31.3*	24.943 N	123.209 E	33 N	4.4	1.6	6	SOUTHWESTERN RYUKYU ISLANDS
25	00 20 08.1%	46.818 N	4.082 E	10 G		0.6	6	FRANCE. ML 2.3 (LDG).
25	00 53 18.5%	45.879 N	26.863 E	33 N		1.0	5	ROMANIA
25	01 32 32.4	26.722 N	54.816 E	33 N	4.9 5.4	1.0	88	SOUTHERN IRAN. Three house destroyed at Gezir. Felt in the Bandar-e Lengeh area.
o 25	01 41 34.6	38.354 N	25.145 E	4	5.2 5.5	1.1	181	AEGEAN SEA. ML 5.3 (ATH). Felt in the Athens area.
25	01 59 21.8*	38.483 N	25.286 E	10 G		1.2	13	AEGEAN SEA
25	02 09 28.0	38.346 N	25.198 E	10 G		0.5	7	AEGEAN SEA
25	02 21 03.57	37.90 N	25.24 E	10 G		1.2	5	DODECANESE ISLANDS. ML 3.2 (ATH).
25	02 49 06.3&	39.230 N	112.006 W	0			11	UTAH. <SLC-P>. ML 2.8 (SLC).
25	02 50 15.7*	23.492 N	143.232 E	33 N	4.4	1.1	20	VOLCANO ISLANDS REGION
25	02 53 01.2&	39.223 N	112.011 W	1	4.5		36	UTAH. <SLC-P>. ML 3.9 (SLC). Felt (V) at Redmont and Scipio, (IV) at Axtell, Fayette, Gunnison and Salina, (III) at Centerfield, Ephraim and Oak City.
25	03 22 17.97	37.22 N	26.82 E	10 G		1.0	5	DODECANESE ISLANDS
25	03 48 45.8	38.393 N	25.192 E	4		0.9	30	AEGEAN SEA. ML 3.6 (ATH).
25	04 00 43.3	37.262 N	139.423 E	144	5.3	0.8	204	HONSHU, JAPAN
25	04 54 17.57	33.74 S	72.18 W	33 N		0.3	10	OFF COAST OF CENTRAL CHILE
25	05 49 39.8&	62.517 N	151.178 W	90			26	CENTRAL ALASKA. <AGS-P>.
25	05 57 47.5*	45.634 N	14.262 E	10 G		1.3	10	YUGOSLAVIA. ML 3.6 (KBA), 3.2 (TRI). Felt (IV) at Rijeka.
25	07 07 45.37	21.40 S	174.73 W	33 N	4.9	1.4	14	TONGA ISLANDS
25	07 10 33.1	10.342 N	62.559 W	10 G	4.7	1.3	58	NEAR COAST OF VENEZUELA. Felt on northern Trinidad.
25	07 39 37.8	38.399 N	25.141 E	10 G	4.1	0.9	32	AEGEAN SEA. ML 3.9 (ATH).
25	07 43 41.27	53.49 N	161.69 E	33 N	4.8	1.3	9	OFF EAST COAST OF KAMCHATKA
o 25	08 00 05.9	22.061 S	176.665 W	192 D	5.1	1.2	95	SOUTH OF FIJI ISLANDS
25	08 38 35.2	49.158 N	6.685 E	11		1.1	20	GERMANY. ML 3.3 (LDG), MD 2.7 (MOF).
25	08 41 49.87	2.55 S	134.31 E	33 N	3.9	1.7	7	WEST IRAN REGION
25	09 05 56.0*	38.129 N	25.175 E	10 G		1.2	5	AEGEAN SEA. ML 3.2 (ATH).
25	09 33 02.37	39.111 N	27.609 E	10 G		0.7	5	TURKEY
25	09 35 44.6*	8.372 S	114.271 E	167 *	4.3	1.0	8	BALI ISLAND REGION
25	09 59 39.2*	38.297 N	25.147 E	10 G		0.9	6	AEGEAN SEA. ML 3.1 (ATH).
25	10 17 40.9	24.813 N	122.903 E	33 N	5.0	0.9	24	TAIWAN REGION
25	10 31 05.9%	16.741 N	98.646 W	33 N		1.4	6	NEAR COAST OF GUERRERO, MEXICO
25	10 44 05.5*	24.984 N	123.634 E	33 N	4.7	1.1	14	SOUTHWESTERN RYUKYU ISLANDS
25	11 25 02.0	39.918 N	53.865 E	33 N	4.9	1.2	32	TURKMEN SSR. Felt (IV) at Krasnovodsk and Nebit-Dag.
25	11 40 10.9&	62.796 N	150.498 W	90			49	CENTRAL ALASKA. <AGS-P>.
25	11 46 45.5*	27.267 N	102.840 E	33 N	4.5	1.4	14	SICHUAN PROVINCE, CHINA. ML 4.5 (KMI).
o 25	12 13 47.0	24.817 N	123.160 E	31	5.1 5.0	1.1	58	SOUTHWESTERN RYUKYU ISLANDS
25	13 00 27.9*	24.712 N	122.750 E	33 N	4.8	1.2	9	TAIWAN REGION
25	13 06 37.77	38.36 N	25.15 E	10 G		0.5	4	AEGEAN SEA. ML 3.3 (ATH).
25	13 13 19.4	23.414 N	143.265 E	33 N	4.8	0.9	63	VOLCANO ISLANDS REGION
25	13 42 27.6*	38.172 N	25.231 E	10 G		1.5	7	AEGEAN SEA. ML 3.1 (ATH).
25	15 01 38.5*	38.306 N	25.154 E	10 G		1.7	5	AEGEAN SEA. ML 3.1 (ATH).
25	15 03 57.07	38.26 N	25.21 E	10 G		1.3	4	AEGEAN SEA. ML 2.9 (ATH).
25	15 12 20.2	38.351 N	25.200 E	10 G	4.1	1.1	27	AEGEAN SEA. ML 3.6 (ATH).
25	15 30 28.77	38.19 N	25.21 E	10 G		1.9	4	AEGEAN SEA. ML 2.9 (ATH).
25	16 20 02.87	24.28 N	122.39 E	33 N	4.3	1.5	6	TAIWAN REGION
25	17 07 24.37	51.31 N	16.04 E	10 G		0.4	6	POLAND. ML 3.1 (KBA).
o 25	17 10 57.5	6.249 S	104.159 E	47 D	5.5 5.7	1.1	170	SUNDA STRAIT
25	18 15 52.1	10.396 S	161.230 E	96	5.2	0.9	78	SOLOMON ISLANDS
25	18 52 39.3*	6.663 S	129.116 E	196 ?		1.3	10	BANDA SEA
25	19 27 43.9	30.744 S	71.665 W	64 *	5.1	1.2	38	NEAR COAST OF CENTRAL CHILE
25	20 09 25.4	30.484 S	72.218 W	28	4.4	1.2	25	OFF COAST OF CENTRAL CHILE
25	20 37 54.0	41.982 N	20.308 E	10 G		0.8	15	ALBANIA. ML 3.0 (TTG).
25	21 22 52.5*	52.279 N	178.632 W	250 *	4.2	0.8	17	ANDREANOF ISLANDS, ALEUTIAN IS.
25	22 27 52.6*	27.968 N	140.490 E	33 N	4.7	1.6	9	BONIN ISLANDS REGION
25	22 31 37.57	22.40 S	179.87 W	557 *	4.5	1.1	23	SOUTH OF FIJI ISLANDS
25	22 49 36.1*	38.462 N	25.160 E	10 G		1.4	6	AEGEAN SEA. ML 3.1 (ATH).
25	23 49 34.4	40.336 N	63.658 E	33 N	5.2	0.9	153	UZBEK SSR. Felt (VI) at Gazli, (V) at Tamdy-Bulak, (IV) at Nura, (III) at Samarkand and (II) at Dzhizak, Dushanbe and Tashkent.
26	00 23 23.4*	26.124 N	124.531 E	224 *	4.7	1.1	24	NORTHEAST OF TAIWAN
26	01 00 45.1&	49.116 N	127.736 W	10 G	4.3		35	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.5 (PGC).
26	02 20 11.0*	20.402 S	68.987 W	160 *		1.5	13	CHILE-BOLIVIA BORDER REGION
26	03 26 49.77	38.28 N	25.25 E	10 G		0.1	4	AEGEAN SEA. ML 2.9 (ATH).
26	04 35 10.6*	31.255 S	69.530 W	33 N		0.8	6	SAN JUAN PROVINCE, ARGENTINA
26	05 30 53.6	54.152 N	168.232 W	33 N	4.6	0.9	39	FOX ISLANDS, ALEUTIAN ISLANDS
26	06 00 16.0&	59.956 N	152.222 W	62			33	SOUTHERN ALASKA. <AGS-P>.
o 26	07 04 51.8	34.022 S	72.005 W	49	5.0 5.1	1.0	93	NEAR COAST OF CENTRAL CHILE. Felt (III) in the Santiago area.
26	07 22 38.57	33.90 S	71.65 W	27 *		0.9	10	NEAR COAST OF CENTRAL CHILE
26	07 43 44.4*	24.836 N	123.190 E	33 N	4.8	1.3	12	SOUTHWESTERN RYUKYU ISLANDS
26	07 50 42.3%	60.300 N	6.055 E	10 G		0.1	6	SOUTHERN NORWAY. MD 2.5 (BER).
26	08 53 54.1	41.705 N	14.987 E	10 G	3.9	0.8	37	SOUTHERN ITALY. ML 4.4 (LDG), 4.2 (TRI).

