UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

APRIL - JUNE, 1987

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

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1988

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National Earthquake Information Center

APRIL 1987

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT	LONG	DEPTH	MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
f	01	01	48	08.5	22.767 S	66.205 W	249 G	6.1		1.1	361	JUJUY PROVINCE, ARGENTINA. mb 6.7 (PAS), 6.2 (BRK). Felt (IV) at Antofogasta, Chile. Also felt ot Sao Paulo, Brozil. Triple event. Depth from broodbond displacement seismograms, based on first event.
	01	02	42	01.5	63.448 N	147.175 W	94 ?			0.9	12	CENTRAL ALASKA
	01	02	49	45.2	0.102 N	130.186 E	33 N	4.2		0.8	14	WEST IRIAN REGION
	01	03	07	23.1*	43.489 N	0.685 W	14			0.9	14	PYRENEES. ML 3.2 (LDG).
	01	03	49	14.4	44.169 N	12.189 E	27			1.2	83	NORTHERN ITALY. ML 4.2 (KBA), 4.1 (TRI), 3.9 (LDG), 3.9 (VKA).
	01	03	49	16.8?	6.08 S	148.38 E	9 ?	3.7		1.3	5	NEW BRITAIN REGION
	01	03	54	32.4	44.245 N	12.140 E	10 G			1.2	45	NORTHERN ITALY. ML 3.8 (KBA), 3.6 (TRI), 3.6 (LDG).
	01	04	49	11.9*	4.445 S	102.723 E	83 *	4.8		1.0	30	SOUTHERN SUMATERA
	01	05	53	05.9	34.903 N	23.218 E	33 N	4.4		1.2	45	CRETE
	01	06	43	51.2	50.349 N	3.758 E	10 G			0.9	24	BELGIUM. ML 3.1 (LOG).
	01	07	26	03.4?	50.01 N	18.42 E	10 G			1.5	4	POLAND. MG 3.1 (KRA).
	01	09	25	14.3*	10.749 S	120.719 E	33 N	4.0		1.5	9	SUMBA ISLAND REGION
	01	09	34	56.4&	62.609 N	150.308 W	65				46	CENTRAL ALASKA. <AGS-P>.
	01	10	23	50.1?	42.83 S	82.14 W	10 G	5.0		1.4	17	WEST CHILE RISE
	01	10	38	48.1?	2.12 N	125.69 E	184 ?	4.5		0.7	10	TALAUD ISLANDS
	01	11	04	29.3	44.226 N	12.251 E	12			1.2	19	NORTHERN ITALY. ML 3.3 (KBA), 3.2 (LDG). MD 2.8 (FIP).
	01	11	50	11.3*	20.193 S	69.297 W	132 *			1.4	9	NORTHERN CHILE
	01	12	59	52.4	36.439 N	70.859 E	190 D	5.0		0.9	171	HINDU KUSH REGION. Felt (III) in the Ishkoshim-Kharog-Dushonbe oreo, USSR. Also felt in Koshmir.
	01	13	02	35.3*	4.635 S	152.760 E	33 N	4.8		1.3	6	NEW BRITAIN REGION
	01	13	05	00.5&	59.989 N	153.443 W	129	4.0			33	SOUTHERN ALASKA. <AGS-P>.
	01	13	21	41.8&	58.786 N	149.910 W	9				29	GULF OF ALASKA. <AGS-P>. ML 3.2 (PMR).
	01	13	46	13.0	17.935 S	178.585 W	597 *	4.9		0.8	61	FIJI ISLANDS REGION
	01	16	01	48.2	21.954 N	98.464 E	33 N	4.7		1.1	38	BURMA
	01	16	30	15.1	43.801 N	21.043 E	12			1.4	18	YUGOSLAVIA. ML 2.8 (TTG). Felt ot Vrnjacka Banja and Kraljevo.
	01	16	40	41.0&	41.825 N	112.329 W	3				19	UTAH. <SLC-P>. ML 3.5 (NEIS). Felt (IV) at Howell and Portage; (III) at Garland and Plymauth; (II) ot Riverside. Also felt at Tremonton.
	01	19	33	15.0%	41 597 N	28.431 E	10 G			0.4	5	TURKEY
	01	19	54	40.6%	40.637 N	27.806 E	10 G			0.7	6	TURKEY
	01	20	19	37.8	1.349 S	89.515 E	10 G	5.0		1.1	56	SOUTH INDIAN OCEAN
	01	21	39	04.2*	37.049 N	71.885 E	148 ?	4.1		1.4	13	AFGHANISTAN-USSR BORDER REGION
	01	21	42	56.5&	38.800 N	122.800 W	2				15	NORTHERN CALIFORNIA. <BRK>. ML 2.8 (BRK).
	01	21	44	01.8*	5.825 S	152.243 E	33 N	4.3		1.4	12	NEW BRITAIN REGION
	01	21	44	46.0&	41.823 N	112.328 W	3				8	UTAH. <SLC-P>. ML 3.3 (SLC), 3.3 (NEIS).
	01	22	14	46.2?	30.36 N	138.91 E	408 ?	3.7		0.5	8	SOUTH OF HONSHU, JAPAN
	01	22	51	19.3?	39.48 N	23.55 E	10 G			0.3	5	AEGEAN SEA
	01	23	29	25.4	39.792 N	23.859 E	13			1.0	15	AEGEAN SEA. ML 3.2 (ATH).
	02	02	04	13.7?	29.51 S	178.42 W	68 *	4.9		1.1	10	KERMADEC ISLANDS
o	02	05	46	06.3	11.741 N	87.262 W	41	5.0	4.6	1.5	88	NEAR COAST OF NICARAGUA
	02	08	04	31.5%	42.696 N	13.066 E	10 G			0.9	8	CENTRAL ITALY
	02	08	05	46.9	41.915 N	19.253 E	10 G			1.2	11	ALBANIA. ML 2.5 (TTG). Felt (IV) in the Ulcinj areo.
	02	08	47	50.4*	32.359 S	71.807 W	10 G			0.7	11	NEAR COAST OF CENTRAL CHILE
	02	09	54	17.6*	33.900 N	59.697 E	33 N	4.3		0.9	12	IRAN
	02	10	00	01.6%	42.409 N	18.166 E	10 G			0.7	8	YUGOSLAVIA. ML 2.4 (TTG).
	02	10	48	02.4	34.699 N	136.828 E	325	4.6		0.8	52	SOUTHERN HONSHU, JAPAN
	02	10	59	03.3?	8.04 S	129.99 E	166 ?	3.9		0.7	6	TIMOR SEA
	02	11	06	22.0%	40.613 N	27.531 E	10 G			0.7	7	TURKEY
	02	11	17	23.1	4.417 S	143.622 E	100 *	4.0		0.8	14	PAPUA NEW GUINEA
	02	11	23	16.5	8.353 S	116.675 E	10 G	5.0	4.3	1.2	51	SUMBAWA ISLAND REGION. Felt (III) at Karangasem, Boli.
	02	11	42	49.0*	8.429 S	116.753 E	33 N	4.5		1.4	12	SUMBAWA ISLAND REGION. Felt (II) at Korongasem, Boli.
	02	13	13	37.1	40.359 N	141.400 E	121	4.4		0.6	21	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at

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													Hachinahe, Moriaka and Miyako.
	02	13	16	10.8	40.063	N	24.093	E	11			0.6	12	AEGEAN SEA
	02	13	30	44.4	35.755	N	80.819	E	33	N	4.8 4.1	1.4	24	KASHMIR-TIBET BORDER REGION
	02	14	21	31.9%	40.642	N	27.870	E	10	G		1.3	7	TURKEY
	02	14	31	25.1	44.194	N	12.129	E	13			1.3	29	NORTHERN ITALY. ML 3.2 (KBA), 3.1 (LDG). MD 2.9 (FIR).
	02	15	38	28.2	52.801	N	168.208	W	33	N	4.8 4.3	1.0	70	FOX ISLANDS, ALEUTIAN ISLANDS
	02	16	01	47.3?	16.19	N	99.54	W	33	N	4.8	0.6	8	NEAR COAST OF GUERRERO, MEXICO. Felt at Acapulco.
	02	16	29	04.0&	59.175	N	153.645	W	95				26	SOUTHERN ALASKA. <AGS-P>.
	02	18	32	37.6*	8.379	S	116.646	E	33	N	3.6	1.2	6	SUMBAWA ISLAND REGION. Felt (II) at Karangasem, Bali.
a	02	18	45	42.3	36.104	N	71.156	E	103	G	5.7	1.2	273	AFGHANISTAN-USSR BORDER REGION. Felt (IV) at Ishkashim, Kulyab and Obigarm; (III) at Kharag, Dushanbe and Samarkand; (II) at Tashkent, USSR. Felt throughout Tajikistan, USSR. Also felt in the Peshawar-Islamabad-Lahore area, Pakistan. Depth from broadband displacement seismograms.
	02	19	21	14.1	29.899	N	139.123	E	387	*	4.4	0.6	49	SOUTH OF HONSHU, JAPAN
	02	20	32	04.7&	59.906	N	152.889	W	99				25	SOUTHERN ALASKA. <AGS-P>.
	02	21	52	44.1%	44.052	N	6.954	E	10	G		0.6	5	FRANCE. ML 2.4 (LDG).
	02	22	55	46.0	16.148	N	122.026	E	33	N	4.9 4.6	1.1	44	LUZON, PHILIPPINE ISLANDS
	03	01	17	08.0	49.928	N	78.829	E	0	G	6.2 4.7	0.9	446	EASTERN KAZAKH SSR
	03	01	31	55.1*	29.396	S	66.726	W	33	N		1.3	6	LA RIOJA PROVINCE, ARGENTINA
	03	01	49	49.0&	60.000	N	151.986	W	51				34	KENAI PENINSULA, ALASKA. <AGS-P>.
	03	02	17	54.7&	59.406	N	137.601	W	16				15	SOUTHEASTERN ALASKA. <AGS-P>.
	03	02	29	19.7*	38.657	N	21.138	E	10	G		1.2	12	GREECE. ML 3.5 (ATH).
	03	03	23	13.0&	32.990	N	117.740	W	6	G			9	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS).
a	03	03	32	21.2	25.240	S	179.875	E	483		5.2	1.0	79	SOUTH OF FIJI ISLANDS
	03	03	35	30.4%	60.633	N	4.870	E	10	G		0.3	7	SOUTHERN NORWAY. MD 2.1 (BER).
	03	05	33	29.2&	34.030	N	117.270	W	10				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt in the Redlands area.
	03	05	35	02.5?	19.28	S	168.71	E	121	*	4.0	1.4	12	VANUATU ISLANDS
	03	05	38	12.7?	35.44	N	27.05	E	10	G		0.9	7	DODECANESE ISLANDS
	03	05	48	00.9	24.817	N	95.226	E	152	*	4.6	0.8	20	BURMA
	03	05	57	39.1	37.510	N	118.830	W	5	G		0.6	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (BRK), 3.2 (PAS).
	03	06	09	47.9?	6.90	N	73.08	W	161	*		1.4	7	NORTHERN COLOMBIA
	03	07	25	58.1	45.135	N	6.573	E	10	G		1.1	9	FRANCE. ML 2.9 (LDG).
	03	07	44	12.9?	51.76	N	16.75	E	10	G		0.6	7	POLAND. ML 3.5 (KBA), 3.4 (VKA).
	03	07	46	29.2*	45.068	N	28.038	W	10	G	4.5	1.0	15	NORTH ATLANTIC RIDGE
	03	08	30	03.1%	40.389	N	30.158	E	10	G		1.3	8	TURKEY
	03	08	58	52.2*	7.895	S	118.251	E	33	N	3.3	0.5	6	FLORES SEA
	03	09	12	15.5	41.914	N	23.145	E	10	G		0.9	10	GREECE-BULGARIA BORDER REGION. ML 2.3 (SKO).
	03	09	14	49.8&	34.030	N	117.270	W	10				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	03	10	01	22.4	39.738	N	23.975	E	10	G		1.3	13	AEGEAN SEA. ML 3.0 (ATH).
	03	10	55	41.9*	31.876	S	69.554	W	10	G		1.3	11	SAN JUAN PROVINCE, ARGENTINA
	03	11	10	21.0	27.359	S	63.353	W	581		4.7	0.9	89	SANTIAGO DEL ESTERO PROV., ARG.
	03	12	00	13.4?	50.17	N	6.81	E	10	G		0.3	5	GERMANY
	03	14	44	57.7?	4.84	S	132.48	E	33	N	3.7	1.3	6	WEST IRIAN REGION
	03	15	02	42.8	59.946	N	5.060	E	10	G		0.1	6	SOUTHERN NORWAY. MD 2.1 (BER).
	03	17	19	40.8&	60.146	N	152.977	W	113				29	SOUTHERN ALASKA. <AGS-P>.
	03	17	33	18.1	6.983	S	155.568	E	62		4.7	0.7	29	SOLOMON ISLANDS
	03	17	44	50.1	4.169	S	129.573	E	33	N	5.1	1.1	35	BANDA SEA
	03	17	53	48.2*	18.770	S	174.456	W	145	?	4.7	1.2	29	TONGA ISLANDS
a	03	17	54	23.6	4.731	S	144.216	E	91		5.7	1.0	191	NEAR N COAST OF PAPUA NEW GUINEA
	03	20	26	18.6%	40.673	N	26.962	E	10	G		1.1	5	TURKEY
	03	20	56	56.2	39.744	N	23.836	E	5	G		1.5	11	AEGEAN SEA. ML 3.0 (ATH).
	04	00	17	03.2	14.478	S	70.796	W	186		5.1	0.9	73	PERU
	04	01	00	28.4?	5.90	S	147.40	E	176	?	4.3	1.5	6	EAST PAPUA NEW GUINEA REGION
	04	01	17	24.1	40.713	N	22.362	E	10	G		0.6	8	GREECE. ML 2.0 (SKO).
	04	01	37	59.8	40.718	N	22.412	E	10	G		0.5	8	GREECE. ML 1.6 (SKO).
	04	01	45	31.2&	58.488	N	155.710	W	148				35	ALASKA PENINSULA. <AGS-P>.
	04	01	48	49.1	41.155	N	22.891	E	10	G		0.1	6	YUGOSLAVIA
	04	03	11	34.3&	37.713	N	122.082	W	4				13	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Mo=3.7*10**13 Nm (BRK). Felt at San Leandra.
	04	04	28	40.9*	53.059	N	172.526	W	203	*	4.3	1.3	12	ANDREANOF ISLANDS, ALEUTIAN IS.
	04	04	56	15.4?	22.92	N	100.41	E	33	N	3.4	0.8	6	BURMA-CHINA BORDER REGION
	04	05	42	19.1%	40.807	N	28.087	E	10	G		0.7	8	TURKEY
	04	06	00	55.9*	5.868	S	148.167	E	236		4.5	0.6	13	NEW BRITAIN REGION
	04	06	24	34.8&	37.675	N	113.027	W	5	G			10	UTAH. <SLC-P>. ML 3.0 (NEIS). Felt (V) at Cedar City and (III) at Paraganah.
	04	07	29	10.2*	67.261	N	7.760	E	10	G		1.3	17	NORWEGIAN SEA. MD 3.1 (BER).
a	04	07	58	39.0	22.155	S	179.539	W	585		5.4	1.0	89	SOUTH OF FIJI ISLANDS
a	04	09	51	38.2	16.772	S	172.725	W	34	D	5.4	1.2	110	SAMOA ISLANDS REGION
	04	10	39	10.9*	55.012	N	161.924	E	33	N	4.6 4.4	1.0	22	NEAR EAST COAST OF KAMCHATKA
	04	11	53	43.5%	39.881	N	28.911	E	10	G		0.4	5	TURKEY
	04	11	56	04.3*	33.622	S	71.451	W	61	*	4.1	1.2	14	NEAR COAST OF CENTRAL CHILE. Felt (III) at Santiago.
	04	12	12	17.0	14.658	S	75.387	W	55	D	5.2	1.0	74	NEAR COAST OF PERU. Felt (IV) in the Ica area.
	04	14	48	06.6	6.841	S	155.469	E	65		4.4	0.8	22	SOLOMON ISLANDS. Felt (II) at Arawa, Bougainville.
	04	15	59	07.9	36.920	N	28.361	E	21		4.7	1.1	107	DODECANESE ISLANDS. ML 4.3 (ATH). Felt in the Mugla, Turkey area.
	04	16	16	15.3	36.976	N	28.284	E	50	?		1.3	11	DODECANESE ISLANDS
	04	16	19	23.0*	52.562	N	170.356	W	33	N	4.3	0.9	9	FOX ISLANDS, ALEUTIAN ISLANDS
	04	17	07	32.2*	16.336	S	178.032	E	33	N	4.5	1.0	10	FIJI ISLANDS
	04	17	08	30.6%	46.166	N	2.078	E	10	G		0.5	7	FRANCE. ML 1.6 (LDG).
	04	17	38	17.8	38.924	N	15.712	E	223		4.4	1.2	49	SICILY
	04	17	41	56.4	11.672	S	117.387	E	33	N	4.6	1.3	23	SOUTH OF SUMBAWA ISLAND
	04	17	45	13.3	42.452	N	79.950	E	33	N	4.1 4.1	0.5	17	ALMA-ATA REGION
	04	18	27	33.6*	36.994	N	28.206	E	10	G		1.3	5	DODECANESE ISLANDS
	04	19	03	48.8%	46.165	N	2.066	E	13			0.6	10	FRANCE. ML 2.0 (LDG).
	04	19	46	24.2*	23.955	S	70.372	W	41	*	4.9	1.1	13	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antafagasta.
	04	20	05	32.2*	21.326	S	68.714	W	194	*	5.1	1.2	9	CHILE-BOLIVIA BORDER REGION
	04	20	12	43.3?	29.34	N	130.67	E	33	N	4.9	1.3	10	RYUKYU ISLANDS
	04	20	32	14.9*	58.746	S	25.262	W	33	N	5.0	0.8	29	SOUTH SANDWICH ISLANDS REGION

	04	23 32 04.5	42.309 N	18.925 E	10 G			1.5	9	YUGOSLAVIA. ML 2.7 (TTG).
	04	23 33 09.5	46.492 N	9.925 E	8			1.1	30	SWITZERLAND. ML 2.9 (LDG), 2.7 (KBA).
	04	23 33 29.0	42.331 N	18.904 E	10 G			1.3	9	YUGOSLAVIA. ML 2.9 (TTG). Felt in the Budva area.
	05	00 58 33.1?	42.29 N	18.96 E	10 G			0.1	4	YUGOSLAVIA. ML 2.3 (TTG).
	05	01 06 44.6&	48.236 N	121.760 W	8				7	WASHINGTON. <SEA-P>. CL 2.9 (SEA). Felt at Whitehorse.
	05	01 10 37.5	45.781 N	7.441 E	10 G			1.3	7	NORTHERN ITALY
	05	01 29 14.1?	51.67 N	7.63 E	10 G			1.7	5	GERMANY
	05	01 49 19.0&	65.887 N	135.053 W	18	4.5			25	NORTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 4.4 (PGC).
	05	02 20 11.8*	12.832 S	114.191 E	10 G	4.1		1.3	9	NORTHWEST OF AUSTRALIA
	05	07 31 58.5%	40.706 N	29.626 E	10 G			0.3	7	TURKEY
	05	08 20 11.3?	21.95 S	67.70 W	33 N			0.9	5	CHILE-BOLIVIA BORDER REGION
	05	09 45 32.4	15.940 N	60.831 W	33 N			0.4	6	LEEWARD ISLANDS. ML 2.3 (FDF).
	05	09 54 48.9	45.795 N	7.262 E	10 G			0.7	7	NORTHERN ITALY
o	05	11 33 28.7*	42.363 S	18.565 W	10 G	5.1	5.0	1.3	38	SOUTH ATLANTIC RIDGE
	05	13 29 07.0	20.341 S	178.330 W	554	4.8		1.0	22	FIJI ISLANDS REGION
	05	16 07 50.5*	13.301 S	75.196 W	33 N			1.2	7	PERU
	05	17 40 07.9?	54.70 N	161.13 E	33 N	4.7		1.5	10	NEAR EAST COAST OF KAMCHATKA
	05	18 03 43.3?	52.04 N	17.06 E	10 G			0.6	9	POLAND. ML 3.4 (VKA), 3.3 (KBA).
	05	20 33 42.0?	11.31 N	85.73 W	212 ?			0.2	8	NICARAGUA
	05	20 36 08.6*	44.221 N	12.195 E	5 G			1.6	5	NORTHERN ITALY
	05	20 46 26.6*	27.200 N	44.181 W	10 G	4.8	4.2	1.5	12	NORTH ATLANTIC RIDGE
	05	21 46 38.5*	51.664 N	16.358 E	10 G			0.6	8	POLAND. ML 3.5 (VKA), 3.3 (KBA).
	05	23 38 14.3	51.863 N	173.613 W	33 N	4.7		0.6	22	ANDREANOF ISLANDS, ALEUTIAN IS.
	06	00 24 09.7	51.787 N	173.544 W	33 N	4.7	4.6	1.1	100	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR).
	06	00 49 47.4*	51.449 N	173.563 W	33 N	4.8		1.0	17	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
	06	01 04 16.3*	51.773 N	173.603 W	33 N	4.0		0.5	17	ANDREANOF ISLANDS, ALEUTIAN IS.
	06	02 19 52.3&	57.910 N	155.799 W	107				33	ALASKA PENINSULA. <AGS-P>.
	06	03 51 15.2*	34.322 N	25.862 E	33 N			0.8	5	CRETE
	06	04 11 28.3&	36.675 N	121.360 W	6				11	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	06	04 46 12.2&	39.178 N	120.433 W	14				11	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK)
	06	05 16 45.5%	46.538 N	9.802 E	10 G			0.3	5	SWITZERLAND
a	06	07 19 51.0*	62.639 S	155.399 E	10 G	5.2	4.9	1.0	24	BALLENY ISLANDS REGION
	06	08 08 53.0?	20.17 S	178.52 W	621 *	4.4		1.2	13	FIJI ISLANDS REGION
	06	09 16 44.7*	50.791 N	172.928 W	33 N	4.5		1.1	21	ANDREANOF ISLANDS, ALEUTIAN IS.
	06	09 25 40.1	8.076 S	156.358 E	29	5.2	4.3	1.0	106	SOLOMON ISLANDS
	06	10 23 14.2	51.893 N	176.255 W	65	5.1		0.9	116	ANDREANOF ISLANDS, ALEUTIAN IS.
	06	11 35 52.1*	36.733 N	71.201 E	33 N	3.8		0.4	8	AFGHANISTAN-USSR BORDER REGION
	06	12 36 54.0&	59.988 N	153.027 W	107				24	SOUTHERN ALASKA. <AGS-P>.
	06	13 06 04.9	60.726 N	5.556 E	10 G			0.4	6	SOUTHERN NORWAY. MD 2.1 (BER).
	06	14 57 19.4?	58.96 N	6.34 E	10 G			1.2	5	SOUTHERN NORWAY. MD 2.1 (BER).
	06	15 01 14.6*	37.361 N	71.991 E	102 ?	4.4		1.0	9	AFGHANISTAN-USSR BORDER REGION
	06	16 44 06.4*	11.570 S	118.079 E	33 N	3.8		1.0	10	SOUTH OF SUMBAWA ISLAND
	06	17 00 53.5%	46.176 N	2.073 E	10 G			0.5	8	FRANCE. ML 1.9 (LDG).
	06	18 51 38.4	6.023 S	151.039 E	40	5.2		0.9	144	NEW BRITAIN REGION
	06	1B 56 52.7	19.406 N	146.606 E	69 *	4.7		1.2	41	MARIANA ISLANDS REGION
	06	19 18 34.1*	0.847 N	98.627 E	70 ?	4.0		1.4	8	NORTHERN SUMATERA
	06	19 20 23.0?	16.06 S	177.87 E	33 N			0.8	6	FIJI ISLANDS
	06	21 07 32.4	3.466 N	128.304 E	33 N	4.7		1.0	18	NORTH OF HALMAHERA
	06	21 10 42.3?	6.21 S	149.07 E	74 ?			0.9	5	NEW BRITAIN REGION
	06	22 00 47.5?	9.52 S	164.00 E	33 N	4.5		0.8	7	SANTA CRUZ ISLANDS REGION
	06	22 29 23.3?	26.87 N	142.84 E	33 N	4.6		1.5	9	BONIN ISLANDS REGION
	06	23 28 37.1	26.469 N	95.898 E	102 *	4.5		0.7	41	BURMA-INDIA BORDER REGION
	07	00 34 00.7?	28.68 N	57.04 E	33 N	4.0		0.9	6	SOUTHERN IRAN
	07	00 36 49.9	40.424 N	23.528 E	10 G			0.6	7	GREECE
f	07	00 40 43.4	37.363 N	141.796 E	29 G	6.4	6.6	1.0	545	NEAR EAST COAST OF HONSHU, JAPAN. Ms 6.4 (PAS), 6.2 (BRK). Minor damage (V JMA) in the Onahama-Watari orea. Felt (IV JMA) at Fukushima, Sendai and Takya; (III JMA) at Niigata, Maebashi, and Yakahama; (II JMA) at Hachinohe and Ajiro, Hanshu and Obihiro, Hakkaido. Felt (I JMA) from Shizuoka, Honshu to Kushiro, Hokkaido and on Hachijo-jima. Depth from braadband displacement seismograms.
	07	00 51 36.6	22.782 S	66.074 W	205	5.5		0.8	191	JUJUY PROVINCE, ARGENTINA. Felt (III) at Antafagasta, Chile.
	07	02 02 46.5	19.575 N	92.086 W	10 G	4.7		0.9	39	GULF OF CAMPECHE
	07	05 29 05.8*	19.079 N	146.000 E	33 N	4.4		1.0	20	MARIANA ISLANDS
	07	05 57 03.4*	2.495 N	126.736 E	117 *	4.8		1.1	25	MOLUCCA PASSAGE
	07	07 39 21.9*	13.135 N	45.035 W	10 G	4.4	3.8	0.9	9	NORTH ATLANTIC RIDGE
	07	09 35 17.9?	42.33 N	18.96 E	10 G			0.2	4	YUGOSLAVIA. ML 2.0 (TTG).
	07	10 44 12.2	47.700 N	9.074 E	10 G			1.0	10	GERMANY
	07	13 10 08.7*	60.698 N	5.621 E	0 G			0.7	5	SOUTHERN NORWAY. MD 2.1 (BER). Prabable explosion.
	07	13 34 52.4	46.526 N	10.317 E	5 G	4.6		1.2	42	NORTHERN ITALY. ML 3.4 (LDG), 3.4 (KBA), 3.2 (FUR).
	07	15 04 16.7	39.705 N	23.858 E	15			0.9	20	AEGEAN SEA. ML 3.6 (ATH).
	07	15 56 33.7*	53.491 N	167.360 W	33 N	4.6		1.2	29	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
	07	17 29 17.2?	17.34 S	178.89 W	514 *	4.6		1.0	29	FIJI ISLANDS REGION
	07	18 21 29.5&	32.950 N	117.780 W	6 G				6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	07	20 04 21.3	46.439 N	12.416 E	10 G			1.1	70	NORTHERN ITALY. ML 4.1 (FUR), 3.7 (VKA), 3.2 (KBA). MD 3.7 (FIR), 3.6 (TRI).
	07	20 17 35.0*	23.285 N	143.719 E	33 N	4.1		1.1	20	VOLCANO ISLANDS REGION
	07	20 25 33.6%	15.082 N	60.821 W	33 N			0.2	7	LEEWARD ISLANDS. ML 2.4 (FDF).
	07	21 17 16.6*	36.342 N	77.611 E	33 N	4.0		1.4	11	KASHMIR-XINJIANG BORDER REGION
	07	21 23 17.9	51.491 N	6.551 E	10 G			0.7	8	GERMANY
	07	22 48 18.9*	11.794 N	125.715 E	33 N	3.7		0.9	8	SAMAR, PHILIPPINE ISLANDS
	07	23 56 03.2	41.333 N	24.460 E	10 G			0.9	12	GREECE-BULGARIA BORDER REGION
	08	00 00 59.4?	41.17 N	24.15 E	10 G			0.3	5	GREECE-BULGARIA BORDER REGION
	08	01 31 57.2*	0.111 N	130.419 E	33 N	4.8		1.1	11	WEST IRIAN REGION
	08	01 32 00.2	42.165 N	25.092 E	10 G			1.3	11	BULGARIA
	08	02 15 47.4*	7.656 S	123.312 E	261 ?	5.2		1.4	11	BANDA SEA
	08	02 58 32.9?	41.21 N	24.24 E	10 G			1.0	5	GREECE-BULGARIA BORDER REGION
	08	03 31 49.5	41.161 N	19.534 E	10 G			0.6	12	ALBANIA. ML 2.9 (TTG).
	08	04 39 57.4?	5.27 S	131.91 E	33 N	4.5		1.4	7	BANDA SEA
	08	05 45 38.5*	7.680 S	128.432 E	33 N	4.8		1.5	12	BANDA SEA

	08	06	25	23.3?	0.19	N	130.55	E	33	N	4.6	1.4	8	WEST IRIAN REGION
	08	06	30	32.4	0.086	N	130.107	E	33	N	5.3 4.5	1.0	65	WEST IRIAN REGION
	08	06	41	01.5*	51.369	N	179.954	E	33	N	4.7	0.8	25	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
	08	06	58	41.5*	36.675	N	142.025	E	53	*	4.4	1.2	33	OFF EAST COAST OF HONSHU, JAPAN
	08	07	26	32.2*	27.986	S	176.941	W	33	N	4.6	0.9	11	KERMADEC ISLANDS REGION
	08	08	05	19.0	39.016	N	25.653	E	25			1.0	12	AEGEAN SEA. ML 3.0 (ATH).
	08	08	51	33.0	22.072	S	179.755	W	633	*	4.7	0.6	43	SOUTH OF FIJI ISLANDS
	08	09	18	34.6?	43.81	S	78.89	W	10	G	4.6 5.0	1.2	13	OFF COAST OF SOUTHERN CHILE
	08	09	20	23.1%	40.796	N	22.091	E	10	G		0.4	6	GREECE
a	08	09	49	38.1	5.436	S	152.928	E	50		5.4 5.2	1.1	169	NEW BRITAIN REGION. Felt (III) at Rabaul.
	08	11	17	21.8&	62.615	N	151.169	W	88				21	CENTRAL ALASKA. <AGS-P>.
	08	12	16	42.6	36.369	N	25.992	E	128	*	4.0	0.7	11	DODECANESE ISLANDS
	08	12	21	13.7*	10.645	S	163.241	E	33	N	5.4	1.4	16	SOLOMON ISLANDS
	08	13	14	30.0	36.111	N	27.072	E	32		4.2	1.2	53	DODECANESE ISLANDS. ML 4.7 (ATH).
	08	13	24	12.8&	58.565	N	138.802	W	17	G			10	SOUTHEASTERN ALASKA. <AGS-P>.
	08	14	01	46.4	62.904	N	150.543	W	124	?		0.5	10	CENTRAL ALASKA
	08	14	05	18.5*	27.890	N	139.713	E	520	?	4.2	0.7	10	BONIN ISLANDS REGION
	08	14	33	21.7&	49.709	N	123.587	W	2				20	VANCOUVER ISLAND REGION. <PGC>. ML 3.8 (PGC). Felt (IV) at Lantzville and Squamish. Felt at Garibaldi, Whistler and in the False Creek District of Vancouver. Also felt along the east coost of Vancouver Island from Courtenay to Nanaimo.
	08	15	45	13.2	11.691	N	87.294	W	42		4.8 4.4	1.2	102	NEAR COAST OF NICARAGUA
	08	16	11	07.8?	45.59	N	26.48	E	124	?		0.4	7	ROMANIA
	08	16	52	34.4*	7.949	S	128.316	E	33	N	4.4	1.3	5	BANDA SEA
	08	17	11	04.6*	36.719	N	5.321	W	10	G		1.3	5	STRAIT OF GIBRALTAR
a	08	17	42	37.2	11.678	N	86.401	W	56		5.3 6.4	1.1	276	NEAR COAST OF NICARAGUA. Ms 6.3 (BRK), 5.8 (PAS). Felt strongly in the Managuo area. Also felt in northern Costa Rica and at San Salvadar, El Salvador.
	08	19	53	46.4	42.352	N	19.846	E	10	G		1.1	9	YUGOSLAVIA. ML 2.5 (TTG).
	08	19	58	03.6	8.610	S	111.063	E	64	*	4.8	1.0	38	JAVA
	08	20	51	37.9	43.101	N	12.792	E	10			1.3	45	CENTRAL ITALY. ML 3.7 (KBA), 3.6 (TRI), 3.5 (LDG). MD 3.8 (ROM).
	08	21	40	20.9&	59.257	N	145.037	W	57				34	GULF OF ALASKA. <AGS-P>.
	08	22	43	46.1	25.101	S	179.735	E	506		5.0	1.0	73	SOUTH OF FIJI ISLANDS
	08	23	28	44.0	8.106	N	77.486	W	24		4.4	0.8	15	PANAMA-COLOMBIA BORDER REGION
	09	00	02	48.5*	36.197	N	26.903	E	10	G		1.5	9	DODECANESE ISLANDS
	09	00	09	09.9?	36.10	N	27.07	E	10	G		1.2	4	DODECANESE ISLANDS
	09	00	25	23.1?	35.99	N	27.21	E	10	G		0.4	4	DODECANESE ISLANDS
a	09	00	48	55.5	1.242	N	128.432	E	45		5.5 6.1	1.2	187	HALMAHERA
	09	01	03	12.9%	39.775	N	23.611	E	10	G		0.2	7	AEGEAN SEA
	09	01	36	01.9*	1.121	N	128.637	E	33	N	4.5	1.4	14	HALMAHERA
	09	02	51	50.6*	1.231	N	128.801	E	33	N	4.8	1.2	14	HALMAHERA
	09	03	00	07.6	32.439	N	29.034	E	33	N	4.5	1.1	112	EASTERN MEDITERRANEAN SEA
	09	04	55	46.3*	44.431	N	149.127	E	33	N	4.7	0.6	24	KURIL ISLANDS
	09	05	08	37.2?	32.56	S	177.46	W	33	N	4.7	1.2	9	SOUTH OF KERMADEC ISLANDS
	09	07	25	35.7	35.499	N	87.074	E	33	N	4.8 4.9	1.2	52	TIBET
	09	07	50	36.3	35.830	N	140.775	E	65		4.9	1.2	34	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito.
	09	07	50	55.5*	52.407	N	168.699	W	33	N	4.8	1.0	17	FOX ISLANDS, ALEUTIAN ISLANDS
	09	08	24	35.9	46.359	N	6.833	E	11			1.0	35	SWITZERLAND. ML 3.1 (LDG).
	09	08	37	36.6?	16.52	N	61.64	W	33	N		1.2	5	LEEWARD ISLANDS. ML 2.2 (FDF).
	09	08	43	59.2	40.120	N	19.778	E	11			1.1	21	ALBANIA. MG 3.3 (TIR).
	09	10	39	57.0?	39.23	N	26.82	E	10	G		1.6	5	TURKEY
	09	10	50	05.9%	46.016	N	2.776	E	10	G		0.6	12	FRANCE. ML 2.7 (LDG).
	09	10	56	57.5	45.059	N	150.534	E	33	N	4.7	0.9	38	KURIL ISLANDS
	09	13	18	40.0	41.837	N	24.276	E	10	G		0.6	9	GREECE-BULGARIA BORDER REGION
	09	14	13	08.6	6.849	N	72.959	W	173		4.7	0.7	64	NORTHERN COLOMBIA
	09	14	29	33.5*	50.361	N	5.608	E	10	G		0.7	5	BELGIUM
	09	14	38	55.0	46.541	N	10.346	E	5	G		1.2	31	NORTHERN ITALY. ML 3.0 (KBA).
	09	15	42	38.7?	25.02	S	179.68	E	619	?	5.0	1.0	16	SOUTH OF FIJI ISLANDS
	09	15	52	52.9?	9.49	N	86.20	W	10	G		0.4	8	OFF COAST OF COSTA RICA. MD 4.4 (HDC).
	09	16	41	49.2	20.823	S	68.724	W	129		4.2	1.1	27	CHILE-BOLIVIA BORDER REGION
	09	16	44	22.4*	51.421	N	175.992	W	33	N	4.7	1.2	22	ANDREANOF ISLANDS, ALEUTIAN IS.
	09	16	55	44.4?	9.67	S	113.59	E	33	N	4.4	1.3	7	SOUTH OF JAVA
	09	17	12	14.4	46.635	N	144.286	E	313	*	4.3	0.7	42	SEA OF OKHOTSK
	09	18	26	32.1	44.195	N	12.120	E	11			1.3	35	NORTHERN ITALY. ML 3.2 (LDG), 3.3 (KBA).
	09	20	01	19.5	35.509	N	80.646	E	33	N	4.9	1.3	34	KASHMIR-TIBET BORDER REGION
	09	20	34	09.1&	40.952	N	123.483	W	22		4.3		32	NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK). Felt (IV) at Big Bar, Burnt Ranch, Kneeland and Loleta. Felt (III) at Bayside, Eureka, French Gulch, Helena, Korbel, Orleans, Platina, Salyer and Willow Creek. Also felt at Arcata, Dunsmuir, Mad River and Myers Flat.
	09	22	16	55.6%	38.699	N	30.837	E	10	G		0.6	6	TURKEY
	09	22	52	36.6&	60.006	N	151.938	W	55				32	KENAI PENINSULA, ALASKA. <AGS-P>.
a	09	22	59	54.7	52.834	N	168.309	W	33	N	5.3 5.1	1.0	218	FOX ISLANDS, ALEUTIAN ISLANDS. Ms 5.0 (BRK).
	10	02	26	59.7%	38.693	N	30.837	E	10	G		0.9	10	TURKEY
	10	04	51	38.6&	37.340	N	121.752	W	5				19	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK).
	10	04	51	46.4&	37.563	N	121.677	W	8				15	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=5.9*10**14 Nm (BRK). Felt (III) at Fremont and Pleasanton.
	10	05	00	45.8&	37.345	N	121.748	W	4				14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	10	06	13	47.4	6.342	S	147.527	E	86		5.2	1.0	97	EAST PAPUA NEW GUINEA REGION
a	10	06	43	25.3	37.093	N	57.610	E	46	*	4.9	1.1	143	IRAN-USSR BORDER REGION. Minor damage in the Esfarayen area, Iran.
	10	07	58	26.5	47.477	N	7.865	E	10	G		1.1	20	SWITZERLAND. ML 3.1 (LDG).
	10	08	23	25.3%	47.500	N	7.877	E	10	G		1.0	7	SWITZERLAND
	10	08	24	49.0&	32.960	N	117.820	W	6	G			9	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS). Felt in the Oceanside area.
	10	08	46	37.5*	36.439	N	71.359	E	33	N	4.4	0.4	9	AFGHANISTAN-USSR BORDER REGION
	10	10	59	40.5	36.057	N	139.718	E	70		5.1	1.0	151	HONSHU, JAPAN. Felt (IV JMA) at Kumagaya; (III JMA) at Maebashi, Mito, Tokyo and Utsunomiya; (II JMA) at Onahama and in the Tateyama-Kofu area.
	10	11	12	05.7%	60.384	N	5.415	E	0	G		0.2	6	SOUTHERN NORWAY. MD 2.0 (BER). Probable explosion.

	10	11 24 48.9%	60.696	N	5.638	E	0	G			0.8	5	SOUTHERN NORWAY. MD 2.1 (BER). Probable explosion.
	10	13 52 58.8	39.419	N	28.307	E	10	G			0.9	9	TURKEY
	10	18 40 57.0&	35.740	N	117.560	W	4					24	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	10	18 43 07.2*	0.113	N	130.088	E	33	N	4.8	4.2	1.2	21	WEST IRIAN REGION
	10	20 53 28.5&	59.372	N	145.071	W	23					19	GULF OF ALASKA. <AGS-P>.
	10	21 02 18.7?	19.31	N	143.61	E	33	N	4.6		1.3	8	MARIANA ISLANDS REGION
	10	21 26 58.0*	60.566	N	4.767	E	0	G			1.0	6	SOUTHERN NORWAY. MD 2.1 (BER). Probable explosion.
	10	22 10 00.8	16.807	S	174.283	W	197	*	5.0		1.1	56	TONGA ISLANDS
	10	23 03 29.7	46.178	N	152.372	E	33	N	5.2	4.1	0.9	96	KURIL ISLANDS
	11	01 36 58.3	41.616	N	12.609	E	17		3.5		1.3	41	SOUTHERN ITALY. MD 3.9 (FIR), 3.7 (ROM). Felt in the Genzono di Roma-Velletri areo. Also felt ot Rome.
	11	01 59 04.0	7.548	S	146.994	E	14		5.3		1.0	50	EAST PAPUA NEW GUINEA REGION. ML 5.2 (PMG).
	11	02 07 13.8	15.536	N	60.878	W	30				0.4	11	LEEWARD ISLANDS. ML 2.9 (FDF).
	11	02 26 23.6	41.639	N	12.606	E	18				1.2	68	SOUTHERN ITALY. MD 4.1 (FIR), 3.8 (ROM). One person injured slightly ond minor damage in the Genzono di Roma-Velletri areo. Felt at Rome.
	11	03 14 39.9	47.443	N	7.816	E	20				1.1	39	SWITZERLAND. ML 3.7 (LDG), 3.4 (KBA). Felt in the Basel areo.
	11	03 50 45.4	39.757	N	23.950	E	10	G			1.4	15	AEGEAN SEA. ML 3.1 (ATH).
	11	04 05 50.9?	31.55	N	140.12	E	121	?	4.0		0.5	9	SOUTH OF HONSHU, JAPAN
	11	04 54 33.7*	41.443	N	12.635	E	10	G			1.4	9	SOUTHERN ITALY
	11	07 21 04.6	47.432	N	7.808	E	10	G			1.1	25	SWITZERLAND. ML 3.2 (LDG), 2.8 (KBA).
	11	08 02 24.5*	24.565	S	69.199	W	67	*	4.6		1.2	20	NORTHERN CHILE. Felt (III) at Antofagasta.
	11	09 05 09.5*	20.553	S	173.836	W	33	N	4.8		1.4	35	TONGA ISLANDS
	11	11 50 27.2*	11.537	N	144.598	E	44	*	4.7		0.9	24	SOUTH OF MARIANA ISLANDS
	11	12 43 51.0*	0.653	N	126.365	E	67	?	4.8		1.4	22	MOLUCCA PASSAGE
	11	12 46 02.4?	14.48	N	60.69	W	33	N			0.7	6	WINDWARD ISLANDS. MG 2.7 (FDF).
	11	13 02 58.7*	37.991	N	23.123	E	10	G			1.8	5	SOUTHERN GREECE. ML 3.1 (ATH).
a	11	14 25 00.3	11.849	S	166.591	E	185		5.1		0.9	163	SANTA CRUZ ISLANDS
	11	16 22 09.3	53.406	N	167.213	W	33	N	5.1	4.4	1.0	147	FOX ISLANDS, ALEUTIAN ISLANDS
	11	16 30 47.7?	57.46	S	24.76	W	33	N	4.7		1.4	11	SOUTH SANDWICH ISLANDS REGION
	11	17 17 43.5	23.596	N	121.683	E	13		4.2		1.0	25	TAIWAN. Felt on eostern Toiwon.
a	11	18 13 28.3	23.986	N	122.027	E	55		5.6		1.1	225	TAIWAN REGION. Felt on eastern Taiwan.
	11	18 17 36.1*	6.631	N	73.006	W	186	*	4.8		1.2	22	NORTHERN COLOMBIA
	11	18 24 39.7	40.832	N	22.830	E	10	G			0.7	12	GREECE. ML 3.1 (SKO).
	11	18 47 33.7*	33.844	N	136.285	E	32	*			0.9	7	NEAR S. COAST OF SOUTHERN HONSHU. Felt (I JMA) at Owase.
	11	18 53 59.8	1.127	N	128.615	E	48	?	5.1		1.2	42	HALMAHERA
a	11	19 02 06.3	1.024	N	128.462	E	33	N	5.2	5.3	1.3	83	HALMAHERA
	11	19 09 23.0*	14.687	N	146.695	E	46	?	4.2		0.9	16	MARIANA ISLANDS
	11	19 31 00.4?	14.90	S	172.43	W	33	N	4.6		0.6	11	SAMOA ISLANDS
	11	22 01 30.4	31.210	N	132.003	E	5	G	4.8		1.3	45	SOUTHEAST OF SHIKOKU, JAPAN. Felt (I JMA) at Miyazaki and Nobeoka.
	11	22 31 04.4?	21.58	S	179.11	W	619	?	4.2		1.1	15	FIJI ISLANDS REGION
	11	23 50 29.3	31.560	N	56.030	E	24	*	5.0	4.5	1.4	124	IRAN
	12	02 03 48.0*	11.866	S	166.418	E	170	*	4.8		1.3	28	SANTA CRUZ ISLANDS
	12	02 03 52.4*	45.044	N	6.573	E	10	G			0.9	5	FRANCE. ML 2.5 (LDG).
a	12	02 47 20.1	35.502	N	23.370	E	47		5.1		1.3	288	CRETE
	12	02 52 21.5*	36.453	N	5.485	W	10	G			1.1	6	STRAIT OF GIBRALTAR
	12	03 18 43.8	44.840	N	9.882	E	28				1.0	20	NORTHERN ITALY. ML 3.1 (LDG), 2.5 (KBA).
	12	04 35 18.9*	41.969	N	19.210	E	10	G			1.5	8	ALBANIA. MD 2.7 (TTG).
	12	04 50 26.3	28.371	N	56.967	E	33	N	4.5		0.9	20	SOUTHERN IRAN. Felt ot Kerman.
	12	04 56 50.8*	53.536	N	167.306	W	33	N	4.5		0.9	13	FOX ISLANDS, ALEUTIAN ISLANDS
	12	06 59 52.2?	32.10	N	70.83	E	33	N			1.3	7	PAKISTAN
	12	07 03 54.1	28.295	S	67.371	W	109	*	4.3		1.0	21	LA RIOJA PROVINCE, ARGENTINA
	12	09 00 51.8	42.732	N	26.646	E	13		3.8		1.1	30	BULGARIA
	12	09 14 10.0*	38.060	N	137.896	E	40	*	4.0		1.1	11	EASTERN SEA DF JAPAN
	12	10 29 51.0	42.627	N	19.083	E	10	G			0.9	7	YUGOSLAVIA. MD 2.5 (TTG).
	12	10 30 56.0	7.844	N	73.174	W	152		4.5		0.9	24	NORTHERN COLOMBIA
	12	10 50 26.7	53.768	N	35.387	W	10	G	4.6		0.6	24	NORTH ATLANTIC OCEAN
	12	11 35 18.5	44.207	N	12.137	E	11		4.9		1.1	44	NORTHERN ITALY. ML 3.6 (KBA), 3.5 (LDG). MD 3.4 (FIR).
	12	11 38 37.3?	43.04	N	18.37	E	10	G			0.1	4	YUGOSLAVIA. ML 2.5 (TTG).
	12	12 06 15.5*	46.411	N	8.557	E	10	G			0.5	5	SWITZERLAND
	12	12 06 59.9	46.415	N	8.565	E	10	G			1.2	11	SWITZERLAND. ML 2.5 (LDG).
	12	12 23 45.1?	9.51	S	113.45	E	69	?	4.5		0.8	8	SOUTH OF JAVA
	12	13 38 46.3	40.960	N	22.364	E	12				0.3	9	GREECE. ML 2.3 (SKO).
	12	13 47 00.7	40.966	N	22.452	E	10	G			0.4	6	GREECE. ML 1.7 (SKO).
	12	14 15 56.4*	40.490	N	141.988	E	67	*	4.6		0.9	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Hachinohe.
	12	16 17 43.4?	34.87	N	141.05	E	26	*	4.3		1.7	7	OFF EAST COAST OF HONSHU, JAPAN
	12	16 55 21.3*	38.141	N	48.674	E	33	N	3.9		0.6	5	N.W. IRAN-USSR BORDER REGION
	12	17 21 25.6&	61.193	N	151.452	W	72					28	SOUTHERN ALASKA. <AGS-P>.
	12	19 30 01.1	5.094	N	94.225	E	44	*	4.8		0.8	51	NORTHERN SUMATERA
	12	19 59 29.8	10.794	S	162.428	E	106		5.1		0.9	49	SOLOMON ISLANDS
	12	20 50 32.0%	45.178	N	3.100	E	10	G			1.3	12	FRANCE. ML 2.7 (LDG).
	13	00 24 01.5	34.685	N	23.353	E	23	*	4.3		1.3	71	CRETE. ML 3.8 (ATH).
	13	00 31 57.7*	34.604	N	23.302	E	33	N	4.0		1.5	20	CRETE. ML 3.7 (ATH).
	13	01 53 47.6?	42.26	N	20.25	E	10	G			1.5	5	YUGOSLAVIA. ML 2.7 (SKO), 2.3 (TTG).
	13	02 16 59.8	54.674	N	161.875	E	33	N	5.0		0.8	91	NEAR EAST COAST OF KAMCHATKA
a	13	08 06 40.7	37.332	S	78.218	E	10	G	5.3	5.8	1.0	59	MID-INDIAN RISE
a	13	09 11 00.3	16.936	S	179.253	W	514		5.0		1.0	157	FIJI ISLANDS REGION
	13	09 47 00.9&	36.853	N	121.435	W	3					14	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt at Hollister.
	13	10 34 57.9*	11.572	S	117.516	E	33	N	4.9		1.5	21	SOUTH OF SUMBAWA ISLAND
	13	11 23 47.1&	37.263	N	121.680	W	7	G				13	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Felt at San Jose and Sunnyvale.
	13	12 15 24.6*	4.969	S	78.553	W	33	N	4.6		0.8	8	PERU-ECUADOR BORDER REGION
	13	13 05 44.4	20.904	N	63.740	W	33	N			1.0	19	NORTH ATLANTIC OCEAN
	13	15 58 51.4*	15.173	S	167.394	E	150	?	4.6		1.3	51	VANUATU ISLANDS
	13	16 16 42.3%	46.142	N	2.851	E	10	G			0.6	9	FRANCE. ML 2.2 (LDG).
	13	16 18 01.1&	61.725	N	151.741	W	94					31	SOUTHERN ALASKA. <AGS-P>.
	13	16 21 47.8	60.691	N	5.676	E	0	G			0.4	6	SOUTHERN NORWAY. MD 2.0 (BER). Probable explosion.
	13	17 18 43.1	7.163	S	124.629	E	517	?	5.0		1.0	35	BANDA SEA

	13	17 47 45.8	28.492	N	50.831	E	10	G	4.4		1.1	15	PERSIAN GULF
	13	18 57 06.8?	64.00	N	11.27	E	10	G			0.6	7	SOUTHERN NORWAY. MD 2.7 (BER).
	13	20 38 18 7*	43.130	N	0.213	E	10	G			0.8	12	FRANCE. ML 3.6 (LDG).
	13	21 44 00.1?	5.84	S	103.76	E	33	N	4.3		0 6	8	SOUTHERN SUMATERA
a	14	00 13 10.1	15.658	S	14.982	W	10	G	5.3	5.0	1.3	117	SOUTH ATLANTIC RIDGE
f	14	02 08 13.7	18.802	N	146.951	E	23	G	5.7	6.1	1.0	281	MARIANA ISLANDS. Ms 6.0 (PAS), 5.8 (BRK). Depth from broadband displacement seismograms.
	14	02 25 24.0*	19.000	N	146.921	E	33	N	5.0		1.2	19	MARIANA ISLANDS
	14	02 33 35.6*	53.436	N	167.434	W	33	N	4.4		0.8	8	FOX ISLANDS, ALEUTIAN ISLANDS
	14	02 44 50.8?	18.77	N	147.36	E	33	N	4.4		1.0	10	MARIANA ISLANDS REGION
	14	03 04 12.3	18.816	N	146.874	E	47	*	4.9		0.8	59	MARIANA ISLANDS
	14	03 11 20.9	18.805	N	146.900	E	39	*	5.0	5.0	1.0	108	MARIANA ISLANDS
	14	03 51 10.0*	18.742	N	146.709	E	33	N	4.9		1.1	18	MARIANA ISLANDS
	14	03 53 57.9	18.819	N	146.883	E	33	N	5.1		0.9	26	MARIANA ISLANDS
	14	03 58 48.6	40.100	N	29.322	E	10	G			0.9	8	TURKEY
	14	04 35 20.7*	18.970	N	146.986	E	33	N	4.7		1.1	16	MARIANA ISLANDS
	14	04 37 55.2&	60.254	N	152.278	W	81					31	SOUTHERN ALASKA. <AGS-P>.
	14	05 08 22.4*	23.314	S	68.980	W	89	*	4.4		1.5	13	NORTHERN CHILE
	14	05 21 05.3	18.834	N	146.880	E	52	*	5.1		0.9	37	MARIANA ISLANDS
	14	05 31 27.4*	18.081	S	69.299	W	148		4.4		1.3	21	NORTHERN CHILE
	14	05 48 06.8%	46.200	N	2.115	E	10	G			1.5	7	FRANCE
a	14	06 10 50.5	18.796	N	146.992	E	37	*	5.2	5.2	1.2	137	MARIANA ISLANDS. Ms 5.6 (BRK).
	14	06 42 23.9&	35.652	N	120.937	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Felt at Adelaido.
	14	08 06 12.1*	18.899	N	147.066	E	33	N	4.4		1.2	12	MARIANA ISLANDS REGION
	14	09 39 22.6%	39.658	N	29.507	E	10	G			0.7	6	TURKEY
	14	09 39 53.5*	26.692	S	26.614	E	13		4.9		1.6	17	REPUBLIC OF SOUTH AFRICA
	14	09 41 27.0%	39.629	N	29.470	E	10	G			0.5	5	TURKEY
	14	09 43 51.3%	39.667	N	29.394	E	10	G			1.6	7	TURKEY
	14	10 09 39.9%	39.662	N	29.353	E	10	G			0.5	5	TURKEY
	14	11 38 19.3	44.489	N	8.692	E	10	G			0.7	24	NORTHERN ITALY
	14	11 52 50.2?	51.01	N	179.00	W	33	N			1.5	10	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR).
	14	13 12 20.4	47.967	N	147.075	E	432		4.6		0.7	112	NORTHWEST OF KURIL ISLANDS
	14	14 23 03.4?	52.91	N	169.40	W	33	N	4.6		0.8	12	FOX ISLANDS, ALEUTIAN ISLANDS
	14	15 19 45.0*	7.378	N	125.759	E	33	N	4.5		1.0	11	MINDANAO, PHILIPPINE ISLANDS
	14	15 21 35.8*	24.037	S	66.731	W	190	*			0.4	8	SALTA PROVINCE, ARGENTINA
a	14	17 20 40.0	58.341	S	25.421	W	33	N	5.5	5.1	0.9	144	SOUTH SANDWICH ISLANDS REGION
	14	18 54 36.2	47.765	N	5.366	E	10	G			0.8	12	FRANCE. ML 3.0 (LDG).
	14	19 10 16.3*	18.911	N	147.158	E	33	N	4.0		1.2	8	MARIANA ISLANDS REGION
	14	19 50 26.7?	34.34	S	68.60	W	33	N			0.8	10	MENDOZA PROVINCE, ARGENTINA
	14	20 19 04.6?	35.12	N	27.23	E	10	G			1.3	5	DODECANESE ISLANDS
	14	21 16 39.0?	34.08	N	141.67	E	33	N	4.0		0.5	5	OFF EAST COAST OF HONSHU, JAPAN
	14	21 25 50.1	11.881	N	142.273	E	33	N	4.8		0.9	19	SOUTH OF MARIANA ISLANDS
	14	22 33 56.8	1.068	N	128.600	E	33	N	5.1	4.4	1.5	42	HALMAHERA
	14	22 50 04.8	6.241	S	147.886	E	32	*	3.9		1.1	15	EAST PAPUA NEW GUINEA REGION
	14	23 36 02.9*	29.897	N	139.171	E	380	*	4.2		0.4	12	SOUTH OF HONSHU, JAPAN
	14	23 53 07.9?	19.50	N	146.88	E	33	N	4.4		1.5	9	MARIANA ISLANDS REGION
	15	02 43 45.0	40.922	N	141.190	E	107		4.5		1.1	50	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Hachinohe; (II JMA) at Miyako; (I JMA) at Aomori and Urokowa.
	15	03 16 51.0?	47.12	N	10.18	E	10	G			1.3	5	AUSTRIA. ML 2.1 (KBA).
	15	04 32 38.3%	16.826	N	61.159	W	33	N			0.6	11	LEEWARD ISLANDS. ML 3.2 (FDF).
	15	04 53 50.3*	20.518	N	119.960	E	33	N	4.6		1.5	20	PHILIPPINE ISLANDS REGION
	15	05 26 11.7*	38.139	N	142.271	E	33	N	4.2		0.5	6	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Ishinomaki.
	15	05 51 32.4?	2.36	N	127.15	E	33	N	4.8		1.3	8	MOLUCCA PASSAGE
	15	07 30 43.9	39.204	N	28.027	E	10	G			1.0	10	TURKEY
	15	11 04 46.1*	31.464	S	68.569	W	110	*	4.3		1.2	16	SAN JUAN PROVINCE, ARGENTINA
	15	11 29 39.2?	41.60	N	21.08	E	10	G			1.4	5	YUGOSLAVIA. ML 2.7 (SKO).
	15	12 15 34.3%	39.411	N	27.650	E	10	G			0.8	5	TURKEY
	15	15 48 21.0*	41.709	N	20.376	E	10	G			0.4	5	ALBANIA. ML 2.5 (TTG).
	15	17 58 16.9*	27.093	N	140.972	E	144	*	4.4		1.0	16	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shimo.
	15	18 32 07.0	31.104	N	130.355	E	171		4.8		0.8	73	KYUSHU, JAPAN
	15	20 00 02.2?	51.44	N	6.88	E	10	G			0.3	6	GERMANY. ML 1.8 (BNS).
	15	20 45 57.3	1.088	S	127.535	E	33	N	5.4	4.6	1.2	76	HALMAHERA
	15	21 56 39.8*	18.854	N	146.845	E	33	N	4.9		1.2	33	MARIANA ISLANDS
	15	23 19 40.1*	18.838	N	146.967	E	33	N	4.4		0.4	10	MARIANA ISLANDS
	16	00 56 03.1	37.592	N	141.002	E	118		4.1		1.3	10	NEAR EAST COAST OF HONSHU, JAPAN
a	16	01 10 20.6	54.957	N	157.985	E	310	D	5.0		0.8	220	KAMCHATKA
	16	01 38 37.8*	6.862	N	73.019	W	163	*			1.1	11	NORTHERN COLOMBIA
	16	02 52 32.0?	31.68	S	68.82	W	33	N			1.4	10	SAN JUAN PROVINCE, ARGENTINA
	16	04 52 32.9&	40.433	N	124.413	W	21		4.2			37	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 4.1 (BRK). Mo=1.8*10**15 Nm (BRK). Felt (III) at Rio Dell. Also felt at Arcata and Trinidad.
	16	04 57 29.6&	40.400	N	124.550	W	21					6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK).
	16	06 38 33.7	19.962	N	145.818	E	33	N	4.9		0.9	57	MARIANA ISLANDS
	16	06 46 33.8	39.147	N	25.364	E	10	G			1.1	17	AEGEAN SEA. ML 2.5 (ATH).
	16	07 01 51.0	1.937	N	127.116	E	126		5.1		0.8	53	HALMAHERA
	16	08 46 59.3*	18.863	N	147.097	E	33	N	4.4		1.1	15	MARIANA ISLANDS REGION
	16	09 06 26.8*	51.443	N	15.523	E	10	G			1.0	8	POLAND. ML 3.5 (VKA), 3.3 (KBA).
	16	10 55 09.4*	38.358	N	105.651	W	5	G			0.6	15	COLORADO. ML 2.7 (NEIS).
	16	12 14 54.3	10.600	N	125.943	E	89	*	4.8		1.0	48	LEYTE, PHILIPPINE ISLANDS
a	16	13 23 40.1	22.278	S	171.815	E	33	N	5.6	5.7	1.3	119	LOYALTY ISLANDS REGION. Ms 6.0 (BRK).
	16	16 22 50.9*	5.965	S	150.168	E	62	*	4.6		1.4	13	NEW BRITAIN REGION
	16	16 52 28.3*	33.771	S	70.372	W	33	N			1.3	7	CHILE-ARGENTINA BORDER REGION. Felt (III) at Santiago, Chile.
	16	17 10 34.3	43.131	N	10.749	E	13				0.9	10	CENTRAL ITALY
	16	17 18 58.0*	6.088	S	130.252	E	111	*	4.4		0.8	11	BANDA SEA
	16	17 47 14.7	5.394	S	153.548	E	49	*	4.7		1.1	18	NEW IRELAND REGION
	16	19 16 44.7?	17.61	S	174.77	W	253	?	4.4		1.1	53	TONGA ISLANDS
a	16	19 23 25.8	37.065	N	141.473	E	55		5.7		1.0	292	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) in the Utsunomiya-Tokyo-Ishinomaki area, (II JMA) in the Mariaka-Tateyama-Mito area and (I JMA) in the

														Hachinohe-Yamagata-Kumagaya area.
	16	20	08	23.8	40.086	N	29.317	E	10	G		1.3	8	TURKEY
	16	20	43	25.7&	59.778	N	152.263	W	63				38	SOUTHERN ALASKA. <AGS-P>.
	16	20	50	29.6?	21.57	S	172.47	E	33	N	3.7	1.6	9	LOYALTY ISLANDS REGION
	16	21	36	07.9*	26.332	N	142.617	E	52	*	4.7	1.1	16	BONIN ISLANDS REGION
	16	22	03	12.9	22.087	N	144.241	E	90	*	5.1	0.9	100	VOLCANO ISLANDS REGION
	16	23	08	07.7*	45.394	N	26.771	E	33	N		1.4	7	ROMANIA
	16	23	22	21.0*	14.617	N	56.559	E	10	G	4.4	1.2	21	ARABIAN SEA
a	17	00	12	24.8	8.945	N	123.979	E	556		5.3	0.8	152	MINDANAO, PHILIPPINE ISLANDS
	17	00	24	20.2?	24.00	S	174.89	W	33	N	5.3	0.7	16	TONGA ISLANDS REGION
a	17	00	33	48.6	15.348	N	145.780	E	102		5.3	1.1	148	MARIANA ISLANDS. Felt (III) on Guam. Also felt on Saipan.
	17	00	58	45.1?	51.83	N	175.72	W	33	N	4.4	1.6	10	ANDREANOF ISLANDS, ALEUTIAN IS.
	17	01	03	04.8	49.886	N	78.691	E	0	G	6.0 4.3	0.8	406	EASTERN KAZAKH SSR
	17	02	46	56.7*	35.649	N	27.356	E	10	G		1.5	5	DODECANESE ISLANDS. ML 3.8 (ATH).
	17	03	56	07.9	36.049	N	27.078	E	34	*	4.2 3.9	1.3	77	DODECANESE ISLANDS. ML 4.6 (ATH).
	17	05	10	49.1	24.152	N	122.295	E	33	N	4.7	1.3	38	TAIWAN REGION
a	17	05	14	31.6	20.221	S	174.388	W	76	D	5.1	1.2	102	TONGA ISLANDS
	17	06	03	47.4?	0.79	S	80.73	W	33	N		1.5	9	NEAR COAST OF ECUADOR
	17	07	00	23.3*	37.314	N	57.690	E	33	N	4.4	1.3	16	IRAN-USSR BORDER REGION. ML 4.0 (MHI). Felt at Esfaroyen, Iran.
	17	07	19	12.9*	37.501	N	27.490	E	10	G		1.3	15	TURKEY
	17	07	28	57.5*	5.888	S	148.835	E	186	?	4.9	0.8	10	NEW BRITAIN REGION
a	17	07	33	41.1	35.672	N	139.997	E	81		5.1	0.9	193	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Ajira and Yokahama, (II JMA) in the Takyo-Tateyama-Mito area and (I JMA) at Onahoma and Shizuaka.
a	17	08	33	36.5	17.095	S	173.443	W	33	N	5.3 4.7	1.2	118	TONGA ISLANDS
	17	09	56	02.0	42.129	N	20.070	E	10	G		1.1	10	YUGOSLAVIA. ML 2.7 (TTG).
	17	13	22	08.5?	35.39	N	27.43	E	10	G		0.9	4	DODECANESE ISLANDS. ML 4.1 (ATH).
	17	13	44	10.5?	45.55	N	150.14	E	33	N	4.6	1.3	15	KURIL ISLANDS
	17	14	56	39.0?	32.00	S	178.69	W	33	N	4.9	1.5	13	SOUTH OF KERMADEC ISLANDS
	17	15	37	07.5*	39.265	N	72.744	E	33	N	4.0	1.2	12	KIRGHIZ SSR
	17	16	03	03.8?	38.28	N	23.29	E	10	G		0.1	4	GREECE. ML 3.0 (ATH).
	17	17	12	18.8%	40.838	N	27.767	E	10	G		1.1	8	TURKEY
	17	18	17	07.9	5.465	N	82.736	W	10	G	4.6 4.5	1.1	29	SOUTH OF PANAMA
	17	19	39	48.5	4.154	S	152.560	E	138		5.0	0.9	83	NEW BRITAIN REGION
	17	20	06	59.8	12.198	N	141.108	E	33	N	4.7	0.4	10	SOUTH OF MARIANA ISLANDS
	17	21	24	04.8*	2.655	S	138.684	E	79	?	4.4	1.3	22	WEST IRIAN
	17	21	26	20.7*	22.754	S	67.381	W	268	*	4.3	1.3	12	CHILE-BOLIVIA BORDER REGION
	17	22	15	23.0	37.897	N	27.518	E	12			1.2	22	TURKEY. ML 3.8 (ATH).
	18	00	02	26.2?	12.61	N	88.95	W	33	N	4.2	1.3	11	OFF COAST OF CENTRAL AMERICA
	18	00	03	13.8	33.616	N	131.947	E	97		4.7	1.4	37	KYUSHU, JAPAN. Felt (II JMA) at Uwajima and Sukumo, Shikoku and Hiroshima, Honshu; (I JMA) at Kure and Shimanaseki, Honshu and Matsuyama, Shikoku.
	18	01	08	16.2	37.261	N	142.830	E	32	D	4.9	1.1	80	OFF EAST COAST OF HONSHU, JAPAN
	18	01	59	59.3&	60.084	N	152.773	W	104				36	SOUTHERN ALASKA. <AGS-P>.
a	18	02	01	38.8&	61.374	N	150.656	W	68		5.7		365	SOUTHERN ALASKA. <AGS-P>. Felt (V) at Ancharage, Eagle River, Palmer and Skwentna; (IV) at Chugiak, Cooper Landing, Fort Richardson, Seward, Sterling, Sutton, Talkeetna, Tyanek, Whittier and Willaw; (II) at Cantwell, Homer, Kasilof, Kenai, Moose Pass, Nikishka and Valdez.
	18	02	13	38.9&	61.368	N	150.616	W	66		4.4		60	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Ancharage and Palmer.
	18	02	15	24.5?	33.47	S	72.87	W	33	N	3.7	0.6	6	OFF COAST OF CENTRAL CHILE
	18	02	51	06.3?	61.76	N	2.88	E	10	G		1.3	5	NORWEGIAN SEA. MD 2.4 (BER).
	18	03	22	54.8*	37.249	N	20.988	E	78	*	3.3	1.0	14	IONIAN SEA
	18	03	53	32.2*	18.961	S	169.562	E	285		4.5	0.9	28	VANUATU ISLANDS
	18	05	36	28.7	6.814	S	154.477	E	24		5.0 4.5	1.0	91	SOLOMON ISLANDS
	18	11	02	46.7	40.660	N	29.406	E	10	G		0.4	8	TURKEY
	18	12	38	37.2	43.064	N	1.367	W	10	G		0.8	10	PYRENEES. ML 2.9 (LDG).
	18	12	49	36.9	24.009	N	121.868	E	30	*	5.0	1.4	63	TAIWAN
	18	12	55	27.9&	61.367	N	150.640	W	58				29	SOUTHERN ALASKA. <AGS-P>.
	18	13	40	00.6&	37.248	N	116.509	W	0		5.5 4.0		236	SOUTHERN NEVADA. <DOE>. ML 5.3 (BRK). 37° 14' 52.39" N., 116° 30' 32.90" W., Surface Elev. 1902 m., Depth of Burial 500 m., Shot Time 134000.600, "DELAMAR", Nevada Test Site (Dept. of Energy).
	18	14	14	11.3&	36.583	N	121.128	W	8				16	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	18	14	32	39.8%	16.104	N	61.065	W	28	*		0.1	6	LEEWARD ISLANDS. ML 2.1 (FDF).
	18	14	43	04.0*	4.807	S	153.833	E	130	*	4.4	1.6	12	NEW IRELAND REGION
	18	15	02	11.3%	60.719	N	5.533	E	10	G		0.5	5	SOUTHERN NORWAY. MD 2.3 (BER).
	18	16	19	58.7&	61.358	N	150.651	W	59				26	SOUTHERN ALASKA. <AGS-P>.
	18	16	31	57.0&	36.237	N	120.862	W	8				12	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	18	16	59	48.5	22.346	N	79.259	E	33	N	4.9	0.9	57	INDIA. Felt strongly at Nagpur.
	18	17	05	03.9&	36.200	N	120.900	W	9				9	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	18	18	51	26.3?	53.44	N	159.42	E	33	N	4.6	1.3	18	NEAR EAST COAST OF KAMCHATKA
	18	20	07	20.3	38.524	N	117.757	W	5	G		0.8	9	NEVADA. ML 3.4 (NEIS). Felt (II) at Luning.
	18	20	17	23.0*	42.394	S	18.314	W	10	G	5.0 4.4	1.0	13	SOUTH ATLANTIC RIDGE
	18	20	48	28.2	34.486	N	80.281	E	33	N	4.6 4.7	1.3	57	TIBET
	18	20	53	41.8	13.444	N	145.955	E	57	*	5.1 5.0	0.9	99	MARIANA ISLANDS
	18	21	22	45.4*	23.998	N	121.793	E	27	*	3.9	1.1	11	TAIWAN
	18	22	51	16.6*	21.896	S	67.894	W	301	?	4.2	1.4	10	CHILE-BOLIVIA BORDER REGION
	18	23	15	21.2	10.937	N	62.404	W	99		4.8	1.1	112	NEAR COAST OF VENEZUELA. MD 4.7 (TRN). Felt on Trinidad.
	18	23	48	52.3?	43.33	N	0.16	W	10	G		1.5	5	PYRENEES. ML 2.9 (LDG).
	18	23	57	06.0	16.693	N	62.571	W	185		4.5	0.7	94	LEEWARD ISLANDS. MD 4.4 (TRN).
	19	00	07	36.5*	33.749	S	72.195	W	58	*	4.8	1.3	29	OFF COAST OF CENTRAL CHILE
	19	01	14	08.6	13.913	N	89.679	W	133	*	4.6	1.0	35	EL SALVADOR
	19	02	44	07.9*	10.721	N	56.893	E	10	G	4.5	0.9	14	CARLSBERG RIDGE
	19	03	10	21.0*	29.796	N	141.380	E	33	N	4.3	1.1	17	SOUTH OF HONSHU, JAPAN
	19	03	55	05.2	43.691	N	20.441	E	38		4.9	1.2	156	YUGOSLAVIA. MD 4.5 (TTG). Felt (V) in the Kraljeva-Trstenik area and (IV) in the Nis-Cacak-Beograd area. Also felt at Sarajeva.

	19	03 59 57.1*	60.520	N	57.083	E	0	G	4.5		1.2	37	URAL MOUNTAINS REGION
	19	04 04 55.6	60.813	N	57.548	E	0	G	4.4		0.6	34	URAL MOUNTAINS REGION
	19	04 33 43.4	43.723	N	20.462	E	15				1.0	22	YUGOSLAVIA. ML 3.0 (TTG).
	19	12 05 02.1*	42.236	N	0.679	E	10	G			1.2	7	PYRENEES. ML 3.0 (LDG).
	19	12 39 49.0	67.669	N	19.432	E	10	G			1.5	12	SWEDEN. ML 3.4 (UPP), 3.2 (BER). Felt in northern Sweden.
	19	14 52 41.6	2.964	S	129.597	E	48	*	4.9		1.3	38	CERAM
	19	14 52 45.6?	40.81	N	30.00	E	10	G			0.3	4	TURKEY
	19	18 02 45.1&	37.118	N	121.555	W	5					13	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	19	20 28 07.0*	42.899	N	22.951	E	10	G			1.2	6	BULGARIA
	19	20 33 26.4*	43.821	N	20.203	E	9				1.7	11	YUGOSLAVIA. ML 2.6 (TTG).
	19	21 55 01.7&	60.274	N	152.058	W	66					25	SOUTHERN ALASKA. <AGS-P>.
	19	22 16 15.8	56.786	N	7.680	E	10	G			1.2	36	NORTH SEA. MD 2.9 (BER).
	19	22 39 22.0*	14.872	N	96.340	E	33	N	4.2		1.2	7	ANDAMAN ISLANDS REGION
	20	00 08 43.0&	32.970	N	117.800	W	6	G				7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS).
	20	00 17 54.7*	28.198	N	139.411	E	405	*	4.0		0.5	11	BONIN ISLANDS REGION
	20	01 24 48.5&	61.368	N	150.662	W	62					28	SOUTHERN ALASKA. <AGS-P>.
	20	02 08 21.9*	0.534	S	123.048	E	59	?	4.4		0.9	10	MINAHASSA PENINSULA
	20	02 21 47.3*	21.027	S	68.645	W	136	*	4.6		1.3	17	CHILE-BOLIVIA BORDER REGION
	20	05 16 50.8*	40.977	N	127.692	W	10	G	4.3		0.4	13	OFF COAST OF NORTHERN CALIFORNIA
	20	05 18 53.8?	59.69	N	2.22	E	10	G			0.4	8	NORTH SEA. MD 2.6 (BER).
	20	08 21 53.0*	42.047	N	142.522	E	71		4.6		1.1	26	HOKKAIDO, JAPAN REGION
	20	08 31 22.0?	31.07	S	71.57	W	33	N			1.2	11	NEAR COAST OF CENTRAL CHILE
	20	08 51 10.3%	39.551	N	29.949	E	10	G			0.5	5	TURKEY
	20	09 16 37.2%	39.582	N	30.035	E	10	G			0.8	6	TURKEY
	20	09 19 24.6*	56.173	S	27.058	W	81	D	4.9		1.1	27	SOUTH SANDWICH ISLANDS REGION
	20	09 26 22.9&	63.092	N	150.237	W	167					15	CENTRAL ALASKA. <AGS-P>.
a	20	09 31 37.8	21.654	S	179.137	W	570		5.4		1.1	219	FIJI ISLANDS REGION
	20	09 31 59.4*	7.228	S	120.256	E	479	*	4.5		1.2	14	FLORES SEA
	20	10 09 11.4	37.493	N	141.479	E	61		5.0		1.1	124	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito and Fukushima; (I JMA) at Onahoma and Utsunamiya.
a	20	10 56 45.4*	30.510	S	179.049	W	221	*	5.1		1.0	22	KERMADEC ISLANDS REGION
	20	11 04 51.6	51.312	N	15.621	E	10	G			0.5	13	POLAND. ML 4.3 (VKA), 4.0 (KBA), 4.0 (GRF).
	20	12 43 12.4*	4.784	N	94.440	E	66	*	4.3		0.7	19	OFF W COAST OF NORTHERN SUMATERA
	20	15 03 15.8*	62.247	N	124.079	W	10	G			1.4	8	NORTHWEST TERRITORIES, CANADA
	20	15 45 46.4&	60.401	N	152.828	W	120					26	SOUTHERN ALASKA. <AGS-P>.
	20	16 03 11.4*	46.584	N	10.060	E	10	G			1.1	8	NORTHERN ITALY. ML 1.9 (KBA).
	20	17 17 15.6*	21.639	N	120.306	E	51	*	4.1		1.2	15	TAIWAN REGION
	20	21 09 59.0	0.036	N	16.778	W	10	G	4.7		1.0	47	NORTH OF ASCENSION ISLAND
	20	22 45 29.7	40.568	N	19.111	E	10	G			1.2	15	ALBANIA. ML 2.7 (TTG).
	20	23 33 38.8%	42.786	N	3.260	E	10	G			1.5	10	PYRENEES. ML 2.9 (LDG).
	21	00 55 57.1?	20.13	S	69.64	W	120	?			1.2	7	NORTHERN CHILE
	21	01 52 38.3*	2.582	N	126.845	E	33	N	4.6		0.8	12	MOLUCCA PASSAGE
	21	03 37 37.3	10.226	S	161.095	E	93	D	5.0		0.8	109	SOLOMON ISLANDS
	21	04 01 02.4?	19.30	S	175.50	W	33	N	5.3		1.2	15	TONGA ISLANDS
	21	04 36 25.9?	5.91	S	147.30	E	166	?	4.2		1.2	6	EAST PAPUA NEW GUINEA REGION
	21	05 53 42.4*	8.516	S	118.928	E	33	N	3.2		0.5	5	SUMBAWA ISLAND REGION
	21	06 13 25.2*	16.853	S	28.040	E	10	G			0.9	5	ZAMBIA. MG 3.5 (BUL).
	21	07 25 44.1%	39.626	N	29.994	E	10	G			1.6	5	TURKEY
	21	10 05 38.2?	9.15	S	122.21	E	33	N	3.3		1.0	7	SAVU SEA
	21	10 18 49.8*	42.367	N	19.953	E	10	G			1.4	7	YUGOSLAVIA. ML 2.6 (TTG).
	21	10 35 20.8*	21.347	S	69.944	W	67	*	4.7		1.0	17	NORTHERN CHILE
	21	10 54 01.8*	61.737	S	153.630	E	10	G	4.8		1.0	12	BALLENY ISLANDS REGION
	21	11 41 56.3%	40.130	N	29.333	E	10	G			1.1	8	TURKEY
	21	12 04 42.7*	40.546	N	31.068	E	10	G			1.3	6	TURKEY
	21	12 39 56.9?	64.83	N	169.40	W	33	N			0.7	9	BERING STRAIT
	21	12 55 07.5*	1.150	S	149.719	E	33	N	4.2		1.3	10	NEW IRELAND REGION
	21	13 36 43.6*	42.022	N	24.572	E	10	G			1.4	5	BULGARIA
	21	14 12 03.4	8.324	S	116.352	E	180	*	4.8		1.3	27	SUMBAWA ISLAND REGION
	21	14 58 19.0	36.415	N	71.417	E	33	N	4.6		1.2	25	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Kharag, USSR.
f	21	15 28 39.8	22.740	S	170.261	E	15	G	6.0	6.0	1.0	339	LOYALTY ISLANDS REGION. Depth fram braadband displacement seismagrams
	21	15 46 23.5*	21.318	S	68.902	W	137	*	4.4		1.3	8	CHILE-BOLIVIA BORDER REGION
	21	15 47 15.5&	37.442	N	121.800	W	7					16	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK), 3.1 (PAS). Mo=4.5*10**14 Nm (BRK). Felt (IV) at Fremant, Mauntain View and San Jose; (III) at Pleasanton and Santa Clara; (II) at San Leandro.
	21	16 24 00.4*	7.752	S	122.753	E	212	?	4.7		0.9	17	FLORES SEA
	21	17 37 23.4?	40.88	N	30.28	E	10	G			0.9	5	TURKEY
	21	19 39 09.6*	7.167	N	82.337	W	10	G	4.6		1.2	33	SOUTH OF PANAMA
	21	20 08 40.9*	12.074	S	121.414	E	33	N	3.8		0.7	7	SOUTH OF TIMOR
	21	20 39 29.1*	31.642	S	69.093	W	10	G			1.0	11	SAN JUAN PROVINCE, ARGENTINA
	21	21 26 37.9	46.113	N	7.970	E	11				1.4	15	SWITZERLAND. ML 2.9 (LDG).
	21	21 31 20.8	3.625	N	77.443	W	54	*	4.7	4.6	1.0	29	NEAR WEST COAST OF COLOMBIA
	21	22 14 36.0?	6.63	S	146.70	E	103	?	3.4		0.9	6	EAST PAPUA NEW GUINEA REGION
	21	23 04 02.7*	6.B98	S	147.289	E	33	N	3.3		1.1	5	EAST PAPUA NEW GUINEA REGION
	21	23 20 12.6?	15.58	N	60.43	W	33	N			1.3	9	LEEWARD ISLANDS. ML 3.0 (FDF).
	21	23 50 46.4?	15.12	S	174.37	W	33	N	4.6		1.6	12	TONGA ISLANDS
	21	23 57 22.4	40.214	N	63.192	E	33	N	4.3		0.7	20	UZBEK SSR
	22	00 09 39.7?	17.47	N	60.56	W	33	N			0.4	9	LEEWARD ISLANDS. ML 3.4 (FDF).
	22	00 15 58.1	6.252	S	147.470	E	92	*	4.7		1.3	22	EAST PAPUA NEW GUINEA REGION
	22	01 05 01.4*	30.353	N	57.549	E	33	N	4.6		1.2	10	IRAN. Felt at Kerman.
	22	01 31 41.3%	40.372	N	27.104	E	10	G			1.2	5	TURKEY
	22	01 31 45.2	39.212	N	21.696	E	10	G			0.6	11	GREECE
	22	01 49 21.3&	60.021	N	153.527	W	153					34	SOUTHERN ALASKA. <AGS-P>.
	22	02 11 11.3	37.052	N	141.634	E	56	*	4.4		0.9	23	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Fukushima and Utsunamiya.
	22	02 42 41.1?	27.10	N	54.11	E	33	N	3.8		0.3	5	SOUTHERN IRAN
	22	04 16 46.5*	39.001	N	25.037	E	10	G			1.6	6	AEGEAN SEA. ML 3.0 (ATH).
	22	05 19 18.9?	9.09	S	124.58	E	181	?	4.1		0.7	6	TIMOR
	22	07 40 06.6&	61.667	N	150.115	W	63					42	SOUTHERN ALASKA. <AGS-P>.
	22	07 40 49.1?	2.66	S	138.93	E	54	?	4.0		1.0	7	WEST IRIAN