26	10 37	5*	35 050 N	48.041 E	33 N	4.3	1.3	6	WESTERN IRAN
26	11 22 55	0*	38.353 N	25.091 E	10 G	3.9	1.0	10	AEGEAN SEA. ML 3.6 (ATH).
26	11 35 43.57		33.84 S	71.79 W	10 G		0.6	10	NEAR COAST OF CENTRAL CHILE
26	13 42 34.3		37.401 N	143.036 E	33 N	4.8	0.7	25	OFF EAST COAST OF HONSHU, JAPAN
26	14 18 19.57		39.504 N	29.381 E	10 G		0.5	5	TURKEY
a	26	14 26 19.4	14.265 S	167.296 E	202 D	5.0	1.0	76	VANUATU ISLANDS
26	15 18 09.2*		35.860 N	53.685 E	33 N	4.6	0.7	9	IRAN
26	16 03 17.3		38.390 N	25.186 E	10 G		0.8	13	AEGEAN SEA. ML 3.5 (ATH).
26	16 07 47.8*		38.322 N	25.177 E	10 G		0.8	6	AEGEAN SEA. ML 3.2 (ATH).
26	16 10 52.2*		38.360 N	25.155 E	10 G		1.1	6	AEGEAN SEA. ML 3.2 (ATH).
26	16 36 23.98		37.245 N	80.494 W	12			12	WEST VIRGINIA. <BLA>. MD 2.9 (BLA). Felt (IV) at Blacksburg, Virginia and (III) at Eggleston and Newport, Virginia.
26	17 20 35.3		24.712 N	122.845 E	32 *	5.0 4.7	0.9	43	TAIWAN REGION
26	17 39 16.9		2.573 S	138.622 E	33 N	4.2	1.0	15	WEST IRIAN
26	20 03 33.9		43.390 N	126.878 W	10 G	4.5	1.2	42	OFF COAST OF OREGON
26	20 23 21.0		44.575 N	148.374 E	33 N	5.2	0.9	59	KURIL ISLANDS
a	26	21 49 57.2	56.366 S	26.571 W	111 D	5.7	1.0	98	SOUTH SANDWICH ISLANDS REGION
f	26	22 06 57.6	7.125 S	71.638 W	609 D	5.8	0.9	346	WESTERN BRAZIL. mb 5.4 (PAS).
26	22 19 33.87		39.685 N	27.973 E	10 G		1.6	7	TURKEY
27	00 32 52.8*		24.688 N	122.997 E	33 N	4.4	0.6	8	TAIWAN REGION
27	00 39 02.27		41.22 N	24.77 E	10 G		1.8	5	GREECE-BULGARIA BORDER REGION
27	01 08 52.97		40.277 N	29.729 E	10 G		1.1	5	TURKEY
27	01 14 18.8		24.817 N	123.292 E	33 N	4.4	0.6	7	SOUTHWESTERN RYUKYU ISLANDS
27	01 17 06.0*		41.760 N	19.466 E	10 G		1.4	8	ALBANIA. ML 2.6 (TTG).
27	04 04 55.0*		3.934 N	76.138 W	138 *	4.3	1.4	19	COLOMBIA. Felt at Armenia, Manizales and Pereira.
27	04 18 50.27		51.54 N	16.77 E	10 G		0.8	7	POLAND. ML 3.1 (VKA).
27	06 05 33.2		3.521 N	76.454 W	146	4.6	1.2	41	COLOMBIA
27	07 25 23.2		42.349 N	19.976 E	10 G		0.7	7	YUGOSLAVIA. MD 2.7 (PVY).
27	07 25 25.3		45.099 N	14.745 E	10 G		1.0	40	YUGOSLAVIA. ML 3.9 (KBA), 3.8 (VKA). MD 3.7 (FIR), 3.7 (TRI). Felt (V) at Novi Vinodolski. Felt at Karlovac, Ogulin and Rijeka.
27	07 26 39.2*		5.138 N	82.591 W	10 G	4.3 4.1	1.1	11	SOUTH OF PANAMA
27	07 43 09.6		45.099 N	14.773 E	15		1.1	48	YUGOSLAVIA. ML 4.1 (TTG), 4.1 (VKA), 4.0 (KBA), 4.0 (LDG). MD 3.8 (TRI). Felt at Karlovac, Ogulin and Rijeka.
27	08 07 11.47		39.819 N	28.724 E	10 G		0.8	5	TURKEY
27	08 14 40.47		39.275 N	29.190 E	10 G		1.5	6	TURKEY
27	08 16 36.77		31.47 S	69.03 W	129 ?		0.8	8	SAN JUAN PROVINCE, ARGENTINA
27	09 19 43.6*		28.758 N	111.293 W	10 G	4.4	1.3	11	GULF OF CALIFORNIA
27	11 41 56.1*		30.106 N	57.904 E	33 N	4.6	1.0	8	IRAN
a	27	11 58 19.4	14.456 S	178.041 W	33 N	5.7 5.9	1.0	211	FILIPIN ISLANDS REGION. Ms 6.0 (BRK), 5.7 (PAS).
27	12 10 12.78		48.266 N	121.733 W	2			5	WASHINGTON. <SEA>. ML 2.8 (NEIS), CL 2.9 (SEA). Felt at Darrington and Fortson.
27	12 38 22.77		31.24 S	68.12 W	109 ?		1.0	7	SAN JUAN PROVINCE, ARGENTINA
27	13 08 38.8		16.311 N	120.035 E	80	5.1	0.9	47	LUZON, PHILIPPINE ISLANDS
27	13 19 23.9*		19.722 S	69.883 W	120 *	4.6	1.4	10	NORTHERN CHILE
27	13 37 45.0		25.499 S	13.802 W	10 G	5.0 5.0	1.0	64	SOUTH ATLANTIC RIDGE
27	13 48 31.07		4.64 S	134.26 E	33 N	4.1	1.3	5	WEST IRIAN REGION
27	16 16 12.3*		7.088 S	129.559 E	168 ?	4.1	1.4	8	BANDA SEA
27	16 46 27.7*		35.451 N	140.262 E	33 N		0.1	6	NEAR EAST COAST OF HONSHU, JAPAN
27	19 51 50.0*		20.209 N	122.060 E	33 N	4.4	1.5	17	PHILIPPINE ISLANDS REGION
27	20 51 28.4*		33.087 S	70.299 W	112 ?		0.3	12	CHILE-ARGENTINA BORDER REGION
27	20 56 49.37		40.115 N	29.314 E	10 G		0.8	11	TURKEY
27	21 25 16.48		37.262 N	121.658 W	5 G			17	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Ma=1.8+10**20 (BRK).
27	21 42 40.5		42.056 N	26.154 E	10 G	3.7	0.6	10	BULGARIA
27	21 46 47.17		35.42 N	1.52 E	10 G		1.1	6	ALGERIA
27	22 42 36.67		53.78 N	148.48 W	33 N	4.5	1.2	10	SOUTH OF ALASKA
27	23 01 38.5		23.181 S	66.625 W	216	4.6	1.1	56	JUJUY PROVINCE, ARGENTINA
27	23 46 41.7*		24.737 N	122.849 E	33 N	4.3	1.0	7	TAIWAN REGION
27	23 55 18.37		40.166 N	29.648 E	10 G		0.7	8	TURKEY
28	01 59 17.6*		24.899 N	123.034 E	33 N	4.9	1.4	8	SOUTHWESTERN RYUKYU ISLANDS
28	02 11 12.5*		16.489 S	28.610 E	10 G		0.9	5	ZAMBIA. MG 2.8 (BUL).
28	02 56 23.2		36.386 N	6.708 E	10 G	4.5	1.3	16	ALGERIA. Felt at Constantine.
o	28	02 56 26.8	23.122 S	178.702 W	383 D	5.3	1.1	181	SOUTH OF FIJI ISLANDS
28	02 57 25.9*		61.039 N	2.352 E	12		1.5	25	NORWEGIAN SEA. MD 3.4 (BER).
28	03 48 34.78		48.258 N	121.740 W	2			6	WASHINGTON. <SEA>. ML 3.1 (NEIS), CL 3.1 (SEA). Felt at Darrington.
28	04 02 28.0*		24.703 N	122.703 E	33 N	4.4	1.3	7	TAIWAN REGION
28	04 12 46.78		48.260 N	121.734 W	2			8	WASHINGTON. <SEA>. ML 3.6 (NEIS), CL 3.6 (SEA). Felt (IV) at Darrington.
28	04 26 27.87		20.59 S	174.66 W	160 ?	4.5	1.3	12	TONGA ISLANDS
28	04 27 14.8*		24.897 N	123.360 E	33 N	4.6	0.9	6	SOUTHWESTERN RYUKYU ISLANDS
28	05 01 00.4*		2.437 S	138.821 E	33 N	4.3	1.0	11	WEST IRIAN
28	06 32 31.27		39.251 N	27.679 E	10 G		0.5	7	TURKEY
28	08 36 05.57		43.76 N	19.54 E	10 G		0.5	5	YUGOSLAVIA. ML 2.8 (TTG).
28	09 31 42.5*		24.340 S	67.225 W	198 *		1.1	8	CHILE-ARGENTINA BORDER REGION
28	12 29 02.47		16.67 S	36.06 E	10 G		0.6	5	MOZAMBIQUE. MG 3.3 (BUL).
28	13 30 27.67		51.17 N	19.90 E	10 G		1.5	6	POLAND. ML 2.9 (KRA).
28	13 42 47.97		51.39 N	15.96 E	10 G		1.0	7	POLAND. ML 3.5 (VKA).
28	13 49 15.5		40.440 N	23.728 E	9	3.4	1.0	22	GREECE. ML 3.7 (ATH).
28	14 56 26.5*		35.803 N	138.680 E	178	4.4	1.1	18	HONSHU, JAPAN
28	14 58 20.1		43.084 N	0.579 W	10 G		0.3	8	PYRENEES
28	15 24 51.87		33.89 S	72.14 W	10 G		0.3	9	OFF COAST OF CENTRAL CHILE
a	28	16 03 05.9	5.956 S	149.604 E	88	5.6	1.1	169	NEW BRITAIN REGION
28	16 14 18.87		39.364 N	27.729 E	10 G		1.3	10	TURKEY
28	17 46 58.1*		53.433 N	161.497 E	33 N	4.9	1.1	36	OFF EAST COAST OF KAMCHATKA
28	18 02 20.0		9.089 S	118.797 E	104 *	5.0	1.4	44	SUMBAWA ISLAND REGION
28	18 05 46.77		30.80 N	79.17 E	33 N	4.2	1.3	7	TIBET-INDIA BORDER REGION
o	28	18 24 10.6	48.842 N	154.803 E	89 D	5.2	1.0	180	KURIL ISLANDS
28	18 24 17.27		21.62 S	66.83 W	257 *		0.5	6	SOUTHERN BOLIVIA
28	18 45 28.7		30.143 S	69.325 W	26		1.3	17	CHILE-ARGENTINA BORDER REGION