	22	08	54	29.5*	52.965	S	10.363	E	10	G	4.8		0.8	12	SOUTHWEST OF AFRICA
	22	09	26	43.8%	39.723	N	29.412	E	10	G			1.0	5	TURKEY
	22	09	30	14.8?	23.79	S	67.14	W	265	?	3.6		1.3	11	CHILE-ARGENTINA BORDER REGION
	22	10	10	17.3?	6.89	S	147.37	E	33	N	3.0		1.2	5	EAST PAPUA NEW GUINEA REGION
	22	11	28	49.9	42.010	N	15.678	E	21	*			1.1	17	ADRIATIC SEA. MD 3.6 (TRI).
	22	11	59	55.4	43.119	N	3.432	E	10	G			1.5	5	NEAR SOUTH COAST OF FRANCE. ML 3.2 (LDG).
	22	12	25	16.6?	6.48	S	130.36	E	98	?	4.5		1.4	10	BANDA SEA
	22	12	49	17.5?	21.88	S	170.80	E	33	N	4.5		0.6	9	LOYALTY ISLANDS REGION
	22	14	26	52.4	3.799	S	135.522	E	33	N	3.8		1.1	11	WEST IRIAN REGION
	22	14	41	38.9%	60.719	N	5.564	E	10	G			0.1	5	SOUTHERN NORWAY. MD 2.3 (BER).
	22	16	00	10.1	25.663	S	178.143	W	273	D	4.6		1.2	48	SOUTH OF FIJI ISLANDS
	22	16	06	48.3	50.545	N	172.511	W	33	N	5.0		1.0	128	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR).
	22	16	20	13.7?	23.81	S	179.32	E	603	?	4.2		1.0	10	SOUTH OF FIJI ISLANDS
	22	17	23	04.5*	50.947	S	139.287	E	10	G	4.8		1.2	17	SOUTH OF AUSTRALIA
	22	17	34	23.3*	11.499	N	69.600	W	10	G		3.7	1.4	10	NEAR COAST OF VENEZUELA. Felt at Coro, Puerto Cumorebo, Lo Velo, Punto Fijo and Churuguara.
	22	18	11	54.0*	37.145	N	71.437	E	33	N	4.4		1.2	5	AFGHANISTAN-USSR BORDER REGION
	22	18	47	02.6*	4.628	S	152.660	E	33	N	4.1		0.7	5	NEW BRITAIN REGION
f	22	20	13	23.1	37.155	N	141.573	E	30	G	6.1	6.6	1.1	505	NEAR EAST COAST OF HONSHU, JAPAN. Ms 6.6 (PAS), 6.4 (BRK). Slight damage (V JMA) at Shirakawo. Felt (IV JMA) at Fukushima, Mito and Onahama; (III JMA) from the Tokyo-Kofu-Toteyama area to Miyako and Morioka; (II JMA) in the Maebashi-Niigata-Akita area and at Kushiro, Hokkaido. Felt (I JMA) on Hachijo-jima and Oshima and from Shizuoka, Honshu to Hakodate and Urakawa, Hokkaido. Depth from broadband displacement seismograms.
	22	20	32	38.4?	32.56	S	71.60	W	10	G			1.2	11	NEAR COAST OF CENTRAL CHILE
	22	20	34	45.9*	37.165	N	141.564	E	55	*	4.3		0.8	18	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Onahama and Utsunomiya.
	22	21	56	15.3*	60.644	N	4.998	E	0	G			1.3	6	SOUTHERN NORWAY. MD 2.3 (BER). Probable explosion.
	22	22	00	00.0&	36.983	N	116.005	W	0		4.2			55	CALIFORNIA-NEVADA BORDER REGION. <DOE>. ML 3.9 (BRK). 36' 58' 59.30" N., 116' 00' 16.49" W., Surface Elev. 1199 m., Depth of Burial 300 m., Shot Time 220000.088, "PRESIDIO", Nevada Test Site (Dept. of Energy).
	22	22	11	46.8?	26.43	S	70.96	W	33	N			1.5	5	NEAR COAST OF NORTHERN CHILE
	22	22	42	59.9*	20.422	N	121.392	E	42	*	4.5		1.2	20	PHILIPPINE ISLANDS REGION
	22	23	30	48.7&	59.783	N	152.678	W	82					35	SOUTHERN ALASKA. <AGS-P>.
	22	23	32	32.5*	25.379	S	179.383	E	560	?	4.5		0.9	15	SOUTH OF FIJI ISLANDS
	23	00	56	31.2?	7.28	S	129.39	E	238	?	3.6		0.2	5	BANDA SEA
	23	01	15	45.1	13.432	N	89.432	W	33	N	4.6		1.0	49	EL SALVADOR. Felt along the Pacific coast of Guatemala and El Salvador.
	23	01	28	32.9?	22.53	S	68.77	W	195	?			0.8	6	NORTHERN CHILE
	23	02	01	02.4*	37.124	N	141.512	E	47	*			1.1	11	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Onahama and (I JMA) at Fukushima and Utsunomiyo.
	23	02	13	30.2?	37.13	N	141.78	E	33	N	4.4		0.5	8	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito.
	23	03	34	53.8?	10.64	S	123.96	E	33	N	4.1		1.5	6	TIMOR
	23	03	45	23.9*	37.495	N	71.750	E	33	N	4.6		0.8	12	AFGHANISTAN-USSR BORDER REGION
	23	04	12	27.9	39.696	N	24.020	E	10	G			1.1	19	AEGEAN SEA. ML 3.5 (ATH).
	23	04	30	40.1*	8.079	S	71.109	W	674	?	3.7		1.1	29	WESTERN BRAZIL
a	23	05	54	53.7	5.591	N	126.430	E	91	D	5.2		1.1	94	MINDANAO, PHILIPPINE ISLANDS
	23	07	56	21.3	8.645	S	75.771	W	40	D	5.0		0.9	83	PERU
	23	08	22	00.6*	18.924	N	146.925	E	33	N	4.3		1.0	16	MARIANA ISLANDS
	23	09	05	56.9	27.991	N	87.102	E	48		4.7		0.8	39	NEPAL
	23	09	39	47.8*	35.093	N	22.921	E	33	N	4.5		1.4	15	MEDITERRANEAN SEA. ML 4.1 (ATH).
	23	10	42	12.5	34.211	N	116.195	W	5	G			0.3	6	SOUTHERN CALIFORNIA. ML 3.3 (NEIS). Felt (III) at North Palm Springs.
	23	11	10	20.9*	50.583	N	5.767	E	10	G			0.9	5	BELGIUM
	23	12	01	27.6&	37.329	N	121.715	W	6					19	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=5.2*10**13 Nm (BRK). Felt at Morgan Hill.
	23	12	25	13.1*	23.326	S	115.113	W	10	G	4.9	4.5	1.2	50	EASTER ISLAND CORDILLERA
	23	14	02	27.6*	51.300	N	15.697	E	10	G			0.7	10	POLAND. ML 4.0 (VKA), 3.9 (KBA).
	23	15	27	11.1?	16.12	N	60.89	W	33	N			0.4	6	LEEWARD ISLANDS. ML 2.4 (FDF).
	23	16	16	54.4	8.635	S	74.388	W	134	*	4.5		0.8	57	PERU-BRAZIL BORDER REGION
o	23	16	39	25.6	5.876	N	125.885	E	153	D	5.3		1.2	113	MINDANAO, PHILIPPINE ISLANDS
	23	16	50	03.5	25.513	S	179.507	E	494		5.4		1.1	167	SOUTH OF FIJI ISLANDS
	23	17	06	03.5*	24.039	N	123.579	E	50		4.5		1.0	18	SOUTHWESTERN RYUKYU ISLANDS
	23	17	17	56.6?	52.31	N	170.41	W	33	N	4.3		1.1	11	FOX ISLANDS, ALEUTIAN ISLANDS
	23	17	43	47.3*	4.394	S	144.166	E	146	*	3.7		1.2	6	NEAR N COAST OF PAPUA NEW GUINEA
	23	19	26	39.7*	21.507	S	174.024	W	40	D	4.9		0.8	26	TONGA ISLANDS
	23	19	32	50.6	43.148	N	3.381	E	10	G			0.6	11	NEAR SOUTH COAST OF FRANCE. ML 3.1 (LDG).
	23	20	40	44.2	23.991	N	121.845	E	38	*	4.2		1.1	25	TAIWAN
	23	20	48	17.8	34.758	N	26.222	E	50	*	4.0		1.4	40	CRETE
	23	20	57	07.8	19.603	N	64.164	W	10	G	4.3	3.9	1.0	20	VIRGIN ISLANDS. ML 4.5 (FDF).
	23	21	25	32.8	41.734	N	19.524	E	10	G			0.9	10	ALBANIA. ML 2.8 (TTG).
	23	22	02	47.9%	40.715	N	30.002	E	10	G			1.3	8	TURKEY
	23	23	22	21.4*	40.271	N	23.554	E	10	G			1.3	6	GREECE
	24	00	19	25.9	42.685	N	27.700	E	10	G			1.2	14	BULGARIA
	24	00	37	51.4?	16.98	N	61.32	W	33	N			0.2	5	LEEWARD ISLANDS. ML 2.9 (FDF).
	24	02	13	23.9*	5.674	S	151.972	E	33	N	4.2		0.9	7	NEW BRITAIN REGION
	24	02	24	30.0*	5.598	S	152.020	E	60	*	4.5	3.6	1.4	18	NEW BRITAIN REGION
	24	02	30	29.6	44.826	N	10.669	E	32		4.1		1.2	133	NORTHERN ITALY. ML 4.7 (KBA), 4.6 (LDG), 4.2 (TRI). MD 4.8 (ROM), 4.6 (FIR). Felt (VII) at Novelloro. Also felt in the Reggio nell'Emilio area.
	24	04	32	12.3	37.271	N	141.243	E	57		4.6		1.0	61	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito and Onahama; (I JMA) at Fukushima, Sendai and Utsunomiyo.
	24	05	17	43.1	46.171	N	7.624	E	10	G			1.2	22	SWITZERLAND. ML 2.9 (LDG).
	24	06	21	58.8?	36.01	N	5.70	E	10	G			1.4	7	ALGERIA. MG 4.1 (ALG). Felt at Setif.
	24	07	30	58.5	33.945	S	72.350	W	33	N	4.5		0.9	15	OFF COAST OF CENTRAL CHILE
	24	08	46	27.1*	34.012	S	72.158	W	33	N	4.6		0.8	16	NEAR COAST OF CENTRAL CHILE
	24	08	52	06.2*	27.321	N	129.558	E	33	N	4.2		1.1	17	RYUKYU ISLANDS
	24	09	06	29.8*	8.302	S	74.300	W	164	?	4.5		0.8	31	PERU-BRAZIL BORDER REGION

	24	09	19	18.2	11.264	N	93.467	E	124	*	4.2		1.0	30	ANDAMAN ISLANDS REGION
	24	10	47	35.8*	52.013	N	170.415	W	33	N	4.3		0.7	28	FOX ISLANDS, ALEUTIAN ISLANDS
	24	12	15	49.3*	59.564	S	25.341	W	33	N	4.7		1.1	10	SOUTH SANDWICH ISLANDS REGION
a	24	12	41	03.1	5.768	S	127.573	E	375		5.4		0.9	283	BANDA SEA
	24	12	43	13.8?	43.51	N	146.48	E	53	?	4.3		1.0	7	KURIL ISLANDS. Felt (I JMA) at Nemuro, Hokkaido.
	24	13	19	31.9*	36.892	N	139.725	E	33	N	4.3		0.8	7	HONSHU, JAPAN. Felt (I JMA) at Mita.
	24	14	45	20.2?	9.86	N	123.59	E	150	?			1.4	7	NEGROS, PHILIPPINE ISLANDS
	24	14	59	29.8*	17.857	S	178.640	W	634	?	4.4		0.6	30	FIJI ISLANDS REGION
	24	15	32	25.5*	19.140	N	64.321	W	10	G			1.3	5	VIRGIN ISLANDS
	24	16	34	30.4	40.397	N	25.976	E	7				1.1	25	AEGEAN SEA. ML 3.6 (ATH).
	24	16	48	09.4?	35.02	N	22.70	E	10	G	3.4		0.7	5	MEDITERRANEAN SEA
	24	19	32	28.8&	41.855	N	112.655	W	2					10	UTAH. <SLC-P>. ML 3.4 (SLC).
	24	19	57	18.7	43.695	N	20.508	E	10	G			1.4	11	YUGOSLAVIA. ML 2.7 (TTG). Felt at Kraljeva.
	24	22	22	33.2	39.986	N	20.245	E	10	G			0.5	12	GREECE-ALBANIA BORDER REGION
	24	22	25	31.3	36.449	N	70.403	E	206	*	4.3		0.9	27	HINDU KUSH REGION
	25	01	56	11.1*	1.144	N	85.383	W	10	G	4.6		0.9	20	OFF COAST OF ECUADOR
	25	01	57	43.1%	39.162	N	29.423	E	10	G			1.1	6	TURKEY
	25	02	48	30.8*	53.806	N	167.110	W	33	N	3.9		0.8	15	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR).
	25	04	02	00.8	10.210	S	78.673	W	64	D	4.8		1.1	39	NEAR COAST OF PERU
	25	04	24	20.0	16.934	S	177.121	W	33	N	5.1	4.8	0.7	35	FIJI ISLANDS REGION
	25	04	53	56.0?	18.94	N	145.50	E	33	N	4.5		1.6	14	MARIANA ISLANDS
	25	05	08	14.6	12.910	S	76.261	W	10	G			0.5	6	NEAR COAST OF PERU. Felt (III) at Lima.
	25	07	12	46.7%	40.322	N	27.481	E	10	G			1.0	9	TURKEY
	25	07	13	54.4?	21.81	S	67.25	W	33	N			1.2	5	CHILE-BOLIVIA BORDER REGION
a	25	08	08	59.2	6.837	N	126.062	E	75		5.1		1.1	83	MINDANAO, PHILIPPINE ISLANDS
	25	08	17	42.4	38.607	N	22.411	E	10	G			1.3	16	GREECE. ML 3.0 (ATH).
	25	08	19	15.3	19.882	N	121.347	E	49	*	4.4		1.1	25	PHILIPPINE ISLANDS REGION
	25	09	27	44.2%	39.686	N	29.451	E	10	G			1.3	6	TURKEY
	25	09	33	21.6	58.377	N	164.158	E	33	N	4.6		0.9	40	KAMCHATKA
	25	10	46	08.6	5.542	S	147.711	E	35	*	4.5	3.5	1.2	21	EAST PAPUA NEW GUINEA REGION
	25	12	16	48.7	15.877	N	120.226	E	106	G	5.6		1.3	427	LUZON, PHILIPPINE ISLANDS. Foreshack. Depth fram broadband displacement seismagrams.
f	25	12	16	52.4	16.066	N	120.301	E	107	G	6.3		0.9	169	LUZON, PHILIPPINE ISLANDS. mb 6.3 (PAS). Same damage in the Manila area. Felt (V) at Cubi Paint. Felt in the Tuguegarao-Fernando-Cavite area. Also felt at Hong Kang. Camplex event. Depth fram broadband displacement seismagrams.
	25	12	55	41.5?	13.64	N	123.29	E	33	N	4.1		1.3	8	LUZON, PHILIPPINE ISLANDS
	25	13	59	04.3?	33.68	S	68.72	W	10	G			1.4	9	MENDOZA PROVINCE, ARGENTINA
	25	15	21	37.8	41.898	N	19.261	E	10	G			0.5	11	ALBANIA. MD 3.0 (TTG).
	25	18	18	15.9*	38.182	N	67.755	E	33	N	4.2		0.9	8	SOUTHEASTERN UZBEK SSR
	25	18	34	56.9*	37.197	N	141.521	E	60	*	4.2		0.9	14	NEAR EAST COAST OF HONSHU, JAPAN
	25	19	09	41.1	19.207	S	169.420	E	254		4.7		1.0	72	VANUATU ISLANDS
f	25	19	22	07.2	2.244	N	98.866	E	11	D	5.9	6.6	1.3	284	NORTHERN SUMATERA. Ms 6.3 (PAS). Two people killed, 22 injured and mare than 300 buildings damaged in the Tarutung-Lake Toba area. A hot spring in the area stapped flawing but resumed later. Felt in the Sibalga-Berastagi area. Also felt in the Kuala Lumpur area, Malaysia.
	25	20	58	46.3%	16.118	N	61.518	W	10	G			0.9	6	LEEWARD ISLANDS. ML 1.9 (FDF).
	25	21	45	13.2	46.619	N	153.971	E	38	D	5.2		0.9	130	KURIL ISLANDS
	25	22	09	18.4?	40.68	N	12.28	E	10	G			0.7	5	TYRRHENIAN SEA
	25	22	11	00.4	39.264	N	27.886	E	10	G	4.4		0.8	44	TURKEY. Felt along the southwestern coast af the Black Sea.
	25	22	29	57.1	47.628	N	152.490	E	33	N	4.6		1.1	35	KURIL ISLANDS
	25	23	46	05.9	34.600	N	25.703	E	39		4.1		1.0	80	CRETE
	26	00	05	14.1*	12.931	S	76.832	W	33	N			0.6	5	NEAR COAST OF PERU
	26	02	27	20.3&	61.047	N	146.580	W	10					42	SOUTHERN ALASKA. <AGS-P>. ML 3.2 (PMR). Felt (III) at Valdez.
	26	02	54	09.7%	39.138	N	29.460	E	10	G			1.2	6	TURKEY
	26	03	42	56.0	40.073	N	19.730	E	10	G			0.5	6	ALBANIA. MG 3.1 (TIR).
	26	03	44	39.3*	37.858	N	20.497	E	10	G			1.1	9	IONIAN SEA
	26	03	55	26.1*	18.997	S	167.942	E	33	N	4.7	4.1	1.3	34	VANUATU ISLANDS
	26	04	01	44.8*	22.150	S	66.294	W	319	*	3.9		0.5	6	JUJUY PROVINCE, ARGENTINA
	26	06	18	55.9?	38.91	N	24.82	E	10	G			1.3	6	AEGEAN SEA
a	26	06	21	26.6	12.446	S	166.580	E	77	*	4.9		0.9	66	SANTA CRUZ ISLANDS
	26	06	26	26.4*	3.144	N	128.463	E	242	?	4.5		1.0	12	NORTH OF HALMAHERA
	26	06	30	30.0%	39.175	N	29.438	E	10	G			0.9	5	TURKEY
	26	07	49	28.7?	20.00	N	120.72	E	41	?	4.3		0.1	5	PHILIPPINE ISLANDS REGION
a	26	07	50	53.9	17.288	S	174.944	W	279	D	5.4		0.9	294	TONGA ISLANDS
	26	08	33	40.5?	30.54	N	42.07	W	10	G	4.5		0.5	14	NORTH ATLANTIC RIDGE
	26	08	44	01.4*	15.050	S	173.033	W	33	N	4.8		0.9	27	TONGA ISLANDS
	26	08	48	37.7	15.349	N	61.313	W	148				0.4	14	LEEWARD ISLANDS
	26	09	18	24.9*	36.996	N	29.050	E	10	G			0.3	5	TURKEY
	26	09	54	58.8&	38.980	N	122.850	W	2	G				7	NORTHERN CALIFORNIA. <BRK>. ML 2.2 (BRK). Felt at Lakepart.
	26	10	07	18.0*	0.961	S	80.858	W	33	N	4.0		0.7	11	NEAR COAST OF ECUADOR
	26	12	03	24.0%	39.422	N	27.936	E	10	G			1.4	6	TURKEY
	26	12	54	48.2*	28.239	N	52.016	E	44	*	4.1		0.5	15	SOUTHERN IRAN
	26	13	25	39.7?	36.02	N	30.08	E	10	G			1.3	5	TURKEY
	26	14	41	42.2	44.107	N	114.612	W	5	G			0.7	13	WESTERN IDAHO. ML 3.5 (NEIS). Felt (III) at Clayton.
	26	15	09	32.6	39.857	N	30.352	E	10	G			1.0	7	TURKEY
	26	15	24	39.4?	32.37	S	71.81	W	31				0.3	9	NEAR COAST OF CENTRAL CHILE
a	26	15	47	41.2	57.384	S	24.552	W	33	N	5.2	5.7	1.1	68	SOUTH SANDWICH ISLANDS REGION
	26	16	49	00.1?	6.99	S	130.17	E	192	?	4.3		0.3	6	BANDA SEA
	26	18	31	33.8&	62.316	N	124.230	W	10					12	NORTHWEST TERRITORIES, CANADA. <PGC>. mbLg 3.8 (PGC).
a	26	20	02	08.0	31.876	N	139.512	E	154	D	5.2		0.9	247	SOUTH OF HONSHU, JAPAN. Felt (I JMA) an Hachijo-jima and at Tokyo.
	26	20	09	05.5*	29.751	S	19.373	E	5	G			0.3	5	REPUBLIC OF SOUTH AFRICA
	26	20	35	31.2	23.363	N	121.535	E	56		4.5		0.9	32	TAIWAN
	26	22	25	58.2&	60.696	N	151.960	W	84					30	KENAI PENINSULA, ALASKA. <AGS-P>.
	26	23	34	15.3	44.319	N	12.279	E	10	G			0.3	8	NORTHERN ITALY. MD 3.1 (FIR).
	27	00	41	26.7%	39.090	N	29.103	E	10	G			0.6	5	TURKEY

	27	02	09	37.9	46.552	N	14.733	E	10	G			1.1	8	YUGOSLAVIA. MD 2.8 (TRI). Felt (V) in the Logarska Valley and (IV) at Solcava.
	27	04	38	37.3	3.056	S	101.579	E	53	D	5.3		1.2	113	SOUTHERN SUMATERA. Felt at Bengkulu.
	27	04	53	49.0*	44.520	N	149.401	E	33	N	4.7		1.1	51	KURIL ISLANDS
	27	05	23	36.1	27.655	N	139.889	E	478		4.7		0.8	74	BONIN ISLANDS REGION
	27	06	03	52.6*	3.424	N	83.120	W	10	G	5.1		1.0	13	OFF COAST OF CENTRAL AMERICA
	27	06	20	46.5	6.030	S	130.512	E	149		5.2		0.9	73	BANDA SEA
	27	06	52	53.9?	29.77	S	19.77	E	5	G			0.4	6	REPUBLIC OF SOUTH AFRICA
	27	07	07	11.2	46.265	N	10.431	E	10	G			1.4	25	NORTHERN ITALY. ML 3.1 (LDG), 2.9 (KBA).
	27	07	09	44.3*	17.035	N	141.959	E	33	N	4.7		0.3	8	MARIANA ISLANDS REGION
	27	07	25	41.1&	61.084	N	152.253	W	111					35	SOUTHERN ALASKA. <AGS-P>.
a	27	07	45	44.6	4.843	S	153.631	E	101		5.2		0.8	74	NEW IRELAND REGION
	27	08	06	43.1&	39.000	N	122.800	W	2	G				9	NORTHERN CALIFORNIA. <BRK>. ML 2.5 (BRK).
	27	08	57	29.3*	14.213	N	92.647	W	69	*	3.9		0.7	8	NEAR COAST OF CHIAPAS, MEXICO
	27	09	31	11.1%	39.664	N	29.451	E	10	G			1.0	6	TURKEY
	27	09	33	16.5%	39.687	N	29.421	E	10	G			1.1	6	TURKEY
	27	09	48	55.3*	21.009	S	68.592	W	157	*	4.3		1.3	11	CHILE-BOLIVIA BORDER REGION
	27	10	21	58.8?	11.85	S	165.76	E	33	N	3.9		1.4	10	SANTA CRUZ ISLANDS
	27	11	07	28.0?	51.16	N	177.60	E	33	N	4.4		0.8	8	RAT ISLANDS, ALEUTIAN ISLANDS
	27	11	33	52.4	11.599	N	87.154	W	62	*	4.8		1.2	76	NEAR COAST OF NICARAGUA
	27	11	35	50.8	9.471	S	125.152	E	33	N	5.1		1.4	42	TIMOR
	27	12	13	34.1?	12.97	N	123.75	E	117	?	4.5		1.6	10	LUZON, PHILIPPINE ISLANDS
	27	12	39	58.1	51.734	N	160.068	E	33	D	4.5	4.1	1.1	56	OFF EAST COAST OF KAMCHATKA
	27	13	43	49.6*	39.240	N	28.008	E	10	G			1.0	12	TURKEY
	27	15	15	23.2	44.224	N	9.922	E	10	G	4.6		0.9	23	NORTHERN ITALY. ML 3.3 (LDG). MD 3.3 (FIR).
	27	15	21	44.2*	36.519	N	71.057	E	241	?	4.3		0.6	14	AFGHANISTAN-USSR BORDER REGION
	27	15	53	09.8	21.372	S	67.379	W	205	D	4.8		1.4	60	CHILE-BOLIVIA BORDER REGION
	27	16	24	20.0	20.729	S	177.833	W	526		4.8		0.7	54	FIJI ISLANDS REGION
a	27	16	59	01.0	37.788	N	142.563	E	49		5.1	5.1	1.1	158	OFF EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Sendai and (I JMA) at Fukushima, Moriaka and Miyako.
	27	17	17	29.7	39.314	N	27.921	E	10	G			0.8	28	TURKEY
	27	17	41	24.0&	33.060	N	115.570	W	6	G				11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt (IV) at Westmarland. Felt (III) at Calipatria and Niland.
	27	18	50	09.5	32.727	N	130.051	E	10	G			0.3	6	KYUSHU, JAPAN. Felt (II JMA) at Nagasaki and Unzendake; (I JMA) at Fukuoka.
	27	19	10	41.6	60.500	N	5.433	E	0	G			0.5	6	SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion.
	27	19	28	24.8*	42.866	N	1.823	E	10	G			1.0	5	PYRENEES. ML 3.0 (LDG).
	27	20	02	49.9&	37.923	N	122.038	W	3	G				9	CENTRAL CALIFORNIA. <BRK>. ML 1.5 (BRK). Felt at Walnut Creek.
	27	20	41	46.3*	31.278	N	35.482	E	10	G			0.3	5	DEAD SEA REGION. ML 4.2 (JER).
	27	20	59	56.7&	37.890	N	122.042	W	5	G				5	CENTRAL CALIFORNIA. <BRK>. ML 1.0 (BRK). Felt at Walnut Creek.
	27	21	47	46.6	15.941	S	174.785	W	20	D	4.8	4.7	0.7	47	TONGA ISLANDS. Ms 5.0 (BRK).
	27	21	57	31.4*	37.175	N	20.554	E	10	G	3.9		1.4	8	IONIAN SEA
	27	22	00	08.9%	16.911	N	62.039	W	10	G			0.4	6	LEEWARD ISLANDS. ML 3.1 (FDF).
	27	22	21	53.9&	62.241	N	150.641	W	64					17	CENTRAL ALASKA. <AGS-P>.
	27	22	22	46.3?	16.17	S	174.85	W	33	N	4.6		0.9	9	TONGA ISLANDS
	27	23	22	27.2?	20.82	S	172.82	W	33	N	5.3		1.1	8	TONGA ISLANDS REGION
	27	23	55	22.5	45.876	N	7.148	E	10	G			0.9	7	NORTHERN ITALY
a	28	00	01	17.8	38.724	S	47.386	E	10	G	5.1	4.4	1.2	63	ATLANTIC-INDIAN RISE
a	28	02	11	04.8	5.458	S	68.664	E	10	G	4.9	4.7	1.0	79	CHAGOS ARCHIPELAGO REGION
	28	04	38	31.9*	39.320	N	27.978	E	10	G			1.0	11	TURKEY
	28	05	34	57.5&	37.905	N	122.042	W	1					11	CENTRAL CALIFORNIA. <BRK>. ML 2.1 (BRK). Mo=3.4*10**13 Nm (BRK). Felt at Pleasant Hill and Walnut Creek.
	28	06	15	27.9&	61.487	N	147.522	W	18					33	SOUTHERN ALASKA. <AGS-P>.
	28	06	42	46.5&	47.610	N	122.763	W	20					8	WASHINGTON. <SEA>. CL 2.8 (SEA). Felt in the Belfair-Port Orchard area.
	28	06	51	50.1%	39.368	N	27.899	E	10	G			1.7	5	TURKEY
	28	11	22	58.4?	15.19	N	62.17	W	33	N			1.3	7	LEEWARD ISLANDS. ML 3.0 (FDF).
	28	13	19	42.1?	58.19	N	6.35	E	10	G			1.0	6	SOUTHERN NORWAY. MD 2.4 (BER).
	28	13	27	10.0	3.473	S	134.502	E	33	N	4.9		1.1	30	WEST IRIAN REGION
	28	14	20	00.9*	45.308	N	25.312	E	10	G			0.9	6	ROMANIA
	28	15	13	42.4*	57.864	N	32.841	W	10	G	4.3		1.0	17	NORTH ATLANTIC OCEAN
	28	15	18	59.0*	1.744	N	127.064	E	122	*	4.3		0.8	16	HALMAHERA
a	28	15	32	30.5	2.052	N	99.086	E	19		5.6	5.6	1.2	261	NORTHERN SUMATERA
	28	15	51	01.8	60.699	N	5.515	E	0	G			1.5	6	SOUTHERN NORWAY. MD 1.9 (BER). Probable explosion.
	28	16	20	39.2?	38.48	S	47.91	E	10	G	4.6		0.7	5	ATLANTIC-INDIAN RISE
	28	17	15	50.3?	49.77	N	153.65	E	33	N	4.7		0.9	10	KURIL ISLANDS
	28	18	55	21.6	57.889	N	32.854	W	10	G	4.2	4.3	1.1	21	NORTH ATLANTIC OCEAN
	28	21	48	45.9&	34.030	N	116.740	W	11					8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	28	21	51	58.9	22.518	S	178.571	W	379	*	4.7		1.0	58	SOUTH OF FIJI ISLANDS
	28	22	41	34.3	27.485	N	56.054	E	38	*	4.5		0.9	50	SOUTHERN IRAN. Felt in the Bondar-e Abbas area.
	28	22	44	33.1	1.992	N	99.040	E	33	N	4.9		0.9	42	NORTHERN SUMATERA
	28	23	03	11.7*	2.853	N	65.738	E	10	G	4.9		1.2	15	CARLSBERG RIDGE
	29	00	15	27.2*	22.457	N	93.593	E	49	?	5.3		1.0	7	BURMA-INDIA BORDER REGION
	29	00	53	17.3*	9.834	N	126.685	E	71	?	4.9		0.9	16	MINDANAO, PHILIPPINE ISLANDS
a	29	01	45	22.6	27.437	N	56.109	E	9	G	5.9	5.3	0.9	383	SOUTHERN IRAN. Felt in the Bandar-e Abbas area and on Qeshm. Depth from broadband displacement seismograms.
	29	05	15	34.2	24.124	N	94.655	E	104	D	5.1		0.9	119	BURMA-INDIA BORDER REGION
	29	06	04	59.5?	13.31	S	167.73	E	33	N	5.1		1.2	27	VANUATU ISLANDS
	29	06	23	34.4*	60.609	N	146.944	W	33	N			1.2	7	SOUTHERN ALASKA. ML 3.0 (PMR).
	29	07	29	17.0*	2.102	N	99.145	E	65	*	4.1		1.5	8	NORTHERN SUMATERA
	29	07	49	03.7	46.400	N	23.139	E	33	N			1.0	7	ROMANIA
	29	09	11	37.8?	16.92	N	62.14	W	10	G			1.0	5	LEEWARD ISLANDS. ML 2.7 (FDF).
	29	13	57	09.2	46.307	N	1.487	E	14				0.7	22	FRANCE. ML 3.7 (LDG).
f	29	14	27	35.7	19.013	S	177.736	W	385	G	5.9		1.1	441	FIJI ISLANDS REGION. mb 6.5 (PAS), 6.2 (BRK). Depth from broadband displacement seismograms.
	29	14	31	00.8	43.728	N	20.507	E	10	G			1.1	16	YUGOSLAVIA. MD 3.0 (TTG). Felt at Kraljevo.
	29	16	07	07.6*	52.229	N	171.939	E	33	N	4.4		0.6	9	NEAR ISLANDS, ALEUTIAN ISLANDS
	29	17	18	39.3*	2.330	N	99.008	E	73	*	3.8		0.3	7	NORTHERN SUMATERA
	29	20	41	48.1	46.523	N	9.846	E	7				1.2	25	SWITZERLAND. ML 3.0 (LDG), 2.7 (KBA).
	29	20	57	17.2%	46.326	N	1.689	E	10	G			0.3	5	FRANCE. ML 1.7 (LDG).
	29	21	10	44.5*	32.412	S	71.524	W	50	*	4.3		0.6	13	NEAR COAST OF CENTRAL CHILE

	29	21 32 48.3?	61.02	N	4.05	E	10	G			1.5	5	SOUTHERN NORWAY. MD 2.4 (BER).
	29	21 41 35.6	1.871	N	99.448	E	177		4.5		1.1	23	NORTHERN SUMATERA
	29	21 43 19.2*	41.377	N	13.828	E	10	G			1.0	6	SOUTHERN ITALY
	29	22 14 42.1*	71.342	N	4.623	W	10	G	4.6	3.3	0.8	41	JAN MAYEN ISLAND REGION
	29	22 20 19.7&	60.038	N	152.920	W	108					34	SOUTHERN ALASKA. <AGS-P>.
	30	00 38 57.0*	49.406	N	28.638	W	10	G	4.6	4.5	1.5	44	NORTH ATLANTIC RIDGE
a	30	01 10 33.7	28.575	N	129.344	E	34		5.0		1.1	93	RYUKYU ISLANDS. Felt (V JMA) at Naze.
	30	01 21 19.4*	51.677	N	7.670	E	10	G			1.2	7	GERMANY
a	30	02 40 03.6	3.214	S	138.733	E	41		5.3	5.2	1.0	119	WEST IRIAN
a	30	05 17 37.0	39.761	N	74.573	E	8	D	5.7	5.6	1.1	327	SOUTHERN XINJIANG, CHINA. Minor damage in the Wuqia area. Felt strongly in the Kashi-Wuqia area. Felt (IV) at Andizhan and Sufi-Kurgan; (III) at Fergana, Kulyab and Dzhirgatal; (II) at Namangan, Dushanbe and Tashkent, USSR.
	30	05 46 51.0	38.420	N	30.576	E	10	G			1.1	8	TURKEY
	30	06 27 41.8*	39.777	N	74.747	E	10	G	4.5		0.7	16	SOUTHERN XINJIANG, CHINA
	30	06 31 02.3&	62.074	N	149.441	W	43					37	CENTRAL ALASKA. <AGS-P>. ML 2.4 (PMR).
	30	06 54 57.0	39.733	N	74.594	E	10	G	4.3		0.6	16	SOUTHERN XINJIANG, CHINA
	30	10 14 47.9	44.148	N	12.177	E	10	G			1.4	9	NORTHERN ITALY. MD 3.1 (ROM). ML 2.9 (KBA).
	30	10 29 53.7%	41.130	N	28.478	E	10	G			0.7	6	TURKEY
	30	11 33 40.0	45.375	N	25.361	E	10	G			0.7	6	ROMANIA
	30	12 47 26.2*	18.382	S	69.677	W	160	?			0.7	7	NORTHERN CHILE
	30	13 01 21.9	32.576	N	132.245	E	57		4.6		1.4	42	SHIKOKU, JAPAN. Felt (II JMA) at Nabeoka and (I JMA) at Oita.
	30	13 30 00.0&	37.233	N	116.423	W	0		5.5	4.4		245	SOUTHERN NEVADA. <DOE>. ML 5.3 (BRK). 37° 13' 58.97" N., 116° 25' 23.24" W., Surface Elev. 1970 m., Depth of Burial 600 m., Shot Time 133000.089, "HARDIN", Nevada Test Site (Dept. of Energy).
	30	13 46 10.8	37.187	N	141.322	E	61		4.9		1.0	97	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Onahama; (II JMA) at Fukushima, Mito, Sendai and Utsunomiya; (I JMA) at Ofunato, Morioka and Ishinamaki.
	30	14 11 16.8*	37.158	N	141.621	E	50	*	4.5		0.4	10	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Onahama.
	30	14 23 18.2*	18.999	N	146.844	E	33	N	4.7	4.7	1.0	16	MARIANA ISLANDS
	30	15 21 32.1%	39.656	N	28.366	E	10	G			0.6	5	TURKEY
	30	16 27 32.4%	15.587	N	60.889	W	33	N			0.6	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	30	17 21 45.3	20.632	S	65.748	W	308	*	4.8		1.4	26	SOUTHERN BOLIVIA
	30	18 10 05.2?	4.98	S	143.99	E	166	?	3.7		0.1	5	PAPUA NEW GUINEA
	30	19 24 22.2&	36.840	N	121.283	W	7					24	CENTRAL CALIFORNIA. <BRK>. ML 4.1 (BRK). Mo=2.6*10**15 Nm (BRK). Felt (V) at Hollister. Also felt at King City, Paicines and San Jose.
a	30	19 30 31.6	6.359	S	131.036	E	82		5.1		1.1	66	TANIMBAR ISLANDS REGION. Felt (II) at Saumlaki.
	30	20 33 18.7%	47.409	N	1.308	W	10	G			0.7	10	FRANCE. ML 3.0 (LDG).
	30	20 47 11.3*	39.337	N	27.922	E	10	G			1.5	11	TURKEY
	30	21 20 07.8	2.288	N	99.074	E	43	*	4.7	4.0	1.5	43	NORTHERN SUMATERA
	30	22 51 13.0&	36.833	N	121.280	W	8					17	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt at Hollister.
	30	23 06 19.0%	39.562	N	27.917	E	10	G			1.0	7	TURKEY.
	30	23 09 24.0&	61.558	N	150.440	W	49					39	SOUTHERN ALASKA. <AGS-P>.