19	00	40.2%	44.270 N	6.804 E	10 G	0.8	6	FRANCE. ML 2.9 (LDG).	
21	19	22.9	1.538 S	78.063 W	164 D	4.9	0.8	81 ECUADOR	
21	40	48.9%	57.923 N	153.976 W	105		23	KODIAK ISLAND REGION. <AGS-P>.	
21	50	44.1	38.411 N	25.148 E	10 G	3.9	1.0	28 AEGEAN SEA. ML 3.9 (ATH).	
22	32	42.7	38.414 N	25.161 E	10	4.2	0.7	36 AEGEAN SEA. ML 4.0 (ATH).	
22	37	26.8	38.262 N	25.194 E	10 G		1.0	7 AEGEAN SEA. ML 3.1 (ATH).	
23	19	04.0	38.371 N	25.257 E	10 G		1.2	14 AEGEAN SEA. ML 3.3 (ATH).	
23	48	00.9%	39.464 N	27.324 E	10 G		0.2	5 TURKEY	
23	57	46.2%	24.782 N	123.150 E	33 N	4.4	1.2	8 SOUTHWESTERN RYUKYU ISLANDS	
29	00	56	14.6%	39.424 N	27.313 E	10 G	0.8	7 TURKEY	
29	01	35	55.3%	39.225 N	29.524 E	10 G	1.5	7 TURKEY	
29	01	56	51.3%	7.534 S	128.073 E	129 ?	4.6	1.2	14 BANDA SEA
29	02	06	45.9	19.265 S	67.493 W	213	5.3	1.0	108 SOUTHERN BOLIVIA
29	02	56	09.0	38.353 N	25.186 E	11	3.8	0.9	11 AEGEAN SEA. ML 3.4 (ATH).
29	02	58	46.1	37.778 N	142.524 E	33 N	4.6	1.0	33 OFF EAST COAST OF HONSHU, JAPAN
29	03	08	29.3%	14.139 N	90.595 W	160		0.8	23 GUATEMALA
29	03	09	33.1%	29.80 N	142.28 E	33 N	4.3	1.0	6 SOUTH OF HONSHU, JAPAN
29	03	42	12.1	8.870 N	126.053 E	47 *	4.8	1.3	38 MINDANAO, PHILIPPINE ISLANDS
29	04	14	30.3%	61.791 N	150.407 W	65		34	SOUTHERN ALASKA. <AGS-P>.
29	05	12	41.2%	5.182 N	125.357 E	214 *	4.7	1.4	26 MINDANAO, PHILIPPINE ISLANDS
29	05	19	06.6%	24.760 N	122.883 E	33 N	3.8	1.4	8 TAIWAN REGION
29	06	25	29.7%	18.264 S	26.291 E	10 G	4.1	1.4	9 ZIMBABWE. Felt at Hwange.
29	06	42	58.8%	4.84 S	133.64 E	33 N	4.1	1.0	5 WEST IRIAN REGION
29	06	43	11.5%	39.567 N	29.863 E	10 G		0.8	9 TURKEY
29	06	44	47.5%	26.076 N	98.940 E	33 N	4.4	0.4	5 BURMA-CHINA BORDER REGION. ML 4.3 (KMI).
29	07	28	52.6%	59.961 N	150.333 W	55		38	KENAI PENINSULA, ALASKA. <AGS-P>.
29	08	19	21.9%	38.092 N	27.147 E	10 G		1.1	9 TURKEY
29	08	58	22.0%	39.315 N	28.959 E	10 G		1.2	8 TURKEY
29	09	27	45.3%	24.774 N	122.922 E	33 N	4.4	1.1	6 TAIWAN REGION
29	09	48	55.0	4.590 N	75.626 W	158	5.0	1.0	86 COLOMBIA. Felt at Armenia, Ibaque and Manizales.
29	10	00	33.3%	41.73 N	19.49 E	10 G		1.0	8 ALBANIA. ML 3.3 (HCY).
29	11	50	46.2	28.404 N	140.546 E	33 N	4.8	1.0	33 BONIN ISLANDS REGION
29	13	06	25.7%	31.997 N	116.265 W	8 G			3 BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
29	13	09	24.0%	48.260 N	121.734 W	2		5	WASHINGTON. <SEA>. ML 3.1 (NEIS), CL 3.3 (SEA). Felt at Darrington.
29	13	09	32.0%	31.993 N	116.262 W	8 G		3	BAJA CALIFORNIA. <ECX-P>. MD 2.5 (ECX).
29	13	12	41.6%	40.104 N	29.917 E	10 G		1.1	11 TURKEY
29	13	22	57.9%	45.143 N	147.288 E	127 G	4.3	1.3	16 KURIL ISLANDS
29	13	25	48.1%	24.979 N	123.250 E	33 N	4.4	1.4	7 SOUTHWESTERN RYUKYU ISLANDS
29	13	36	59.4	38.431 N	25.160 E	10 G		0.9	11 AEGEAN SEA. ML 3.7 (ATH).
29	14	17	59.3	17.929 S	178.586 W	604	5.4	0.9	147 FIJI ISLANDS REGION
29	14	53	22.0%	38.425 N	25.113 E	10 G		1.9	5 AEGEAN SEA. ML 3.0 (ATH).
29	15	05	44.5	17.704 S	174.602 W	33 N	5.4 5.5	1.1	150 TONGA ISLANDS. Ms 5.6 (BRK), 5.6 (PAS).
29	16	02	00.2%	30.63 S	71.31 W	33 N		0.5	5 NEAR COAST OF CENTRAL CHILE
29	16	24	04.2%	37.877 N	122.203 W	9		39	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Mo=2.5*10**22 (BRK). Small items knocked from shelves in parts of Berkeley, broken display window at El Cerrito. Felt (V) at Albany, Alameda Naval Air Station, Concord, Martinez and Pleasant Hill. Felt (IV) at Alameda, Berkeley, Canyon, Danville, Diablo, El Cerrito, Hayward, Lafayette, Moraga, Oakland, Pacheco, Pinole, Port Costa, Richmond, Rodeo, Ross, San Leandro and San Pablo.
29	17	07	38.4%	34.23 N	70.39 E	33 N	3.6	0.1	5 AFGHANISTAN
29	17	37	07.2%	40.051 N	29.145 E	10 G		1.1	6 TURKEY
29	18	36	37.8	38.377 N	25.165 E	10 G	5.0 5.6	1.2	202 AEGEAN SEA. ML 5.3 (ATH). Felt on Khios and Evvoia and at Athens.
29	18	47	00.8%	38.278 N	25.284 E	10 G		1.5	6 AEGEAN SEA. ML 3.4 (ATH).
29	19	22	28.7	38.395 N	25.120 E	15	4.0	1.0	29 AEGEAN SEA. ML 4.0 (ATH).
29	20	27	17.3%	38.301 N	25.280 E	10 G		1.8	5 AEGEAN SEA. ML 3.0 (ATH).
29	20	45	09.1%	38.353 N	25.228 E	10 G		1.4	5 AEGEAN SEA. ML 3.0 (ATH).
29	20	56	57.1	38.475 N	25.126 E	13	3.5	1.2	33 AEGEAN SEA. ML 3.7 (ATH).
29	21	01	49.2	38.447 N	25.184 E	13		1.2	18 AEGEAN SEA. ML 3.6 (ATH).
29	21	15	07.0%	59.103 N	152.486 W	83		28	SOUTHERN ALASKA. <AGS-P>.
29	22	06	39.2%	38.539 N	24.971 E	10 G		0.2	5 AEGEAN SEA. ML 3.2 (ATH).
29	22	27	54.0	38.350 N	25.224 E	10 G	3.5	1.1	15 AEGEAN SEA. ML 3.4 (ATH).
29	22	36	45.0%	31.88 S	69.86 W	33 N		0.7	5 SAN JUAN PROVINCE, ARGENTINA
29	23	07	14.6%	26.954 N	140.023 E	554 ?	4.6	0.6	15 BONIN ISLANDS REGION
29	23	22	57.1%	46.54 N	1.79 W	10 G		1.3	5 FRANCE. ML 2.7 (LDG).
29	23	37	29.6	38.502 N	25.132 E	10 G		1.2	17 AEGEAN SEA. ML 3.5 (ATH).
30	00	23	06.8%	38.614 N	24.937 E	10 G		1.0	5 AEGEAN SEA. ML 3.0 (ATH).
30	02	47	15.6	31.840 S	67.754 W	10 G		1.2	10 SAN JUAN PROVINCE, ARGENTINA
30	03	56	13.1	24.813 N	122.896 E	33 N	5.0	1.1	21 TAIWAN REGION
30	04	08	08.6%	0.89 S	127.07 E	50 G	3.9	1.5	7 HALMAHERA
30	04	16	42.2%	40.083 N	29.337 E	10 G		0.4	9 TURKEY
30	05	28	39.3	0.913 S	127.027 E	40 *	5.3	1.2	73 HALMAHERA
30	06	25	44.2%	39.948 N	28.014 E	10 G		1.3	13 TURKEY
30	08	17	57.2%	60.599 N	151.855 W	67		34	KENAI PENINSULA, ALASKA. <AGS-P>.
30	08	53	53.2	26.194 S	132.767 E	10 G	5.8 5.8	1.0	193 SOUTH AUSTRALIA. Ms 6.3 (PAS). Felt (VI). At least 7.5 km of surface faulting with maximum displacement 0.6 m observed in the Marryat Creek area.
30	09	36	29.7%	28.210 N	140.800 E	33 N	4.7	0.2	7 BONIN ISLANDS REGION
30	09	49	11.6%	33.84 S	71.94 W	20		0.5	9 NEAR COAST OF CENTRAL CHILE
30	10	08	06.7%	33.646 S	71.511 W	10 G		1.0	10 NEAR COAST OF CENTRAL CHILE
30	11	01	30.0	38.363 N	25.099 E	10 G	3.7	0.9	29 AEGEAN SEA. ML 3.8 (ATH).
30	11	25	44.2%	47.354 N	0.142 E	10 G		0.2	5 FRANCE. ML 2.2 (LDG).
30	11	40	24.8	38.464 N	25.109 E	10 G	3.6	1.1	21 AEGEAN SEA. ML 3.7 (ATH).
30	11	51	27.8%	5.029 N	126.149 E	143 *	4.4	1.3	10 MINDANAO, PHILIPPINE ISLANDS
30	12	10	42.9	42.358 N	20.000 E	10 G		0.7	8 YUGOSLAVIA. ML 2.9 (TTG).
30	12	24	10.7%	34.08 S	72.42 W	33 N		0.7	10 NEAR COAST OF CENTRAL CHILE
30	13	11	24.9%	15.90 N	60.80 W	33 N		0.2	6 LEEWARD ISLANDS. ML 2.7 (FDF).
30	13	36	14.8%	10.824 S	112.256 E	33 N	4.5	1.4	15 SOUTH OF JAVA
30	14	28	45.5%	34.14 S	72.61 W	33 N		0.9	16 NEAR COAST OF CENTRAL CHILE

30	15	38	56.7?	16.49	N	93.76	W	33	N	1.0	5	CHIAPAS, MEXICO
30	17	04	49.6*	33.990	S	72.380	W	22		1.1	19	OFF COAST OF CENTRAL CHILE
30	17	14	24.1?	31.38	S	68.23	W	100	G	0.7	6	SAN JUAN PROVINCE, ARGENTINA
30	18	03	31.5	5.098	S	131.746	E	71	5.4	1.1	86	BANDA SEA
30	18	13	29.3	51.537	N	179.940	W	33	N 4.8	0.8	25	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adok.
30	18	31	13.6	42.315	N	20.143	E	10	G	1.1	8	YUGOSLAVIA. ML 2.6 (TTG).
30	20	31	05.3	38.984	N	44.632	E	33	N 4.4	1.1	15	TURKEY-IRAN BORDER REGION
30	21	12	31.9%	45.814	N	26.679	E	94	?	0.9	8	ROMANIA
30	22	03	58.2*	38.378	N	25.137	E	10	G	0.9	6	AEGEAN SEA. ML 3.3 (ATH).
30	22	49	53.9?	5.25	S	34.78	E	10	G	1.2	5	TANZANIA
30	23	02	15.9*	38.366	N	25.172	E	10	G	1.2	6	AEGEAN SEA. ML 3.1 (ATH).
31	00	49	02.7?	45.78	N	26.58	E	156	?	0.7	8	ROMANIA
31	01	09	03.9*	24.770	N	122.810	E	33	N 4.6	1.2	11	TAIWAN REGION
31	01	14	03.9?	2.60	S	137.65	E	33	N 4.8	1.5	8	WEST IRIAN
31	01	19	23.9	6.806	N	73.046	W	160	D 5.0	1.0	117	NORTHERN COLOMBIA. Felt in central and northwestern Colombia.
31	01	45	03.8?	38.38	N	25.12	E	10	G	1.5	4	AEGEAN SEA. ML 3.3 (ATH).
31	01	51	51.8	39.497	N	23.033	E	10	G 3.4	1.4	11	AEGEAN SEA. ML 3.5 (ATH).
31	01	59	18.7*	14.541	S	76.689	W	33	N 4.3	1.3	10	NEAR COAST OF PERU. Felt (II) at Ico.
31	02	05	43.3	38.415	N	25.117	E	22	4.3	0.9	42	AEGEAN SEA. ML 4.2 (ATH).
31	02	45	05.0%	36.691	N	27.608	E	10	G	0.5	10	DODECANESE ISLANDS
31	03	04	54.5*	38.314	N	25.217	E	10	G	1.5	5	AEGEAN SEA. ML 3.1 (ATH).
31	03	08	40.8%	60.841	N	4.870	E	10	G	1.1	5	SOUTHERN NORWAY. MD 2.2 (BER).
31	03	22	18.0	28.352	S	12.798	W	10	G 4.9 4.5	1.2	38	SOUTH ATLANTIC RIDGE
31	04	04	59.6	37.466	N	121.709	W	10	G	0.9	12	CENTRAL CALIFORNIA. ML 2.5 (BRK). Mo=1.7*10**20 (BRK).
31	04	14	13.3%	58.307	N	154.185	W	74			29	ALASKA PENINSULA. <AGS-P>.
31	04	23	34.6%	59.143	N	152.572	W	64			25	SOUTHERN ALASKA. <AGS-P>.
31	04	26	33.8?	43.27	N	26.29	E	10	G	1.6	5	BULGARIA
31	05	08	53.3	38.408	N	25.179	E	10	G 3.8	0.9	30	AEGEAN SEA. ML 4.0 (ATH).
31	06	43	23.6?	14.65	N	60.65	W	143	?	0.3	10	WINDWARD ISLANDS
31	07	08	50.0	17.226	S	167.390	E	33	N 5.0	1.1	23	VANUATU ISLANDS
31	07	45	56.9*	17.131	S	167.564	E	33	N 4.4	1.4	8	VANUATU ISLANDS
31	09	30	26.5	13.079	N	91.085	W	33	N 4.4	1.0	25	NEAR COAST OF GUATEMALA
31	09	31	58.9%	61.751	N	151.954	W	111			37	SOUTHERN ALASKA. <AGS-P>.
31	09	52	54.3%	38.988	N	27.575	E	10	G	1.2	5	TURKEY
31	10	02	40.8?	17.32	S	167.81	E	74	* 4.3	0.3	6	VANUATU ISLANDS
31	10	40	06.2*	42.313	N	18.924	E	10	G	0.2	5	YUGOSLAVIA. ML 2.2 (TTG).
31	10	48	16.4	46.193	N	2.867	E	10	G	0.2	11	FRANCE. ML 2.9 (LDG).
31	11	09	08.2	42.302	N	18.898	E	10	G	1.0	6	YUGOSLAVIA. ML 2.5 (TTG).
o 31	11	55	40.0%	37.483	N	121.690	W	8	5.5 5.5		196	CENTRAL CALIFORNIA. <BRK>. ML 5.7 (BRK). Mo=2.6*10**24 (BRK). Six people were treated for minor injuries. Slight damage (VI) in the Fremont area and power outages in parts of Fremont and San Jose. Felt (V) at many cities in the southern San Francisco Bay area including Alameda, Cupertino, Milpitas, Mountain View, Palo Alto, Pleasanton, Redwood City, San Jose, San Leandro, Santa Clara, Sunnyvale and Union City. Felt throughout much of central California from Santa Rosa to San Luis Obispo and east to Yosemite National Park.
31	11	58	39.0%	37.483	N	121.683	W	8	G		3	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Most readings lost in coda, assumed location of main shock.
31	12	03	18.3	37.461	N	121.730	W	8	G	0.1	7	CENTRAL CALIFORNIA. ML 2.5 (BRK). Mo=1.4*10**20 (BRK).
31	12	03	45.7	37.498	N	121.717	W	8	G	0.2	7	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=2.7*10**20 (BRK).
31	12	17	48.4%	37.507	N	121.688	W	8			15	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=4.2*10**20 (BRK).
31	12	36	50.5*	37.500	S	94.278	W	10	G 4.4	0.9	11	WEST CHILE RISE
31	12	39	24.0%	37.465	N	121.700	W	8			15	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=7.8*10**20 (BRK).
31	13	01	19.0	5.059	S	151.851	E	126	5.3	0.9	45	NEW BRITAIN REGION
31	13	05	38.2%	37.513	N	121.688	W	7			18	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=3.9*10**21 (BRK).
31	13	39	13.9	37.454	N	121.698	W	8	G	0.9	13	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=2.4*10**20 (BRK).
31	14	20	14.6%	37.470	N	121.697	W	8			16	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=4.6*10**20 (BRK).
31	14	35	49.7*	3.117	S	129.155	E	82	* 4.9	1.2	21	CERAM
31	14	41	42.4*	24.323	S	68.113	W	162	*	0.4	9	CHILE-ARGENTINA BORDER REGION
31	15	17	17.0	37.493	N	121.670	W	8	G	0.4	11	CENTRAL CALIFORNIA. ML 2.5 (BRK). Mo=5.9*10**19 (BRK).
31	15	19	26.6	12.192	N	143.697	E	29	5.2	1.0	29	SOUTH OF MARIANA ISLANDS
31	15	24	33.3*	24.147	S	178.539	W	402	* 4.6	1.1	18	SOUTH OF FIJI ISLANDS
31	15	25	10.8	37.492	N	121.687	W	8	G	0.5	12	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=3.6*10**20 (BRK).
31	16	18	13.0	37.470	N	121.694	W	8	G	0.7	13	CENTRAL CALIFORNIA. ML 2.7 (BRK). Mo=1.3*10**20 (BRK).
31	16	30	44.1*	35.299	N	136.940	E	313	3.8	0.6	14	SOUTHERN HONSHU, JAPAN
31	17	12	38.6	37.474	N	121.697	W	8	G	0.7	12	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=1.1*10**20 (BRK).
31	17	51	35.3	31.323	S	67.985	W	10	G	0.4	8	SAN JUAN PROVINCE, ARGENTINA
31	18	10	57.3%	15.488	N	61.340	W	113	?	0.4	10	LEEWARD ISLANDS
31	18	15	18.9*	44.079	N	128.319	W	10	G 3.9	0.7	8	OFF COAST OF OREGON
31	19	41	15.3	37.481	N	121.689	W	8	G	0.5	12	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=1.0*10**20 (BRK).
31	20	39	44.3	7.973	S	74.359	W	154	D 4.9	0.8	67	PERU-BRAZIL BORDER REGION
31	21	01	16.3	34.094	N	61.247	W	10	G 4.7	1.3	40	NORTH ATLANTIC OCEAN
31	21	11	58.6%	48.339	N	1.472	W	10	G	0.6	5	FRANCE. ML 2.9 (LDG).
31	21	21	53.4	37.450	N	121.694	W	8	G	0.5	12	CENTRAL CALIFORNIA. ML 2.6 (BRK). Mo=6.5*10**19 (BRK).
31	21	30	08.6	37.477	N	121.683	W	8	G	0.9	14	CENTRAL CALIFORNIA. ML 2.8 (BRK). Mo=4.5*10**20 (BRK).
31	21	54	05.7	38.594	N	73.520	E	33	N 5.1	0.9	93	TAJIK-XINJIANG BORDER REGION. Felt (III) at Murgob, USSR.
31	22	46	21.9*	40.231	N	124.160	W	10	G	0.1	6	NEAR COAST OF NORTHERN CALIF. ML 2.6 (BRK).
31	23	18	53.1?	15.46	S	34.46	E	10	G	1.3	4	MALAWI. MG 3.9 (BUL). Felt at Bvumbwe.
31	23	36	39.3	42.339	N	19.852	E	10	G	0.7	8	YUGOSLAVIA. ML 2.5 (TTG).
31	23	44	31.3	34.641	N	24.618	E	42	* 4.3	1.1	69	CRETE. ML 4.2 (ATH).
31	23	57	01.1	21.113	S	69.221	W	117	* 4.6	1.3	21	NORTHERN CHILE
31	23	57	47.7%	40.489	N	27.514	E	10	G	0.4	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