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 01 48 08.52 22.767S 66.205W 249km
6.1mb (63 obs.)
JUJUY PROVINCE, ARGENTINA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=196 Dip=83 Slip= 95
NP2: 340 9 55
Principal Axes:
T Plg=52 Azm=112
P 38 282
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a small right-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 5.4±2.8*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 14S, 40C M.W.: 13S, 34C
Centroid Locatian:
Origin Time 01:48:20.2 0.1
Lat 22.92S 0.01 Lon 66.19W 0.01
Dep 250.8 0.6 Half-duration 11.4
Principal Axes:
Scale 10**19 Nm
T Val= 3.50 Plg=44 Azm=100
N -0.62 14 357
P -2.88 43 253
Best Double Couple:Mo=3.2*10**19
NP1:Strike=268 Dip=14 Slip= 1
NP2: 177 90 104

02 05 46 06.36 11.741N 87.262W 41km
5.0mb (12 obs.) 4.6Msz (4 obs.)
NEAR COAST OF NICARAGUA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Locotion:
Origin Time 05:46: 5.9 1.1
Lat 10.91N 0.12 Lon 87.02W 0.13
Dep 26.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.48 Plg=53 Azm= 51
N -0.10 16 298
P -1.38 32 198
Best Double Couple:Mo=1.4*10**17
NP1:Strike=244 Dip=20 Slip= 35
NP2: 121 79 106

02 18 45 42.31 36.104N 71.156E 103km
5.7mb (86 obs.)
AFGHANISTAN-USSR BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=233 Dip=75 Slip=-120
NP2: 119 33 -28
Principal Axes:
T Plg=24 Azm=346
P 51 109
Comment: The focal mechanism is maderately well controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 107 No. of sta: 10
Principal Axes:
Scale 10**17 Nm
T Val= 2.62 Plg=26 Azm=331
N 0.01 15 233
P -2.63 60 117
Best Double Couple:Mo=2.6*10**17
NP1:Strike= 91 Dip=23 Slip= -50
NP2: 229 72 -106
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centroid Location:
Origin Time 18:45:45.3 0.3
Lat 36.10N 0.05 Lon 70.78E 0.05
Dep 113.3 3.1 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.84 Plg=31 Azm=340
N -0.40 11 244
P -2.45 57 137
Best Double Couple:Mo=2.6*10**17
NP1:Strike=101 Dip=17 Slip= -52
NP2: 242 76 -101

03 03 32 21.28 25.240S 179.875E 483km
5.2mb (25 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 21C
Centroid Location:
Origin Time 03:32:32.5 1.5
Lat 24.93S 0.14 Lan 179.42E 0.15
Dep 477.8 6.7 Half-durotion 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.98 Plg=33 Azm=101
N 2.10 9 197
P -8.07 56 300
Best Double Couple:Mo=7.0*10**16
NP1:Strike=159 Dip=15 Slip=-128
NP2: 19 79 -81

03 17 54 23.69 4.731S 144.216E 91km
5.7mb (38 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=270 Dip=82 Slip= 140
NP2: 7 50 10

Principal Axes:
T Plg=33 Azm=220
P 21 325
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 3.1±1.0*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 94 No. of sta: 8
Principal Axes:
Scale 10**17 Nm
T Val= 9.01 Plg=26 Azm=219
N 0.90 61 68
P -9.91 12 315
Best Double Couple:Mo=9.5*10**17
NP1:Strike=360 Dip=63 Slip= 11
NP2: 265 81 152
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 40C
Centroid Location:
Origin Time 17:54:30.4 0.2
Lat 4.82S 0.02 Lon 144.12E 0.03
Dep 95.0 1.7 Half-duration 3.7
Principal Axes:
Scale 10**17 Nm
T Val= 8.47 Plg=21 Azm=238
N 0.99 59 110
P -9.46 23 337
Best Double Couple:Mo=9.0*10**17
NP1:Strike= 17 Dip=59 Slip= -1
NP2: 108 89 -149

04 07 58 39.01 22.155S 179.539W 585km
5.4mb (35 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 07:58:45.8 1.8
Lat 22.65S 0.19 Lon 179.48W 0.16
Dep 585.7 7.2 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 1.13 Plg=42 Azm= 83
N -0.08 4 176
P -1.05 48 270
Best Double Couple:Mo=1.1*10**17
NP1:Strike=126 Dip= 5 Slip=-140
NP2: 356 87 -86

04 09 51 38.25 16.772S 172.725W 34km
5.4mb (30 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 29C
Centroid Location:
Origin Time 09:51:40.9 0.9
Lat 17.00S 0.09 Lon 172.24W 0.09
Dep 39.6 8.5 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 10.59 Plg=37 Azm=212
N 1.71 39 338
P -12.30 30 96
Best Double Couple:Mo=1.1*10**17
NP1:Strike=241 Dip=39 Slip= 174
NP2: 335 86 51

05 11 33 28.78 42.363S 18.565W 10km
5.1mb (11 obs.) 5.0Msz (1 obs.)
SOUTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 37C
Centroid Location:
Origin Time 11:33:34.4 0.4
Lat 42.55S 0.04 Lon 18.60W 0.07
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.25 Plg= 8 Azm=337
N 0.00 65 84
P -2.25 23 243
Best Double Couple:Mo=2.3*10**17
NP1:Strike= 22 Dip=68 Slip=-169
NP2: 288 80 -23

06 07 19 51.06 62.639S 155.399E 10km
5.2mb (4 obs.) 4.9Msz (2 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 07:20: 1.7 0.5
Lat 62.39S 0.07 Lon 154.21E 0.15
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.35 Plg= 9 Azm=201
N -0.09 76 328
P -1.25 11 109
Best Double Couple:Mo=1.3*10**17
NP1:Strike=245 Dip=76 Slip=-178
NP2: 155 88 -14

07 00 40 43.40 37.363N 141.796E 29km
6.4mb (90 obs.) 6.6Msz (24 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 35 Dip=82 Slip= 130
NP2: 134 41 12
Principal Axes:
T Plg=39 Azm=341
P 26 95
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 11 Focal mech. M
Energy 2.0±0.4*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 32 No. of sta: 18
Principal Axes:
Scale 10**19 Nm
T Val= 1.11 Plg=58 Azm=271
N 0.02 12 20
P -1.13 30 116
Best Double Couple:Mo=1.1*10**19
NP1:Strike=237 Dip=19 Slip= 129
NP2: 17 76 78
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 16S, 46C M.W.: 17S, 41C
Centroid Location:
Origin Time 00:40:49.5 0.1
Lat 37.30N 0.01 Lon 141.75E 0.01
Dep 31.0 BDY Half-duration 8.0
Principal Axes:
Scale 10**18 Nm
T Val= 11.47 Plg=61 Azm=296
N -0.10 1 205
P -11.37 29 114
Best Double Couple:Mo=1.1*10**19
NP1:Strike=203 Dip=16 Slip= 88
NP2: 25 74 91

08 09 49 38.16 5.436S 152.928E 50km
5.4mb (31 obs.) 5.2Msz (4 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 09:49:40.9 0.5
Lat 5.61S 0.06 Lon 152.92E 0.06
Dep 49.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.11 Plg=25 Azm= 23
N 0.27 31 277
P -2.38 48 145
Best Double Couple:Mo=2.2*10**17
NP1:Strike=159 Dip=34 Slip= -24
NP2: 269 77 -122

08 17 42 37.26 11.678N 86.401W 56km
5.3mb (61 obs.) 6.4Msz (25 obs.)
NEAR COAST OF NICARAGUA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 18S, 51C M.W.: 15S, 34C
Centroid Location:
Origin Time 17:42:44.9 0.1
Lat 11.44N 0.01 Lon 86.70W 0.02
Dep 20.0 BDY Half-duration 5.7
Principal Axes:
Scale 10**18 Nm
T Val= 4.99 Plg=59 Azm= 24
N 0.08 2 118
P -5.06 31 209
Best Double Couple:Mo=5.0*10**18
NP1:Strike=307 Dip=14 Slip= 99
NP2: 118 76 88

09 00 48 55.51 1.242N 128.432E 45km
5.5mb (41 obs.) 6.1Msz (13 obs.)
HALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 15S, 45C M.W.: 16S, 34C
Centroid Location:
Origin Time 00:48:58.0 0.1
Lat 1.06N 0.01 Lon 128.41E 0.02
Dep 23.6 1.2 Half-duration 5.3
Principal Axes:
Scale 10**18 Nm
T Val= 3.36 Plg=30 Azm= 38
N -0.93 59 228
P -2.42 4 130
Best Double Couple:Mo=2.9*10**18
NP1:Strike=178 Dip=66 Slip= 19
NP2: 80 72 154

09 22 59 54.77 52.834N 168.309W 33km
5.3mb (70 obs.) 5.1Msz (8 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 36C
Centroid Location:
Origin Time 23:00: 0.9 0.3
Lat 52.98N 0.03 Lon 168.07W 0.04
Dep 43.4 2.4 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.35 Plg=63 Azm=261
N 0.25 19 32
P -3.59 19 129
Best Double Couple:Mo=3.5*10**17
NP1:Strike=247 Dip=31 Slip= 129
NP2: 24 67 69

10 06 43 25.30 37.093N 57.610E 46km
4.9mb (47 obs.)
IRAN-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 06:43:19.9 1.1
Lat 37.40N 0.23 Lon 57.28E 0.22
Dep 15.0 BDY Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 5.32 Plg=49 Azm=134
N 0.02 38 343
P -5.35 15 241
Best Double Couple:Mo=5.3*10**16
NP1:Strike=292 Dip=45 Slip= 30
NP2: 180 69 131

11 14 25 00.37 11.849S 166.591E 185km
5.1mb (29 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Location:
Origin Time 14:24:56.5 1.4
Lat 12.46S 0.12 Lon 166.94E 0.12
Dep 157.9 3.2 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.97 Plg=84 Azm=326
N 1.51 6 162
P -7.48 2 72
Best Double Couple:Mo=6.7*10**16
NP1:Strike=155 Dip=44 Slip= 81
NP2: 348 47 98

11 18 13 28.34 23.986N 122.027E 55km
5.6mb (71 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 25C
Centroid Location:

Origin Time 18:13:25.7 0.6
Lat 23.78N 0.10 Lon 121.79E 0.12
Dep 38.2 5.4 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.16	3	104
N	-0.08	21	13
P	-9.08	68	201

Best Double Couple:Mo=9.1*10**16
NP1:Strike=215 Dip=46 Slip= -60
NP2: 355 52 -118

11 19 02 06.33 1.024N 128.462E 33km
5.2mb (18 obs.) 5.3Msz (2 obs.)
HALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centroid Location:
Origin Time 19:02: 9.8 0.4
Lat 0.77N 0.06 Lon 128.37E 0.07
Dep 15.0 BDY Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.37	35	26
N	0.18	54	225
P	-2.55	9	122

Best Double Couple:Mo=2.5*10**17
NP1:Strike=170 Dip=59 Slip= 20
NP2: 69 73 147

12 02 47 20.11 35.502N 23.370E 47km
5.1mb (48 obs.)
CRETE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 02:47:16.7 1.1
Lat 35.40N 0.10 Lon 23.27E 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.94	0	207
N	-2.09	90	180
P	-4.85	0	117

Best Double Couple:Mo=5.9*10**16
NP1:Strike=252 Dip=90 Slip= 180
NP2: 342 90 0

13 08 06 40.70 37.332S 78.218E 10km
5.3mb (12 obs.) 5.8Msz (4 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 39C
Centroid Location:
Origin Time 08:06:47.8 0.3
Lat 37.41S 0.04 Lon 78.34E 0.04
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.39	14	278
N	-1.35	74	127
P	-4.04	7	10

Best Double Couple:Mo=4.7*10**17
NP1:Strike= 55 Dip=75 Slip= 5
NP2: 324 85 165

13 09 11 00.37 16.936S 179.253W 514km
5.0mb (31 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 09:11: 2.5 1.2
Lat 16.85S 0.09 Lon 178.84W 0.10
Dep 530.6 7.1 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.46	10	127
N	0.17	62	236
P	-1.63	26	32

Best Double Couple:Mo=1.5*10**17
NP1:Strike=173 Dip=65 Slip=-168
NP2: 77 79 -26

14 00 13 10.15 15.658S 14.982W 10km
5.3mb (42 obs.) 5.0Msz (4 obs.)
SOUTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C
Centroid Location:
Origin Time 00:13:22.3 1.0
Lat 14.96S 0.08 Lon 14.74W 0.07
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.77	19	182
N	-0.46	69	30
P	-1.30	9	276

Best Double Couple:Mo=1.5*10**17
NP1:Strike=320 Dip=70 Slip= 7
NP2: 228 83 160

14 02 08 13.73 18.802N 146.951E 23km
5.7mb (61 obs.) 6.1Msz (23 obs.)
MARIANA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=357 Dip=75 Slip= 90
NP2: 177 15 90
Principal Axes:

	Plg=	Azm=
T	60	267
P	30	87

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 11 No. of sta: 15
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.56	49	244
N	-0.02	31	17
P	-1.54	24	123

Best Double Couple:Mo=1.5*10**18
NP1:Strike=258 Dip=35 Slip= 155
NP2: 9 76 58
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 37C
Centroid Location:
Origin Time 02:08:21.0 0.3
Lat 18.92N 0.03 Lon 147.13E 0.03
Dep 15.0 FIX Half-duration 5.0
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.14	67	304
N	0.46	10	190
P	-1.60	20	96

Best Double Couple:Mo=1.4*10**18
NP1:Strike=169 Dip=26 Slip= 67
NP2: 14 66 101

14 06 10 50.50 18.796N 146.992E 37km
5.2mb (25 obs.) 5.2Msz (5 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 33C
Centroid Location:
Origin Time 06:10:56.2 0.4
Lat 18.86N 0.05 Lon 147.04E 0.04
Dep 17.8 2.9 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.97	68	226
N	-0.24	12	347
P	-3.73	18	82

Best Double Couple:Mo=3.9*10**17
NP1:Strike=191 Dip=29 Slip= 116
NP2: 342 65 76

14 17 20 40.02 58.341S 25.421W 33km
5.5mb (12 obs.) 5.1Msz (6 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 40C
Centroid Location:
Origin Time 17:20:47.9 0.4
Lat 58.37S 0.04 Lon 25.45W 0.07
Dep 27.8 2.4 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.52	72	258
N	0.25	1	351
P	-3.77	18	81

Best Double Couple:Mo=3.6*10**17
NP1:Strike=173 Dip=27 Slip= 92
NP2: 350 63 89

16 01 10 20.63 54.957N 157.985E 310km
5.0mb (68 obs.)
KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 01:10:25.8 1.0
Lat 54.83N 0.10 Lon 157.84E 0.16
Dep 333.1 5.1 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.47	21	34
N	-1.03	32	138
P	-6.44	51	277

Best Double Couple:Mo=6.9*10**16
NP1:Strike= 83 Dip=37 Slip=-150
NP2: 329 73 -57

16 13 23 40.14 22.278S 171.815E 33km
5.6mb (17 obs.) 5.7Msz (12 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 39C
Centroid Location:
Origin Time 13:23:43.8 0.5
Lat 22.42S 0.04 Lon 171.91E 0.04
Dep 15.0 BDY Half-duration 3.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	7.42	9	298
N	0.05	65	187
P	-7.46	23	32

Best Double Couple:Mo=7.4*10**17
NP1:Strike= 72 Dip=67 Slip= -10
NP2: 166 81 -157

16 19 23 25.85 37.065N 141.473E 55km
5.7mb (45 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C
Centroid Location:
Origin Time 19:23:27.5 0.2
Lat 36.82N 0.02 Lon 141.58E 0.02
Dep 32.0 BDY Half-duration 4.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	13.29	69	285
N	1.79	2	20
P	-15.08	21	110

Best Double Couple:Mo=1.4*10**18
NP1:Strike=203 Dip=24 Slip= 94
NP2: 19 66 88

17 00 12 24.84 8.945N 123.979E 556km
5.3mb (41 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 00:12:28.3 1.1
Lat 8.94N 0.11 Lon 123.90E 0.10
Dep 551.7 6.2 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.41	12	127
N	0.76	20	221
P	-6.17	66	8

Best Double Couple:Mo=5.8*10**16
NP1:Strike=193 Dip=37 Slip=-124
NP2: 53 60 -67

17 00 33 48.63 15.348N 145.780E 102km
5.3mb (30 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centroid Location:
Origin Time 00:33:51.1 0.4
Lat 15.19N 0.03 Lon 145.71E 0.05
Dep 94.9 3.8 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.22	37	303
N	0.11	19	198
P	-2.33	47	87

Best Double Couple:Mo=2.3*10**17
NP1:Strike= 92 Dip=19 Slip= -15
NP2: 197 85 -109

17 05 14 31.69 20.221S 174.388W 76km
5.1mb (15 abs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centraid Lacatian:
Origin Time 05:14:37.2 1.0
Lat 19.82S 0.14 Lon 174.18W 0.09
Dep 87.4 5.4 Half-duratian 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.67	59	150
N	1.54	28	0
P	-8.20	13	263

Best Double Cauple:Ma=7.4*10**16
NP1:Strike=321 Dip=40 Slip= 44
NP2: 195 64 121

17 07 33 41.10 35.672N 139.997E 81km
5.1mb (52 abs.)
NEAR S. COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 20C
Centraid Lacatian:
Origin Time 07:33:45.8 1.2
Lat 35.43N 0.10 Lan 140.04E 0.11
Dep 48.3 7.6 Half-duratian 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.67	68	325
N	1.98	16	191
P	-6.65	15	96

Best Dauble Couple:Ma=5.7*10**16
NP1:Strike=165 Dip=33 Slip= 60
NP2: 20 62 108

17 08 33 36.54 17.095S 173.443W 33km
5.3mb (20 obs.) 4.7Msz (1 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Lacotion:
Origin Time 08:33:43.3 0.6
Lat 17.21S 0.12 Lan 173.14W 0.10
Dep 31.8 5.7 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.30	48	172
N	-0.17	25	294
P	-1.13	31	40

Best Double Couple:Mo=1.2*10**17
NP1:Strike=182 Dip=27 Slip= 160
NP2: 289 81 64

18 02 01 38.89 61.374N 150.656W 68km
5.7mb (77 obs.)
SOUTHERN ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 35C
Centroid Location:
Origin Time 02:01:42.4 0.6
Lat 61.40N 0.06 Lan 150.22W 0.10
Dep 69.0 6.0 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.02	57	291
N	-0.83	1	23
P	-10.19	33	114

Best Double Couple:Mo=1.1*10**17
NP1:Strike=209 Dip=12 Slip= 96
NP2: 23 78 89

20 09 31 37.86 21.654S 179.137W 570km
5.4mb (45 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 35C
Centraid Lacatian:
Origin Time 09:31:46.4 0.4
Lat 21.65S 0.03 Lan 179.17W 0.04
Dep 600.6 1.9 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.31	42	71
N	1.11	15	175
P	-6.42	44	280

Best Double Cauple:Mo=5.9*10**17
NP1:Strike= 89 Dip=15 Slip=-176
NP2: 355 89 -75

20 10 56 45.45 30.510S 179.049W 221km
5.1mb (4 abs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centraid Lacation:
Origin Time 10:56:54.0 1.1
Lat 30.39S 0.10 Lan 179.49W 0.13
Dep 231.3 5.6 Half-duratian 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.06	36	98
N	-1.33	16	200
P	-6.73	49	310

Best Double Cauple:Ma=7.4*10**16
NP1:Strike=134 Dip=18 Slip=-157
NP2: 22 83 -73

21 15 28 39.84 22.740S 170.261E 15km
6.0mb (35 obs.) 6.0Msz (20 obs.)
LOYALTY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=115 Dip=60 Slip= -70
NP2: 259 36 -121
Principal Axes:

	Plg=	Azm=
T	13	191
P	68	66

Comment: The focal mechanism is moderately well contralled and carresponds to narmal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 3.7±1.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 19 No. of sta: 11
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.53	8	2
N	0.06	22	269
P	-1.59	66	111

Best Double Couple:Ma=1.6*10**18
NP1:Strike=116 Dip=42 Slip= -55
NP2: 253 57 -117
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 19S, 49C M.W.: 12S, 26C
Centroid Location:
Origin Time 15:28:48.4 0.2
Lat 22.76S 0.02 Lon 170.09E 0.02
Dep 15.0 BDY Half-duration 4.3
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.63	6	25
N	0.07	10	116
P	-1.70	79	262

Best Double Couple:Mo=1.7*10**18
NP1:Strike=104 Dip=40 Slip=-105
NP2: 303 52 -78

22 20 13 23.15 37.155N 141.573E 30km
6.1mb (106 abs.) 6.6Msz (25 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 33 Dip=72 Slip= 90
NP2: 213 18 90
Principal Axes:

	Plg=	Azm=
T	63	303
P	27	123

Comment: The focal mechanism is well controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 12 Focal mech. F
Energy 6.5±1.1*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 33 No. of sta: 22
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.22	56	269
N	-0.03	16	24
P	-1.19	29	124

Best Double Couple:Mo=1.2*10**19
NP1:Strike=252 Dip=22 Slip= 140
NP2: 20 76 73
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 19S, 52C M.W.: 15S, 38C
Centroid Location:
Origin Time 20:13:30.1 0.1
Lat 37.17N 0.01 Lon 141.67E 0.01
Dep 33.0 BDY Half-duratian 8.2
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	10.80	60	298
N	0.02	2	205
P	-10.82	30	114

Best Double Couple:Mo=1.1*10**19
NP1:Strike=199 Dip=16 Slip= 84
NP2: 26 75 92

23 05 54 53.70 5.591N 126.430E 91km
5.2mb (30 abs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 24C
Centraid Lacatian:
Origin Time 05:54:54.7 1.0
Lat 5.55N 0.12 Lan 126.46E 0.12
Dep 69.1 6.2 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.64	68	194
N	2.28	22	19
P	-6.92	2	289

Best Double Couple:Mo=5.8*10**16
NP1:Strike=358 Dip=47 Slip= 60
NP2: 218 51 118

23 16 39 25.66 5.876N 125.885E 153km
5.3mb (29 abs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 16:39:26.8 0.4
Lat 6.03N 0.03 Lon 125.91E 0.06
Dep 142.7 1.7 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.47	6	198
N	0.34	53	297
P	-1.81	36	104

Best Double Couple:Mo=1.6*10**17
NP1:Strike=248 Dip=60 Slip=-157
NP2: 146 70 -32

24 12 41 03.17 5.768S 127.573E 375km
5.4mb (40 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 38C
Centroid Location:
Origin Time 12:41: 5.4 0.5
Lat 6.02S 0.04 Lon 127.65E 0.06
Dep 399.3 2.9 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.27	26	207
N	0.45	5	115
P	-1.71	64	15

Best Double Couple:Mo=1.5*10**17
NP1:Strike=308 Dip=20 Slip= -76
NP2: 113 71 -95

25 08 08 59.24 6.837N 126.062E 75km
5.1mb (19 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Lacatian:
Origin Time 08:09: 2.7 0.8
Lat 6.89N 0.08 Lon 126.14E 0.12
Dep 90.5 4.3 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	12.27	8	63
N	-0.69	69	312
P	-11.58	19	156

Best Double Couple:Mo=1.2*10**17
NP1:Strike=198 Dip=71 Slip= -8
NP2: 291 82 -161

25 12 16 52.44 16.066N 120.301E 107km
6.3mb (27 abs.)

LUZON, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 62 Dip=73 Slip=-127
NP2: 311 40 -27
Principal Axes:
T Plg=19 Azm=179
P 48 292
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a large strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. M
Energy 1.3±0.4*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 108 No. of sta: 12
Principal Axes:
Scale 10**19 Nm
T Val= 2.30 Plg=19 Azm=178
N 0.05 28 78
P -2.35 55 298
Best Double Couple:Mo=2.3*10**19
NP1:Strike=306 Dip=36 Slip= -36
NP2: 66 70 -120
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 15S, 41C M.W.: 14S, 35C
Centroid Location:
Origin Time 12:16:55.5 0.1
Lat 16.02N 0.01 Lon 120.52E 0.02
Dep 105.4 0.8 Half-duration 10.8
Principal Axes:
Scale 10**19 Nm
T Val= 2.38 Plg=13 Azm=191
N -0.06 35 92
P -2.31 52 298
Best Double Couple:Mo=2.3*10**19
NP1:Strike=317 Dip=44 Slip= -35
NP2: 74 66 -128

25 19 22 07.20 2.244N 98.866E 11km
5.9mb (65 obs.) 6.6Msz (23 obs.)
NORTHERN SUMATERA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=286 Dip=72 Slip= 90
NP2: 106 18 90
Principal Axes:
T Plg=63 Azm=196
P 27 16
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 46 No. of sta: 17
Principal Axes:
Scale 10**18 Nm
T Val= 2.61 Plg=60 Azm=197
N 0.15 13 84
P -2.76 27 347
Best Double Couple:Mo=2.7*10**18
NP1:Strike= 49 Dip=21 Slip= 52
NP2: 268 73 103
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 16S, 40C M.W.: 15S, 37C
Centroid Location:
Origin Time 19:22:12.9 0.2
Lat 2.09N 0.01 Lon 99.02E 0.02
Dep 21.5 1.3 Half-duration 7.0
Principal Axes:
Scale 10**18 Nm
T Val= 5.24 Plg=16 Azm=281
N -0.31 74 82
P -4.92 5 190
Best Double Couple:Mo=5.1*10**18
NP1:Strike=324 Dip=75 Slip= 172
NP2: 56 83 15

26 06 21 26.67 12.446S 166.580E 77km
4.9mb (10 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 26C
Centroid Location:
Origin Time 06:21:29.3 1.2
Lat 12.62S 0.16 Lon 166.03E 0.14
Dep 65.3 8.2 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 3.45 Plg=76 Azm=272
N 0.27 7 153
P -3.71 12 62
Best Double Couple:Mo=3.6*10**16
NP1:Strike=143 Dip=33 Slip= 77
NP2: 338 58 98

26 07 50 53.99 17.288S 174.944W 279km
5.4mb (48 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 41C
Centroid Location:
Origin Time 07:50:59.0 0.4
Lat 17.05S 0.03 Lon 174.74W 0.03
Dep 277.4 1.4 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.92 Plg= 1 Azm= 0
N -0.53 18 91
P -4.39 72 268
Best Double Couple:Mo=4.7*10**17
NP1:Strike= 73 Dip=47 Slip=-115
NP2: 287 49 -66

26 15 47 41.29 57.384S 24.552W 33km
5.2mb (7 obs.) 5.7Msz (5 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 43C
Centroid Location:
Origin Time 15:47:46.6 0.2
Lat 57.31S 0.03 Lon 24.28W 0.05
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 5.86 Plg=67 Azm=261
N -0.08 4 162
P -5.78 23 71
Best Double Couple:Mo=5.8*10**17
NP1:Strike=153 Dip=23 Slip= 80
NP2: 344 68 94

26 20 02 08.01 31.876N 139.512E 154km
5.2mb (75 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 20:02:12.3 0.7
Lat 31.97N 0.06 Lon 139.49E 0.09
Dep 147.3 2.5 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 11.48 Plg=35 Azm= 80
N -1.77 50 291
P -9.71 16 181
Best Double Couple:Mo=1.1*10**17
NP1:Strike=226 Dip=53 Slip= 15
NP2: 127 78 142

27 07 45 44.66 4.843S 153.631E 101km
5.2mb (18 obs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 07:45:49.6 1.5
Lat 4.33S 0.10 Lon 153.08E 0.14
Dep 109.2 5.6 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 4.22 Plg=80 Azm= 31
N 0.02 8 172
P -4.24 6 263
Best Double Couple:Mo=4.2*10**16
NP1:Strike= 2 Dip=39 Slip= 102
NP2: 166 52 80

27 16 59 01.04 37.788N 142.563E 49km
5.1mb (41 obs.) 5.1Msz (3 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 16:59: 0.9 1.4
Lat 37.75N 0.14 Lon 142.90E 0.18
Dep 20.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 5.98 Plg=57 Azm=333
N 1.05 18 214
P -7.03 26 115
Best Double Couple:Mo=6.5*10**16
NP1:Strike=169 Dip=24 Slip= 43
NP2: 39 74 108

28 00 01 17.82 38.724S 47.386E 10km
5.1mb (15 obs.) 4.4Msz (1 obs.)
ATLANTIC-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 38C
Centroid Location:
Origin Time 00:01:17.5 0.8
Lat 39.34S 0.07 Lon 47.69E 0.06
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.82 Plg=13 Azm= 5
N 0.07 25 269
P -1.89 61 121
Best Double Couple:Mo=1.9*10**17
NP1:Strike=125 Dip=38 Slip= -47
NP2: 255 63 -119

28 02 11 04.89 5.458S 68.664E 10km
4.9mb (16 obs.) 4.7Msz (3 obs.)
CHAGOS ARCHIPELAGO REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 02:11:13.0 0.9
Lat 5.05S 0.10 Lon 68.56E 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.70 Plg= 2 Azm=276
N -1.39 82 172
P -5.31 8 6
Best Double Couple:Mo=6.0*10**16
NP1:Strike= 51 Dip=83 Slip= -4
NP2: 141 86 -173

28 15 32 30.56 2.052N 99.086E 19km
5.6mb (73 obs.) 5.6Msz (15 obs.)
NORTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 38C
Centroid Location:
Origin Time 15:32:32.6 0.3
Lat 1.97N 0.03 Lon 99.07E 0.03
Dep 15.0 BDY Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 5.27 Plg=14 Azm=286
N -0.56 70 59
P -4.71 14 192
Best Double Couple:Mo=5.0*10**17
NP1:Strike=329 Dip=70 Slip= 180
NP2: 59 90 20

29 01 45 22.63 27.437N 56.109E 9km
5.9mb (95 obs.) 5.3Msz (12 obs.)
SOUTHERN IRAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=250 Dip=60 Slip= 90
NP2: 70 30 90
Principal Axes:
T Plg=75 Azm=160
P 15 340
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 37C
Centroid Location:
Origin Time 01:45:25.9 0.4
Lat 26.99N 0.05 Lon 55.93E 0.05
Dep 15.0 BDY Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.69 Plg=73 Azm=275
N 1.28 16 74
P -4.98 6 166

Best Double Couple:Mo=4.3*10**17
NP1:Strike=273 Dip=42 Slip= 114
NP2: 62 52 70

29 14 27 35.74 19.013S 177.736W 385km
5.9mb (61 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=255 Dip=80 Slip= 90
NP2: 75 10 90
Principal Axes:
T Plg=55 Azm=165
P 35 345
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 11 Focal mech. C
Energy 1.6±0.4*10**15 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 51C
Centroid Location:
Origin Time 14:27:44.3 0.2
Lat 19.06S 0.02 Lon 177.84W 0.02
Dep 410.6 0.9 Half-duration 6.6
Principal Axes:
Scale 10**18 Nm
T Val= 6.13 Plg=54 Azm=195
N 0.26 27 61
P -6.39 22 318
Best Double Couple:Mo=6.3*10**18
NP1:Strike= 9 Dip=33 Slip= 33
NP2: 250 73 119

30 01 10 33.78 28.575N 129.344E 34km
5.0mb (22 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 01:10:35.6 1.3
Lat 28.44N 0.15 Lon 128.76E 0.25
Dep 76.912.2 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 6.52 Plg=21 Azm=171
N 1.34 63 310
P -7.87 16 74
Best Double Couple:Mo=7.2*10**16
NP1:Strike=212 Dip=63 Slip= 176
NP2: 303 87 27

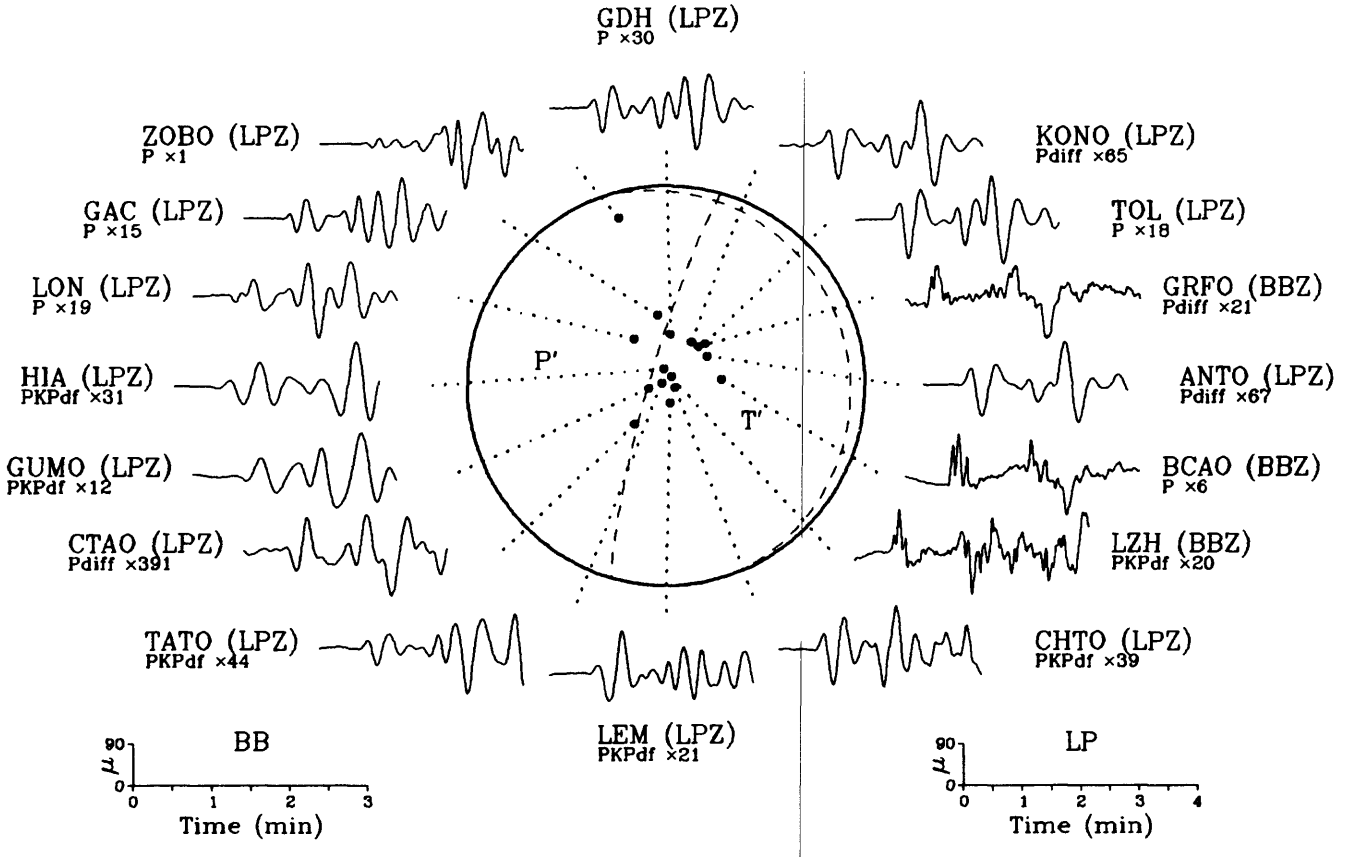
30 02 40 03.66 3.214S 138.733E 41km
5.3mb (18 obs.) 5.2Msz (6 obs.)
WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 39C
Centroid Location:
Origin Time 02:40: 9.9 0.4
Lat 2.81S 0.03 Lon 138.60E 0.04
Dep 41.9 3.8 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.51 Plg=64 Azm=200
N 0.22 2 294
P -2.73 26 25
Best Double Couple:Mo=2.6*10**17
NP1:Strike=120 Dip=19 Slip= 96
NP2: 294 71 88

30 05 17 37.03 39.761N 74.573E 8km
5.7mb (88 obs.) 5.6Msz (11 obs.)
SOUTHERN XINJIANG, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centroid Location:
Origin Time 05:17:43.2 0.3
Lat 39.67N 0.04 Lon 74.67E 0.04
Dep 15.0 BDY Half-duration 2.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.78 Plg=87 Azm=273
N -0.09 3 116
P -3.69 1 26
Best Double Couple:Mo=3.7*10**17
NP1:Strike=113 Dip=44 Slip= 86
NP2: 299 46 94

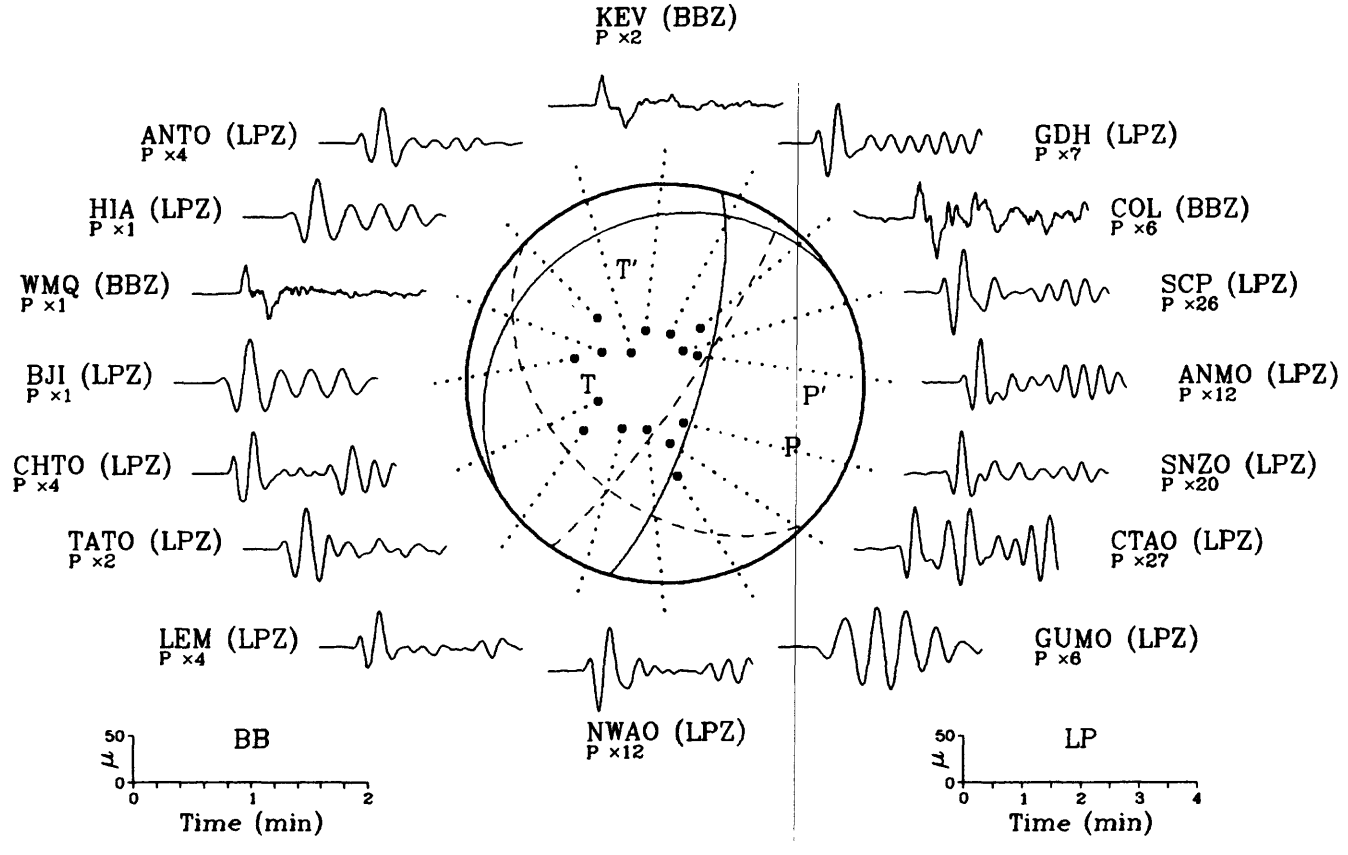
30 19 30 31.69 6.359S 131.036E 82km
5.1mb (16 obs.)
TANIMBAR ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 19:30:38.6 1.8
Lat 6.44S 0.15 Lon 130.81E 0.16
Dep 103.710.5 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 3.54 Plg=30 Azm=294
N 0.93 40 176
P -4.47 36 49
Best Double Couple:Mo=4.0*10**16
NP1:Strike= 79 Dip=40 Slip= -5
NP2: 173 87 -130

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

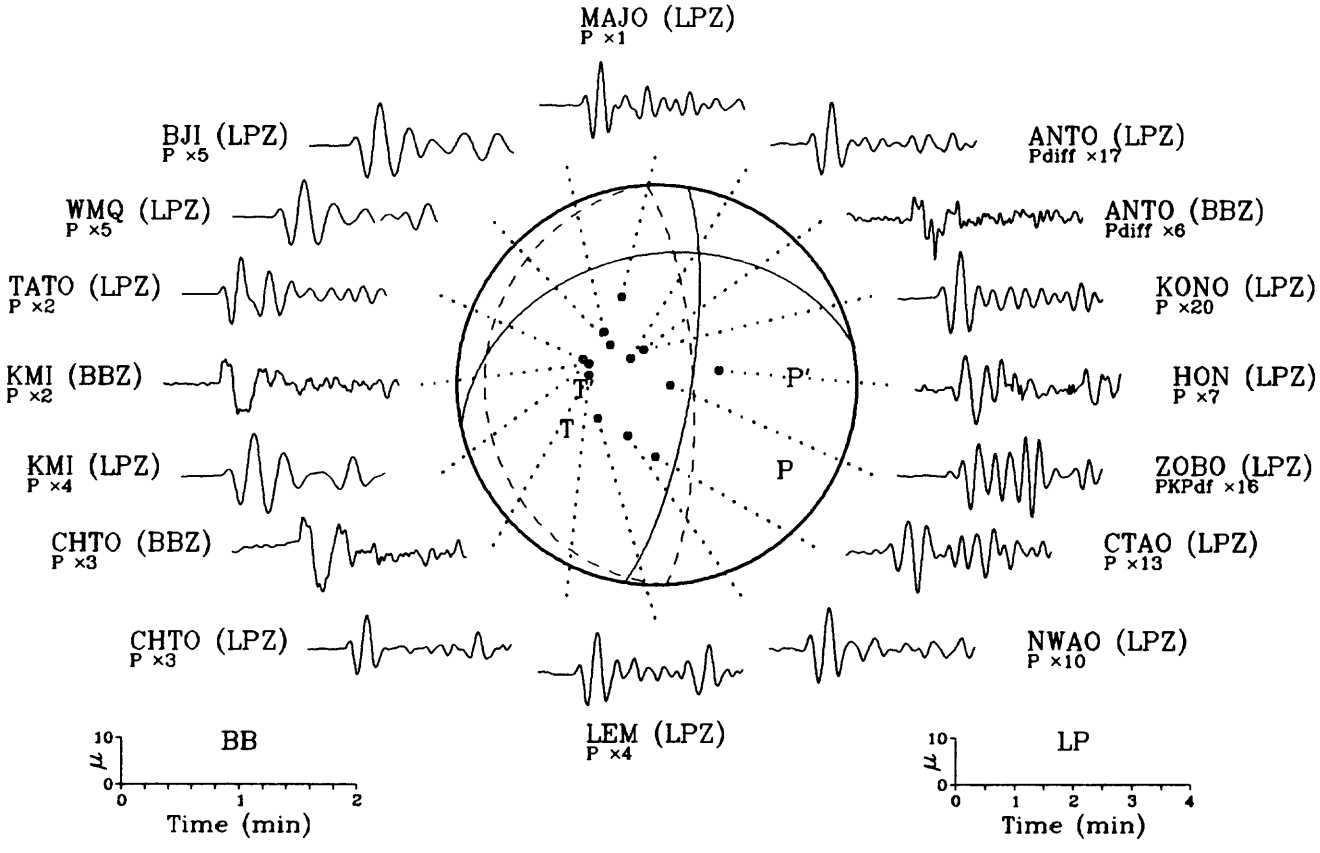
01 April 1987 01:48:08.52
Jujuy Province, Argentina



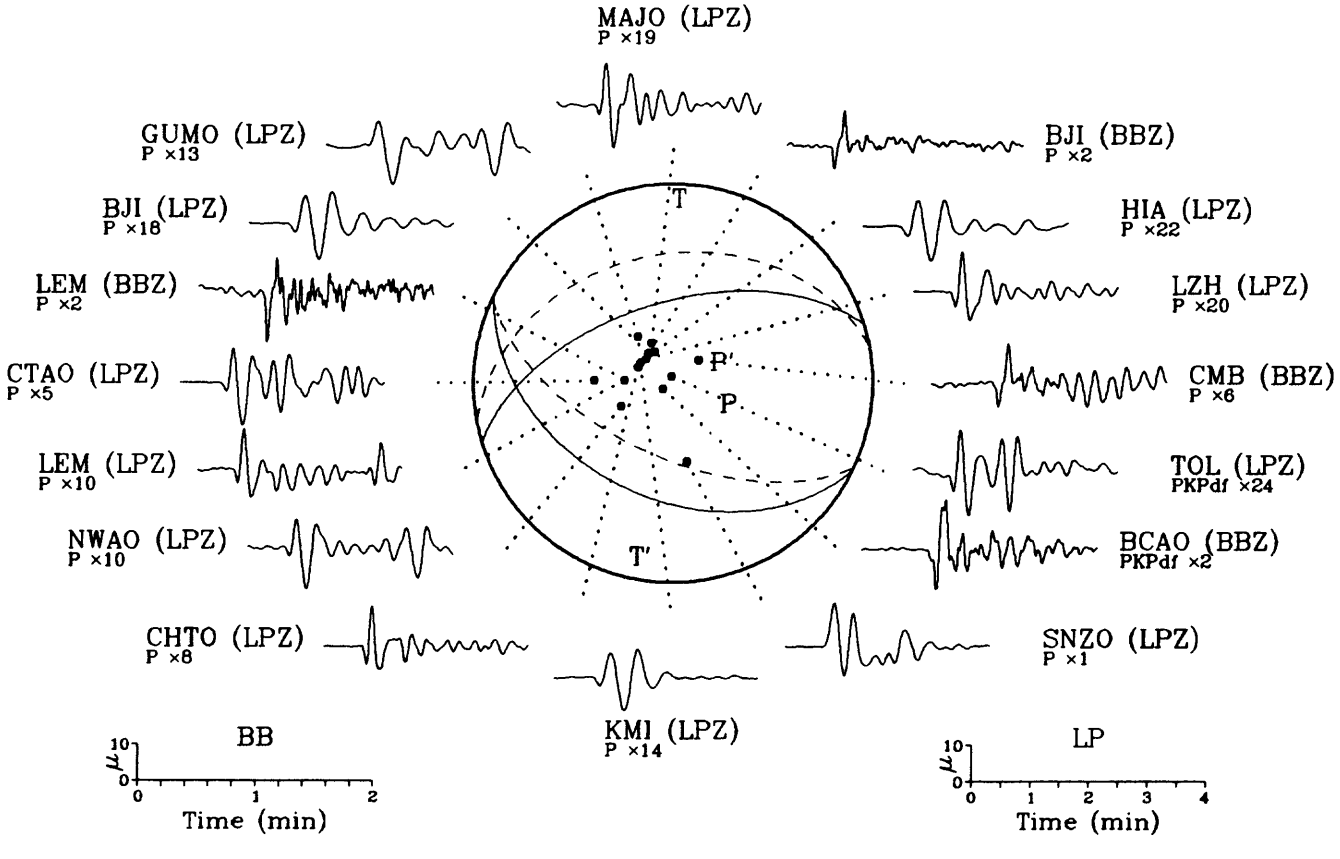
07 April 1987 00:40:43.40
Near East Coast of Honshu, Japan



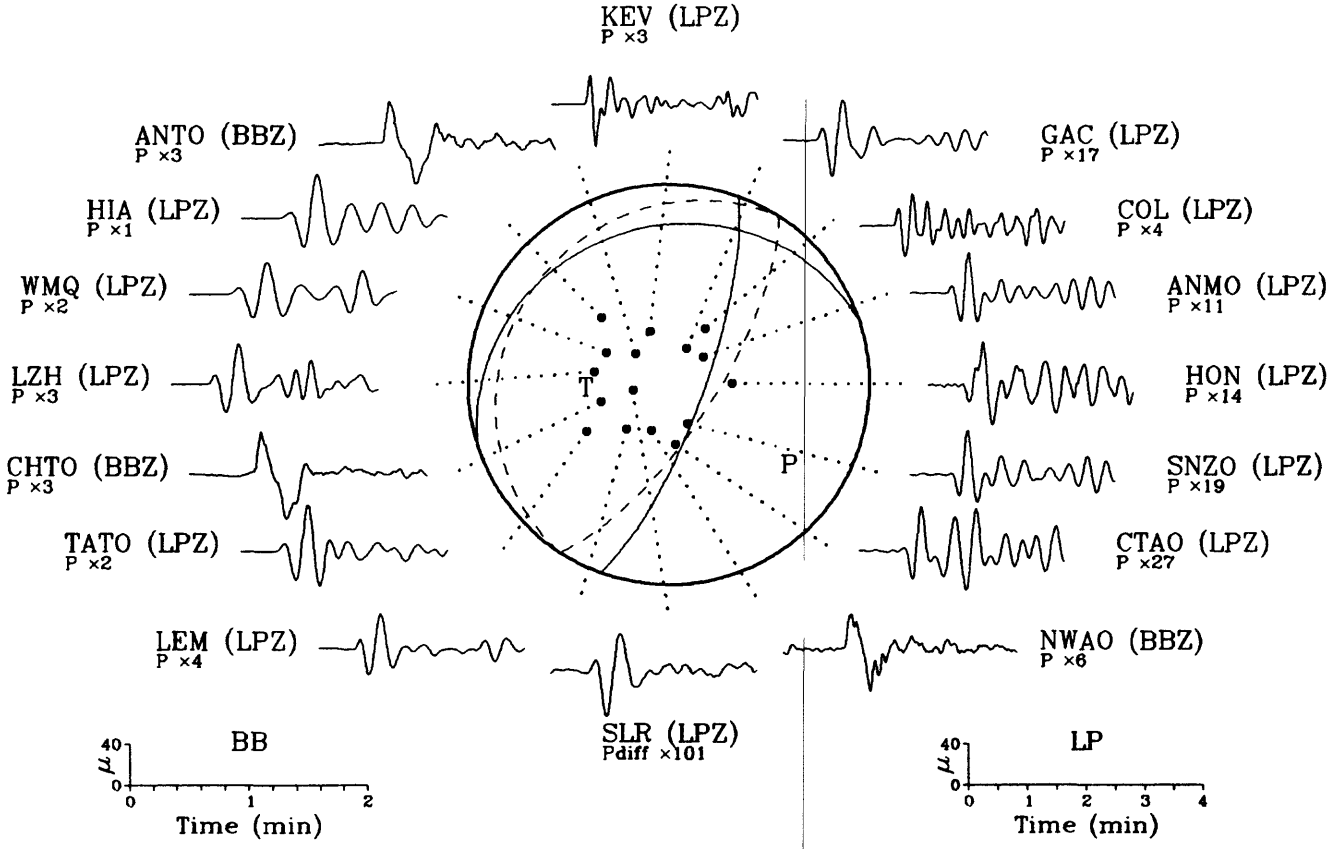
14 April 1987 02:08:13.73
Mariana Islands



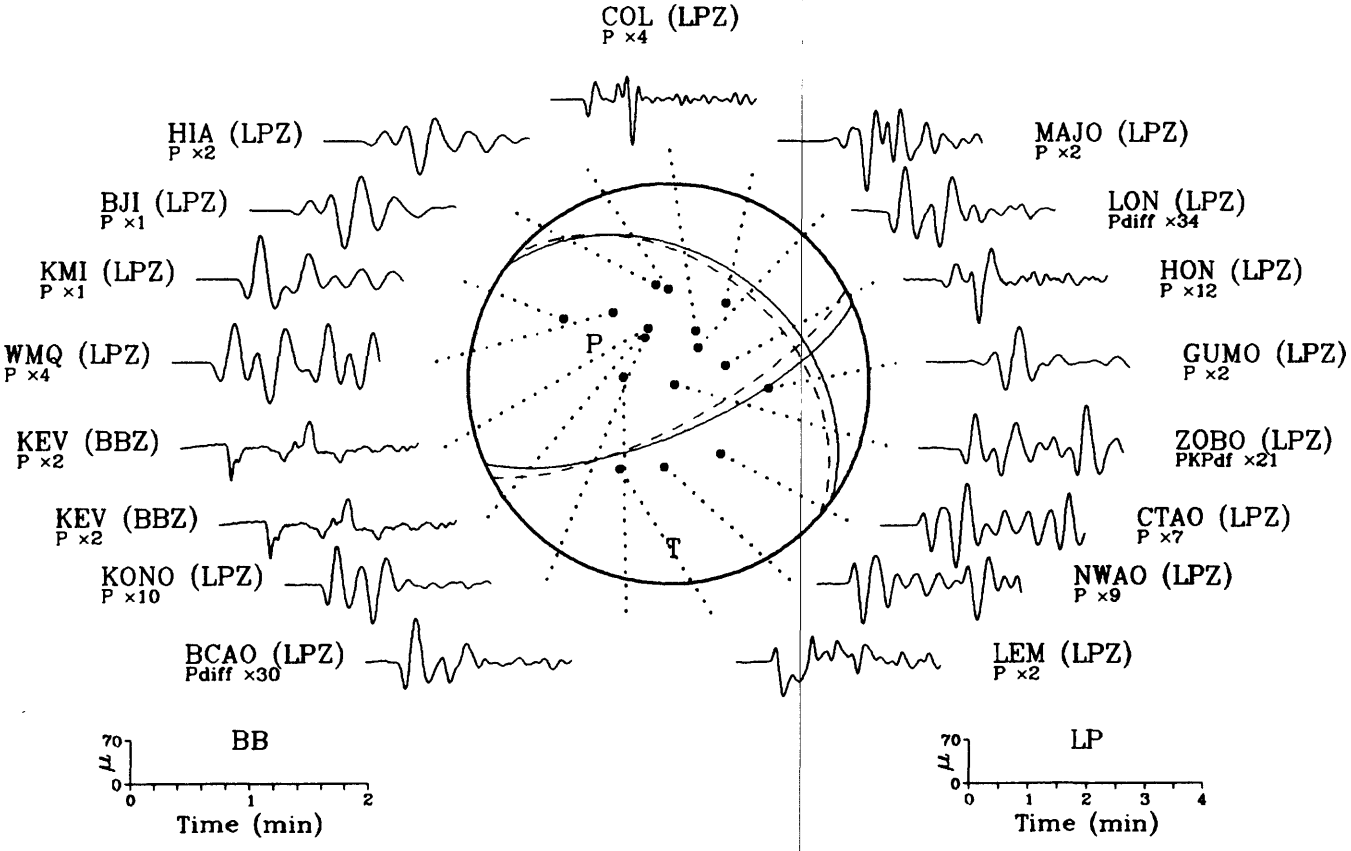
21 April 1987 15:28:39.84
Loyalty Islands Region



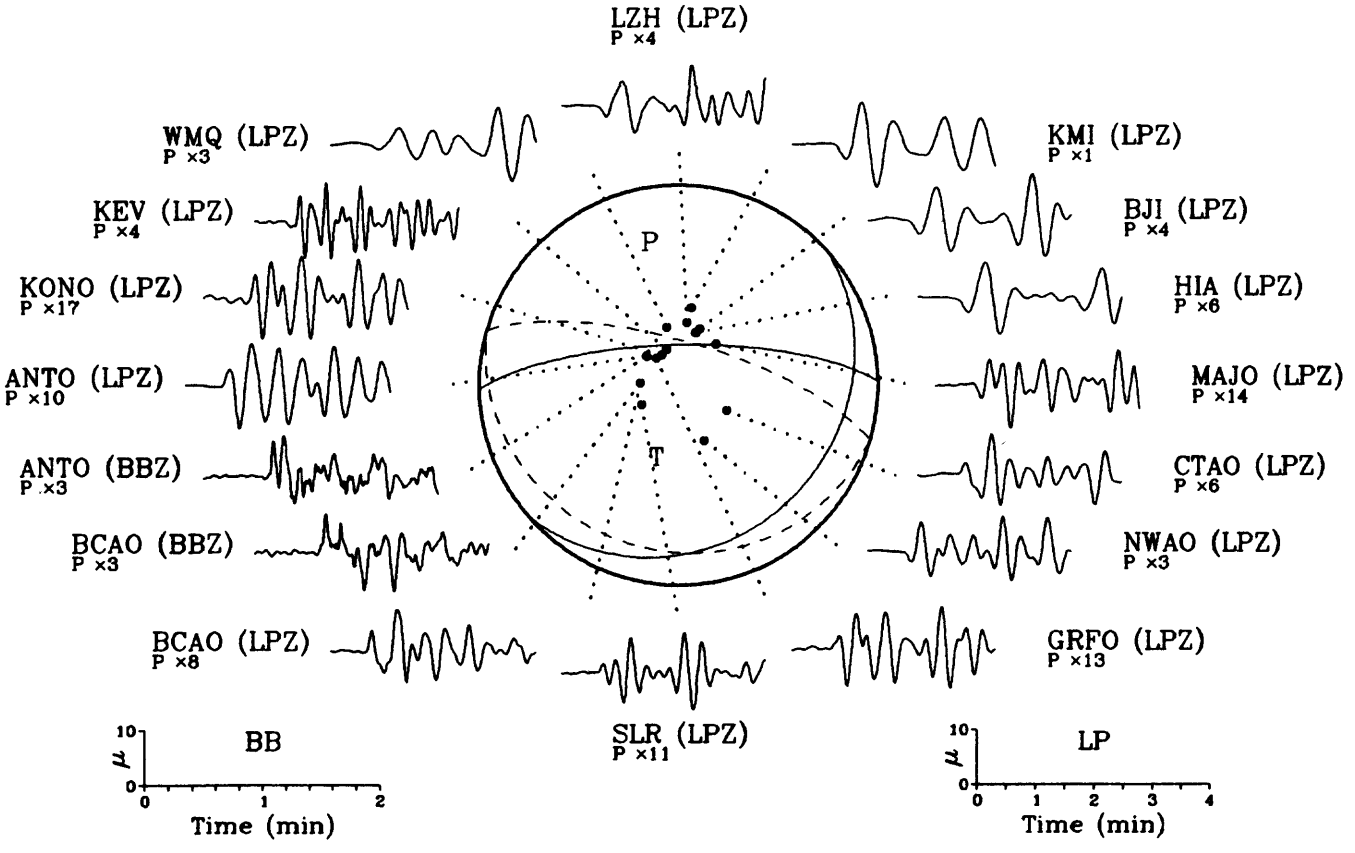
22 April 1987 20:13:23.15
Near East Coast of Honshu, Japan



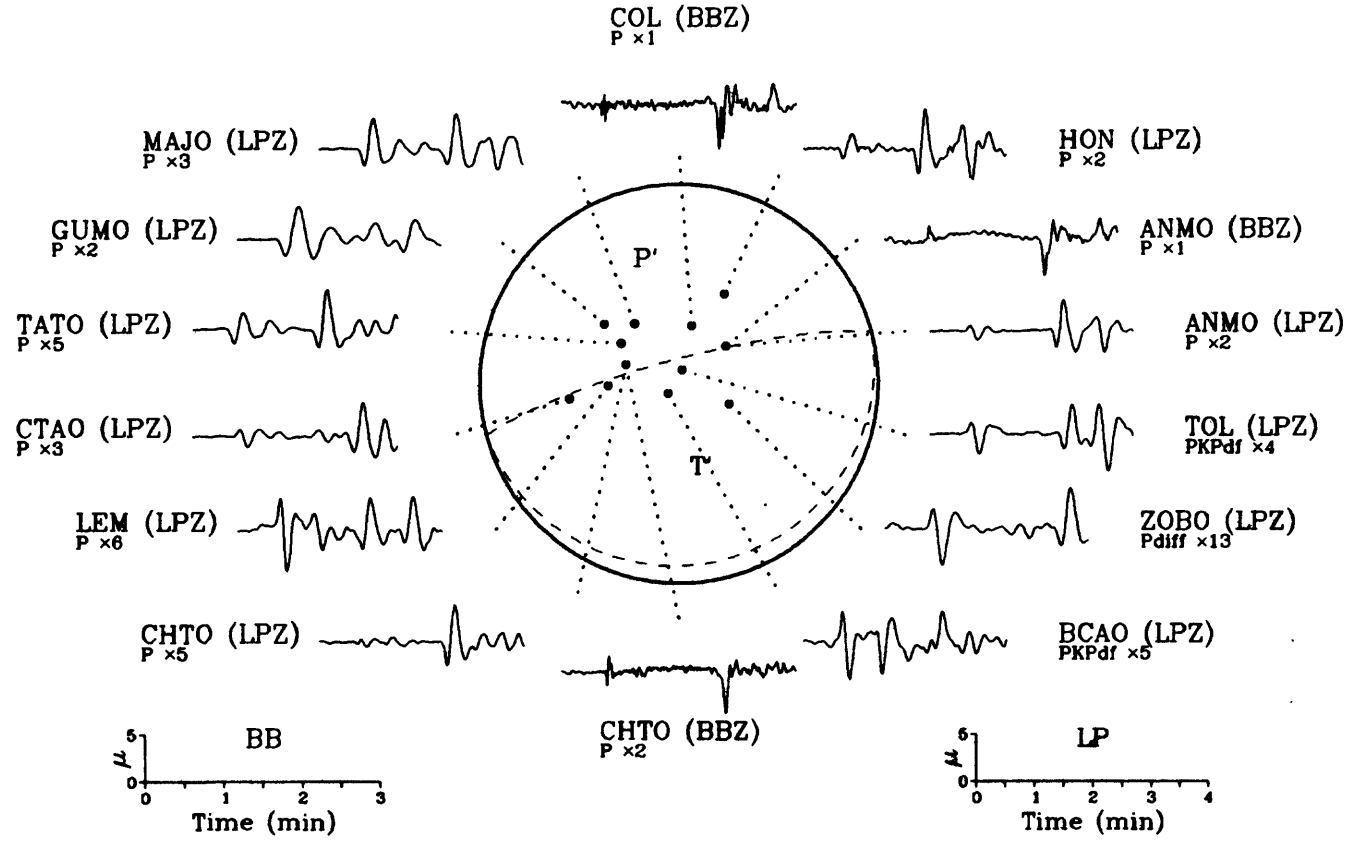
25 April 1987 12:16:52.44
Luzon, Philippine Islands

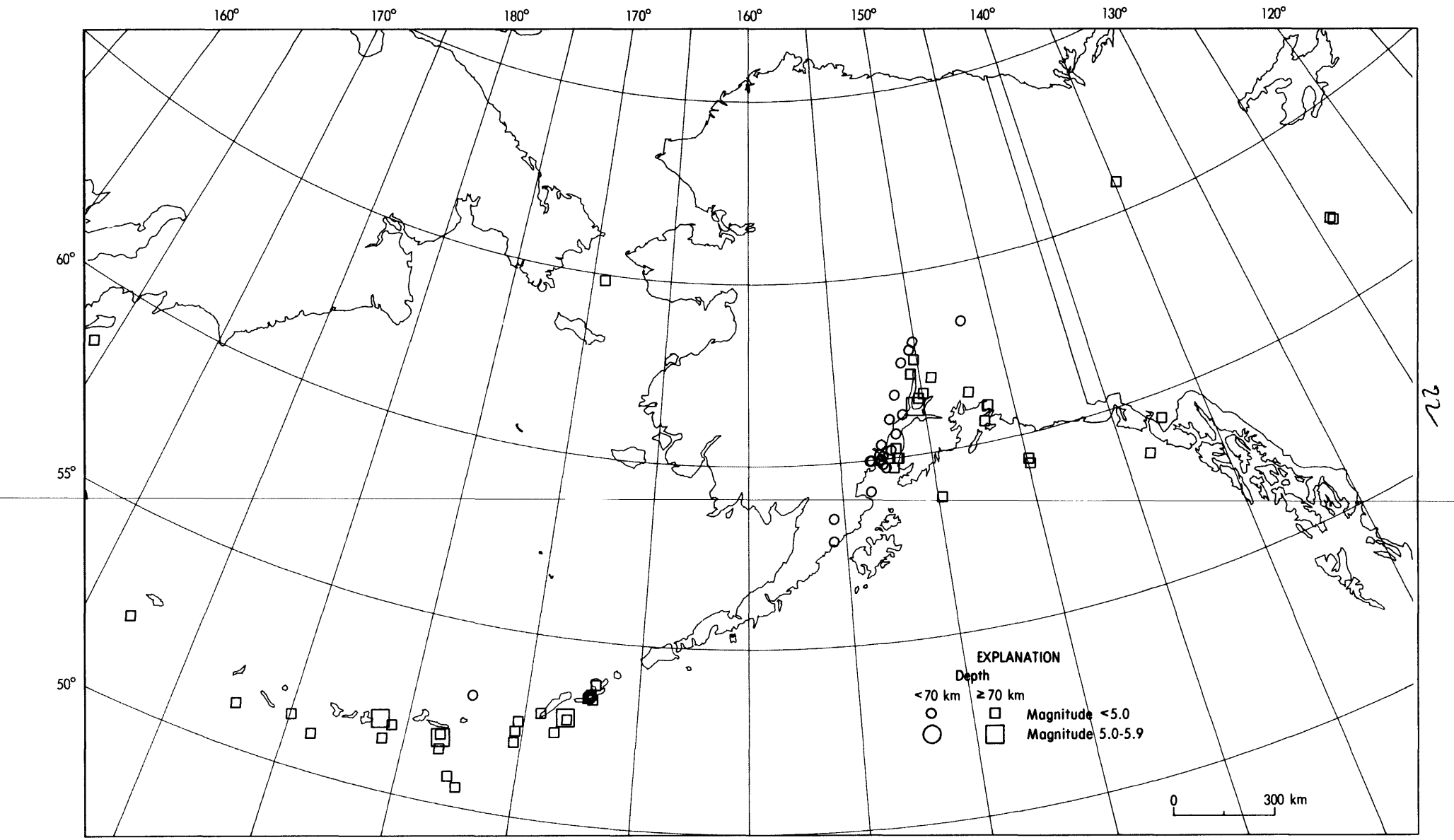


25 April 1987 19:22:07.20
Northern Sumatera

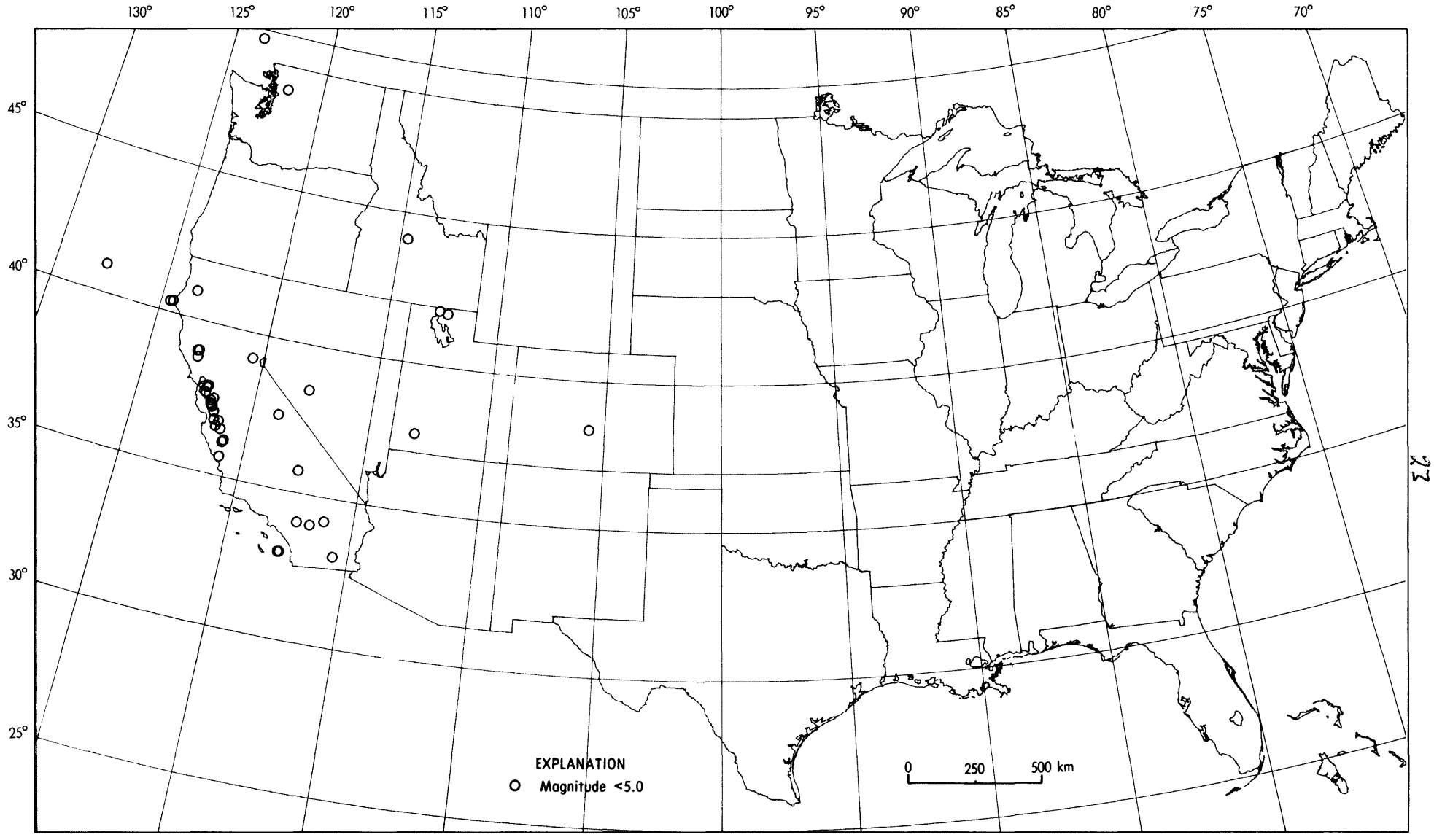


29 April 1987 14:27:35.74
Fiji Islands Region

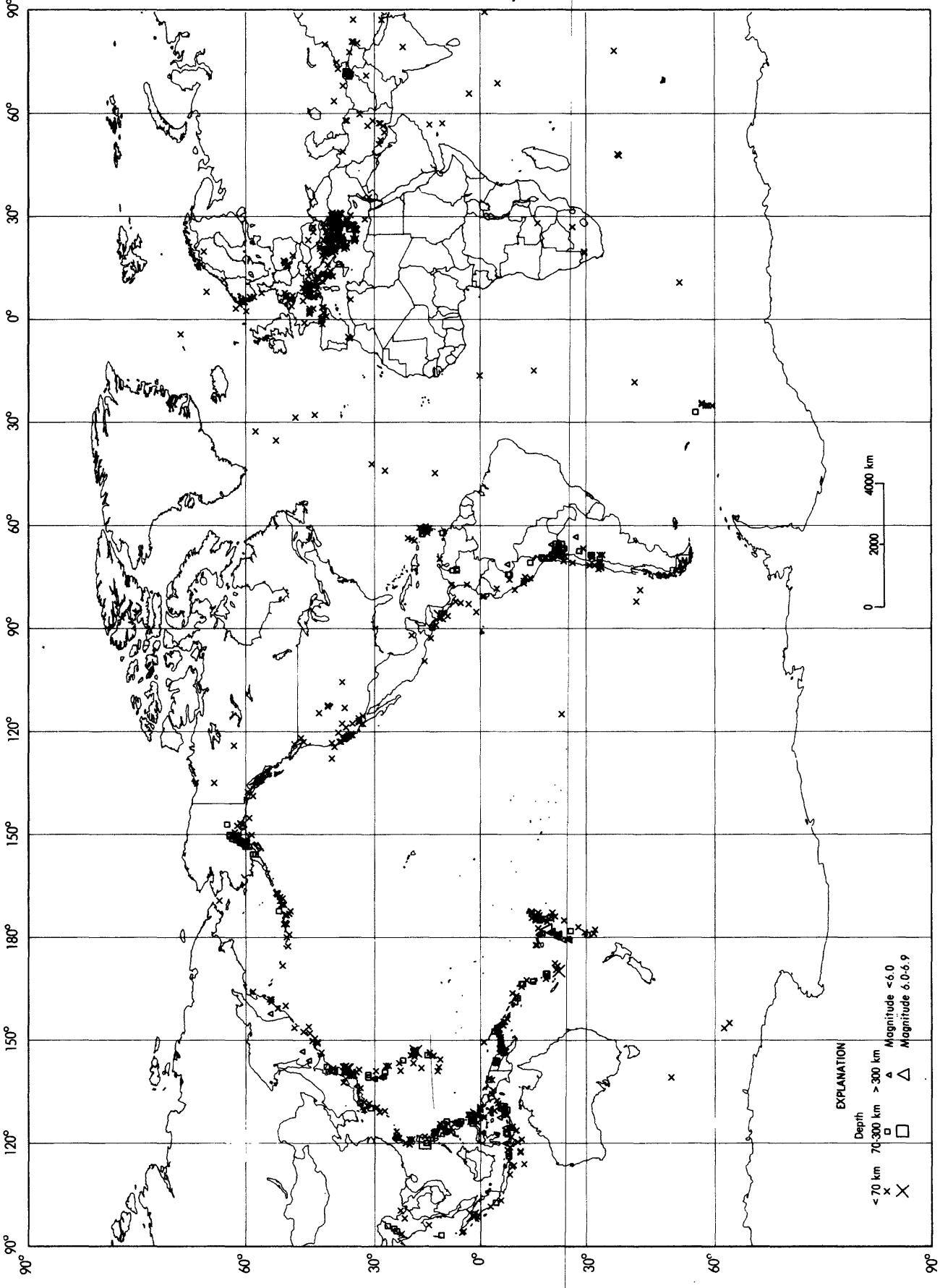




Earthquake epicenters in Alaska and adjacent regions for April, 1987 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for April, 1987 (C. Stover).



Earthquakes located in April, 1987 (C. Stover).

GPO 854-969

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

M A Y 1 9 8 7

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	16	19.5	43.771	N	20.373	E	13				1.1	25	YUGOSLAVIA. ML 2.8 (TTG).
	01	00	46	11.6*	57.868	S	157.803	E	33	N	5.0		1.2	21	MACQUARIE ISLANDS REGION
	01	00	50	54.9*	16.885	N	98.315	W	71	*	4.5		1.0	32	NEAR COAST OF GUERRERO, MEXICO
	01	00	54	09.0*	15.075	N	97.514	W	33	N	4.7	3.5	1.1	32	NEAR COAST OF OAXACA, MEXICO
	01	01	32	24.1?	0.67	S	131.31	E	33	N	3.8		1.5	5	WEST IRIAN REGION
	01	02	29	04.9*	38.633	S	47.848	E	10	G	4.9		0.6	13	ATLANTIC-INDIAN RISE
	01	02	52	18.1?	16.70	N	98.50	W	33	N	3.9		0.9	9	NEAR COAST OF GUERRERO, MEXICO
	01	04	25	27.5&	59.909	N	147.854	W	29					35	GULF OF ALASKA. <AGS-P>.
	01	06	09	49.7	52.540	N	0.863	W	10	G			1.2	18	UNITED KINGDOM. ML 3.4 (LDG), 2.7 (BGS). Felt (IV) at Melton Mobroy. Also felt at Oakham and Stamford.
	01	06	46	37.1	15.343	S	173.422	W	33	N	5.3	4.9	0.9	50	TONGA ISLANDS
	01	06	48	15.6	16.586	N	98.470	W	24	*	4.9	4.1	1.1	55	NEAR COAST OF GUERRERO, MEXICO. Felt at Mexico City.
	01	06	52	14.4	35.444	N	140.645	E	74		4.9		1.2	65	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Tateyama.
	01	08	02	46.6?	4.23	S	139.50	E	33	N	4.1		1.0	7	WEST IRIAN
	01	08	11	32.2%	40.586	N	30.182	E	10	G			0.4	5	TURKEY
	01	11	32	45.8	46.976	N	8.657	E	10	G			0.4	7	SWITZERLAND
	01	13	30	45.1*	23.960	S	179.105	E	602	?	4.7		0.5	25	SOUTH OF FIJI ISLANDS
	01	13	39	57.1*	47.564	N	113.726	W	5	G			0.4	6	MONTANA. ML 2.5 (NEIS), 3.2 (BUT). Felt in the Condon area.
	01	15	05	08.5&	40.400	N	123.700	W	20	G				6	NORTHERN CALIFORNIA. <BRK>. ML 2.5 (BRK).
	01	15	25	57.5?	14.99	S	176.67	W	364	*	4.6		1.3	63	FIJI ISLANDS REGION
	01	15	45	23.0%	16.225	N	61.438	W	10	G			0.9	5	LEEWARD ISLANDS. ML 2.2 (FDF).
	01	19	15	24.8	26.300	S	28.388	E	5	G	4.2	3.0	1.1	13	REPUBLIC OF SOUTH AFRICA
	01	19	58	47.2	28.907	S	72.192	W	10	G	4.6		0.6	12	OFF COAST OF CENTRAL CHILE
	01	20	06	13.8%	42.585	N	19.160	E	10	G			0.5	5	YUGOSLAVIA. ML 2.1 (TTG).
	01	20	30	13.2*	28.962	S	70.482	W	33	N			1.4	13	CENTRAL CHILE
	01	20	31	40.4	2.843	S	141.317	E	50	*	4.3		1.1	17	NEAR N COAST OF PAPUA NEW GUINEA
	01	20	59	25.3&	61.250	N	146.694	W	18					38	SOUTHERN ALASKA. <AGS-P>.
	01	21	15	09.1	36.053	N	27.290	E	37	*	4.6		1.2	19	DODECANESE ISLANDS. ML 4.2 (ATH).
	01	22	22	34.8&	39.813	N	123.170	W	7		3.8			20	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.5 (BRK). Felt (IV) at Covelo and Willits. Felt (III) at Branscomb.
a	01	23	06	17.1	37.108	N	141.832	E	48		5.0	5.0	1.1	149	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Onahama and Fukushima; (I JMA) at Mito, Sendai, Tokyo and Tateyama.
	01	23	08	50.7%	40.130	N	29.317	E	10	G			0.4	7	TURKEY
	02	03	02	35.8	36.047	N	27.262	E	33	N	3.9		1.2	25	DODECANESE ISLANDS. ML 4.3 (ATH).
	02	03	26	28.7%	40.689	N	30.274	E	10	G			0.6	8	TURKEY
	02	04	34	40.9*	18.327	S	168.188	E	208		4.3		0.7	12	VANUATU ISLANDS
	02	05	28	35.2*	5.155	N	122.955	E	602	?	4.3		1.0	11	CELEBES SEA
	02	08	00	56.6%	12.489	S	75.929	W	31	*			0.6	6	PERU
	02	08	07	32.0	26.306	S	27.216	E	5	G			0.9	13	REPUBLIC OF SOUTH AFRICA. MG 3.6 (BUL).
	02	09	05	34.2	41.904	N	24.654	E	11		3.3		1.1	44	GREECE-BULGARIA BORDER REGION
	02	10	50	34.2	48.975	N	114.874	W	5	G			0.8	8	MONTANA. ML 2.9 (NEIS).
	02	12	48	25.9*	31.455	N	141.697	E	33	N	4.4		1.2	13	SOUTH OF HONSHU, JAPAN
	02	13	07	52.6*	9.441	N	127.260	E	33	N			1.5	10	PHILIPPINE ISLANDS REGION
	02	13	58	49.1	7.545	S	128.167	E	178	*	4.7		1.5	21	BANDA SEA
	02	14	02	34.5	43.082	N	27.487	E	15		3.6		1.2	38	BULGARIA
	02	17	09	10.5	38.796	N	21.204	E	33	N	3.7		1.4	29	GREECE
	02	17	47	59.7&	59.178	N	145.276	W	15	G				34	GULF OF ALASKA. <AGS-P>. ML 3.5 (PMR).
	02	18	03	11.1	43.978	N	16.653	E	12				1.0	19	YUGOSLAVIA. MD 3.4 (TRI). ML 2.9 (KBA).
	02	18	16	59.6	6.081	N	125.945	E	145		5.0		1.0	47	MINDANAO, PHILIPPINE ISLANDS
	02	19	21	29.6	54.801	N	160.103	W	33	N	5.1	4.6	1.0	162	ALASKA PENINSULA. ML 5.8 (PMR). Felt (V) at Sand Point; (IV) at Perryville; (III) at False Pass and King Cove.
	02	20	06	01.4*	43.433	N	12.744	E	10	G			1.3	8	CENTRAL ITALY. ML 3.2 (KBA).
	02	20	43	53.0	44.818	N	10.723	E	10	G	4.8		1.3	204	NORTHERN ITALY. ML 5.2 (FUR), 5.0 (LDG), 5.0 (TTG). One person died from a heart attack at Parma. Several people injured and slight damage (VII) in the Reggio

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														nell'Emilia-Modena area. Felt from Lucca and Genoa to Milan, Verona and Padova.
	02	20	59	58.6?	40.33	N	14.35	E	10	G		1.4	6	SOUTHERN ITALY
	02	21	38	33.2	39.569	N	74.541	E	33	N	4.6	1.4	24	SOUTHERN XINJIANG, CHINA
	02	21	38	33.9?	28.53	S	67.31	W	110	?	4.6	1.2	14	LA RIOJA PROVINCE, ARGENTINA
	02	22	12	23.1	60.657	N	5.034	E	10	G		0.5	7	SOUTHERN NORWAY. MD 2.0 (BER).
	02	22	16	47.2	44.788	N	10.696	E	10	G		0.7	12	NORTHERN ITALY. ML 2.8 (LDG), 2.3 (KBA).
	02	22	36	19.8?	24.25	S	66.97	W	127	?	4.2	1.4	11	SALTA PROVINCE, ARGENTINA
	02	23	16	31.2	41.234	N	23.174	E	10	G		0.2	6	GREECE-BULGARIA BORDER REGION
	02	23	49	24.1	30.612	S	121.355	E	10	G		0.7	7	WESTERN AUSTRALIA
	03	00	39	23.3	37.795	N	68.437	E	33	N	4.3	1.3	30	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Kolkhozabad and Dusti, USSR.
	03	01	55	57.2	37.250	N	141.480	E	55		4.6	1.0	32	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Onahama.
	03	06	44	43.9&	60.185	N	153.037	W	126				37	SOUTHERN ALASKA. <AGS-P>.
	03	07	53	29.3	15.352	S	7.065	W	10	G	4.8	1.0	23	SOUTH ATLANTIC OCEAN
	03	08	05	55.3%	36.605	N	31.208	E	10	G		0.5	5	TURKEY
	03	09	34	02.1%	40.898	N	29.655	E	10	G		1.5	6	TURKEY
	03	11	02	43.8*	28.050	S	177.413	W	62	D	4.8	1.2	39	KERMADEC ISLANDS REGION
a	03	11	35	16.5	25.229	S	178.438	E	577		5.4	1.0	125	SOUTH OF FIJI ISLANDS
a	03	12	26	55.3	49.199	S	164.645	E	33	N	5.5 4.6	1.1	36	AUCKLAND ISLANDS REGION
	03	13	10	05.1*	27.289	S	71.405	W	10	G	4.5 4.5	1.2	9	NEAR COAST OF NORTHERN CHILE
	03	16	10	45.2?	26.92	S	72.34	W	33	N		1.3	5	OFF COAST OF NORTHERN CHILE
	03	16	22	22.7%	43.685	N	12.824	E	10	G		1.0	5	CENTRAL ITALY
a	03	16	46	10.5	20.833	S	178.577	W	569	D	5.4	1.0	207	FIJI ISLANDS REGION
	03	16	55	18.4	16.851	N	145.644	E	175		5.0	0.9	89	MARIANA ISLANDS
	03	17	07	17.0	42.169	N	9.895	E	12			0.8	19	CORSICA. ML 3.3 (LDG).
o	03	17	21	23.4	28.437	N	127.621	E	217		5.3	1.0	176	EAST CHINA SEA
	03	18	18	37.2	32.416	S	70.197	W	110		3.5	0.6	16	CHILE-ARGENTINA BORDER REGION. Felt (II) at Santiago, Chile.
	03	21	26	18.8	45.681	N	10.978	E	15			1.3	33	NORTHERN ITALY. ML 3.3 (KBA), 3.1 (LDG). MD 3.0 (TRI). Felt in the Rovereto area.
	03	21	28	24.7*	39.027	N	25.693	E	10	G		1.3	7	AEGEAN SEA. ML 3.4 (ATH).
	03	22	11	57.6?	23.42	S	179.55	W	545	?	4.0	1.2	13	SOUTH OF FIJI ISLANDS
	03	22	48	21.3?	56.70	N	6.07	W	10	G		0.7	8	UNITED KINGDOM. ML 2.5 (BGS).
	03	23	36	57.2?	3.73	S	140.82	E	33	N	4.2	1.2	7	WEST IRIAN
	04	00	04	28.1?	57.72	S	25.63	W	33	N	4.1	1.2	9	SOUTH SANDWICH ISLANDS REGION
	04	01	52	25.0	16.690	N	94.467	W	105		4.6	1.0	68	OAXACA, MEXICO
	04	04	08	01.6*	59.576	S	27.974	W	33	N	4.7	1.4	14	SOUTH SANDWICH ISLANDS REGION
	04	06	24	33.8	2.062	N	126.638	E	64		5.2	1.0	70	MOLUCCA PASSAGE
	04	06	29	35.3	4.545	S	137.363	E	33	N	5.2	1.3	29	WEST IRIAN
	04	08	19	54.4?	18.81	N	145.39	E	224	*	4.2	0.4	7	MARIANA ISLANDS
	04	08	43	14.2&	32.990	N	117.730	W	6				8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	04	09	08	13.8?	5.96	S	133.85	E	33	N	3.8	1.2	6	AROE ISLANDS REGION
	04	09	44	13.8*	39.039	S	174.948	E	265	?	3.3	0.3	7	NORTH ISLAND, NEW ZEALAND
	04	09	47	46.9	37.425	N	72.345	E	191	D	4.5	1.2	34	TAJIK SSR. Felt (III) at Dushanbe and Khorog.
	04	10	22	55.8	28.879	N	131.689	E	38	*	4.8	1.0	50	RYUKYU ISLANDS REGION
	04	10	58	17.7&	61.896	N	152.050	W	123				25	SOUTHERN ALASKA. <AGS-P>.
	04	11	06	32.9*	6.653	S	155.905	E	178		4.7	1.1	23	SOLOMON ISLANDS
	04	11	14	08.7	63.831	N	145.645	W	33	N		0.7	9	CENTRAL ALASKA. ML 3.8 (PMR).
	04	11	58	20.5	43.707	N	20.601	E	10	G		1.3	10	YUGOSLAVIA. ML 3.0 (TTG).
	04	12	47	27.9%	12.570	S	28.069	E	10	G		0.8	5	ZAIRE REPUBLIC
	04	14	38	11.7*	33.192	S	69.680	W	129	*		1.0	13	CHILE-ARGENTINA BORDER REGION
	04	15	24	11.3%	60.731	N	5.533	E	10	G		0.3	5	SOUTHERN NORWAY. MD 1.7 (BER).
	04	16	43	11.0	7.078	N	126.733	E	116	*	4.4	0.6	20	MINDANAO, PHILIPPINE ISLANDS
	04	17	04	15.6	43.815	N	145.904	E	30	b	4.9 4.4	1.3	50	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Kushiro and Nemuro.
a	04	17	37	43.1*	28.281	S	176.392	W	80	?	4.9	1.4	46	KERMADEC ISLANDS REGION
	04	18	44	14.0*	7.153	S	147.964	E	108	*		1.4	7	EAST PAPUA NEW GUINEA REGION
	04	19	06	51.8	21.802	N	121.771	E	36		4.4	1.0	34	TAIWAN REGION
	04	21	10	38.1	44.683	N	9.238	E	22			0.7	11	NORTHERN ITALY. ML 2.8 (LDG).
	04	21	33	07.5?	39.04	N	28.43	E	10	G		1.4	5	TURKEY
	04	23	02	56.2*	6.850	S	130.181	E	121	*	4.4	0.9	13	BANDA SEA
a	04	23	17	21.5	46.953	N	27.410	W	10	G	4.9 5.2	1.0	167	NORTH ATLANTIC RIDGE
a	04	23	48	34.2	37.618	N	31.913	W	10	G	5.1 5.1	1.0	151	AZORES ISLANDS REGION
	05	00	05	41.7	63.174	N	150.876	W	130		4.1	0.9	14	CENTRAL ALASKA
	05	00	10	52.6	47.007	N	27.419	W	10	G	4.7	0.9	64	NORTH ATLANTIC RIDGE
	05	00	12	44.2	39.330	N	27.941	E	10	G		0.7	19	TURKEY
	05	00	31	17.5	28.159	S	176.350	W	33	N	5.0	0.9	36	KERMADEC ISLANDS REGION
	05	01	10	50.8	37.294	N	32.024	W	10	G	4.7	1.0	30	AZORES ISLANDS REGION
	05	02	50	44.7*	8.992	N	126.542	E	33	N		0.6	7	MINDANAO, PHILIPPINE ISLANDS
	05	02	57	08.5	37.344	N	32.006	W	10	G	5.0 4.2	0.9	77	AZORES ISLANDS REGION
	05	03	30	06.5?	41.45	N	23.62	E	10	G		0.4	4	GREECE-BULGARIA BORDER REGION. ML 1.5 (SKO).
	05	03	33	44.8%	40.701	N	29.875	E	10	G		1.0	5	TURKEY
	05	04	04	07.3?	34.52	N	104.40	E	33	N		0.3	4	GANSU PROVINCE, CHINA. ML 3.8 (BJI).
	05	04	52	49.6	36.597	N	70.165	E	183	?	4.8	0.6	20	HINDU KUSH REGION. Felt (III) at Lyangar and (II) at Khorog, USSR.
	05	05	19	43.8	37.231	N	141.324	E	90		4.7	1.0	69	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito; (I JMA) at Fukushima, Sendai and Utsunomiya.
	05	06	14	59.3%	39.252	N	27.873	E	10	G		1.0	5	TURKEY
	05	07	03	37.4?	37.16	N	141.92	E	33	N	4.2	0.9	5	NEAR EAST COAST OF HONSHU, JAPAN
	05	08	22	42.9	41.340	N	26.484	E	16			1.0	26	GREECE-BULGARIA BORDER REGION. Felt in the Evros area, Greece and in the Thrace area, Turkey.
	05	08	24	20.0	41.374	N	26.638	E	10	G		1.3	20	GREECE-BULGARIA BORDER REGION. Felt in the Evros area, Greece.
	05	08	47	59.2	41.352	N	26.548	E	10	G		0.8	6	GREECE-BULGARIA BORDER REGION
	05	09	18	39.4	12.176	N	87.570	W	56		4.7 3.6	1.2	52	NEAR COAST OF NICARAGUA
	05	09	28	34.2?	18.52	N	60.64	W	28	*		0.6	6	LEEWARD ISLANDS. ML 3.5 (FDF).
	05	09	29	09.9*	41.411	N	26.374	E	10	G		0.7	7	GREECE-BULGARIA BORDER REGION
	05	09	37	18.6%	41.362	N	29.203	E	10	G		0.3	6	TURKEY
	05	09	41	32.1%	41.379	N	29.195	E	10	G		0.7	7	TURKEY
	05	10	00	31.4*	57.631	S	157.819	E	33	N	4.7	1.4	15	MACQUARIE ISLANDS REGION
	[illegible]				7.027	S	129.266	E	237	?	4.6	0.5	6	BANDA SEA