01 08 47 42.05 62.687S 155.111E 10km
4.9mb (5 obs.) 5.1MsZ (2 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 36C
Centroid Location:
Origin Time 08:47:51.2 0.2
Lat 62.51S 0.03 Lon 155.02E 0.06
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**24 D-CM
T Vol= 6.25 Plg= 2 Azm=196
N -0.19 68 101
P -6.06 22 287
Best Double Couple:Mo=6.2*10**24
NP1:Strike=330 Dip=73 Slip=-15
NP2: 64 76 -162

01 16 41 40.64 6.300S 130.949E 80km
5.6mb (29 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 34C
Centroid Location:
Origin Time 16:41:45.1 0.3
Lat 6.51S 0.04 Lon 130.82E 0.04
Dep 104.6 1.9 Half-duration 2.3
Principal Axes:
Scale 10**24 D-CM
T Vol= 2.61 Plg=23 Azm=241
N 0.03 66 51
P -2.64 4 149
Best Double Couple:Mo=2.6*10**24
NP1:Strike=283 Dip=71 Slip= 166
NP2: 17 76 20

02 03 14 41.81 51.678N 156.936E 118km
5.6mb (81 obs.)
KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 38C
Centroid Location:
Origin Time 03:14:46.5 0.3
Lat 51.54N 0.03 Lon 157.26E 0.06
Dep 126.3 1.5 Half-duration 2.5
Principal Axes:
Scale 10**24 D-CM
T Vol= 3.39 Plg=23 Azm=105
N -0.01 11 200
P -3.38 64 314
Best Double Couple:Mo=3.4*10**24
NP1:Strike=175 Dip=24 Slip=-117
NP2: 24 69 -78

02 05 40 12.11 50.789N 179.176E 33km
5.4mb (77 obs.) 5.3MsZ (20 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 35C
Centroid Location:
Origin Time 05:40:14.0 0.2
Lat 50.78N 0.03 Lon 179.00E 0.04
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Vol= 4.49 Plg=14 Azm= 15
N -0.04 75 221
P -4.45 6 107
Best Double Couple:Mo=4.5*10**24
NP1:Strike=152 Dip=76 Slip= 5
NP2: 60 85 166

02 07 09 27.45 38.471N 142.296E 39km
5.6mb (87 obs.) 5.7MsZ (11 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 07:09:31.3 0.2
Lat 38.47N 0.04 Lon 142.00E 0.06
Dep 30.0 2.6 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Vol= 6.66 Plg=47 Azm= 14
N -0.20 14 269

P -6.46 40 167
Best Double Couple:Mo=6.6*10**24
NP1:Strike=194 Dip=14 Slip= 15
NP2: 89 86 104

03 01 24 05.46 41.967N 20.292E 19km
5.0mb (32 obs.) 5.0MsZ (1 obs.)
ALBANIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 16C
Centroid Location:
Origin Time 01:24: 5.7 1.2
Lat 42.04N 0.13 Lon 19.75E 0.24
Dep 23.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**23 D-CM
T Vol= 2.49 Plg=13 Azm= 31
N 1.48 22 126
P -3.97 64 273
Best Double Couple:Mo=3.2*10**23
NP1:Strike= 94 Dip=38 Slip=-128
NP2: 319 61 -65

04 08 47 14.60 51.553N 166.943W 33km
5.6mb (87 obs.) 4.6MsZ (7 obs.)
ALEUTIAN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 08:47:12.0 0.5
Lat 51.42N 0.05 Lon 167.21W 0.10
Dep 37.9 3.4 Half-duration 1.8
Principal Axes:
Scale 10**24 D-CM
T Vol= 1.78 Plg= 3 Azm=331
N -0.41 10 241
P -1.38 80 78
Best Double Couple:Mo=1.6*10**24
NP1:Strike= 72 Dip=43 Slip= -76
NP2: 232 49 -103

05 08 25 08.77 26.565S 178.285E 613km
5.3mb (43 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 08:25:16.1 0.8
Lat 26.44S 0.07 Lon 178.16E 0.07
Dep 634.9 3.7 Half-duration 1.8
Principal Axes:
Scale 10**23 D-CM
T Vol= 13.61 Plg=58 Azm= 73
N 1.94 28 222
P -15.54 14 320
Best Double Couple:Mo=1.5*10**24
NP1:Strike= 82 Dip=40 Slip= 137
NP2: 207 64 59

05 15 47 06.80 18.813S 169.605E 287km
5.6mb (57 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=170 Dip=69 Slip= 28
NP2: 69 64 157
Principal Axes:
T Plg=34 Azm= 31
P 3 299
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 309 No. of sta: 7
Principal Axes:
Scale 10**25 d-cm
T Vol= 1.18 Plg=16 Azm= 40
N 0.02 74 221
P -1.20 0 130
Best Double Couple:Mo=1.2*10**25
NP1:Strike=177 Dip=78 Slip= 12
NP2: 84 79 168
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN

L.P.B.: 17S, 38C
Centroid Location:
Origin Time 15:47:12.2 0.3
Lat 18.91S 0.03 Lon 169.66E 0.03
Dep 292.3 1.0 Half-duration 4.2
Principal Axes:
Scale 10**25 D-CM
T Vol= 1.82 Plg=42 Azm= 38
N -0.35 48 212
P -1.47 3 306
Best Double Couple:Mo=1.6*10**25
NP1:Strike= 73 Dip=59 Slip= 150
NP2: 180 64 35

06 00 05 38.35 40.368N 51.555E 33km
6.2mb (95 obs.) 6.3MsZ (20 obs.)
CASPIAN SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=296 Dip=87 Slip= -90
NP2: 116 3 -90
Principal Axes:
T Plg=42 Azm= 26
P 48 206
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 41 No. of sta: 17
Principal Axes:
Scale 10**25 d-cm
T Vol= 6.10 Plg=39 Azm= 38
N 0.03 16 294
P -6.13 46 186
Best Double Couple:Mo=6.1*10**25
NP1:Strike=191 Dip=17 Slip= -12
NP2: 293 87 -106
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 49C M.W.: 9S, 17C
Centroid Location:
Origin Time 00:05:49.1 0.2
Lat 40.33N 0.03 Lon 51.60E 0.03
Dep 35.0 BDY Half-duration 6.0
Principal Axes:
Scale 10**25 D-CM
T Vol= 6.51 Plg=42 Azm= 26
N -0.23 4 119
P -6.28 48 214
Best Double Couple:Mo=6.4*10**25
NP1:Strike= 67 Dip= 5 Slip=-142
NP2: 300 87 -86

06 04 08 18.81 56.286N 153.524W 33km
5.3mb (63 obs.) 5.0MsZ (4 obs.)
KODIAK ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 04:08:20.7 0.7
Lat 56.11N 0.09 Lon 153.38W 0.13
Dep 22.7 6.8 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Vol= 1.76 Plg=62 Azm=333
N 0.22 5 234
P -1.98 28 142
Best Double Couple:Mo=1.9*10**24
NP1:Strike=220 Dip=18 Slip= 75
NP2: 56 73 95

06 12 31 24.08 7.000S 155.781E 72km
5.9mb (47 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=125 Dip=60 Slip= 90
NP2: 305 30 90
Principal Axes:
T Plg=75 Azm= 35
P 15 215
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 46 No. of sta: 9
Principal Axes:

Scale 10**24 d-cm
T Val= 6.42 Plg=74 Azm=155
N -0.09 15 314
P -6.34 6 46
Best Double Couple:Mo=6.4*10**24
NP1:Strike=152 Dip=42 Slip= 114
NP2: 302 52 70
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 32C
Centroid Location:
Origin Time 12:31:27.2 0.3
Lat 6.90S 0.03 Lon 155.58E 0.05
Dep 57.6 2.8 Half-duration 3.1
Principal Axes:
Scale 10**24 D-CM
T Val= 6.88 Plg=83 Azm=101
N 0.18 5 329
P -7.06 5 238
Best Double Couple:Mo=7.0*10**24
NP1:Strike=323 Dip=40 Slip= 82
NP2: 153 50 96

06 12 34 56.02 21.161S 169.966E 125km
5.8mb (19 obs.)
LOYALTY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=203 Dip=71 Slip= 90
NP2: 23 19 90
Principal Axes:
T Plg=64 Azm=113
P 26 293
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