	05	10 40 44.6	42.527	N	46.909	E	33	N	4.6		1.1	39	EASTERN CAUCASUS
a	05	10 50 55.3	0.003	S	19.152	W	10	G	5.0	5.7	1.3	130	CENTRAL MID-ATLANTIC RIDGE
	05	13 20 44.3	6.671	S	154.273	E	33	N	4.4		1.0	11	SOLOMON ISLANDS
		13 44 05.8*	21.382	S	67.074	W	262		4.6		0.9	14	CHILE-BOLIVIA BORDER REGION
		14 13 49.8	40.169	N	25.224	E	10	G			1.3	13	AEGEAN SEA
		15 40 47.5	36.480	N	70.673	E	202	G	5.8		1.0	418	HINDU KUSH REGION. Felt (V) at Kabul, Afghanistan and Khorog, Ishkoshim, Kulyab and Dushanbe, USSR. Felt (IV) at Shaartuz, Dzhirgatal, Khait and Garm; (III) at Leninabad, Karshi, Samarkand, Fergana and Andizhan; (II) at Namangon and Tashkent, USSR. Also felt in the Peshawar-Islamabad-Lahore area, Pakistan and in the Srinagar area, Kashmir. Depth from broadband displacement seismagrams.
	05	16 08 08.5%	45.352	N	25.060	E	10	G			1.2	6	ROMANIA
	05	16 57 57.7?	21.90	S	139.10	W	0	G	4.9		1.0	14	TUAMOTU ARCHIPELAGO REGION
	05	17 08 56.3?	16.67	N	61.61	W	99	?			0.3	11	LEEWARD ISLANDS
	05	17 14 29.9%	10.834	N	85.196	W	27				0.6	11	COSTA RICA. MD 4.1 (HDC). Felt at Upala.
	05	17 49 38.8?	2.65	S	128.79	E	33	N	4.4		1.3	10	CERAM SEA
	05	18 10 26.6	2.351	S	128.225	E	36	*	4.6		1.2	48	CERAM SEA
	05	18 21 43.4*	42.764	N	12.951	E	10	G			1.0	11	CENTRAL ITALY. MD 3.6 (TRI). ML 3.4 (KBA).
	05	21 34 16.0	6.192	S	146.979	E	111		4.6		1.2	32	EAST PAPUA NEW GUINEA REGION
	05	21 58 53.4*	45.514	N	26.367	E	142	*			0.7	10	ROMANIA
	05	23 19 37.8*	8.029	S	107.730	E	33	N	4.7		1.1	24	JAVA
	06	02 32 14.0%	40.721	N	29.941	E	10	G			0.7	5	TURKEY
	06	02 44 46.0&	64.730	N	132.960	W	18		4.6			39	SOUTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 4.7 (PGC).
	06	03 11 28.1	6.454	N	95.456	E	245	*	4.3		1.2	19	NICOBAR ISLANDS REGION
	06	03 38 01.1	11.047	S	76.657	W	112	*	4.8		1.1	41	PERU. Felt (III) at Lima.
	06	03 49 20.2	42.618	N	18.939	E	10	G			1.3	9	YUGOSLAVIA. MD 2.5 (TTG).
	06	04 02 05.6	49.830	N	78.125	E	0	G	5.6		0.9	221	EASTERN KAZAKH SSR
f	06	04 06 14.1	51.272	N	179.898	W	20	G	6.3	6.4	1.0	477	ANDREANOF ISLANDS, ALEUTIAN IS. ML 6.1 (PMR), Ms 6.5 (BRK), 6.2 (PAS). Felt (V) on Adak. Depth from broadband displacement seismograms.
	06	04 12 40.2*	50.837	N	179.973	E	33	N	5.3		1.3	29	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (PMR).
	06	04 18 24.6	51.073	N	179.835	W	33	N	5.2		0.9	95	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
	06	04 29 04.0*	10.775	N	62.517	W	33	N			0.9	17	NEAR COAST OF VENEZUELA
	06	05 03 39.5?	50.68	N	179.54	E	33	N	4.5		0.9	11	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.0 (PMR).
	06	05 16 15.8	51.198	N	179.996	W	33	N	4.9		1.1	60	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR).
	06	05 18 23.9*	50.981	N	179.920	W	33	N	5.1		1.1	51	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
	06	05 37 06.7?	51.15	N	179.96	W	33	N	4.4		1.2	14	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.1 (PMR).
	06	06 24 42.4*	50.878	N	179.799	W	33	N	4.8		1.6	28	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
	06	06 27 07.3*	51.054	N	179.924	W	33	N	4.8		1.5	33	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
	06	07 48 07.7*	50.983	N	179.825	W	33	N	4.9		1.3	47	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
	06	08 04 44.6*	51.354	N	179.947	W	33	N	4.8		1.0	30	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.4 (PMR).
	06	09 24 34.1*	6.264	S	147.908	E	33	*	4.6		1.4	18	EAST PAPUA NEW GUINEA REGION. ML 5.0 (PMG).
	06	09 28 15.1	44.828	N	10.690	E	10	G			1.2	45	NORTHERN ITALY. ML 3.8 (LDG), 3.6 (KBA). MD 3.4 (FIR).
	06	10 08 55.8%	46.221	N	8.218	E	10	G			0.8	10	SWITZERLAND
	06	10 11 32.2%	39.682	N	29.435	E	10	G			0.8	6	TURKEY
	06	11 28 53.7*	36.983	N	57.606	E	33	N	4.5		1.4	9	IRAN. Felt at Esfarayen.
	06	12 03 32.3	60.280	N	5.350	E	10	G			0.2	6	SOUTHERN NORWAY. MD 1.7 (BER).
a	06	12 39 49.1	5.715	S	152.656	E	20		5.9	6.2	1.3	259	NEW BRITAIN REGION. Ms 6.3 (BRK), 6.1 (PAS). Felt (IV) at Rabaul. Felt (III) at Arawa and Panguna, Bougainville.
	06	12 54 14.8	17.888	S	178.769	W	657		4.7		0.5	44	FIJI ISLANDS REGION
	06	14 48 04.5*	5.540	S	152.855	E	13		4.6		1.4	14	NEW BRITAIN REGION
	06	16 53 58.5%	33.598	S	71.947	W	10	G			0.4	8	NEAR COAST OF CENTRAL CHILE
	06	16 59 11.4%	33.587	S	71.783	W	10	G			0.3	10	NEAR COAST OF CENTRAL CHILE
	06	18 47 41.5*	11.709	S	116.962	E	33	N	4.2		1.1	7	SOUTH OF SUMBAWA ISLAND
	06	19 17 33.1*	18.192	S	178.318	W	595	*	4.7		1.1	39	FIJI ISLANDS REGION
	06	19 31 03.0	9.345	S	148.482	E	15		5.3	4.5	1.2	65	EAST PAPUA NEW GUINEA REGION. ML 4.6 (PMG).
	06	20 09 37.7*	5.725	S	152.792	E	25		4.4		1.2	9	NEW BRITAIN REGION
	06	23 57 54.1	46.193	N	8.292	E	10	G			1.4	15	SWITZERLAND
	07	00 01 09.7*	2.913	S	141.393	E	33	N	3.7		0.7	6	NEAR N COAST OF PAPUA NEW GUINEA
	07	00 11 34.7*	30.353	S	72.065	W	20	*	4.8		1.3	18	OFF COAST OF CENTRAL CHILE
	07	01 51 58.9*	6.347	S	152.294	E	10	G	5.3		1.5	21	NEW BRITAIN REGION
	07	02 01 24.9*	37.555	N	15.041	E	10	G			0.5	5	SICILY
f	07	03 05 49.1	46.736	N	139.232	E	430	G	6.0		0.9	653	NEAR E. COAST OF EASTERN USSR. mb 6.6 (BRK), 6.5 (PAS). Felt (IV) in parts of the Sikhote-Alin mauntain range. Felt (II JMA) at Aomori, Hachinahe, Marioka and Miyako; (I JMA) at Akita, Takada, Takyo and Yakahama, Honshu. Felt (II JMA) at Kushira and Urakawa; (I JMA) at Wakkanai, Rumai and Asahikawa, Hokkaido. Two events about 4 secands apart. Depth from broadband displacement seismagrams, based an first event.
	07	03 14 54.4&	37.625	N	119.003	W	4					24	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	07	05 19 47.9	5.716	S	152.810	E	20		4.5		1.1	15	NEW BRITAIN REGION
	07	06 45 20.5*	5.973	S	145.562	E	33	N	3.3		1.3	9	EAST PAPUA NEW GUINEA REGION
	07	08 02 34.8*	20.330	S	179.271	W	635		4.4		0.7	31	FIJI ISLANDS REGION
	07	08 56 52.3	36.621	N	26.748	E	152		4.9		1.0	249	DODECANESE ISLANDS. Felt at Iraklian, Crete.
	07	09 02 03.5%	36.560	N	5.367	W	33	N			1.0	7	STRAIT OF GIBRALTAR
	07	09 05 15.9?	32.56	S	71.52	W	23	*			1.3	11	NEAR COAST OF CENTRAL CHILE
	07	09 06 33.2*	32.092	S	72.009	W	13		4.3		0.6	12	OFF COAST OF CENTRAL CHILE
	07	10 26 41.8&	40.345	N	124.478	W	5	G				14	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.9 (BRK).
	07	10 54 22.4*	5.667	S	152.410	E	63	*	4.0		1.6	11	NEW BRITAIN REGION
	07	11 24 24.7?	5.82	S	152.85	E	6	?	3.7		1.5	6	NEW BRITAIN REGION
	07	11 58 09.1*	6.667	S	130.315	E	110	?	4.5		1.2	9	BANDA SEA
	07	12 50 28.7*	32.487	S	71.603	W	10	G			0.9	11	NEAR COAST OF CENTRAL CHILE
	07	13 05 10.2*	51.121	N	15.706	E	10	G			1.2	12	POLAND. ML 4.0 (GRF), 3.8 (VKA), 3.5 (KBA).
	07	13 12 59.1*	9.110	S	112.351	E	33	N	4.6		1.2	8	SOUTH OF JAVA
	07	14 20 25.8	43.961	N	147.809	E	33	N	4.7		0.8	42	KURIL ISLANDS
	07	15 22 55.7*	28.328	N	128.997	E	89		4.1		0.9	15	RYUKYU ISLANDS. Felt (I JMA) at Naze.
	07	15 37 42.1	40.547	N	22.858	E	10	G			0.4	9	GREECE
	07	16 09 57.8*	32.544	S	71.541	W	10	G			1.3	12	NEAR COAST OF CENTRAL CHILE

	07	16	14	01.1*	0.128	N	123.381	E	160	?	4.6		0.9	14	MINAHASSA PENINSULA
	07	17	25	27.9&	38.832	N	122.793	W	4					17	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=2.1*10**14 Nm (BRK).
	07	19	36	06.4	17.096	S	72.135	W	78	*	5.4		1.3	20	NEAR COAST OF PERU. Felt (V) at Mollendo; (IV) at Arequipa and Camana; (III) at Aplao.
	07	20	08	22.9	26.395	S	27.340	E	5	G			0.7	9	REPUBLIC OF SOUTH AFRICA
	07	21	14	05.7	42.727	N	26.597	E	10		3.4		0.9	26	BULGARIA
	07	21	52	40.8*	27.264	N	129.457	E	33	N	4.7		1.2	27	RYUKYU ISLANDS
	07	22	12	18.1	8.832	N	126.358	E	70	*	4.5		0.9	22	MINDANAO, PHILIPPINE ISLANDS
	07	23	09	29.0*	32.219	S	72.060	W	33	N			1.2	12	OFF COAST OF CENTRAL CHILE
	08	00	45	28.2&	61.861	N	150.714	W	53					28	SOUTHERN ALASKA. <AGS-P>.
	08	00	50	13.3%	60.639	N	4.851	E	10	G			0.3	5	SOUTHERN NORWAY. MD 2.0 (BER).
	08	03	09	39.7	5.634	S	146.122	E	58		5.0		1.0	82	EAST PAPUA NEW GUINEA REGION
	08	04	17	47.8&	63.157	N	150.800	W	131					33	CENTRAL ALASKA. <AGS-P>.
	08	04	23	56.5?	40.97	N	26.13	E	10	G			0.8	5	TURKEY
	08	07	39	08.3	5.568	S	152.655	E	42		5.2	4.2	1.0	104	NEW BRITAIN REGION
	08	08	00	05.4*	50.911	N	14.504	E	10	G			1.0	5	CZECHOSLOVAKIA. ML 3.5 (VKA), 3.2 (GRF).
	08	09	17	04.1?	42.74	N	26.68	E	10	G			0.5	6	BULGARIA
	08	11	06	10.9?	15.06	S	75.51	W	10	G			1.1	8	NEAR COAST OF PERU
	08	11	08	13.8?	42.70	N	19.07	E	10	G			1.1	4	YUGOSLAVIA. MD 2.1 (TTG).
	08	11	10	25.8	44.853	N	11.112	E	10	G			1.2	66	NORTHERN ITALY. ML 4.4 (GRF), 4.1 (LDG), 4.1 (KBA). MD 4.0 (TRI). Felt (VI) in the Rivara-Mirandola-Gavino area.
	08	11	26	58.6*	7.052	N	34.936	W	10	G	4.2		1.3	13	CENTRAL MID-ATLANTIC RIDGE
	08	11	28	15.6*	15.143	S	173.868	W	33	N	4.7		0.8	16	TONGA ISLANDS
a	08	12	49	42.2	4.275	S	152.635	E	125	D	5.2		0.9	111	NEW BRITAIN REGION
	08	13	00	09.0	60.723	N	5.557	E	10	G			0.3	6	SOUTHERN NORWAY. MD 1.9 (BER).
	08	13	21	09.9&	60.275	N	144.843	W	35					28	SOUTHERN ALASKA. <AGS-P>. ML 2.9 (PMR).
	08	14	13	23.1?	50.66	S	115.05	E	10	G	4.7	4.2	1.4	10	SOUTH OF AUSTRALIA
	08	14	28	16.5&	38.852	N	122.778	W	2					11	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	08	15	41	15.4*	22.396	S	68.506	W	122	?	4.7		1.4	12	NORTHERN CHILE
	08	16	33	39.8	44.935	N	11.151	E	23				1.0	22	NORTHERN ITALY. ML 3.1 (LDG), 2.9 (KBA). MD 3.1 (TRI).
	08	18	43	43.1*	6.298	S	128.241	E	337	*	4.2		1.1	17	BANDA SEA
	08	19	45	33.0	18.073	N	119.884	E	27	*	4.4		1.1	32	PHILIPPINE ISLANDS REGION
	08	20	35	57.8	9.835	N	126.340	E	53	*	5.0	4.5	1.1	79	MINDANAO, PHILIPPINE ISLANDS. Felt (I RF) at Palo, Leyte.
	08	21	37	32.1	44.942	N	11.052	E	10	G			1.4	21	NORTHERN ITALY. ML 3.0 (LDG), 2.9 (KBA). MD 2.3 (FIR).
	08	23	35	54.0*	51.594	N	16.480	E	10	G			0.6	9	POLAND. ML 3.3 (VKA), 3.2 (KBA).
	09	00	43	34.0&	60.374	N	146.892	W	20					46	SOUTHERN ALASKA. <AGS-P>. ML 4.2 (BRK).
	09	00	46	59.1	44.231	N	12.161	E	10	G			1.3	58	NORTHERN ITALY. ML 3.9 (KBA), 3.8 (GRF), 3.5 (LDG). MD 3.8 (FIR).
	09	00	54	06.6*	37.935	S	73.228	W	33	N	4.6		1.1	19	NEAR COAST OF CENTRAL CHILE
	09	02	41	39.7*	0.848	S	123.233	E	33	N	3.9		1.4	6	MINAHASSA PENINSULA
	09	03	19	39.0*	4.420	S	152.814	E	48	*	4.6		1.2	13	NEW BRITAIN REGION
	09	03	54	32.2	34.156	N	135.431	E	10	G	5.1	4.7	1.3	170	NEAR S. COAST OF SOUTHERN HONSHU. Felt (III JMA) at Wakayama; (II JMA) at Tsu, Osaka and Nara; (I JMA) at Nagoya, Kobe, Kyoto and Maizuru. Also felt (I JMA) at Tokushima, Shikoku.
	09	05	38	06.3*	44.817	N	10.756	E	10	G			1.3	5	NORTHERN ITALY. ML 2.4 (KBA).
	09	06	00	15.2	44.234	N	6.823	E	9				1.0	41	FRANCE. ML 3.4 (LDG).
	09	06	29	49.5*	22.625	S	68.615	W	119	*	4.4		1.4	17	NORTHERN CHILE
	09	06	30	02.1*	44.075	N	12.056	E	10	G			0.8	5	NORTHERN ITALY. ML 2.8 (KBA).
a	09	06	32	34.9	11.343	S	165.745	E	46	D	5.5	5.3	1.0	220	SANTA CRUZ ISLANDS
a	09	08	05	38.2	19.202	N	145.521	E	149	*	5.3		1.1	202	MARIANA ISLANDS
	09	08	07	42.5	40.518	N	32.773	E	18		3.9		1.0	15	TURKEY
	09	09	16	36.8%	39.666	N	29.387	E	10	G			0.8	5	TURKEY
	09	09	18	10.6?	10.48	N	73.34	W	33	N	4.7		1.3	7	NORTHERN COLOMBIA
	09	09	21	37.8%	45.982	N	2.773	E	10	G			0.4	11	FRANCE. ML 2.2 (LDG).
	09	10	17	08.8?	17.26	N	61.83	W	33	N			0.8	7	LEEWARD ISLANDS. ML 3.0 (FDF).
	09	10	26	40.1*	28.706	N	129.326	E	5	G	4.2		1.5	7	RYUKYU ISLANDS. Felt (III JMA) at Naze.
	09	10	56	44.4*	25.403	S	13.952	W	10	G	4.6	4.8	1.5	23	SOUTH ATLANTIC RIDGE
	09	11	34	00.9%	40.535	N	27.205	E	10	G			0.6	6	TURKEY
	09	12	25	15.3?	44.11	N	8.52	E	10	G			1.4	9	NORTHERN ITALY
	09	16	36	12.1	17.143	N	147.108	E	33	N	5.0		1.0	30	MARIANA ISLANDS REGION
	09	16	37	01.8?	42.87	N	18.69	E	33	N			0.3	4	YUGOSLAVIA. ML 2.2 (TTG).
a	09	16	51	23.8	36.201	N	141.810	E	45		5.2	5.0	0.9	195	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito; (I JMA) at Fukushima, Onahama, Tateyama and Utsunomiya.
	09	17	21	42.7	7.595	N	75.126	W	68	*	4.9		1.5	17	NORTHERN COLOMBIA
	09	18	52	27.8?	34.98	N	45.83	E	33	N			0.9	5	IRAN-IRAQ BORDER REGION
	09	18	59	18.5*	32.919	N	46.833	E	33	N			1.2	8	IRAN-IRAQ BORDER REGION
	09	19	10	12.5?	1.45	N	126.54	E	112	?	4.6		0.2	5	MOLUCCA PASSAGE
	09	23	25	21.9*	43.588	S	16.439	W	10	G	4.6	5.0	1.0	8	SOUTH ATLANTIC RIDGE
a	10	00	10	13.0*	45.028	S	16.342	W	10	G	5.2	5.1	1.0	37	SOUTH ATLANTIC RIDGE
	10	00	32	30.7	40.784	N	27.724	E	10	G			0.6	8	TURKEY
	10	00	37	10.0	7.737	S	115.997	E	42	*	5.3	4.6	1.4	109	BALI SEA. Felt (II) at Kahang-Kahang, Bali.
	10	01	32	28.0	4.155	S	151.171	E	192	*	4.2		0.6	6	NEW BRITAIN REGION
	10	01	35	01.4?	34.89	N	139.25	E	20	G			0.7	4	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) an Oshima and at Ajiro.
	10	01	38	41.8	34.837	N	139.210	E	22		3.9		0.6	10	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) on Oshima; (II JMA) at Ajiro and Tateyama; (I JMA) at Mishima and Chichibu.
	10	02	53	11.6*	50.250	N	12.441	E	10	G			0.2	5	GERMANY. ML 2.0 (GRF).
	10	03	23	23.9	36.439	N	71.152	E	250		4.5		0.9	116	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Dushanbe and (II) at Boldzhuan, USSR.
	10	03	36	23.4*	36.976	N	82.299	E	10	G	4.6		1.5	23	SOUTHERN XINJIANG, CHINA
	10	05	06	33.0	34.862	N	139.225	E	21				0.5	11	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) on Oshima; (II JMA) at Ajiro and Tateyama.
	10	05	10	40.0*	28.220	N	86.739	E	33	N	4.6		0.9	7	TIBET
	10	06	05	30.5	44.207	N	6.838	E	10	G			0.6	8	FRANCE. ML 2.7 (LDG).
	10	07	10	46.5%	33.792	S	71.529	W	10	G			0.4	8	NEAR COAST OF CENTRAL CHILE
	10	07	15	53.0*	26.520	S	178.283	E	640	?	5.0		0.7	19	SOUTH OF FIJI ISLANDS
	10	08	52	22.9	34.870	N	139.256	E	27		4.1		1.1	18	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) on

														Oshima and at Ajira; (II JMA) at Tateyama; (I JMA) at Yokohama.
	10	08	57	19.3*	34.877	N	139.245	E	20	G		0.6	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) on Oshima and at Ajira and Tateyama.
	10	08	58	05.1*	34.849	N	139.379	E	23	*	4.1	1.6	10	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) an Oshima and at Ajiro; (II JMA) at Tateyama.
	10	09	17	19.2?	7.75	S	120.36	E	218	?	4.7	1.4	9	FLORES SEA
	10	09	39	06.6	51.394	N	179.820	W	33	N	5.0	0.9	142	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.5 (PMR).
	10	10	45	06.9*	6.685	N	145.326	E	33	N	4.6	1.3	25	CAROLINE ISLANDS REGION
	10	10	50	26.3*	9.982	S	28.980	E	10	G	3.6	1.5	8	ZAIRE REPUBLIC
	10	11	00	35.6	41.402	N	26.543	E	10	G		1.3	10	GREECE-BULGARIA BORDER REGION
	10	12	23	18.6	37.560	N	141.906	E	40	D	5.1 4.6	1.0	144	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Ishinamaki and Onahama.
	10	13	17	41.1&	34.290	N	116.380	W	7				7	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	10	14	58	03.5%	33.822	S	71.170	W	33	N		0.4	9	NEAR COAST OF CENTRAL CHILE
a	10	15	16	22.3	30.911	S	65.503	W	178	D	5.4	1.1	181	CORDOBA PROVINCE, ARGENTINA
	10	16	50	58.4*	16.691	S	177.630	W	435		4.4	0.5	19	FIJI ISLANDS REGION
	10	17	26	05.9	41.990	N	20.120	E	11			1.2	20	ALBANIA. MD 3.3 (TTG).
	10	17	43	50.5	6.818	N	73.054	W	161	D	4.8	1.0	35	NORTHERN COLOMBIA
	10	17	54	47.4*	41.915	N	20.108	E	10	G		0.4	6	ALBANIA. ML 2.6 (TTG).
	10	19	01	38.2*	41.485	N	11.846	E	10	G		0.8	12	TYRRHENIAN SEA
	10	19	47	41.8	37.813	N	83.406	W	5	G		0.6	19	KENTUCKY. mbLg 2.8 (NEIS). Passible blast.
	10	20	19	33.1	44.286	N	79.745	E	33	N	4.5	0.9	19	EASTERN KAZAKH SSR. Felt (IV) at Panfilov.
	10	20	38	42.2?	34.83	N	139.17	E	20	G		1.1	4	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) an Oshima and (I JMA) at Ajira.
	10	20	43	36.3?	34.82	N	139.18	E	20	G		0.8	4	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) an Oshima and (I JMA) at Ajira.
	10	20	47	19.5*	34.870	N	139.242	E	20	G		0.8	5	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) an Oshima and at Ajira.
	10	21	07	51.2?	34.83	N	139.16	E	20	G		0.6	4	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) an Oshima and at Ajiro.
	10	21	10	08.4?	34.89	N	139.29	E	20	G		1.1	4	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) on Oshima and at Ajira.
	10	21	15	54.7	34.866	N	139.263	E	20	G		0.6	9	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) an Oshima and at Ajira; (I JMA) at Tateyama.
	10	21	35	17.6	34.851	N	139.353	E	27		4.6 4.2	1.2	58	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) an Oshima and at Ajira and Tateyama; (II JMA) at Mishima and Takya; (I JMA) at Kumagaya.
	10	21	39	20.1*	24.282	S	70.548	W	58	*	5.0	1.4	16	NEAR COAST OF NORTHERN CHILE
	10	21	40	23.0*	47.454	N	156.327	E	30	D	4.8	0.9	33	KURIL ISLANDS REGION
	10	22	28	21.9&	60.106	N	152.963	W	111				29	SOUTHERN ALASKA. <AGS-P>.
	10	22	38	03.4	34.936	N	139.299	E	10	G		0.2	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) an Oshima and (I JMA) at Ajira.
	11	01	32	29.7	2.089	S	77.414	W	163		4.4	1.0	43	PERU-ECUADOR BORDER REGION
	11	01	36	32.2%	34.903	N	139.219	E	10	G		1.0	5	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshima; (I JMA) at Tateyama and Ajira.
a	11	02	37	43.8	20.500	S	178.362	W	567		5.3	1.1	142	FIJI ISLANDS REGION
	11	03	16	39.9*	35.455	N	31.805	E	33	N		1.2	10	CYPRUS
	11	04	34	50.1?	32.14	S	71.60	W	33	N		0.6	10	NEAR COAST OF CENTRAL CHILE
	11	05	19	10.4	51.707	N	105.477	E	27	D	5.0 4.2	0.9	90	LAKE BAIKAL REGION. Felt (IV) in the Lake Baikal-Irkutsk area.
	11	05	44	15.0	51.751	N	173.018	W	33	N	4.6	0.8	24	ANDREANOF ISLANDS, ALEUTIAN IS.
	11	06	45	47.5&	37.803	N	122.175	W	4				19	CENTRAL CALIFORNIA. <BRK>. ML 4.3 (BRK). Mo=4.8*10**14 Nm (BRK). Felt (V) at Canyan, Oakland and San Pabla. Felt (IV) at Alameda, Berkeley, Cancord, El Sobrante, Lafayette, Maraga, Part Casta, Richmond, Radeo and San Leandro. Also felt at El Cerrito and San Francisca.
	11	06	56	38.0	34.850	N	139.329	E	31		4.6	1.3	37	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) an Oshima and at Ajira and Tateyama; (II JMA) at Tokyo, Mishima and Kofu; (I JMA) at Yokohama and Kumagaya.
a	11	07	47	39.5	14.645	S	167.326	E	163	D	5.1	1.0	146	VANUATU ISLANDS
	11	07	58	18.0?	34.70	N	139.08	E	33	N		0.6	6	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshima and at Ajira and Tateyama; (I JMA) at Mishima.
	11	08	42	58.1&	37.810	N	122.187	W	2				8	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Mo=3.0*10**13 Nm (BRK). Felt at Kensingtan and Piedmont.
f	11	09	59	34.1	4.470	N	127.709	E	94	G	5.9	1.2	310	TALAUD ISLANDS. mb 6.3 (PAS). Depth from braadband displacement seismograms.
	11	10	14	27.5	7.239	S	129.176	E	123	*	4.7	1.3	34	BANDA SEA
	11	10	23	44.1&	32.970	N	117.810	W	6	G			10	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS).
	11	11	30	11.4&	61.467	N	152.377	W	131				25	SOUTHERN ALASKA. <AGS-P>.
	11	14	18	38.1%	41.935	N	25.506	E	10	G		1.0	6	GREECE-BULGARIA BORDER REGION
	11	14	51	28.3*	38.592	N	143.370	E	40	*	4.7	1.2	31	OFF EAST COAST OF HONSHU, JAPAN
	11	15	10	10.1&	34.310	N	116.920	W	4				36	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS). Slight damage (VI) at Big Bear City. Felt (V) at Angelus Oaks and Fawnskin; (IV) at Forest Falls, San Bernardina and Narton Air Force Base. Felt in parts af Riverside, San Bernardina, Los Angeles and San Diega Counties.
	11	15	41	37.1	44.924	N	11.142	E	10	G		1.5	18	NORTHERN ITALY. MD 3.0 (FIR). ML 3.0 (LDG), 2.9 (KBA).
	11	15	47	17.1%	9.758	N	85.745	W	29			0.4	11	OFF COAST OF COSTA RICA. MD 4.1 (HDC). Felt at Bejuco, Buena Vista, Garza and Samara.
	11	16	05	19.9	21.792	N	144.673	E	33	N	4.9	1.1	34	MARIANA ISLANDS REGION
	11	16	55	58.2?	32.41	S	71.62	W	33	N		1.0	10	NEAR COAST OF CENTRAL CHILE
	11	17	35	03.2	43.236	N	25.966	E	10	G	3.4	1.1	41	BULGARIA. Felt (V) in the Razgrad-Velica Turnava-Strazhitsa area.
a	11	18	12	53.5	7.045	S	129.189	E	162	*	5.2	1.1	72	BANDA SEA
	11	18	14	47.1?	10.05	N	83.50	W	33	N		0.3	5	COSTA RICA. MD 4.0 (HDC). Felt in the San Jase area.
	11	19	34	13.9%	43.273	N	1.228	W	10	G		1.2	16	PYRENEES. ML 3.3 (LDG).
	11	19	50	04.5*	59.026	N	5.902	E	10	G		0.4	7	SOUTHERN NORWAY. MD 2.0 (BER).
	11	20	10	00.0	2.901	S	147.808	E	11	*	5.0	1.4	30	ADMIRALTY ISLANDS REGION
a	11	20	51	43.7	38.902	N	141.988	E	53	D	5.6	1.0	359	NEAR EAST COAST OF HONSHU, JAPAN. Ms 5.4 (BRK). Felt (IV JMA) at Ofunata; (III JMA) in the Ishinamaki-Miyako-Sendai area; (II JMA) at Hachinahe and Aomori; (I JMA) in the Onahama-Utsunomiya-Akita

													area. Also felt (I JMA) at Urakawa and Obihira, Hokkaido.
	11	22	46	02.1	43.724	N	20.484	E	22			1.1	32	YUGOSLAVIA. MD 3.3 (TTG). Felt in the Kraljevo-Trstenik area.
	12	00	33	47.4?	50.75	N	20.43	E	10	G		0.5	5	POLAND. ML 2.7 (KRA), 2.3 (KBA).
	12	00	51	43.7?	7.88	S	159.27	E	142	?	3.9	0.3	7	SOLOMON ISLANDS
	12	01	03	51.5	43.586	N	142.472	E	149		4.4	0.7	40	HOKKAIDO, JAPAN REGION
f	12	01	30	25.0	7.090	N	126.701	E	25	G	6.2 6.4	1.1	455	MINDANAO, PHILIPPINE ISLANDS. Ms 6.5 (BRK), 5.9 (PAS). Felt (II RF) at Cagayon de Oro. Also felt at Pala, Leyte. Depth from broadband displacement seismograms.
	12	02	01	12.0?	31.82	S	71.64	W	33	N		0.5	10	NEAR COAST OF CENTRAL CHILE
	12	02	29	14.3&	37.072	N	122.238	W	10				7	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	12	04	03	58.9	49.988	N	156.283	E	47	D	5.3	0.9	194	KURIL ISLANDS
	12	04	12	50.5*	8.303	S	119.590	E	181	*	4.7	1.6	13	FLORES ISLAND REGION
	12	04	17	16.6*	28.065	S	177.291	W	193	?	4.5	0.9	33	KERMADEC ISLANDS REGION
	12	04	21	34.6?	51.71	N	21.01	E	10	G		1.4	5	POLAND. ML 2.7 (KRA).
	12	04	54	54.8*	40.526	N	139.558	E	46	*	4.4	0.2	8	NEAR WEST COAST OF HONSHU, JAPAN. Felt (I JMA) at Akita.
	12	05	09	12.2	15.347	S	179.318	W	443	*	4.6	1.0	52	FIJI ISLANDS REGION
	12	05	18	14.0?	14.27	S	172.55	W	33	N	4.8	1.5	7	SAMOA ISLANDS
	12	05	57	57.5?	6.56	S	130.39	E	33	N	3.9	1.2	5	BANDA SEA
	12	06	40	20.4*	54.741	N	159.839	W	33	N		1.3	11	SOUTH OF ALASKA. ML 4.1 (PMR).
a	12	07	15	13.1	28.165	N	55.559	E	40		5.2 4.9	1.1	215	SOUTHERN IRAN. Felt in the Bandar-e Abbas area.
	12	07	28	28.7	28.267	N	55.528	E	43	*	4.5	0.7	16	SOUTHERN IRAN
	12	07	40	36.6?	1.83	N	99.56	W	10	G	4.5	0.8	14	WEST OF GALAPAGOS ISLANDS
	12	07	54	43.3?	8.67	S	123.85	E	108	?	4.2	1.6	11	FLORES ISLAND REGION
	12	09	23	21.7?	7.67	N	82.58	W	10	G		0.4	9	SOUTH OF PANAMA. MD 4.0 (HDC).
	12	09	34	15.6*	22.744	S	67.265	W	169	*		1.4	13	CHILE-BOLIVIA BORDER REGION
	12	09	39	36.4%	42.201	N	24.991	E	10	G		1.2	6	BULGARIA
	12	10	29	20.4%	34.925	N	139.294	E	10	G		0.2	5	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) an Oshima and at Ajira.
a	12	13	56	26.2	5.271	S	151.342	E	85	G	5.8	1.0	317	NEW BRITAIN REGION. Felt (III) at Rabaul. Depth from broadband displacement seismograms.
a	12	16	12	37.5	21.694	S	68.222	W	78	D	5.5	0.9	161	CHILE-BOLIVIA BORDER REGION
	12	16	13	25.5	3.675	S	141.724	E	33	N	4.7	1.1	16	PAPUA NEW GUINEA
	12	16	40	59.4	15.439	N	60.145	W	57	*	4.5	0.5	20	LEEWARD ISLANDS
	12	16	48	59.9	6.186	S	155.040	E	133		4.7	1.1	21	SOLOMON ISLANDS
	12	18	18	06.2	28.113	N	55.579	E	69	*	4.5	0.9	38	SOUTHERN IRAN
	12	18	21	54.7*	30.373	S	71.636	W	73	*	4.9	1.2	17	NEAR COAST OF CENTRAL CHILE
	12	20	13	42.3	7.216	N	126.800	E	80	*	4.8	1.2	63	MINDANAO, PHILIPPINE ISLANDS
	12	20	51	23.5	38.800	N	142.174	E	56		4.7	1.1	44	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Miyako and Ofunato; (I JMA) at Moriaka.
	12	21	14	13.8&	60.380	N	152.563	W	103				32	SOUTHERN ALASKA. <AGS-P>.
	12	22	22	42.3	48.159	N	154.403	E	39	D	4.8	0.6	43	KURIL ISLANDS
	13	01	45	56.6	42.306	N	19.965	E	10	G		0.6	7	YUGOSLAVIA. ML 2.2 (TTG).
	13	02	20	11.2*	4.286	N	128.126	E	33	N	4.8	0.8	12	NORTH OF HALMAHERA
	13	03	31	45.4	39.099	N	29.072	E	12			1.0	17	TURKEY
	13	05	05	14.4*	51.709	N	6.898	E	10	G		1.3	6	GERMANY
	13	05	15	07.6*	19.460	S	69.708	W	157	*		1.2	12	NORTHERN CHILE
	13	06	41	45.3*	5.774	S	149.543	E	120	*	4.5	0.9	7	NEW BRITAIN REGION
	13	07	15	23.5?	32.52	S	71.81	W	11			0.3	10	NEAR COAST OF CENTRAL CHILE
	13	07	22	36.9?	58.91	N	9.47	E	10	G		1.4	5	SOUTHERN NORWAY. MD 2.4 (BER).
	13	08	11	44.6	41.909	N	20.293	E	10	G		0.8	11	ALBANIA. ML 3.1 (SKO), 3.1 (TTG).
	13	08	48	22.1*	34.756	N	139.212	E	33	N		1.3	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) an Oshima, (II JMA) at Ajiro and (I JMA) at Tateyama.
	13	09	22	42.7%	39.281	N	27.987	E	10	G		0.6	6	TURKEY
	13	09	38	00.7*	42.257	N	18.988	E	10	G		0.4	5	YUGOSLAVIA. ML 2.1 (TTG).
	13	10	00	10.3%	39.689	N	29.493	E	10	G		0.5	8	TURKEY
	13	10	10	42.6&	38.300	N	118.665	W	6				28	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK).
	13	11	27	19.9?	19.59	S	169.25	E	147	*	4.1	1.6	12	VANUATU ISLANDS
	13	12	01	07.8*	36.634	N	71.127	E	158	?	4.2	1.3	17	AFGHANISTAN-USSR BORDER REGION
	13	12	34	19.3*	15.594	N	119.829	E	51	*	4.4 4.6	1.4	20	LUZON, PHILIPPINE ISLANDS
	13	15	53	02.7&	60.649	N	152.170	W	81				29	SOUTHERN ALASKA. <AGS-P>.
	13	15	56	59.5*	3.456	N	122.350	E	612	*	4.5	1.2	16	CELEBES SEA
	13	17	04	36.2	39.387	N	28.012	E	10	G		1.1	14	TURKEY
	13	17	29	05.3*	14.760	N	119.432	E	33	N	4.4	1.2	8	LUZON, PHILIPPINE ISLANDS
	13	18	13	31.3%	39.388	N	28.008	E	10	G		0.7	8	TURKEY
	13	19	34	28.2%	39.470	N	27.854	E	10	G		1.0	6	TURKEY
	13	20	20	29.1&	61.467	N	150.769	W	81				35	SOUTHERN ALASKA. <AGS-P>.
	13	21	27	07.4	6.208	S	147.830	E	48		5.1 4.3	1.1	39	EAST PAPUA NEW GUINEA REGION
	13	21	30	00.7&	31.140	N	116.780	W	6	G			22	BAJA CALIFORNIA. <PAS-P>. ML 3.6 (PAS).
	13	23	07	59.8	11.319	N	61.561	W	10	G		1.0	16	WINDWARD ISLANDS. ML 4.0 (TRN). Felt (II) an Trinidad.
	14	00	05	13.0*	43.225	N	25.958	E	10	G		1.3	5	BULGARIA
	14	00	21	38.2?	5.02	S	148.52	E	33	N	4.3	1.4	7	NEW BRITAIN REGION. ML 3.9 (PMG).
	14	00	24	59.2	34.936	N	140.635	E	56		4.7	0.9	50	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) on Oshima and at Takya and Tateyama.
	14	00	57	33.4&	60.377	N	152.429	W	86				33	SOUTHERN ALASKA. <AGS-P>.
	14	03	26	40.4*	7.038	N	127.207	E	33	N	4.6	0.9	8	PHILIPPINE ISLANDS REGION
	14	03	39	01.9%	39.456	N	28.420	E	10	G		1.4	9	TURKEY
	14	03	54	33.4?	35.66	N	67.90	E	33	N	3.9	0.1	5	HINDU KUSH REGION
	14	05	01	27.3	20.465	S	177.972	W	503	*	4.7	0.8	43	FIJI ISLANDS REGION
	14	05	05	37.2	51.431	N	176.129	W	33	N	4.7 3.9	1.0	26	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) an Adak.
	14	05	22	17.2&	61.248	N	150.432	W	59				39	SOUTHERN ALASKA. <AGS-P>.
	14	06	29	11.1	38.227	N	22.042	E	10		4.7 4.0	1.2	91	GREECE. ML 4.5 (TTG), 3.9 (ATH).
	14	07	45	45.1?	27.31	S	176.01	W	33	N	4.8	1.5	5	KERMADEC ISLANDS REGION
	14	10	11	18.5	27.499	N	56.064	E	47		4.6	0.8	46	SOUTHERN IRAN
	14	10	28	40.5*	44.727	N	6.616	E	10	G		0.5	6	FRANCE. ML 2.8 (LDG).
	14	11	16	55.9*	36.708	N	71.241	E	187	?	4.4	1.2	14	AFGHANISTAN-USSR BORDER REGION
	14	12	04	03.4	4.839	N	122.766	E	615		5.0	0.8	80	CELEBES SEA
	14	12	14	44.3%	34.930	N	139.232	E	10	G		1.1	5	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshima and (I JMA) at Ajira.
	14	12	16	15.9%	34.925	N	139.244	E	10	G		0.7	5	NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) an Oshima and at Ajiro.