07 02 46 52.03 4.998S 151.710E 116km
6.0mb (56 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=165 Dip=90 Slip=-140
NP2: 75 50 -360
Principal Axes:
T Plg=27 Azm=292
P 27 38
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 102 No. of sta: 5
Principal Axes:
Scale 10**25 d-cm
T Val= 5.04 Plg=52 Azm=289
N -0.04 22 167
P -5.00 29 64
Best Double Couple:Mo=5.0*10**25
NP1:Strike=110 Dip=26 Slip= 30
NP2: 352 77 112
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 47C M.W.: 13S, 26C
Centroid Location:
Origin Time 02:46:58.4 0.2
Lat 5.19S 0.02 Lon 151.91E 0.02
Dep 100.9 1.1 Half-duration 6.0
Principal Axes:
Scale 10**25 D-CM
T Val= 4.61 Plg=57 Azm=292
N -0.01 19 170
P -4.60 26 71
Best Double Couple:Mo=4.6*10**25
NP1:Strike=124 Dip=25 Slip= 41
NP2: 356 74 110

09 08 41 56.68 8.217S 111.693E 117km
5.2mb (23 obs.)
JAVA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 08:41:57.6 0.7
Lat 8.52S 0.09 Lon 111.46E 0.07
Dep 116.0 4.2 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 11.04 Plg=69 Azm=202
N -0.17 20 37

P -10.88 5 305
Best Double Couple:Mo=1.1*10**24
NP1:Strike= 14 Dip=44 Slip= 60
NP2: 233 53 116

09 12 25 06.43 32.390N 141.100E 78km
5.2mb (76 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 12:25: 5.6 0.8
Lat 32.47N 0.08 Lon 140.90E 0.08
Dep 48.1 9.1 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 8.91 Plg=24 Azm=265
N -0.62 8 172
P -8.29 65 63
Best Double Couple:Mo=8.6*10**23
NP1:Strike= 12 Dip=23 Slip= -68
NP2: 168 69 -99

09 13 49 28.24 54.256N 167.864W 33km
5.2mb (47 obs.) 5.5msz (10 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 40C
Centroid Location:
Origin Time 13:49:29.4 0.2
Lat 54.43N 0.03 Lon 168.22W 0.04
Dep 34.6 3.6 Half-duration 2.7
Principal Axes:
Scale 10**24 D-CM
T Val= 4.52 Plg= 2 Azm=245
N -0.01 87 25
P -4.50 2 155
Best Double Couple:Mo=4.5*10**24
NP1:Strike=290 Dip=87 Slip= 180
NP2: 20 90 3

11 23 07 38.28 36.482N 70.660E 206km
5.3mb (77 obs.)
HINDU KUSH REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 34C
Centroid Location:
Origin Time 23:07:40.4 0.3
Lat 36.36N 0.05 Lon 70.34E 0.04
Dep 207.6 2.4 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.19 Plg=60 Azm= 0
N -0.03 1 268
P -2.15 30 178
Best Double Couple:Mo=2.2*10**24
NP1:Strike=264 Dip=15 Slip= 86
NP2: 89 75 91

12 22 04 19.81 24.112S 66.803W 206km
5.3mb (37 obs.)
SALTA PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 22:04:27.6 0.5
Lat 23.92S 0.06 Lon 67.06W 0.07
Dep 210.7 3.1 Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.29 Plg=30 Azm= 91
N -0.13 2 182
P -1.15 60 274
Best Double Couple:Mo=1.2*10**24
NP1:Strike=176 Dip=15 Slip= -96
NP2: 2 75 -88

13 05 36 28.84 7.059S 155.616E 66km
5.7mb (33 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 37C
Centroid Location:
Origin Time 05:36:31.9 0.2
Lat 7.29S 0.02 Lon 155.70E 0.02
Dep 53.6 1.8 Half-duration 4.1
Principal Axes:
Scale 10**25 D-CM

T Val= 1.50 Plg=70 Azm=127
N 0.16 20 315
P -1.66 3 224
Best Double Couple:Mo=1.6*10**25
NP1:Strike=295 Dip=46 Slip= 62
NP2: 152 51 116

13 08 41 21.40 26.203N 100.095E 29km
5.4mb (65 obs.) 4.6msz (2 obs.)
YUNNAN PROVINCE, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 08:41:22.1 1.1
Lat 25.45N 0.14 Lon 101.02E 0.11
Dep 15.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 11.99 Plg=21 Azm=250
N -1.32 6 342
P -10.67 69 87
Best Double Couple:Mo=1.1*10**24
NP1:Strike=330 Dip=25 Slip=-104
NP2: 165 66 -84

14 04 15 58.52 10.687S 27.640E 10km
5.3mb (40 obs.) 4.8msz (1 obs.)
ZAIRE REPUBLIC
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 04:16: 4.1 1.2
Lat 10.53S 0.18 Lon 27.17E 0.16
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**23 D-CM
T Val= 2.94 Plg=13 Azm=129
N 0.55 8 221
P -3.49 75 343
Best Double Couple:Mo=3.2*10**23
NP1:Strike=208 Dip=33 Slip=-105
NP2: 46 58 -80

14 08 42 15.24 43.995N 147.627E 82km
5.7mb (74 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 08:42:16.1 0.3
Lat 43.79N 0.03 Lon 147.34E 0.06
Dep 78.3 3.1 Half-duration 2.2
Principal Axes:
Scale 10**24 D-CM
T Val= 2.17 Plg=28 Azm=336
N 0.12 20 235
P -2.29 54 115
Best Double Couple:Mo=2.2*10**24
NP1:Strike=107 Dip=25 Slip= -35
NP2: 230 76 -111

14 10 30 50.37 46.975S 12.953W 10km
5.4mb (19 obs.) 5.8msz (4 obs.)
SOUTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 43C
Centroid Location:
Origin Time 10:30:57.1 0.2
Lat 47.24S 0.02 Lon 12.13W 0.03
Dep 15.0 FIX Half-duration 3.9
Principal Axes:
Scale 10**25 D-CM
T Val= 1.28 Plg= 0 Azm=211
N -0.19 90 180
P -1.09 0 121
Best Double Couple:Mo=1.2*10**25
NP1:Strike=256 Dip=90 Slip= 180
NP2: 346 90 0

14 16 55 52.98 30.070S 176.559W 42km
5.4mb (35 obs.) 6.1msz (18 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 39C
Centroid Location:
Origin Time 16:55:57.0 0.2
Lat 30.17S 0.02 Lon 176.29W 0.02
Dep 15.0 FIX Half-duration 4.5

Principal Axes:

Scale 10**25 D-CM
 T Val= 2.22 Plg= 3 Azm=283
 N -0.35 11 193
 P -1.87 78 29
 Best Double Couple:Mo=2.1*10**25
 NP1:Strike= 25 Dip=43 Slip= -73
 NP2: 183 49 -105

Lat 27.37N 0.03 Lon 139.81E 03

Dep 457.7 1.8 Half-duration 2.7

Principal Axes:

Scale 10**24 D-CM
 T Val= 4.01 Plg= 7 Azm= 61
 N -0.01 29 155
 P -4.00 60 318
 Best Double Couple:Mo=4.0*10**24
 NP1:Strike=122 Dip=45 Slip=-133
 NP2: 355 59 -55

Centroid Location:

Origin Time 10:31: 5.3 0.7
 Lat 24.77N 0.10 Lon 122.65E 0.15
 Dep 15.0 FIX Half-duration 2.2
 Principal Axes:
 Scale 10**24 D-CM
 T Val= 2.32 Plg=10 Azm= 16
 N 1.07 34 114
 P -3.39 54 272
 Best Double Couple:Mo=2.9*10**24
 NP1:Strike= 72 Dip=45 Slip=-141
 NP2: 313 64 -52

14 21 28 27.37 54.753S 23.833W 33km

5.5mb (9 obs.) 4.7Msz (2 obs.)

SOUTH SANDWICH ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 14S, 29C

Centroid Location:

Origin Time 21:28:32.9 0.5

Lat 54.88S 0.07 Lon 23.87W 0.11

Dep 15.0 FIX Half-duration 1.7

Principal Axes:

Scale 10**23 D-CM
 T Val= 10.51 Plg=17 Azm=204
 N 1.83 68 63
 P -12.34 13 298
 Best Double Couple:Mo=1.1*10**24
 NP1:Strike=342 Dip=68 Slip= 3
 NP2: 250 87 158

19 21 28 01.92 12.413N 141.762E 43km

5.4mb (29 obs.) 5.0Msz (4 obs.)

SOUTH OF MARIANA ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 11S, 21C

Centroid Location:

Origin Time 21:28: 3.3 0.4

Lat 12.40N 0.05 Lon 141.68E 0.07

Dep 15.0 FIX Half-duration 2.0

Principal Axes:

Scale 10**24 D-CM
 T Val= 2.08 Plg=17 Azm=343
 N -0.09 12 249
 P -2.00 69 127
 Best Double Couple:Mo=2.0*10**24
 NP1:Strike= 91 Dip=30 Slip= -66
 NP2: 243 63 -103

22 11 19 36.19 24.681N 122.778E 33km

5.4mb (21 obs.)

TAIWAN REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 11S, 18C

Centroid Location:

Origin Time 11:19:33.1 0.9

Lat 24.70N FIX;Lon 122.79E FIX

Dep 15.0 FIX Half-duration 2.2

Principal Axes:

Scale 10**24 D-CM
 T Val= 3.09 Plg=20 Azm= 3
 N -0.94 69 172
 P -2.14 4 272
 Best Double Couple:Mo=2.6*10**24
 NP1:Strike= 45 Dip=73 Slip= 168
 NP2: 139 79 17

15 05 01 24.62 17.429S 178.865W 572km

5.2mb (26 obs.)

FIJI ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 11S, 16C

Centroid Location:

Origin Time 05:01:30.8 1.0

Lat 17.55S 0.13 Lon 178.84W 0.12

Dep 577.6 5.2 Half-duration 1.8

Principal Axes:

Scale 10**24 D-CM
 T Val= 1.04 Plg= 5 Azm=326
 N 0.21 84 105
 P -1.25 4 236
 Best Double Couple:Mo=1.1*10**24
 NP1:Strike= 11 Dip=84 Slip= 180
 NP2: 101 90 6

21 21 35 35.83 7.455S 120.646E 614km

5.5mb (35 obs.)

FLORES SEA

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 12S, 25C

Centroid Location:

Origin Time 21:35:39.0 0.6

Lat 7.57S 0.05 Lon 120.74E 0.06

Dep 628.4 5.0 Half-duration 2.0

Principal Axes:

Scale 10**24 D-CM
 T Val= 1.77 Plg=18 Azm= 92
 N -0.11 19 356
 P -1.66 64 223
 Best Double Couple:Mo=1.7*10**24
 NP1:Strike=209 Dip=32 Slip= -52
 NP2: 347 66 -111

22 12 06 33.68 24.669N 122.814E 33km

5.4mb (37 obs.) 5.7Msz (4 obs.)

TAIWAN REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 12S, 22C

Centroid Location:

Origin Time 12:06:31.2 0.6

Lat 25.03N 0.09 Lon 122.31E 0.14

Dep 15.0 FIX Half-duration 2.6

Principal Axes:

Scale 10**24 D-CM
 T Val= 5.42 Plg=15 Azm=192
 N -0.13 30 93
 P -5.29 56 306
 Best Double Couple:Mo=5.4*10**24
 NP1:Strike=317 Dip=40 Slip= -39
 NP2: 79 66 -123

15 11 29 44.38 18.909S 67.391W 243km

5.6mb (83 obs.)

BOLIVIA

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 23S, 51C

Centroid Location:

Origin Time 11:29:50.4 0.2

Lat 18.91S 0.02 Lon 67.35W 0.03

Dep 241.3 0.9 Half-duration 5.2

Principal Axes:

Scale 10**25 D-CM
 T Val= 3.19 Plg= 5 Azm=137
 N 0.03 35 43
 P -3.22 55 235
 Best Double Couple:Mo=3.2*10**25
 NP1:Strike=259 Dip=50 Slip= -42
 NP2: 19 59 -132

21 23 56 18.60 54.284N 121.854W 18km

5.4mb (63 obs.) 5.2Msz (5 obs.)

BRITISH COLUMBIA

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 11S, 26C

Centroid Location:

Origin Time 23:56: 9.8 1.6

Lat 53.64N 0.13 Lon 121.86W 0.12

Dep 15.0 FIX Half-duration 2.0

Principal Axes:

Scale 10**24 D-CM
 T Val= 2.15 Plg=56 Azm= 71
 N 0.15 27 293
 P -2.30 19 192
 Best Double Couple:Mo=2.2*10**24
 NP1:Strike=246 Dip=35 Slip= 38
 NP2: 124 69 119

22 14 27 17.75 24.726N 123.015E 33km

4.9mb (10 obs.) 5.5Msz (1 obs.)