	14	14 09 30.5*	40.728	S	44.992	E	10	G	4.7		0.7	14	ATLANTIC-INDIAN RISE
	14	15 31 02.7	22.507	N	121.406	E	44		5.0	3.9	1.3	94	TAIWAN REGION
	14	15 57 27.1	33.730	S	72.198	W	31	D	5.3	5.8	1.2	88	OFF COAST OF CENTRAL CHILE. Felt (IV) in the Valparaiso-Vina del Mar area.
	14	15 59 58.4	33.545	N	106.519	W	0	G			0.3	6	NEW MEXICO. ML 2.9 (NEIS). Explosion at White Sands Missile Range.
	14	16 03 53.8?	33.93	S	72.56	W	21	*			1.5	12	OFF COAST OF CENTRAL CHILE
a	14	16 04 26.4	5.644	S	81.377	W	29	D	5.7	5.7	1.0	247	NEAR COAST OF NORTHERN PERU. Ms 5.3 (PAS).
	14	17 07 54.0?	33.76	S	72.18	W	22	*			1.2	10	OFF COAST OF CENTRAL CHILE
	14	17 09 50.0?	33.76	S	71.75	W	33	N			1.3	11	NEAR COAST OF CENTRAL CHILE
	14	17 47 21.0	44.863	N	11.134	E	25				1.4	45	NORTHERN ITALY. ML 3.7 (KBA), 3.5 (LDG). MD 3.5 (TRI), 3.4 (FIR).
	14	18 04 46.9*	51.291	N	15.540	E	10	G			0.6	7	POLAND. ML 3.3 (VKA).
	14	18 25 38.2%	59.703	N	5.516	E	10	G			0.4	5	SOUTHERN NORWAY. MD 1.6 (BER).
	14	19 04 31.3%	39.476	N	28.225	E	10	G			1.3	6	TURKEY
	14	19 23 15.0*	44.916	N	10.889	E	13				1.1	8	NORTHERN ITALY. ML 2.9 (LDG), 2.5 (KBA).
	14	21 11 35.6	13.639	N	120.597	E	71	D	4.6		1.3	42	MINDORO, PHILIPPINE ISLANDS
	14	22 24 05.0	39.915	N	40.049	E	49		4.7	3.6	1.3	123	TURKEY. Felt in the Trabzon area.
	14	22 33 25.0%	39.345	N	27.864	E	10	G			0.7	7	TURKEY
	14	22 48 44.9&	37.443	N	121.805	W	6					15	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	15	00 21 25.5	44.735	N	10.852	E	10	G			1.4	17	NORTHERN ITALY. ML 3.0 (LDG), 2.9 (KBA).
	15	01 01 27.7%	34.930	N	139.276	E	10	G			0.4	5	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshima and (I JMA) at Tateyama and Ajiro.
	15	01 22 25.1	44.222	N	12.139	E	10	G			1.2	26	NORTHERN ITALY. ML 3.2 (KBA), 3.0 (LDG). MD 2.9 (FIR).
	15	01 45 53.5*	19.616	S	67.050	E	10	G	4.8		0.9	17	MID-INDIAN RISE
	15	02 04 37.3	16.741	S	14.385	W	10	G	5.1	4.4	0.8	30	SOUTH ATLANTIC RIDGE
	15	03 41 29.1	31.692	N	103.507	E	33	N	4.5		1.5	19	SICHUAN PROVINCE, CHINA
	15	04 05 35.9?	14.91	N	94.31	W	33	N	4.3		1.4	22	OFF COAST OF CHIAPAS, MEXICO
	15	05 08 14.9&	32.010	N	114.910	W	6	G				3	W. ARIZ. - MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS).
	15	05 33 45.4?	7.01	S	156.03	E	146	*	4.2		1.3	9	SOLOMON ISLANDS
	15	07 19 11.8*	12.021	N	143.626	E	15		4.7		0.7	20	SOUTH OF MARIANA ISLANDS
	15	07 56 23.3*	1.904	N	127.360	E	33	N	4.6		1.0	9	HALMAHERA
	15	08 29 07.5&	35.455	N	97.749	W	5	G				9	OKLAHOMA. <TUL>. MD 2.1 (TUL).
	15	08 38 51.0&	36.140	N	120.205	W	5	G				12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	15	08 44 04.1	56.376	N	153.127	W	33	N	4.8	4.5	1.0	127	KODIAK ISLAND REGION. ML 4.9 (PMR).
	15	11 57 35.4	40.545	N	25.691	E	10	G			1.2	10	AEGEAN SEA
	15	12 41 49.9?	5.11	S	143.98	E	117	?	2.9		0.5	5	PAPUA NEW GUINEA
a	15	13 49 13.9	50.056	S	115.082	W	10	G	5.5	4.8	1.2	153	EASTER ISLAND CORDILLERA
	15	14 43 03.7?	50.42	N	6.13	E	10	G			0.2	5	GERMANY
	15	17 28 38.6*	42.728	N	18.910	E	10	G			0.3	5	YUGOSLAVIA. ML 2.5 (TTG).
	15	18 39 45.8*	26.100	N	96.941	E	33	N	4.0		1.2	7	BURMA
	15	18 42 27.9?	56.34	N	153.98	W	33	N	4.2		1.7	5	KODIAK ISLAND REGION
	15	18 45 17.8*	50.530	N	14.213	E	10	G			0.9	6	CZECHOSLOVAKIA
	15	19 08 28.6%	39.509	N	28.205	E	10	G			1.1	5	TURKEY
	15	20 15 31.6*	19.700	S	177.780	W	592	*	4.6		1.2	59	FIJI ISLANDS REGION
	15	20 46 19.3*	6.310	S	146.747	E	59	*	3.6		1.4	10	EAST PAPUA NEW GUINEA REGION
	15	21 34 48.6	24.758	S	70.711	W	16	*	5.2	4.0	1.3	50	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasta.
a	15	23 38 13.3	17.967	S	178.551	W	611		4.8		0.9	96	FIJI ISLANDS REGION
	16	00 29 51.8*	14.436	S	75.132	W	33	N			1.4	7	NEAR COAST OF PERU
	16	02 14 16.3*	47.963	N	6.552	E	10	G			0.6	5	FRANCE. ML 1.9 (LDG).
	16	02 32 40.9%	39.444	N	27.817	E	10	G			1.0	6	TURKEY
a	16	03 34 52.1	7.451	S	128.113	E	118		5.4		1.1	135	BANDA SEA
	16	04 10 35.2*	26.399	N	98.452	E	33	N	4.1		1.5	10	BURMA-CHINA BORDER REGION. ML 4.6 (BJI).
	16	04 39 37.4&	59.660	N	152.950	W	101					28	SOUTHERN ALASKA. <AGS-P>.
	16	04 45 44.8*	0.400	S	124.335	E	76	?	4.8		1.3	22	MOLUCCA SEA
	16	06 50 17.3	63.281	N	149.273	W	117	?			0.5	10	CENTRAL ALASKA
	16	07 36 57.7*	6.098	S	145.751	E	33	N	3.7		1.0	8	PAPUA NEW GUINEA
	16	07 39 06.3%	39.428	N	28.184	E	10	G			1.5	6	TURKEY
	16	08 56 54.4*	45.660	N	26.433	E	145	*	3.3		1.5	10	ROMANIA
	16	09 10 53.3	42.681	N	12.024	E	10	G			0.9	12	CENTRAL ITALY. ML 2.8 (KBA).
	16	10 13 11.8*	13.911	N	91.857	W	48	*	4.5		1.4	31	NEAR COAST OF GUATEMALA
a	16	13 06 10.8	6.466	S	105.441	E	71	*	5.1		1.1	93	SUNDA STRAIT
	16	13 11 34.4*	34.917	N	23.381	E	33	N	4.2		1.5	23	CRETE. ML 3.7 (ATH).
a	16	16 08 29.3	51.530	N	175.930	W	33	N	5.1		1.3	75	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.3 (PMR). Felt (III) on Adak.
	16	18 01 03.5&	60.157	N	152.809	W	107					40	SOUTHERN ALASKA. <AGS-P>.
	16	18 19 13.8	43.178	N	20.973	E	10	G			0.8	6	YUGOSLAVIA. ML 2.2 (TTG).
	16	18 21 13.7*	39.339	N	73.812	E	33	N	4.3	4.1	1.3	16	TAJIK-XINJIANG BORDER REGION
	16	18 30 52.5?	27.17	N	56.61	E	33	N	3.9		1.1	8	SOUTHERN IRAN
	16	19 28 15.1	34.870	N	139.219	E	19	*			0.3	7	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) on Oshima, (II JMA) at Tateyama and (I JMA) at Ajiro.
	16	19 47 00.6*	11.050	S	163.747	E	33	N	4.2		1.2	18	SOLOMON ISLANDS
	16	20 54 44.7	45.571	N	26.713	E	33	N			1.4	8	ROMANIA
	16	21 39 19.0*	36.032	N	25.732	E	157		4.0		1.0	18	DODECANESE ISLANDS
	16	22 12 26.0?	39.16	N	27.97	E	10	G			0.7	5	TURKEY
	16	22 19 15.1	40.666	N	27.126	E	10	G			1.2	12	TURKEY
	16	23 12 09.5*	28.458	N	104.790	E	33	N	4.0		1.4	8	SICHUAN PROVINCE, CHINA
	17	00 06 01.1*	40.451	N	25.999	E	10	G			1.2	8	AEGEAN SEA
	17	00 35 51.3	35.814	N	140.634	E	68		4.7		1.0	41	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Tateyama, Mito and Tokyo.
	17	01 23 42.5*	58.413	N	154.267	W	33	N			1.4	6	ALASKA PENINSULA. ML 3.0 (PMR).
	17	02 25 25.4?	12.59	N	45.23	E	10	G	4.0		1.2	10	WESTERN GULF OF ADEN
	17	03 35 00.8?	15.58	S	70.76	W	215	?	4.5		1.1	15	SOUTHERN PERU
	17	04 14 08.8	40.741	N	27.109	E	18	*			1.1	9	TURKEY
a	17	05 12 11.9	13.568	S	167.154	E	177	D	5.6		1.0	314	VANUATU ISLANDS
	17	05 41 04.9&	35.890	N	97.236	W	5	G				7	OKLAHOMA. <TUL>. mbLg 1.7 (TUL).
	17	06 06 21.3?	34.02	S	72.14	W	28	*			0.5	8	NEAR COAST OF CENTRAL CHILE
	17	06 09 53.6?	7.75	N	82.54	W	23	*			0.6	9	SOUTH OF PANAMA. MD 4.0 (HDC).
	17	09 38 33.1*	37.090	S	74.372	W	33	N	4.4	3.7	1.1	16	OFF COAST OF CENTRAL CHILE
	17	09 57 52.7	10.449	S	119.530	E	33	N	4.8		0.9	22	SUMBA ISLAND REGION
	17	10 28 38.2?	21.48	S	169.58	E	33	N	4.3		1.5	10	LOYALTY ISLANDS REGION
	17	11 05 45.6*	32.724	S	71.283	W	57	?			0.3	11	NEAR COAST OF CENTRAL CHILE. Felt (IV) in the

													Valparaiso area.
a	17	11	19	05.4*	21.498	S	169.566	E	33	N	4.6	1.5	46	LOYALTY ISLANDS REGION
a	17	11	48	07.6	18.015	S	178.490	W	611		5.3	0.9	244	FIJI ISLANDS REGION
	17	12	11	09.7	3.023	N	97.119	E	73	*	5.1	1.1	159	NORTHERN SUMATERA
	17	12	59	36.4*	44.679	N	148.435	E	33	N	4.6	0.8	17	KURIL ISLANDS
a	17	13	43	39.0	0.802	N	122.229	E	82		5.2	1.2	127	MINAHASSA PENINSULA
	17	13	49	54.8*	39.177	N	28.081	E	10	G		0.6	9	TURKEY
	17	15	01	19.8&	35.878	N	97.264	W	5	G			5	OKLAHOMA. <TUL>. MD 1.5 (TUL).
	17	15	32	07.3*	61.130	N	4.946	E	10	G		1.5	5	SOUTHERN NORWAY. MD 2.0 (BER).
	17	15	34	12.1%	10.566	N	85.163	W	33	*		1.3	8	COSTA RICA. MD 4.7 (HDC).
	17	16	01	43.8	22.175	S	179.596	W	585		4.7	1.1	52	SOUTH OF FIJI ISLANDS
	17	17	30	44.9*	6.196	S	147.898	E	59	?	3.8	1.4	7	EAST PAPUA NEW GUINEA REGION
	17	19	14	07.3&	60.324	N	151.076	W	46				45	KENAI PENINSULA, ALASKA. <AGS-P>.
	17	19	31	00.3%	46.218	N	7.445	E	10	G		0.4	5	SWITZERLAND
	17	20	04	31.2*	37.970	N	20.990	E	10	G		1.4	5	IONIAN SEA. ML 3.2 (ATH).
	18	00	47	29.2%	40.302	N	27.115	E	10	G		0.9	8	TURKEY
a	18	01	53	51.0	25.271	N	94.202	E	50		5.7 5.9	1.1	412	BURMA-INDIA BORDER REGION. Felt strongly in northeastern India. Also felt in northern Burma and in the Dhaka area, Bangladesh.
	18	02	18	33.5*	32.630	S	69.525	W	24	*		1.2	9	MENDOZA PROVINCE, ARGENTINA
	18	02	35	21.7*	30.437	S	177.646	W	33	N	5.2 5.2	1.3	17	KERMADEC ISLANDS. Felt (III) on Raoul Island.
f	18	03	07	34.1	49.282	N	147.693	E	542	G	6.1	1.0	604	SEA OF OKHOTSK. mb 6.3 (PAS), 6.0 (BRK). Felt (III) on Paramushir, Kuril Islands. Felt (II JMA) at Urakawa and Kushiro and (I JMA) at Nemura, Hokkaida. Felt (II JMA) at Aamori and (I JMA) in the Tokya-Miyako-Hachinohe area, Honshu. Depth from broadband displacement seismograms.
	18	04	35	07.5	47.419	N	15.044	E	10	G		0.3	6	AUSTRIA. ML 3.1 (VKA), 2.8 (KBA).
	18	05	10	52.6*	44.942	N	11.200	E	10	G		1.3	20	NORTHERN ITALY. MD 3.3 (TRI), 3.2 (FIR). ML 3.3 (LDG), 3.3 (KBA).
	18	05	30	54.2	16.237	N	61.447	W	26			0.4	12	LEEWARD ISLANDS. ML 3.4 (FDF). Felt at Pointe-a-Pitre, Guadeloupe.
a	18	07	18	03.2	44.408	N	147.102	E	111	D	5.3	1.0	229	KURIL ISLANDS. Felt on Shikotan. Felt (II JMA) at Nemuro and Kushiro and (I JMA) at Urakawa, Hokkaida. Also felt (I JMA) at Hachinohe, Honshu.
	18	07	23	24.1	2.229	S	100.033	E	33	N	5.3 6.0	1.0	109	SOUTHERN SUMATERA
a	18	07	27	00.2	8.302	N	125.362	E	16	*	5.5 5.9	1.3	82	MINDANAO, PHILIPPINE ISLANDS. One person killed in Bukidnon Province. Felt (III RF) at Cagayan de Oro. Also felt in the Davao area.
	18	13	54	17.5?	11.21	S	162.41	E	33	N	4.1	1.3	10	SOLOMON ISLANDS
	18	13	59	38.0*	5.697	S	147.424	E	180	*	4.3	1.3	11	EAST PAPUA NEW GUINEA REGION
	18	14	28	00.4*	24.275	S	179.987	E	500	?	4.3	0.8	17	SOUTH OF FIJI ISLANDS
	18	16	01	02.6	3.893	N	96.423	E	101		4.2	0.9	35	NORTHERN SUMATERA
	18	16	50	48.1	17.650	S	178.998	W	553	*	5.0	0.9	52	FIJI ISLANDS REGION
	18	17	26	21.7?	8.70	N	58.31	E	10	G	4.9 4.3	0.9	30	CARLSBERG RIDGE
	18	18	26	34.5	29.983	N	129.751	E	151		4.5	1.3	40	RYUKYU ISLANDS
	18	18	27	25.1*	16.283	S	178.254	E	20	*	5.0	1.3	48	FIJI ISLANDS. Felt at Lambaso.
a	18	18	33	19.6	16.217	S	178.302	E	33	N	5.4 5.2	1.3	128	FIJI ISLANDS. Felt at Lambasa.
	18	18	42	16.6	1.224	S	149.883	E	33		4.9	1.0	24	NEW IRELAND REGION
	18	18	51	29.4?	37.31	N	5.10	W	10	G		0.9	6	SPAIN
	18	22	50	35.2*	14.197	S	76.360	W	34	*	4.5	1.4	21	NEAR COAST OF PERU
a	19	00	14	33.1	29.862	N	139.067	E	417		5.5	1.0	381	SOUTH OF HONSHU, JAPAN. Felt (II JMA) on Chichi-shimo.
	19	03	01	16.5*	43.356	N	21.075	E	10	G		1.2	10	YUGOSLAVIA. ML 2.4 (TTG).
	19	03	53	51.0&	36.440	N	117.820	W	6	G			30	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.5 (PAS), 4.3 (BRK). Felt (V) at Lone Pine, Californio and (IV) at Olancha, California.
	19	08	12	05.1	59.677	S	26.234	W	33	N	5.3	1.0	44	SOUTH SANDWICH ISLANDS REGION
	19	11	05	21.0	11.002	S	76.646	W	115	*	4.6	1.0	30	PERU. Felt (III) at Lima.
	19	11	20	38.4%	10.606	N	85.322	W	33	N		0.5	9	COSTA RICA. MD 4.5 (HDC).
	19	12	44	32.5	42.176	N	25.968	E	10	G		1.2	7	BULGARIA
a	19	12	56	25.2	30.284	S	71.484	W	36	D	5.6 6.0	1.4	180	NEAR COAST OF CENTRAL CHILE. Ms 5.4 (PAS). Felt (V) at Vicuna, Andacollo, Salamanca and Cambarbala; (IV) at Ovalle, Illapel and La Serena; (III) at Capiapo, Vallenar and Valparaiso. Felt slightly at Santioga. Also felt (III) at Mendaza, Argentina.
	19	13	09	36.0	34.057	N	117.446	W	5	G		1.2	7	SOUTHERN CALIFORNIA. ML 3.1 (PAS). Felt in the Riverside-San Bernardino area.
	19	15	06	55.3	63.256	N	151.278	W	33	N		1.1	8	CENTRAL ALASKA. ML 3.1 (PMR).
	19	15	16	22.5	63.396	N	151.047	W	33	N		1.1	8	CENTRAL ALASKA. ML 3.4 (PMR).
a	19	16	58	18.7	21.185	S	174.254	W	33	N	5.5 5.2	1.3	172	TONGA ISLANDS
a	19	17	37	46.9	22.091	N	144.249	E	84	*	5.5	1.1	210	VOLCANO ISLANDS REGION
	19	22	17	14.4?	33.12	S	179.35	W	106	?	4.8	1.1	14	SOUTH OF KERMADEC ISLANDS
	19	22	42	23.7	41.763	N	20.006	E	10	G		0.5	7	ALBANIA. ML 2.6 (TTG).
	20	01	01	35.0*	47.756	N	1.356	W	10	G		1.0	15	FRANCE. ML 3.4 (LDG).
	20	01	34	29.6?	10.97	N	85.62	W	33	N		0.4	10	COSTA RICA. MD 4.3 (HDC).
	20	01	45	54.7&	60.242	N	152.917	W	116				21	SOUTHERN ALASKA. <AGS-P>.
	20	02	13	42.7&	60.263	N	152.567	W	106				29	SOUTHERN ALASKA. <AGS-P>.
	20	02	50	14.2*	43.446	N	17.640	E	10	G		1.1	7	YUGOSLAVIA. ML 2.7 (TTG).
	20	03	06	46.5	40.623	N	29.099	E	10	G		1.2	22	TURKEY. Felt in the Istanbul area.
	20	04	03	26.7?	16.51	N	61.49	W	33	N		1.7	5	LEEWARD ISLANDS. ML 2.4 (FDF).
a	20	05	40	19.4	56.563	N	152.775	W	33	N	5.1 4.8	1.0	204	KODIAK ISLAND REGION. ML 5.0 (PMR). Felt (III) at English Bay.
	20	05	59	18.1	56.597	N	152.764	W	33	N	4.8 4.7	1.1	111	KODIAK ISLAND REGION. ML 4.1 (PMR).
	20	06	00	35.9	47.936	N	7.487	E	10	G		1.1	12	SWITZERLAND. ML 2.9 (LDG).
	20	06	02	08.9?	56.32	N	152.84	W	33	N	4.5	1.4	8	KODIAK ISLAND REGION
	20	06	09	22.0	56.577	N	152.733	W	33	N	4.8 4.4	0.9	96	KODIAK ISLAND REGION
	20	07	05	40.0	24.221	N	125.314	E	34	*	4.7	1.2	22	SOUTHWESTERN RYUKYU ISLANDS
	20	07	11	19.7	24.213	N	125.177	E	43	*	4.8	1.1	40	SOUTHWESTERN RYUKYU ISLANDS
	20	08	07	41.0?	51.40	N	169.81	W	33	N	4.4	0.4	7	FOX ISLANDS, ALEUTIAN ISLANDS
	20	08	55	35.0	10.423	S	74.299	W	33	N	4.6	1.3	25	PERU
	20	09	10	02.7*	56.659	N	152.786	W	33	N	4.5	1.3	18	KODIAK ISLAND REGION
	20	09	39	42.8%	60.688	N	5.669	E	10	G		0.7	5	SOUTHERN NORWAY. MD 2.0 (BER).
	20	11	10	21.8%	16.012	N	60.845	W	31			0.4	10	LEEWARD ISLANDS. ML 2.8 (FDF).

	20	12 22 34.9	9.568	N	40.763	W	10	G	4.8 4.4		1.1	32	CENTRAL MID-ATLANTIC RIDGE
	20	12 48 36.0*	7.939	N	125.628	E	33	N	4.3		1.3	20	MINDANAO, PHILIPPINE ISLANDS
a	20	13 54 13.6	61.139	S	52.125	W	10	G	5.5 4.9		1.1	79	SOUTH SHETLAND ISLANDS
	20	14 30 14.8*	4.845	S	129.602	E	213	?	4.6		1.0	17	BANDA SEA
	20	15 37 19.8	42.409	N	20.200	E	10	G			1.1	30	YUGOSLAVIA. MD 3.4 (TTG), ML 3.2 (SKO).
	20	15 58 33.6*	5.252	S	151.595	E	127		4.5		1.1	19	NEW BRITAIN REGION
	20	17 04 58.2	21.893	S	138.964	W	0	G	5.6		0.9	181	TUAMOTU ARCHIPELAGO REGION
	20	17 24 04.2	31.237	S	116.753	E	33	N			1.3	9	WESTERN AUSTRALIA
	20	19 12 36.1*	20.814	S	178.962	W	626	?	4.8		0.8	22	FIJI ISLANDS REGION
	20	22 01 01.9*	24.262	N	125.302	E	55	*	4.3		1.3	14	SOUTHWESTERN RYUKYU ISLANDS
	20	23 00 40.4	35.340	N	38:071	E	33	N	4.8		1.4	25	JORDAN - SYRIA REGION
	20	23 29 57.1*	26.912	N	96.981	E	33	N	4.5		0.9	12	BURMA
a	20	23 40 47.5*	19.365	S	173.829	W	33	N	5.2 4.9		1.4	45	TONGA ISLANDS
	20	23 41 22.7	2.007	S	77.585	W	168		4.9		0.9	94	PERU-ECUADOR BORDER REGION
	21	00 04 24.4*	14.089	S	76.256	W	33	N			1.3	9	NEAR COAST OF PERU
	21	01 37 50.7*	11.414	S	77.958	W	33	N			0.9	10	NEAR COAST OF PERU. Felt (IV) at Huacho and (III) at Lima.
	21	01 58 30.5%	39.559	N	28.872	E	10	G			0.3	5	TURKEY
	21	02 24 16.9?	32.56	S	72.13	W	33	N			0.8	7	OFF COAST OF CENTRAL CHILE
	21	03 30 15.4	10.604	S	119.465	E	41	*	4.6		1.3	18	SUMBA ISLAND REGION
	21	04 55 37.4	32.057	N	141.705	E	33	N	4.6		1.1	20	SOUTH OF HONSHU, JAPAN
	21	05 13 32.1%	39.171	N	28.051	E	10	G			1.4	7	TURKEY
	21	09 20 22.7	7.465	S	128.416	E	33	N	5.0		1.1	68	BANDA SEA
	21	10 58 27.8*	38.765	N	22.753	E	22	*			1.3	12	GREECE. ML 3.3 (ATH).
	21	11 38 31.3*	20.413	S	169.040	E	27	*	4.7 5.0		1.5	17	VANUATU ISLANDS
a	21	12 25 27.0	24.196	N	125.183	E	42		5.0 5.1		1.2	81	SOUTHWESTERN RYUKYU ISLANDS
	21	12 34 22.5*	24.159	N	125.514	E	33	N	4.6		1.2	16	SOUTHWESTERN RYUKYU ISLANDS
	21	12 35 59.0	7.008	S	129.243	E	160	*	4.8		1.3	39	BANDA SEA
	21	13 37 51.7	10.586	S	119.443	E	33	N	4.9		1.5	21	SUMBA ISLAND REGION
	21	13 39 42.5	24.215	N	125.226	E	43	*	4.5		1.2	25	SOUTHWESTERN RYUKYU ISLANDS
	21	13 52 59.3*	24.164	N	125.463	E	44	*	4.2 4.4		1.2	23	SOUTHWESTERN RYUKYU ISLANDS
	21	14 30 20.7*	24.346	N	123.058	E	46	*	4.7		1.2	19	SOUTHWESTERN RYUKYU ISLANDS
	21	15 36 08.8	24.214	N	125.234	E	39	*	4.9 4.6		1.3	40	SOUTHWESTERN RYUKYU ISLANDS
	21	16 36 24.0&	59.921	N	152.311	W	88					36	SOUTHERN ALASKA. <AGS-P>.
	21	17 54 11.1*	28.380	N	131.267	E	33	N	4.1		1.2	9	RYUKYU ISLANDS REGION
	21	20 06 23.7%	46.181	N	7.289	E	10	G			1.0	6	SWITZERLAND
	21	21 18 37.8	5.716	S	153.492	E	21		5.1 4.7		1.0	54	NEW IRELAND REGION
	21	21 25 25.0?	7.41	S	130.02	E	33	N	4.9		0.7	5	TANIMBAR ISLANDS REGION
	21	21 50 36.4&	62.407	N	151.450	W	94					24	CENTRAL ALASKA. <AGS-P>.
	21	22 11 18.9%	40.440	N	27.300	E	10	G			0.4	5	TURKEY
	22	00 16 32.6&	60.445	N	150.747	W	45					35	KENAI PENINSULA, ALASKA. <AGS-P>.
	22	01 12 03.1*	62.311	S	154.685	E	10	G	4.6 4.4		1.4	11	BALLENY ISLANDS REGION
	22	03 58 54.1*	44.861	N	11.372	E	10	G			0.7	5	NORTHERN ITALY. ML 2.7 (KBA).
	22	05 44 33.5&	63.525	N	149.790	W	146					23	CENTRAL ALASKA. <AGS-P>.
	22	06 52 37.2&	61.595	N	151.532	W	99					29	SOUTHERN ALASKA. <AGS-P>.
	22	08 43 15.3	52.241	N	174.071	E	33	N	4.7		0.9	70	NEAR ISLANDS, ALEUTIAN ISLANDS. Felt on Shemya.
	22	09 09 48.1	40.311	N	29.104	E	10	G			0.4	7	TURKEY
	22	10 06 37.6?	4.56	S	144.16	E	133	?			1.1	5	NEAR N COAST OF PAPUA NEW GUINEA
	22	10 47 09.4?	13.88	S	167.00	E	307	?	4.5		1.1	27	VANUATU ISLANDS
	22	12 14 22.6	5.921	S	147.879	E	50	*	4.5 3.7		1.3	14	EAST PAPUA NEW GUINEA REGION
	22	12 48 28.8?	12.73	S	167.37	E	33	N	4.5		1.0	13	SANTA CRUZ ISLANDS
	22	13 50 51.6?	34.30	S	71.56	W	33	N			0.3	7	NEAR COAST OF CENTRAL CHILE
	22	14 25 23.4%	47.751	N	1.569	E	10	G			0.7	13	FRANCE. ML 2.4 (LDG).
	22	14 26 42.6	19.324	N	64.767	W	10	G	4.5		1.0	12	VIRGIN ISLANDS. ML 4.7 (FDF).
	22	15 38 25.0?	20.97	S	174.07	W	33	N	4.7		1.5	6	TONGA ISLANDS
	22	15 50 24.0	42.541	N	2.535	E	10	G			1.2	14	PYRENEES. ML 3.3 (LDG).
	22	16 20 46.0	52.520	N	163.947	W	33	N	4.7		0.8	63	SOUTH OF ALASKA
	22	16 33 39.2*	39.506	N	25.909	E	11				1.1	12	AEGEAN SEA
	22	17 06 01.9&	74.609	N	75.577	W	18					10	BAFFIN BAY. <OTT-P>. ML 4.3 (OTT).
	22	17 06 53.1*	38.119	N	74.569	E	144	*	4.6		1.5	22	TAJIK-XINJIANG BORDER REGION
	22	17 22 36.0*	7.637	S	126.252	E	315	?	4.6		1.2	12	BANDA SEA
	22	18 20 29.4*	33.432	S	77.939	E	10	G	4.7		0.8	15	MID-INDIAN RISE
	22	19 15 49.0&	62.400	N	124.140	W	10					9	NORTHWEST TERRITORIES, CANADA. <PGC-P>. mbLg 3.5 (PGC).
	22	19 16 37.2?	31.97	N	47.26	E	33	N	4.1		0.6	6	IRAN-IRAQ BORDER REGION
	22	20 02 12.7*	3.219	S	143.328	E	10	G	3.6		0.9	5	NEAR N COAST OF PAPUA NEW GUINEA
	22	20 41 57.3*	72.066	N	6.799	W	10	G	4.2		1.4	12	JAN MAYEN ISLAND REGION
	22	22 36 46.9*	16.130	N	105.409	W	33	N	4.1 4.1		1.5	21	OFF COAST OF MICHOACAN, MEXICO
	22	23 28 32.6*	51.252	N	156.207	E	33	N	4.4		1.1	15	KAMCHATKA
	22	23 57 37.9*	37.999	N	71.976	E	33	N	4.2		0.9	6	AFGHANISTAN-USSR BORDER REGION
	23	01 21 03.2	21.309	S	68.999	W	126	D	4.4		1.2	28	CHILE-BOLIVIA BORDER REGION
a	23	03 27 57.1	14.049	N	91.314	W	81		4.9		1.2	77	GUATEMALA. Felt along the Pacific coast of Guatemala and at Guatemala City.
a	23	05 01 07.7	20.151	S	70.688	W	37		5.3 5.0		1.4	86	NEAR COAST OF NORTHERN CHILE
	23	06 10 35.3?	10.66	N	84.70	W	33	N			1.3	6	COSTA RICA. MD 4.1 (HDC).
	23	07 01 04.0	51.307	N	176.074	W	33	N	4.7		0.9	71	ANDREANOF ISLANDS, ALEUTIAN IS.
	23	08 18 00.3*	11.165	S	164.495	E	33	N	4.6		1.2	13	SANTA CRUZ ISLANDS REGION
	23	08 49 36.0?	30.21	N	103.14	E	33	N	4.3		1.2	6	SICHUAN PROVINCE, CHINA
	23	09 13 14.2?	15.04	N	60.34	W	33	N			0.2	5	LEEWARD ISLANDS. ML 2.6 (FDF).
	23	11 26 13.9?	35.47	N	28.41	E	10	G			0.1	5	EASTERN MEDITERRANEAN SEA
	23	13 31 50.3*	34.108	N	46.771	E	33	N	4.4		1.6	8	WESTERN IRAN
	23	13 39 38.9*	45.245	N	26.994	E	10	G			0.3	5	ROMANIA
	23	13 55 54.4&	59.630	N	152.452	W	74					24	SOUTHERN ALASKA. <AGS-P>.
	23	14 43 48.7*	17.627	S	13.279	W	10	G	4.6 4.3		1.5	13	SOUTH ATLANTIC RIDGE
a	23	17 09 04.4	8.047	N	125.410	E	32		5.1 5.2		1.2	99	MINDANAO, PHILIPPINE ISLANDS. One person was killed, two people injured and damage in the Talakag-Malaybalay area. Felt (II RF) at Cagayan de Oro and (I RF) at Butuan and Surigao.
	23	17 25 54.4*	40.662	N	20.766	E	10	G			1.5	6	GREECE-ALBANIA BORDER REGION
	23	18 06 56.4&	59.782	N	153.819	W	144					30	SOUTHERN ALASKA. <AGS-P>.
	23	19 16 50.2*	37.603	N	71.291	E	33	N	4.1		1.4	8	AFGHANISTAN-USSR BORDER REGION
	23	19 49 32.8?	5.01	N	72.25	W	33	N			0.1	4	COLOMBIA
	23	20 15 03.9	51.566	N	16.236	E	10	G			0.8	17	POLAND. ML 3.7 (GRF), 3.7 (KBA), 3.6 (VKA).
	23	21 01 57.3	38.499	N	117.809	W	5	G			0.8	8	NEVADA. ML 3.0 (NEIS).