SOUTHWESTERN RYUKYU ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 7S, 17C

Centroid Location:

Origin Time 14:27:17.9 1.1

Lat 24.46N 0.16 Lon 122.66E 0.19

Dep 15.0 FIX Half-duration 1.6

Principal Axes:

Scale 10**23 D-CM
 T Val= 11.42 Plg=25 Azm=355
 N 2.28 1 86
 P -13.70 65 179
 Best Double Couple:Mo=1.3*10**24
 NP1:Strike= 82 Dip=20 Slip= -94
 NP2: 266 70 -88

15 18 32 10.79 55.931S 27.429W 90km

5.9mb (26 obs.)

SOUTH SANDWICH ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 17S, 37C

Centroid Location:

Origin Time 18:32:14.2 0.3

Lat 55.82S 0.03 Lon 26.93W 0.09

Dep 81.3 1.6 Half-duration 2.5

Principal Axes:

Scale 10**24 D-CM
 T Val= 3.11 Plg=70 Azm=146
 N 0.53 20 308
 P -3.64 6 40
 Best Double Couple:Mo=3.4*10**24
 NP1:Strike=150 Dip=43 Slip= 120
 NP2: 293 54 66

22 04 45 32.87 23.422N 121.565E 45km

5.6mb (55 obs.) 5.5Msz (4 obs.)

TAIWAN

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 15S, 32C

Centroid Location:

Origin Time 04:45:34.4 0.2

Lat 23.11N 0.03 Lon 121.43E 0.03

Dep 32.8 1.6 Half-duration 3.4

Principal Axes:

Scale 10**24 D-CM
 T Val= 8.49 Plg=67 Azm=216
 N -0.04 22 20
 P -8.44 6 113
 Best Double Couple:Mo=8.5*10**24
 NP1:Strike=226 Dip=44 Slip= 123
 NP2: 3 55 62

22 16 56 51.77 4.377S 104.701W 10km

5.4mb (23 obs.) 5.9Msz (7 obs.)

NORTHERN EASTER I. CORDILLERA

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 17S, 39C

Centroid Location:

Origin Time 16:56:58.0 0.2

Lat 4.54S 0.03 Lon 104.71W 0.02

Dep 15.0 FIX Half-duration 4.0

Principal Axes:

Scale 10**25 D-CM
 T Val= 1.61 Plg= 4 Azm=139
 N -0.22 84 268
 P -1.39 4 49
 Best Double Couple:Mo=1.5*10**25
 NP1:Strike=184 Dip=84 Slip=-179
 NP2: 94 89 -6

17 09 18 25.26 27.421N 139.866E 476km

5.5mb (77 obs.)

BONIN ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 12S, 26C

Centroid Location:

Origin Time 09:18:26.9 0.2

22 10 31 07.38 24.753N 122.921E 33km

5.3mb (34 obs.) 5.7Msz (1 obs.)

TAIWAN REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 11S, 22C

22 18 45 32.74 24.812N 123.212E 33km

5.2mb (14 obs.)

SOUTHWESTERN RYUKYU ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 85, 14C
Centroid Location:
Origin Time 18:45:34.4 1.5
Lat 24.76N FIX; Lon 123.24E FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 8.87 Plg=1 Azm=185
N -0.52 31 276
P -8.35 59 94
Best Double Couple: Mo=8.6*10**23
NP1: Strike=248 Dip=52 Slip=-131
NP2: 123 54 -50

23 11 47 38.77 26.710S 70.938W 62km
5.4mb (20 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 11:47:46.7 0.8
Lat 26.03S 0.11 Lon 70.85W 0.15
Dep 98.5 8.2 Half-duration 1.6
Principal Axes:
Scale 10**23 D-CM
T Val= 11.83 Plg=24 Azm=133
N -2.85 0 43
P -8.98 66 313
Best Double Couple: Mo=1.0*10**24
NP1: Strike=223 Dip=21 Slip=-90
NP2: 43 69 -90

23 13 15 39.88 0.844N 26.220W 10km
4.8mb (22 obs.) 5.0msz (2 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 13:15:48.8 1.1
Lat 0.92N 0.10 Lon 25.68W 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.44 Plg=2 Azm=224
N -0.73 77 322
P -5.72 13 134
Best Double Couple: Mo=6.1*10**23
NP1: Strike=270 Dip=79 Slip=-172
NP2: 178 82 -11

24 02 01 28.92 28.541N 130.009E 26km
5.6mb (85 obs.) 5.9msz (11 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 35C
Centroid Location:
Origin Time 02:01:35.2 0.1
Lat 28.36N 0.02 Lon 129.86E 0.03
Dep 15.0 FIX Half-duration 4.5
Principal Axes:
Scale 10**25 D-CM
T Val= 2.71 Plg=56 Azm=318
N 0.11 3 222
P -2.82 34 130
Best Double Couple: Mo=2.8*10**25
NP1: Strike=206 Dip=12 Slip= 73
NP2: 43 79 94

24 10 33 57.55 14.132N 91.318W 67km
5.1mb (22 obs.)
GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 10:34: 0.2 0.7
Lat 14.29N 0.09 Lon 91.59W 0.09
Dep 84.7 4.5 Half-duration 1.7
Principal Axes:
Scale 10**23 D-CM
T Val= 10.27 Plg=65 Azm= 66
N 2.52 15 301
P -12.79 20 206
Best Double Couple: Mo=1.2*10**24
NP1: Strike=272 Dip=28 Slip= 57
NP2: 128 66 106

24 19 31 39.34 2.488S 138.696E 29km
5.8mb (43 obs.) 6.8msz (18 obs.)

WEST IRIAN
FAULT PLANE SOLUTION: P-Waves
NP1: Strike= 85 Dip=73 Slip= 7
NP2: 353 83 163
Principal Axes:
T Plg=17 Azm=308
P 7 40
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.
MOMENT TENSOR SOLUTION
Dep 19 No. of sta: 8
Principal Axes:
Scale 10**25 d-cm
T Val= 9.35 Plg=15 Azm=316
N -0.18 75 141
P -9.17 1 46
Best Double Couple: Mo=9.3*10**25
NP1: Strike= 92 Dip=78 Slip= 10
NP2: 0 80 168
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 43C M.W.: 12S, 25C
Centroid Location:
Origin Time 19:31:48.4 0.2
Lat 2.34S 0.02 Lon 138.65E 0.02
Dep 15.0 FIX Half-duration 8.0
Principal Axes:
Scale 10**25 D-CM
T Val= 9.13 Plg=31 Azm=309
N 3.88 39 190
P -13.01 35 64
Best Double Couple: Mo=1.1*10**26
NP1: Strike= 94 Dip=39 Slip= -4
NP2: 188 87 -129

25 01 41 34.61 38.354N 25.145E 4km
5.2mb (33 obs.) 5.5msz (6 obs.)
AEGEAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 01:41:42.9 0.8
Lat 38.54N 0.12 Lon 25.14E 0.11
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.60 Plg=14 Azm= 31
N 0.80 62 273
P -2.40 24 128
Best Double Couple: Mo=2.0*10**24
NP1: Strike=168 Dip=63 Slip= -7
NP2: 261 84 -152

25 08 00 05.91 22.061S 176.665W 192km
5.1mb (26 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 16C
Centroid Location:
Origin Time 08:00:10.1 0.8
Lat 22.15S 0.11 Lon 176.78W 0.10
Dep 189.0 3.4 Half-duration 1.7
Principal Axes:
Scale 10**24 D-CM
T Val= 1.16 Plg=48 Azm=115
N 0.07 2 208
P -1.23 42 300
Best Double Couple: Mo=1.2*10**24
NP1: Strike= 64 Dip= 4 Slip= 126
NP2: 208 87 88

25 12 13 47.02 24.817N 123.168E 31km
5.1mb (19 obs.) 5.0msz (1 obs.)
SOUTHWESTERN RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 12:13:44.6 0.7
Lat 24.77N 0.11 Lon 123.07E 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.46 Plg=15 Azm=183
N -0.36 2 273
P -6.10 75 10
Best Double Couple: Mo=6.3*10**23

NP1: Strike=270 Dip=30 Slip= -93
NP2: 94 60 -88

25 17 10 57.56 6.249S 104.159E 47km
5.5mb (30 obs.) 5.7msz (12 obs.)
SUNDA STRAIT
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 17:10:58.6 0.5
Lat 6.75S 0.04 Lon 103.77E 0.04
Dep 36.4 2.8 Half-duration 3.0
Principal Axes:
Scale 10**24 D-CM
T Val= 4.37 Plg=72 Azm= 21
N 1.34 1 115
P -5.70 18 205
Best Double Couple: Mo=5.0*10**24
NP1: Strike=297 Dip=27 Slip= 93
NP2: 114 63 89

26 07 04 51.88 34.022S 72.005W 49km
5.0mb (17 obs.) 5.1msz (2 obs.)
NEAR COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Location:
Origin Time 07:04:53.9 0.5
Lat 34.07S 0.05 Lon 72.22W 0.06
Dep 37.6 3.7 Half-duration 2.0
Principal Axes:
Scale 10**24 D-CM
T Val= 1.83 Plg=69 Azm= 81
N 0.11 3 178
P -1.94 21 269
Best Double Couple: Mo=1.9*10**24
NP1: Strike= 5 Dip=24 Slip= 97
NP2: 177 66 87

26 14 26 19.45 14.265S 167.296E 202km
5.0mb (15 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 14:26:25.0 1.3
Lat 14.19S 0.15 Lon 166.98E 0.13
Dep 203.1 4.8 Half-duration 1.5
Principal Axes:
Scale 10**23 D-CM
T Val= 6.25 Plg=57 Azm=158
N -0.31 32 321
P -5.94 8 56
Best Double Couple: Mo=6.1*10**23
NP1: Strike=178 Dip=47 Slip= 137
NP2: 300 60 52

26 21 49 57.28 56.366S 26.571W 111km
5.7mb (19 obs.)
SOUTH SANDWICH ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=308 Dip=80 Slip= 90
NP2: 128 10 90
Principal Axes:
T Plg=55 Azm=218
P 35 38
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 21:50: 1.3 0.6
Lat 56.70S 0.05 Lon 26.13W 0.17
Dep 82.6 3.6 Half-duration 2.6
Principal Axes:
Scale 10**24 D-CM
T Val= 4.51 Plg=23 Azm=187
N -1.13 33 293
P -3.39 48 69
Best Double Couple: Mo=3.9*10**24
NP1: Strike=233 Dip=37 Slip=-156
NP2: 123 76 -56

26 22 06 57.66 7.125S 71.638W 609km
5.8mb (86 obs.)
WESTERN BRAZIL

FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=165 Dip=65 Slip=-114
 NP2: 31 34 -49

Principal Axes:
 T Plg=17 Azm=272
 P 62 37

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

MOMENT TENSOR SOLUTION

Dep 592 No. of sta: 10

Principal Axes:
 Scale 10**25 d-cm
 T Val= 3.15 Plg=24 Azm=275
 N -0.13 18 176
 P -3.02 59 53

Best Double Couple:Mo=3.1*10**25
 NP1:Strike= 38 Dip=26 Slip= -45
 NP2: 170 72 -109

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 14S, 30C M.W.: 9S, 14C

Centroid Location:

Origin Time 22:07: 2.6 0.3

Lat 7.09S 0.03 Lon 71.64W 0.03

Dep 604.4 1.9 Half-duration 5 0

Principal Axes:

Scale 10**25 D-CM

T Val= 3.19 Plg=21 Azm=269

N 0.11 16 173

P -3.30 63 48

Best Double Couple:Mo=3.3*10**25

NP1:Strike= 26 Dip=28 Slip= -54

NP2: 166 68 -107

27 11 58 19.45 14.456S 178.041W 33km

5.7mb (25 obs.) 5.9Msz (14 obs.)

FIL ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 15S, 35C

Centroid Location:

Origin Time 11:58:24.3 0.2

Lat 14.27S 0.03 Lon 178.13W 0.02

Dep 15.0 FIX Half-duration 3.6

Principal Axes:

Scale 10**24 D-CM

T Val= 10.47 Plg=80 Azm= 9

N -1.55 4 118

P -8.92 10 209

Best Double Couple:Mo=9.7*10**24

NP1:Strike=303 Dip=35 Slip= 96

NP2: 116 55 86

28 02 56 26.83 23.122S 178.702W 383km

5.3mb (43 obs.)

SOUTH OF FIL ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 13S, 28C

Centroid Location:

Origin Time 02:56:33.6 0.3

Lat 23.01S 0.03 Lon 178.79W 0.03

Dep 398.4 1.6 Half-duration 2.6

Principal Axes:

Scale 10**24 D-CM

T Val= 3.50 Plg=19 Azm=101

N 0.39 32 203

P -3.89 52 345

Best Double Couple:Mo=3.7*10**24

NP1:Strike=152 Dip=38 Slip=-148

NP2: 36 71 -56

28 16 03 05.92 5.956S 149.604E 88km

5.6mb (50 obs.)

NEW BRITAIN REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 12S, 25C

Centroid Location:

Origin Time 16:03: 8.0 0.3

Lat 6.76S 0.04 Lon 149.94E 0.03

Dep 82.8 2.5 Half-duration 3.0

Principal Axes:

Scale 10**24 D-CM

T Val= 4.62 Plg=68 Azm=123

N 1.31 9 9

P -5.93 20 276

Best Double Couple:Mo=5.3*10**24

NP1:Strike=350 Dip=26 Slip= 69

NP2: 194 65 100

28 18 24 10.65 48.842N 154.803E 89km

5.2mb (67 obs.)

KURIL ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 10S, 18C

Centroid Location:

Origin Time 18:24: 7.4 1.1

Lat 48.39N 0.11 Lon 154.58E 0.21

Dep 74.7 7.2 Half-duration 1.4

Principal Axes:

Scale 10**23 D-CM

T Val= 7.27 Plg=14 Azm=312

N -0.23 56 63

P -7.04 31 214

Best Double Couple:Mo=7.2*10**23

NP1:Strike=357 Dip=58 Slip=-167

NP2: 260 79 -32

29 14 17 59.35 17.929S 178.586W 604km

5.4mb (40 obs.)

FIL ISLANDS REGION

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 10S, 21C

Centroid Location:

Origin Time 14:18: 6.2 0.7

Lat 17.84S 0.08 Lon 178.65W 0.07

Dep 618.3 3.9 Half-duration 2.0

Principal Axes:

Scale 10**24 D-CM

T Val= 2.01 Plg=32 Azm=342

N 0.02 52 125

P -2.03 18 240

Best Double Couple:Mo=2.0*10**24

NP1:Strike= 17 Dip=53 Slip= 169

NP2: 113 81 37

29 15 05 44.55 17.704S 174.602W 33km

5.4mb (28 obs.) 5.5Msz (8 obs.)

TONGA ISLANDS

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 12S, 27C

Centroid Location:

Origin Time 15:05:47.0 0.2

Lat 18.01S 0.03 Lon 174.54W 0.03

Dep 16.2 1.5 Half-duration 2.9

Principal Axes:

Scale 10**24 D-CM

T Val= 5.56 Plg= 5 Azm=275

N -0.43 4 6

P -5.13 83 137

Best Double Couple:Mo=5.3*10**24

NP1:Strike= 1 Dip=40 Slip= -97

NP2: 189 50 -84

30 08 53 53.21 26.194S 132.767E 10km

5.8mb (31 obs.) 5.8Msz (21 obs.)

SOUTH AUSTRALIA

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 12S, 26C

Centroid Location:

Origin Time 08:54: 1.9 0.5

Lat 25.63S 0.07 Lon 132.82E 0.04

Dep 15 0 FIX Half-duration 2.7

Principal Axes:

Scale 10**24 D-CM

T Val= 4.53 Plg=80 Azm=311

N 0.07 10 156

P -4.60 4 65

Best Double Couple:Mo=4.6*10**24

NP1:Strike=145 Dip=42 Slip= 76

NP2: 344 50 103

31 11 55 40.00 37.483N 121.690W 8km

5.5mb (48 obs.) 5.5Msz (6 obs.)

CENTRAL CALIFORNIA

CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN

L.P.B.: 11S, 27C

Centroid Location:

Origin Time 11:55:44.5 1.0

Lat 37.72N 0.09 Lon 121.72W 0.07

Dep 15.0 FIX Half-duration 2.5

Principal Axes:

Scale 10**24 D-CM

T Val= 3.36 Plg= 1 Azm=307

N -0.25 75 42

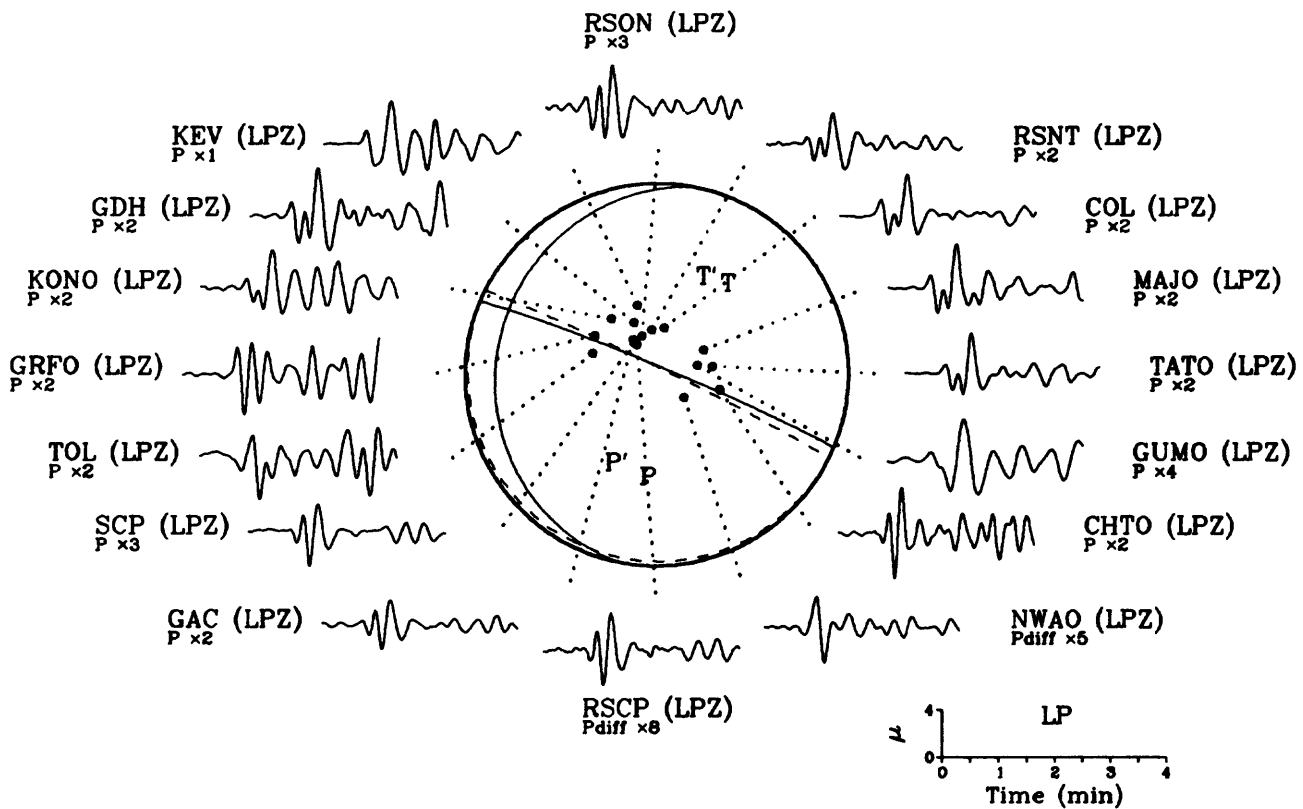
P -3.11 15 217

Best Double Couple:Mo=3.2*10**24

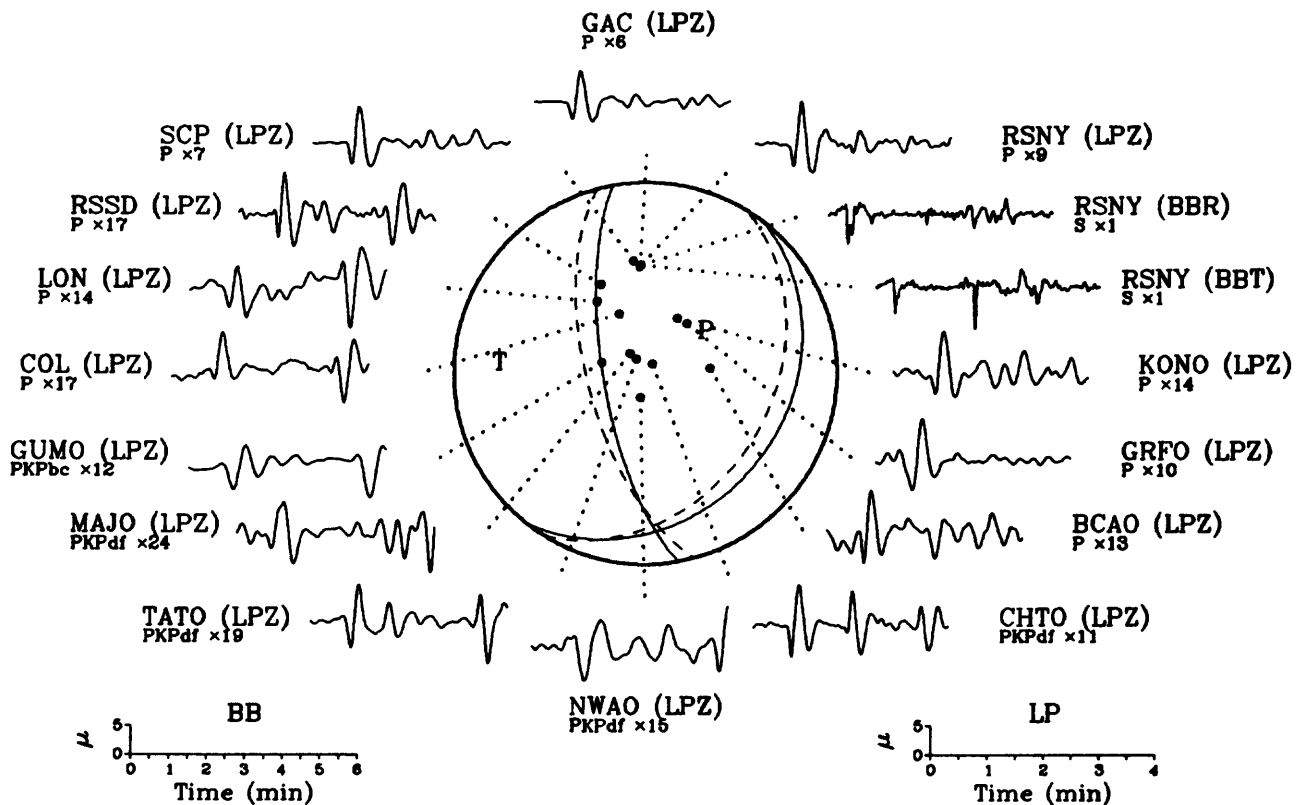
NP1:Strike=353 Dip=79 Slip=-170

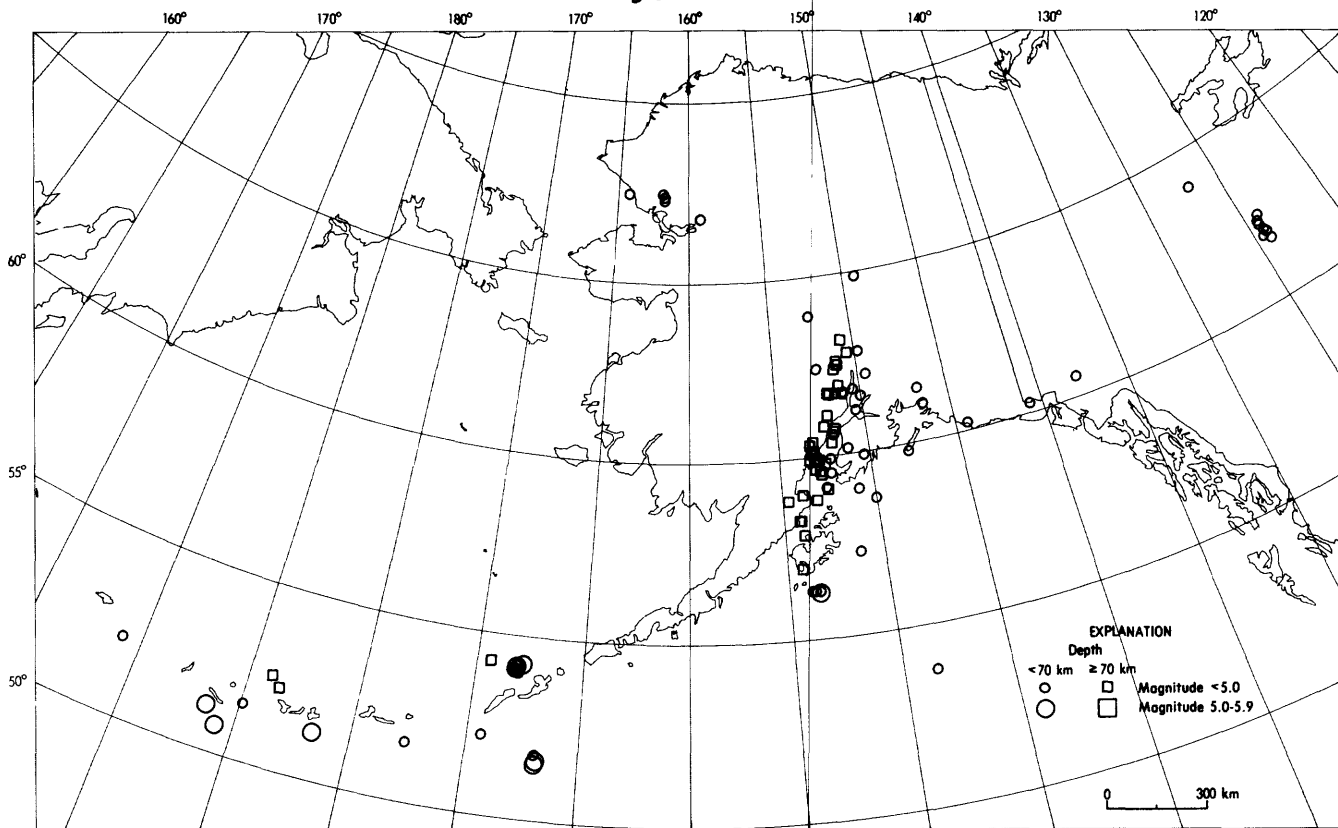
NP2: 261 81 -11

06 March 1986 00:05:38.35
Caspian Sea



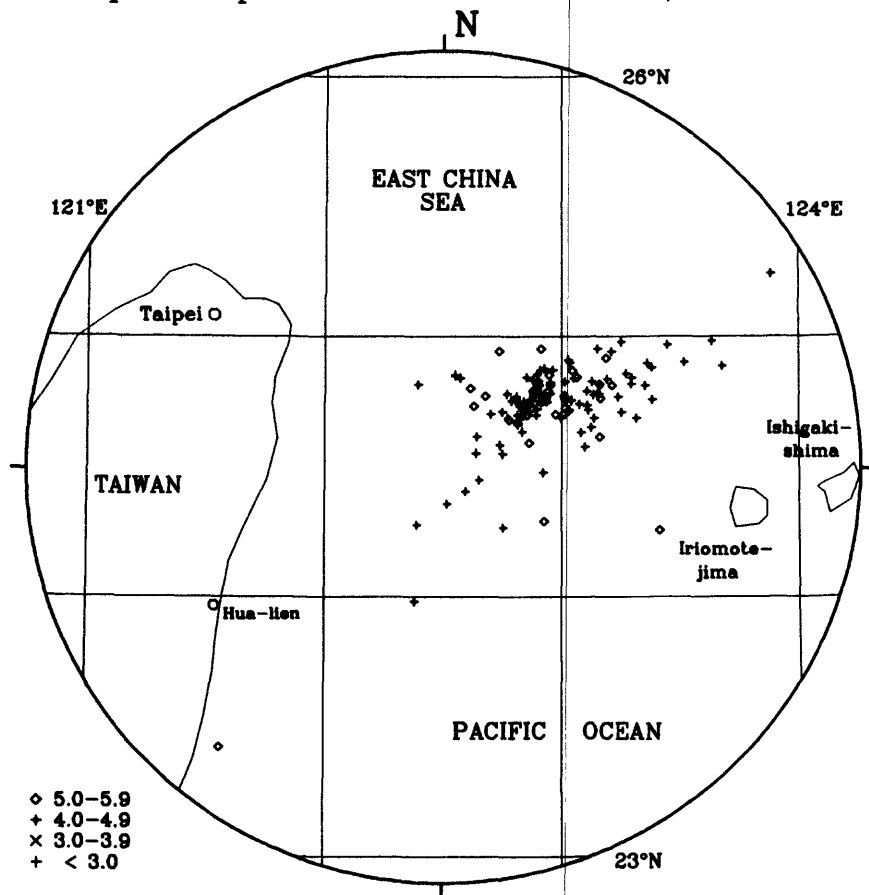
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Western Brazil

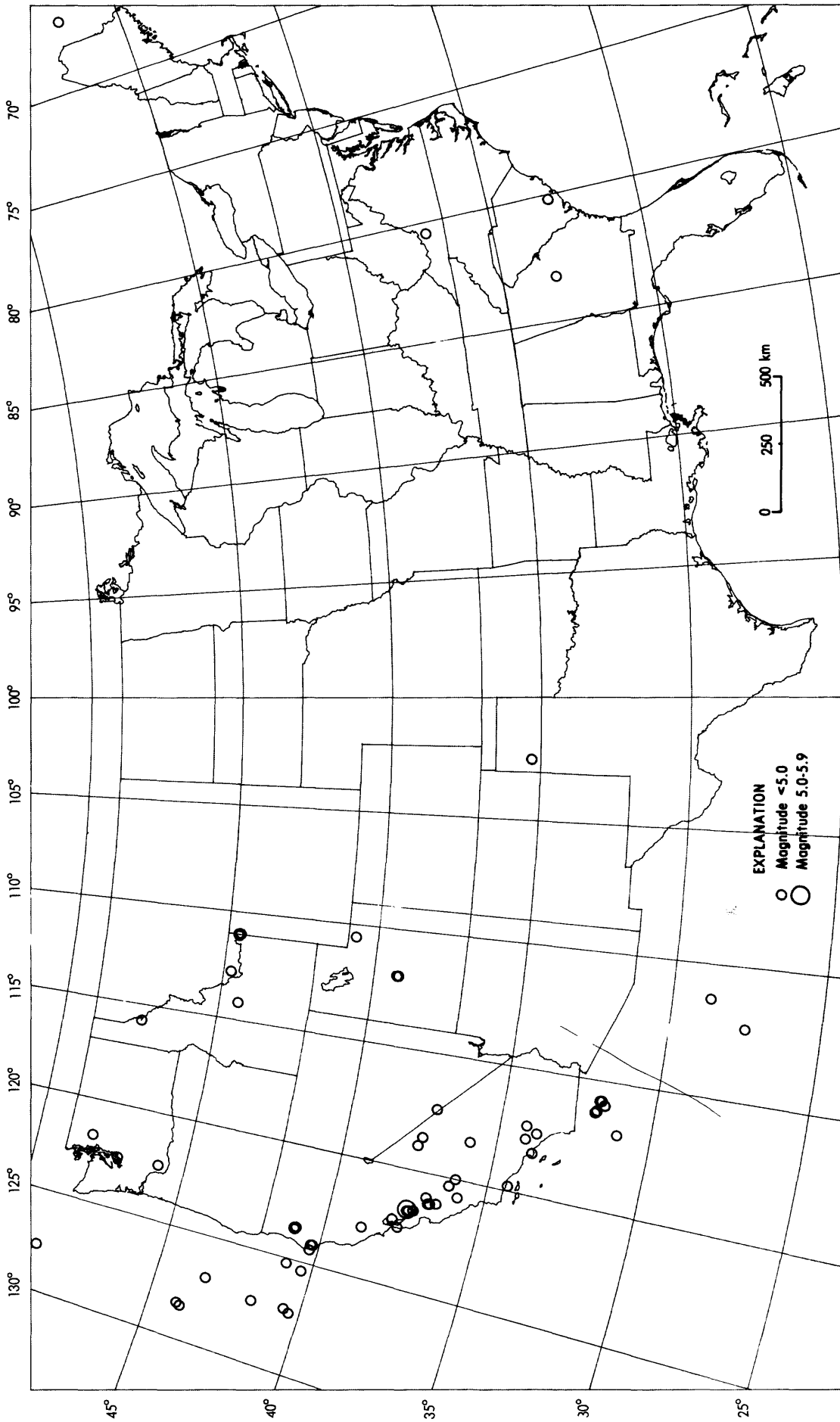




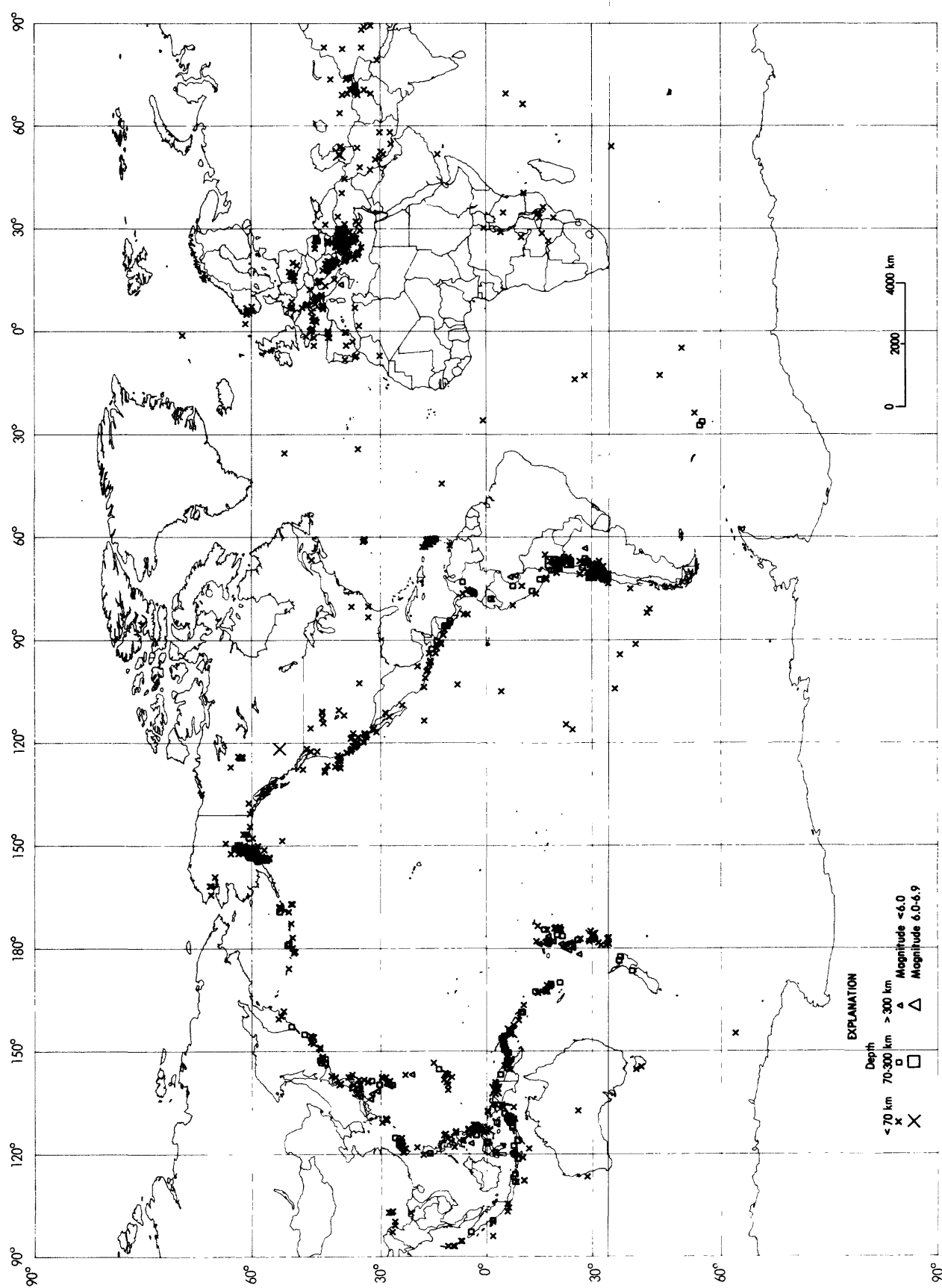
Earthquake epicenters in Alaska and adjacent regions for March, 1986 (C. Stover).

Earthquake Epicenters East of Taiwan, March 1986





Earthquake epicenters in the conterminous United States and adjacent regions for March, 1986 (C. Stover).



Earthquakes located in March, 1986 (C. Stover).