	23	21 09 55.6	38.793 N	22.653 E	10 G			0.3	7	GREECE. ML 3.2 (ATH).
	23	23 18 00.8*	51.225 N	176.083 W	33 N	4.5		1.2	27	ANDREANOF ISLANDS, ALEUTIAN IS.
	24	01 10 55.6%	16.089 N	62.075 W	33 N			1.0	7	LEEWARD ISLANDS. MG 3.2 (FDF).
	24	02 08 19.5	11.507 N	93.143 E	74 D	4.7		1.2	134	ANDAMAN ISLANDS REGION
	24	06 14 49.5	27.959 S	66.705 W	176 D	4.6		1.3	52	CATAMARCA PROVINCE, ARGENTINA
	24	07 57 41.8	45.447 N	6.479 E	7			0.7	27	FRANCE. ML 3.0 (LDG).
	24	09 18 15.7	11.574 S	118.196 E	33 N	4.6		0.9	13	SOUTH OF SUMBAWA ISLAND
	24	10 23 25.6	45.653 N	10.699 E	21	4.2		1.1	91	NORTHERN ITALY. MD 4.5 (FIR), 4.2 (ROM). ML 4.4 (VKA), 4.3 (LDG). Minor damage in the Lake Gardo area. Felt in the Trento-Brescio area.
	24	10 25 22.2%	40.816 N	27.630 E	10 G			0.9	8	TURKEY
	24	10 37 37.9*	45.641 N	10.734 E	10 G			1.2	5	NORTHERN ITALY
	24	11 09 49.5?	15.67 N	60.46 W	33 N			0.1	5	LEEWARD ISLANDS. ML 2.6 (FDF).
	24	11 33 11.7*	45.651 N	10.739 E	10 G			0.9	7	NORTHERN ITALY
	24	12 19 03.8*	55.239 S	27.756 W	33 N	5.0		0.7	9	SOUTH SANDWICH ISLANDS REGION
	24	13 05 11.5	45.758 N	10.661 E	10 G			1.3	19	NORTHERN ITALY
	24	13 13 56.2	39.424 N	14.955 E	313	4.5		1.0	136	TYRRHENIAN SEA
	24	13 14 08.5	47.041 N	6.018 E	6			0.8	17	FRANCE. ML 2.8 (LDG).
	24	13 24 24.1	47.049 N	6.039 E	10 G			0.7	17	FRANCE. ML 3.0 (LDG).
	24	15 42 04.0*	5.360 S	151.340 E	131 *	4.5		1.0	11	NEW BRITAIN REGION
	24	16 05 23.4	46.574 N	10.145 E	10 G			1.0	23	NORTHERN ITALY
	24	18 14 26.2?	49.93 N	0.24 W	10 G			0.6	7	FRANCE
	24	22 04 14.2?	37.86 N	23.10 E	123 ?			0.6	5	SOUTHERN GREECE
	25	01 49 09.4*	6.481 N	82.631 W	24	4.1		1.0	17	SOUTH OF PANAMA. MD 4.3 (HDC).
	25	02 35 27.5*	61.635 N	5.429 E	10 G			1.0	8	SOUTHERN NORWAY. MD 3.1 (BER).
	25	03 26 39.3*	21.348 S	70.329 W	71 *			0.8	7	NEAR COAST OF NORTHERN CHILE
	25	04 08 31.3*	6.698 S	130.336 E	100 ?	5.0		0.8	12	BANDA SEA
	25	06 57 56.5*	43.860 N	20.403 E	10 G			1.4	10	YUGOSLAVIA. ML 2.6 (TTG).
	25	11 31 54.3	63.850 N	19.728 W	8 G	5.8	5.8	1.0	297	ICELAND. Ms 6.1 (PAS). Slight damage to electric generators. Felt at Reykjavik and in much of southern Iceland. Depth from broadband displacement seismograms.
	25	11 40 42.9	56.431 N	152.721 W	33 N	5.0		0.8	86	KODIAK ISLAND REGION
	25	12 03 46.7*	4.284 N	125.506 E	33 N	4.9	4.7	0.8	13	TALAUD ISLANDS
	25	12 05 00.3	37.762 N	139.449 E	37	4.7		1.0	53	HONSHU, JAPAN. Felt (III JMA) at Niigata and (I JMA) at Onahama.
	25	16 04 42.0*	24.274 N	95.029 E	33 N	3.9		0.9	7	BURMA
	25	16 24 21.2?	26.40 N	128.90 E	33 N	4.6		1.5	7	RYUKYU ISLANDS
	25	16 59 46.4*	43.293 N	26.049 E	10 G			1.2	5	BULGARIA
	25	17 52 56.2*	43.906 N	8.603 E	10 G			1.1	7	CORSICA. ML 2.8 (LDG).
	25	18 29 57.2?	16.93 N	60.86 W	10 G			0.1	6	LEEWARD ISLANDS. ML 3.2 (FDF).
	25	19 24 11.6*	2.015 S	137.013 E	33 N	4.3		0.5	7	WEST IRIAN
	25	20 57 18.6%	42.201 N	6.764 E	10 G			0.9	8	WESTERN MEDITERRANEAN SEA. ML 3.1 (LDG).
	25	21 08 19.6	47.101 N	112.419 W	5 G			0.5	10	MONTANA. ML 3.1 (NEIS), 3.4 (BUT).
	25	22 58 54.8	7.525 N	74.779 W	74 *	4.3		0.7	13	NORTHERN COLOMBIA
	25	23 39 18.3	19.957 S	69.464 W	72 *	5.3		1.2	83	NORTHERN CHILE. Felt (IV) at Arica and Putre. Also felt at Cuya, Iquique and Poza Almante.
a	26	01 37 42.2	5.519 S	133.959 E	33 N	5.3		0.9	101	AROE ISLANDS REGION
	26	01 49 52.2	29.926 N	142.174 E	68 *	4.7		1.3	53	SOUTH OF HONSHU, JAPAN
	26	03 16 25.3*	20.013 S	69.940 W	44 ?			0.4	7	NORTHERN CHILE
	26	03 45 28.8*	14.125 N	92.999 W	33 N	4.0		1.0	15	NEAR COAST OF CHIAPAS, MEXICO
	26	04 05 52.7	64.071 N	148.152 W	117 ?			0.6	8	CENTRAL ALASKA
	26	04 51 31.5	26.512 S	26.647 E	5 G			0.8	7	REPUBLIC OF SOUTH AFRICA
	26	05 10 16.2*	6.986 N	73.189 W	155 *			1.4	10	NORTHERN COLOMBIA
	26	06 38 03.0?	19.97 S	69.81 W	50 ?			1.3	6	NORTHERN CHILE
	26	07 01 12.2&	37.755 N	122.132 W	4				20	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=1.0*10**15 Nm (BRK). Felt (IV) at Castro Valley, Oakland, Orinda, Rheem Valley and San Leandro. Felt (III) at Berkeley, Hayward, Moraga and Pleasanton.
	26	07 09 39.8*	3.579 N	126.827 E	63 ?	4.9		1.2	15	TALAUD ISLANDS
	26	07 36 10.1?	7.99 S	130.12 E	33 N	4.5		0.7	6	TANIMBAR ISLANDS REGION
	26	07 38 53.9	53.851 N	167.019 W	33 N	4.7	4.1	1.2	62	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.3 (PMR). Felt (IV) at Akutan and Unalaska.
	26	07 47 44.8%	16.132 N	61.490 W	33 N			0.7	5	LEEWARD ISLANDS. ML 2.0 (FDF).
	26	07 59 40.4&	37.752 N	122.133 W	3				18	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=2.3*10**14 Nm (BRK). Felt at Berkeley, Hayward and San Leandro.
	26	08 20 07.2&	37.800 N	122.100 W	4				7	CENTRAL CALIFORNIA. <BRK>. ML 2.1 (BRK). Mo=8.2*10**12 Nm (BRK).
	26	09 49 16.2&	37.755 N	122.137 W	4				10	CENTRAL CALIFORNIA. <BRK>. ML 2.0 (BRK). Mo=6.7*10**12 Nm (BRK). Felt at San Leandro.
	26	10 55 32.4	23.941 S	179.985 W	469 *	4.9		1.1	63	SOUTH OF FIJI ISLANDS
a	26	12 07 52.5	38.222 N	142.318 E	37 D	5.3	5.2	1.0	245	NEAR EAST COAST OF HONSHU, JAPAN. Ms 5.1 (BRK). Felt (III JMA) at Ishinomaki and Ofunata; (II JMA) at Miyako, Morioka and Sendai; (I JMA) in the Mito-Hachinahe-Utsunomiya area.
	26	13 44 19.9	42.923 N	78.063 E	20 D	4.6		1.0	34	ALMA-ATA REGION. Felt (IV) at Przhevalsk and Ananyeva; (III) at Cholpan-Ata and Kadzhi-Say.
	26	14 26 55.5%	40.169 N	29.344 E	10 G			0.4	6	TURKEY
	26	14 56 57.2*	51.554 N	175.325 W	33 N	4.3		1.3	18	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.8 (PMR).
	26	16 11 47.1	45.400 N	116.261 W	5 G			0.5	12	WESTERN IDAHO. ML 3.6 (NEIS). Felt (V) at Riggins and (III) at Pollock.
	26	16 19 30.4*	14.340 S	73.669 W	86 ?			1.1	11	PERU. Felt at Ayacucha.
	26	16 32 58.1	43.302 N	0.348 W	10 G			0.9	21	PYRENEES. ML 3.8 (LDG).
	26	19 23 57.1	31.618 N	60.209 E	17 D	4.8	4.0	1.0	124	IRAN
	26	19 50 31.5%	39.331 N	27.789 E	10 G			0.9	5	TURKEY
	26	20 21 05.4&	59.116 N	152.662 W	69				19	SOUTHERN ALASKA. <AGS-P>.
	26	20 29 50.9&	37.755 N	122.128 W	4				7	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK). Mo=1.3*10**13 Nm (BRK). Felt at San Leandro.
	26	22 08 50.7	17.701 S	178.807 W	585	4.7		0.9	59	FIJI ISLANDS REGION
	26	22 26 32.7	1.802 N	126.612 E	33 N	4.7		0.8	19	MOLUCCA PASSAGE
	27	03 24 44.7	38.330 N	20.308 E	10 G			1.3	28	GREECE. ML 3.9 (ATH).
	27	05 39 45.8?	16.16 N	61.45 W	33 N			1.0	5	LEEWARD ISLANDS. ML 2.6 (FDF).
	27	06 37 51.6*	51.070 N	176.079 W	33 N			0.4	5	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.6 (PMR).
	27	06 59 41.6	22.003 S	63.685 W	540	4.1		0.9	50	SALTA PROVINCE, ARGENTINA

	27	07	23	05.0&	60.760	N	152.225	W	95				24	SOUTHERN ALASKA. <AGS-P>.
	27	08	14	41.4%	46.348	N	2.730	E	10	G		0.4	7	FRANCE. ML 2.3 (LDG).
	27	09	34	24.6%	39.371	N	27.830	E	10	G		0.7	7	TURKEY
	27	10	14	24.0&	62.249	N	147.354	W	44				35	CENTRAL ALASKA. <AGS-P>.
	27	11	28	08.2•	45.408	N	25.124	E	10	G		1.6	5	ROMANIA
	27	11	59	07.8	36.706	N	22.933	E	46	?	4.2	1.5	32	SOUTHERN GREECE. ML 3.7 (ATH).
	27	12	05	06.0&	45.582	N	111.705	W	6				10	MONTANA. <BUT>. ML 3.3 (BUT), 3.6 (NEIS). Felt sharply at Norris and 3 miles south of Norris.
	27	13	30	53.9?	6.74	N	82.46	W	10	G		0.3	9	SOUTH OF PANAMA. MD 4.0 (HDC).
	27	14	10	22.6•	58.016	N	156.261	W	142	?		1.4	12	ALASKA PENINSULA
	27	16	07	29.6	6.627	S	147.666	E	44		4.2	1.1	30	EAST PAPUA NEW GUINEA REGION
	27	19	32	24.3•	19.911	N	122.530	E	27	•	4.1	1.3	15	PHILIPPINE ISLANDS REGION
	27	20	35	34.4•	12.074	N	142.687	E	33	N	4.7	0.7	17	SOUTH OF MARIANA ISLANDS
	27	20	42	43.4•	5.876	S	151.333	E	36	•	3.7	1.0	9	NEW BRITAIN REGION
	27	21	03	32.4	35.084	N	135.447	E	10	G	4.9 4.2	1.1	77	SOUTHERN HONSHU, JAPAN. Felt (III JMA) at Kyoto and (II JMA) at Hikone, Maizuru, Nara and Tsuruga.
	27	22	22	18.4?	32.98	S	69.48	W	10	G		0.4	8	MENDOZA PROVINCE, ARGENTINA. Felt (V) at Mendoza.
	28	01	08	50.0%	15.468	N	60.804	W	33	N		0.9	9	LEEWARD ISLANDS. ML 2.5 (FDF).
	28	02	19	10.2•	39.411	N	119.851	W	5	G		1.3	6	NEVADA. MD 2.6 (REN). Felt in the Reno area.
	28	02	19	57.2•	39.443	N	119.868	W	5	G		1.3	6	NEVADA. MD 3.3 (REN). Felt in the Reno area.
	28	04	01	07.2?	0.49	S	146.91	E	33	N	3.8	1.2	5	ADMIRALTY ISLANDS REGION
	28	06	28	40.5•	32.509	N	141.927	E	33	N	4.3	0.2	6	SOUTH OF HONSHU, JAPAN
	28	07	19	04.6•	0.014	S	17.713	W	10	G	4.7 3.7	1.1	19	NORTH OF ASCENSION ISLAND
	28	08	01	23.7•	2.153	N	98.280	E	95	•	3.9	0.6	6	NORTHERN SUMATERA
	28	08	15	06.4•	0.232	N	17.598	W	10	G	4.7	1.2	13	NORTH OF ASCENSION ISLAND
	28	08	23	39.5•	32.849	S	70.385	W	33	N		1.3	6	CHILE-ARGENTINA BORDER REGION
	28	08	37	58.1&	38.792	N	122.775	W	2	G			20	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=1.3•10••14 Nm (BRK).
	28	08	45	04.5•	14.626	S	167.281	E	151	?	4.4	1.2	31	VANUATU ISLANDS
	28	10	06	19.3	44.637	N	7.145	E	10	G		0.4	9	NORTHERN ITALY. ML 2.9 (LDG).
	28	11	33	19.7•	8.583	S	74.322	W	33	N	4.7	1.1	16	PERU-BRAZIL BORDER REGION
	28	11	46	50.6•	29.932	S	177.746	W	33	N	4.8	1.1	11	KERMADEC ISLANDS. Felt (III) on Raoul Island.
	28	12	50	56.7	44.587	N	7.028	E	5			0.7	24	NORTHERN ITALY. ML 3.2 (LDG).
	28	13	19	48.3•	44.636	N	7.104	E	10	G		0.5	6	NORTHERN ITALY. ML 2.7 (LDG).
	28	13	44	41.4	44.639	N	7.111	E	10	G		0.4	7	NORTHERN ITALY. ML 2.8 (LDG).
	28	14	02	25.6	44.586	N	7.004	E	8			0.9	18	NORTHERN ITALY. ML 3.0 (LDG).
	28	14	03	39.6•	44.638	N	7.094	E	10	G		0.5	6	NORTHERN ITALY. ML 2.4 (LDG).
	28	14	04	18.0	44.644	N	7.109	E	10	G		0.4	7	NORTHERN ITALY. ML 2.6 (LDG).
	28	14	08	16.0%	44.636	N	7.035	E	10	G		0.4	5	NORTHERN ITALY. ML 2.3 (LDG).
	28	14	12	21.4&	37.745	N	122.133	W	2				7	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK). Mo=2.0•10••13 Nm (BRK). Felt at Oakland and San Leandro.
	28	14	24	43.9	44.641	N	7.041	E	10	G		0.7	8	NORTHERN ITALY. ML 2.9 (LDG).
	28	14	25	40.4	44.634	N	7.118	E	10	G		0.6	9	NORTHERN ITALY. ML 3.1 (LDG).
	28	14	59	55.6	44.616	N	6.990	E	12			0.4	8	FRANCE. ML 3.2 (LDG).
	28	16	05	57.4	44.626	N	7.040	E	10	G		0.3	6	NORTHERN ITALY. ML 2.4 (LDG).
	28	16	10	27.4•	26.231	N	95.698	E	33	N		0.9	6	BURMA-INDIA BORDER REGION
	28	17	38	42.0	5.508	S	150.718	E	33	N	3.7	0.7	7	NEW BRITAIN REGION
	28	17	38	47.7	11.496	S	117.515	E	33	N	4.1	1.1	9	SOUTH OF SUMBAWA ISLAND
	28	17	56	14.0	44.595	N	6.992	E	9			0.6	23	FRANCE. ML 3.2 (LDG).
	28	18	02	09.5?	36.71	N	44.20	E	33	N		1.5	5	IRAN-IRAQ BORDER REGION
	28	18	07	23.5•	44.638	N	7.111	E	10	G		0.2	6	NORTHERN ITALY. ML 2.6 (LDG).
	28	18	35	32.6?	34.07	S	71.37	W	33	N		0.2	6	NEAR COAST OF CENTRAL CHILE
	28	18	41	23.4	14.271	N	92.994	W	43	?	4.3	1.1	29	NEAR COAST OF CHIAPAS, MEXICO
	28	19	08	22.4•	44.630	N	7.050	E	10	G		0.3	6	NORTHERN ITALY. ML 2.9 (LDG).
	28	19	18	02.7&	34.683	N	97.276	W	5	G			2	OKLAHOMA. <TUL>. MD 1.6 (TUL).
	28	21	05	10.6?	22.58	S	169.55	E	77	?	4.6	1.1	9	LOYALTY ISLANDS REGION
	28	21	22	09.0	44.604	N	7.013	E	10	G		0.5	11	NORTHERN ITALY. ML 3.0 (LDG).
	28	21	27	59.9•	44.617	N	7.049	E	10	G		0.4	5	NORTHERN ITALY. ML 2.2 (LDG).
	28	22	23	30.3•	44.656	N	7.106	E	10	G		0.2	5	NORTHERN ITALY. ML 2.4 (LDG).
	28	23	00	51.5	44.607	N	7.018	E	4		3.8	0.8	46	NORTHERN ITALY. ML 3.4 (LDG).
	28	23	05	53.2	63.209	N	150.908	W	33	N		0.8	6	CENTRAL ALASKA. ML 2.8 (PMR).
	29	00	16	13.7%	44.627	N	7.075	E	10	G		0.3	5	NORTHERN ITALY. ML 2.4 (LDG).
	29	00	20	16.2?	51.57	N	16.09	E	10	G		0.7	10	POLAND. ML 3.3 (VKA), 3.2 (GRF), 2.9 (KBA).
	29	00	35	33.6•	35.093	N	23.183	E	33	N	4.0	1.3	19	CRETE. ML 3.5 (ATH).
	29	00	58	11.2%	44.625	N	7.013	E	10	G		0.4	5	NORTHERN ITALY. ML 2.3 (LDG).
	29	00	58	40.5•	4.249	N	103.636	W	10	G	4.8	0.9	14	EAST CENTRAL PACIFIC OCEAN
	29	01	26	14.2?	50.74	N	20.40	E	10	G		0.9	5	POLAND. ML 2.9 (KRA).
	29	02	01	09.7%	44.619	N	7.059	E	10	G		0.4	5	NORTHERN ITALY. ML 2.4 (LDG).
	29	02	12	24.7•	3.866	S	128.841	E	33	N	4.4 3.3	1.1	7	CERAM
	29	03	26	06.4	5.066	S	102.652	E	45	D	5.1 4.2	1.0	74	SOUTHERN SUMATERA
a	29	06	27	50.7	34.076	N	48.266	E	41		4.9 4.6	1.2	147	WESTERN IRAN. Two people killed, 50 injured and damage in the Nahavand-Hamadan-Tuysarkan area.
	29	07	11	33.0%	15.870	N	60.471	W	33	N		0.8	9	LEEWARD ISLANDS. ML 2.9 (FDF).
	29	07	21	50.2•	47.193	N	9.655	E	10	G		1.4	7	GERMANY
	29	09	04	52.0•	34.208	N	48.072	E	28	•	4.0	1.3	11	WESTERN IRAN. Felt at Hamadan.
	29	09	46	47.8	3.312	N	128.579	E	62	•	4.7	0.9	41	NORTH OF HALMAHERA
	29	11	02	13.2	40.249	N	63.266	E	33	N	4.5	0.8	54	UZBEK SSR. Felt (V) at Gazli.
	29	11	35	53.2	26.906	S	26.634	E	5	G	4.9	1.3	15	REPUBLIC OF SOUTH AFRICA
	29	11	39	13.9?	5.06	S	145.88	E	33	N	4.4 3.6	1.1	7	EAST PAPUA NEW GUINEA REGION
	29	11	51	38.7	53.763	N	167.140	W	33	N	4.6	0.8	28	FOX ISLANDS, ALEUTIAN ISLANDS
	29	14	20	51.1	12.107	N	143.700	E	28	D	4.9	1.1	54	SOUTH OF MARIANA ISLANDS
	29	15	16	28.8&	33.700	N	118.170	W	13				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	29	16	49	04.2•	15.959	N	59.729	E	10	G	4.3	0.6	14	ARABIAN SEA
	29	17	33	08.5	44.615	N	7.002	E	10	G		0.2	6	NORTHERN ITALY. ML 2.9 (LDG).
o	29	17	37	37.3	22.475	N	143.265	E	119	D	5.2	1.0	140	VOLCANO ISLANDS REGION
	29	17	41	23.6?	16.20	N	60.58	W	29	•		0.3	9	LEEWARD ISLANDS. ML 3.6 (FDF).
a	29	18	40	31.3	37.549	N	21.574	E	49		5.2 4.5	1.2	324	SOUTHERN GREECE. Felt throughout Peloponnisos and on Zakinthos.
	29	18	49	57.3&	32.970	N	117.730	W	6	G			6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	29	19	04	57.7•	51.837	N	30.170	W	10	G	4.3	1.0	31	NORTH ATLANTIC RIDGE
	29	19	27	40.1&	40.198	N	121.300	W	23				13	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	29	19	37	51.8	23.917	S	66.628	W	205		5.0	0.9	59	JUJUY PROVINCE, ARGENTINA
	29	20	52	05.6	53.933	N	160.841	E	33	N	4.9 4.2	0.8	89	NEAR EAST COAST OF KAMCHATKA

	29	21	03	22.2?	18.94	S	168.76	E	234	?	4.4		1.0	17	VANUATU ISLANDS
	29	22	21	27.3*	36.976	N	141.322	E	62		4.6		1.1	35	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Onahama and (I JMA) at Utsunomiya.
	29	23	17	52.9%	44.669	N	7.244	E	33	N			0.2	5	NORTHERN ITALY. ML 2.2 (LDG).
	29	23	33	47.9*	3.810	S	86.383	E	10	G	4.6		1.0	18	SOUTH INDIAN OCEAN
	30	00	08	35.9	4.610	N	122.783	E	602	?	4.3		0.5	10	CELEBES SEA
	30	00	54	40.4&	38.852	N	122.780	W	1					9	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=4.2*10**13 Nm (BRK).
	30	02	16	27.7?	47.81	N	1.70	W	10	G			0.1	5	FRANCE. ML 2.0 (LDG).
	30	02	29	00.1?	19.19	N	64.23	W	33	N			0.3	5	VIRGIN ISLANDS. ML 4.2 (FDF).
a	30	02	59	36.5	15.322	S	173.555	W	33	N	5.2	5.6	1.4	118	TONGA ISLANDS. Ms 5.6 (BRK).
	30	03	33	23.5%	16.205	N	60.682	W	33	N			0.7	8	LEEWARD ISLANDS. ML 2.9 (FDF).
	30	06	23	47.8*	44.638	N	7.064	E	10	G			0.4	6	NORTHERN ITALY. ML 2.5 (LDG).
	30	06	59	07.6*	41.518	N	23.488	E	10	G			0.4	8	GREECE-BULGARIA BORDER REGION
	30	08	16	52.6	48.485	N	17.750	E	10	G			1.3	9	CZECHOSLOVAKIA. ML 3.1 (VKA), 3.0 (KBA).
	30	09	46	42.1?	16.66	N	60.87	W	33	N			0.5	5	LEEWARD ISLANDS. ML 3.3 (FDF).
	30	10	50	18.8	45.630	N	6.306	E	10	G			0.6	8	FRANCE. ML 3.0 (LDG).
	30	11	29	18.3&	46.540	N	80.990	W	1	G				6	ONTARIO. <OTT>. mbLg 3.5 (OTT). Blast at Faad-Stabie mine, Sudbury, Ontario.
	30	11	49	32.2*	17.151	N	62.761	W	135	*			0.4	9	LEEWARD ISLANDS
	30	12	24	18.7	43.986	N	16.554	E	10	G			1.0	12	YUGOSLAVIA. ML 3.1 (TTG), 2.9 (KBA). MD 3.1 (TRI).
	30	12	37	12.1*	6.976	N	126.720	E	33	N	4.7		1.5	12	MINDANAO, PHILIPPINE ISLANDS
	30	13	30	08.1?	27.33	N	141.16	E	33	N	4.3		0.4	6	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
	30	14	01	18.3*	39.429	N	28.269	E	10	G			1.2	10	TURKEY
	30	14	11	24.1&	59.983	N	152.948	W	106					28	SOUTHERN ALASKA. <AGS-P>.
	30	14	11	32.4	47.416	N	6.420	E	10	G			0.5	9	FRANCE. ML 2.5 (LDG).
	30	14	44	28.8*	37.698	S	146.437	E	10	G	3.5		1.1	10	NEAR S.E. COAST OF AUSTRALIA. ML 3.9 (BFD), 3.8 (TOO), 3.8 (CNB).
	30	15	21	40.6	22.701	N	94.585	E	106	*	4.5		1.1	26	BURMA
a	30	16	54	04.7	6.064	S	130.518	E	138		5.6		0.9	156	BANDA SEA
a	30	17	19	00.1	44.669	N	150.289	E	53	D	5.3		1.0	183	KURIL ISLANDS REGION
	30	17	55	08.3	17.962	N	67.131	W	5	G	4.6	3.9	1.1	52	MONA PASSAGE. Minor damage in the Cabo Raja-Boqueron area. Also felt at Lajas, Mayaguez and San German.
	30	18	17	19.4	45.231	N	14.692	E	14				1.4	32	YUGOSLAVIA. ML 3.4 (KBA). MD 3.1 (TRI). Felt.
	30	18	18	07.6?	45.20	N	149.65	E	33	N	4.6		1.6	17	KURIL ISLANDS
	30	19	25	16.5*	33.713	N	139.737	E	113	*	4.0		1.5	12	SOUTH OF HONSHU, JAPAN
	30	19	37	30.3	7.034	S	156.014	E	79		4.7		0.6	38	SOLOMON ISLANDS
	30	19	45	18.2	45.954	N	7.933	E	10	G			1.2	12	NORTHERN ITALY. ML 2.8 (LDG).
	30	21	27	24.2?	5.91	S	147.00	E	210	*	4.1		1.2	7	EAST PAPUA NEW GUINEA REGION
	30	22	28	01.6?	33.96	N	48.41	E	33	N			1.1	5	WESTERN IRAN
	30	23	06	40.8&	33.860	N	116.180	W	4					12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	30	23	24	30.6*	22.105	S	179.609	W	494	?	4.8		1.5	29	SOUTH OF FIJI ISLANDS
a	31	01	00	53.1	7.930	S	122.273	E	225	D	5.3		1.0	148	FLORES SEA
	31	02	08	04.7&	61.302	N	150.054	W	53					36	SOUTHERN ALASKA. <AGS-P>.
	31	02	54	26.6	51.653	N	16.283	E	10		4.9		1.1	29	POLAND. ML 4.3 (GRF), 4.1 (KBA), 4.1 (VKA).
	31	03	14	53.1	44.612	N	7.053	E	10	G			0.7	24	NORTHERN ITALY. ML 3.1 (LDG).
	31	03	34	50.2&	37.735	N	122.123	W	3					18	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=2.5*10**14 Nm (BRK). Broken window reported at Montclair. Felt (III) at Hayward and San Leandro. Also felt at Alameda and Castro Valley.
	31	05	16	24.5&	37.745	N	122.137	W	3					7	CENTRAL CALIFORNIA. <BRK>. ML 2.4 (BRK). Mo=3.8*10**13 Nm (BRK). Felt at San Leandro.
	31	08	06	17.3*	29.664	S	60.705	E	10	G	4.6		1.1	10	ATLANTIC-INDIAN RISE
	31	08	45	50.1	24.081	S	66.602	W	203	*	4.4		0.9	20	SALTA PROVINCE, ARGENTINA
	31	09	15	09.9*	35.433	N	23.244	E	33	N	4.3		1.2	8	CRETE. ML 3.6 (ATH).
	31	09	34	15.9*	27.945	N	56.051	E	33	N	4.0		0.9	10	SOUTHERN IRAN. ML 4.4 (BMU).
	31	09	47	24.1*	31.106	S	29.709	E	5	G			1.2	10	REPUBLIC OF SOUTH AFRICA. MG 4.0 (BUL).
	31	09	52	19.6?	33.94	S	72.49	W	33	N			0.4	8	OFF COAST OF CENTRAL CHILE
	31	11	38	49.9	45.767	N	0.286	W	10	G			0.6	11	FRANCE. ML 3.0 (LDG).
	31	11	59	47.0	30.098	S	28.062	E	5	G			1.4	6	REPUBLIC OF SOUTH AFRICA. MG 3.6 (BUL).
	31	12	09	20.7?	41.57	N	19.61	E	10	G			0.6	5	ALBANIA. ML 2.0 (TTG).
	31	16	06	57.1	11.488	S	118.335	E	33	N	5.2		1.1	18	SOUTH OF SUMBAWA ISLAND
	31	16	41	53.7	7.418	S	119.959	E	401		4.5		1.0	23	FLORES SEA
	31	16	41	56.2%	36.516	N	5.919	W	10	G			1.5	5	STRAIT OF GIBRALTAR
	31	17	02	11.0*	42.187	N	25.059	E	10	G			0.9	5	BULGARIA
	31	18	06	29.3*	15.506	N	119.429	E	33	N	4.1		1.3	12	LUZON, PHILIPPINE ISLANDS
a	31	18	32	17.0	0.748	N	121.941	E	79		5.2		1.0	107	MINAHASSA PENINSULA
	31	18	45	33.2	5.795	S	152.732	E	14		5.2	4.4	1.0	105	NEW BRITAIN REGION
	31	21	18	13.0*	1.781	N	126.842	E	102	*	4.7		0.9	16	MOLUCCA PASSAGE
	31	21	29	36.8?	15.26	N	61.01	W	132	?			0.4	10	LEEWARD ISLANDS
	31	22	35	19.3	47.398	N	145.741	E	312	?	4.5		0.8	69	SEA OF OKHOTSK
	31	23	20	34.1%	36.207	N	5.589	W	10	G			1.1	6	STRAIT OF GIBRALTAR
	31	23	38	40.0	36.236	N	102.788	E	33	N	4.4		1.2	21	QINGHAI PROVINCE, CHINA. Minor damage at Hualong and Minhe. Felt at Gushan.
	31	23	50	34.6&	61.147	N	152.276	W	110					23	SOUTHERN ALASKA. <AGS-P>.

ADDITIONAL SOURCE PARAMETERS

01 23 06 17.18 37.108N 141.832E 48km
5.0mb (41 obs.) 5.0Msz (5 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 23:06:20.2 1.4
Lat 36.92N 0.17 Lon 141.86E 0.24
Dep 19.6 10.8 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.56	66	277
N	0.21	6	20
P	-4.77	23	113

Best Double Couple:Mo=4.7*10**16

	Strike=	Dip=	Slip=
NP1:	215	22	106
NP2:	18	69	84

02 19 21 29.69 54.801N 160.103W 33km
5.1mb (46 obs.) 4.6Msz (3 obs.)
ALASKA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 19:21:32.2 0.6
Lat 54.67N 0.06 Lon 159.59W 0.11
Dep 49.8 6.3 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.97	27	300
N	-0.25	59	151
P	-9.71	14	37

Best Double Couple:Mo=9.8*10**16

	Strike=	Dip=	Slip=
NP1:	82	60	10
NP2:	346	81	150

03 11 35 16.55 25.229S 178.438E 577km
5.4mb (32 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 11:35:27.2 1.0
Lat 24.80S 0.08 Lon 178.15E 0.08
Dep 630.6 4.7 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.88	19	100
N	0.88	8	193
P	-10.76	69	305

Best Double Couple:Mo=1.0*10**17

	Strike=	Dip=	Slip=
NP1:	176	27	-108
NP2:	17	64	-81

03 12 26 55.31 49.199S 164.645E 33km
5.5mb (9 obs.) 4.6Msz (1 obs.)
AUCKLAND ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 25C
Centroid Location:
Origin Time 12:27: 0.1 0.8
Lat 49.16S 0.15 Lon 163.98E 0.14
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.10	38	353
N	-0.15	52	180
P	-6.95	4	85

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

	Strike=	Dip=	Slip=
NP1:	136	62	26
NP2:	33	67	149

03 16 46 10.55 20.833S 178.577W 569km
5.4mb (48 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 16:46:17.7 0.3
Lat 20.66S 0.03 Lon 178.73W 0.03
Dep 591.4 2.0 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.63	5	214
N	2.17	36	120
P	-4.80	53	311

Best Double Couple:Mo=3.7*10**17

	Strike=	Dip=	Slip=
NP1:	337	51	-40
NP2:	95	60	-133

03 17 21 23.45 28.437N 127.621E 217km
5.3mb (44 obs.)
EAST CHINA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 17:21:27.7 1.0
Lat 28.31N 0.11 Lon 127.03E 0.15
Dep 207.6 5.4 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.05	46	197
N	-0.03	11	95
P	-1.01	42	355

Best Double Couple:Mo=1.0*10**17

	Strike=	Dip=	Slip=
NP1:	16	11	10
NP2:	276	88	101

04 17 37 43.11 28.281S 176.392W 80km
4.9mb (6 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 28C
Centroid Location:
Origin Time 17:37:44.4 1.0
Lat 28.21S 0.10 Lon 176.59W 0.13
Dep 24.6 5.4 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.75	55	264
N	-0.06	5	0
P	-9.70	35	94

Best Double Couple:Mo=9.7*10**16

	Strike=	Dip=	Slip=
NP1:	205	11	115
NP2:	359	80	85

04 23 17 21.50 46.953N 27.410W 10km
4.9mb (47 obs.) 5.2Msz (10 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Location:
Origin Time 23:17:25.0 0.4
Lat 46.72N 0.07 Lon 27.42W 0.07
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.08	11	273
N	0.01	3	183
P	-1.09	79	77

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

	Strike=	Dip=	Slip=
NP1:	7	34	-85
NP2:	181	56	-94

04 23 48 34.25 37.618N 31.913W 10km
5.1mb (38 obs.) 5.1Msz (8 obs.)
AZORES ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 23:48:37.7 0.4
Lat 37.58N 0.07 Lon 32.01W 0.06
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.42	11	143
N	-0.67	8	234
P	-1.75	76	0

Best Double Couple:Mo=2.1*10**17

	Strike=	Dip=	Slip=
NP1:	223	35	-104
NP2:	60	57	-80

05 10 50 55.37 0.003S 19.152W 10km
5.0mb (40 obs.) 5.7Msz (11 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 54C
Centroid Location:
Origin Time 10:51: 6.6 0.2
Lat 0.11S 0.02 Lon 18.78W 0.02
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.08	5	33
N	-0.01	78	147
P	-2.07	11	302

Best Double Couple:Mo=2.1*10**18

	Strike=	Dip=	Slip=
NP1:	78	78	-176
NP2:	347	86	-12

05 15 40 47.52 36.480N 70.673E 202km
5.8mb (101 obs.)
HINDU KUSH REGION
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	108	72	90
NP2:	288	18	90

Principal Axes:

	Plg=	Azm=
T	63	18
P	27	198

Comment: The focal mechanism is poorly controlled and correspands to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 1.8±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 209 No. of sta: 15
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.40	73	35
N	-0.11	4	291
P	-2.29	17	200

Best Double Couple:Mo=2.3*10**18

	Strike=	Dip=	Slip=
NP1:	283	28	81
NP2:	113	62	95

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 37C
Centroid Location:
Origin Time 15:40:52.9 0.2
Lat 36.22N 0.03 Lon 70.55E 0.02
Dep 207.6 1.5 Half-duration 4.6
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.37	61	21
N	-0.12	2	114
P	-2.25	29	205

Best Double Couple:Mo=2.3*10**18

	Strike=	Dip=	Slip=
NP1:	300	16	96
NP2:	114	74	88

06 04 06 14.15 51.272N 179.898W 20km
6.3mb (92 obs.) 6.4Msz (28 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	45	65	90
NP2:	225	25	90

Principal Axes:

	Plg=	Azm=
T	70	315
P	20	135

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 14 Focal mech. M
Energy 1.0±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 4 No. of sta: 22
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.51	45	261
N	-0.02	45	71
P	-1.50	5	166

Best Double Couple:Mo=1.5*10**19

	Strike=	Dip=	Slip=
NP1:	293	56	148
NP2:	42	64	39

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 18S, 48C M.W.: 13S, 37C
Centroid Location:
Origin Time 04:06:21.0 0.2
Lat 51.28N 0.01 Lon 179.47W 0.03
Dep 20.1 0.7 Half-duration 7.8
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	8.38	65	311

N 0.21 10 64
P -8.59 22 159
Best Double Couple:Mo=8.5*10**18
NP1:Strike=268 Dip=25 Slip= 116
NP2: 60 68 79

06 12 39 49.11 5.715S 152.656E 20km
5.9mb (45 obs.) 6.2Msz (21 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=192 Dip=67 Slip=-140
NP2: 84 54 -29
Principal Axes:
T Plg= 8 Azm=315
P 44 53
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 51 No. of sta: 10
Principal Axes:
Scale 10**18 Nm
T Val= 2.32 Plg=19 Azm=259
N -0.04 4 350
P -2.28 71 93
Best Double Couple:Mo=2.3*10**18
NP1:Strike=341 Dip=26 Slip=-100
NP2: 172 64 -85
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 15S, 41C M.W.: 13S, 37C
Centroid Location:
Origin Time 12:40: 1.1 0.2
Lat 5.78S 0.01 Lan 152.83E 0.01
Dep 15.0 FIX Half-durotion 6.3
Principal Axes:
Scale 10**18 Nm
T Val= 5.07 Plg= 3 Azm=105
N 1.13 21 196
P -6.20 69 7
Best Double Couple:Mo=5.6*10**18
NP1:Strike=174 Dip=46 Slip=-120
NP2: 34 52 -63

07 03 05 49.17 46.736N 139.232E 430km
6.0mb (131 obs.)
NEAR E. COAST OF EASTERN USSR
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=175 Dip=63 Slip= 49
NP2: 57 48 142
Principal Axes:
T Plg=53 Azm= 35
P 9 293
Comment: The focal mechanism is moderately well contralled and corresponds to reverse faulting with a large strike-slip campanent. The preferred fault plane is nat determined.
RADIATED ENERGY
No. of sta: 12 Facal mech. F
Energy 1.0±0.4*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 425 No. of sta: 16
Principal Axes:
Scale 10**19 Nm
T Val= 2.28 Plg=41 Azm= 55
N -0.39 42 194
P -1.89 22 305
Best Double Cauple:Mo=2.1*10**19
NP1:Strike= 82 Dip=44 Slip= 163
NP2: 184 79 47
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C M.W.: 13S, 36C
Centroid Location:
Origin Time 03:05:57.0 0.2
Lat 46.67N 0.01 Lan 139.01E 0.03
Dep 442.2 1.2 Half-duration 9.4
Principal Axes:
Scale 10**19 Nm
T Val= 1.57 Plg=53 Azm= 38
N 0.37 31 181
P -1.95 18 283
Best Double Cauple:Mo=1.8*10**19
NP1:Strike= 51 Dip=38 Slip= 146
NP2: 169 70 57

08 12 49 42.28 4.275S 152.635E 125km
5.2mb (18 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Locotion:
Origin Time 12:49:45.9 1.2
Lat 4.22S 0.08 Lon 152.85E 0.14
Dep 100.9 8.4 Half-durotion 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.14 Plg=45 Azm=166
N 0.74 38 306
P -6.88 21 54
Best Double Couple:Mo=6.5*10**16
NP1:Strike=189 Dip=41 Slip= 159
NP2: 295 76 51

09 06 32 34.93 11.343S 165.745E 46km
5.5mb (29 obs.) 5.3Msz (13 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Location:
Origin Time 06:32:36.5 0.3
Lat 11.64S 0.05 Lan 165.52E 0.05
Dep 15.0 BDY Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.74 Plg=57 Azm= 13
N -0.20 24 148
P -2.54 20 247
Best Double Couple:Mo=2.6*10**17
NP1:Strike= 13 Dip=33 Slip= 140
NP2: 138 69 64

09 08 05 38.28 19.202N 145.521E 149km
5.3mb (44 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 34C
Centroid Location:
Origin Time 08:05:40.5 0.4
Lat 19.06N 0.03 Lan 145.42E 0.05
Dep 144.4 1.7 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.12 Plg= 2 Azm=158
N -0.14 62 252
P -2.98 28 67
Best Double Couple:Mo=3.1*10**17
NP1:Strike=206 Dip=69 Slip=-161
NP2: 109 72 -22

09 16 51 23.83 36.201N 141.810E 45km
5.2mb (60 obs.) 5.0Msz (4 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 16:51:23.8 1.1
Lat 35.66N 0.10 Lon 142.13E 0.12
Dep 15.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.55 Plg=68 Azm=286
N 2.19 2 22
P -8.74 22 113
Best Double Couple:Mo=7.6*10**16
NP1:Strike=207 Dip=24 Slip= 95
NP2: 21 67 88

10 00 10 13.00 45.028S 16.342W 10km
5.2mb (21 obs.) 5.1Msz (2 obs.)
SOUTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 00:10: 8.9 1.3
Lat 45.10S FIX;Lon 16.30W FIX
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 7.48 Plg=14 Azm= 71
N -2.72 14 164
P -4.77 70 297
Best Double Cauple:Mo=6.1*10**16
NP1:Strike=142 Dip=33 Slip=-116
NP2: 352 61 -74

10 15 16 22.36 30.911S 65.503W 178km
5.4mb (36 obs.)
CORDOBA PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Locotion:
Origin Time 15:16:28.2 0.4
Lat 30.95S 0.06 Lon 65.19W 0.07
Dep 186.4 2.2 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.55 Plg= 3 Azm= 30
N 0.22 63 127
P -1.77 27 299
Best Double Couple:Mo=1.7*10**17
NP1:Strike= 78 Dip=69 Slip=-163
NP2: 341 74 -22

11 02 37 43.84 20.500S 178.362W 567km
5.3mb (28 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Locotion:
Origin Time 02:37:50.4 0.8
Lat 20.51S 0.07 Lan 178.61W 0.08
Dep 568.6 4.1 Half-durotion 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.34 Plg=40 Azm=149
N 0.06 5 55
P -1.40 50 318
Best Double Couple:Mo=1.4*10**17
NP1:Strike=281 Dip= 8 Slip= -43
NP2: 54 85 -96

11 07 47 39.53 14.645S 167.326E 163km
5.1mb (26 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 07:47:45.1 0.6
Lat 14.84S 0.05 Lon 167.13E 0.06
Dep 168.1 1.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.52 Plg=66 Azm=146
N 0.36 23 342
P -1.88 6 249
Best Double Couple:Mo=1.7*10**17
NP1:Strike=316 Dip=44 Slip= 55
NP2: 180 55 119

11 09 59 34.12 4.470N 127.709E 94km
5.9mb (64 obs.)
TALAUD ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=180 Dip=54 Slip= 112
NP2: 325 41 63
Principal Axes:
T Plg=71 Azm=145
P 7 255
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. C
Energy 1.9±0.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 92 No. of sta: 14
Principal Axes:
Scale 10**18 Nm
T Val= 5.72 Plg=61 Azm=110
N 0.20 15 350
P -5.92 24 253
Best Double Couple:Mo=5.8*10**18
NP1:Strike=315 Dip=25 Slip= 52
NP2: 176 70 106
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 18S, 50C M.W.: 17S, 40C
Centroid Location:
Origin Time 09:59:37.7 0.2
Lat 4.65N 0.01 Lan 127.65E 0.02
Dep 115.5 0.8 Half-duration 5.3

Principal Axes:
Scale 10**18 Nm
T Val= 3.21 Plg=74 Azm=126
N 0.18 12 346
P -3.39 10 254
Best Double Couple:Mo=3.3*10**18
NP1:Strike=330 Dip=37 Slip= 69
NP2: 175 56 105

11 18 12 53.59 7.045S 129.189E 162km
5.2mb (16 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centraid Location:
Origin Time 18:12:57.8 1.3
Lat 6.86S 0.09 Lan 129.31E 0.17
Dep 178.2 3.6 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 5.11 Plg=64 Azm=290
N -0.89 25 101
P -4.22 4 193
Best Double Couple:Mo=4.7*10**16
NP1:Strike=307 Dip=47 Slip= 126
NP2: 80 54 58

11 20 51 43.74 38.902N 141.988E 53km
5.6mb (87 abs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C
Centraid Locatian:
Origin Time 20:51:47.1 0.2
Lat 38.56N 0.02 Lon 142.04E 0.03
Dep 43.0 2.0 Half-duration 3.1
Principal Axes:
Scale 10**17 Nm
T Val= 5.86 Plg=70 Azm=285
N 1.20 1 19
P -7.06 20 109
Best Double Couple:Mo=6.5*10**17
NP1:Strike=202 Dip=25 Slip= 93
NP2: 18 65 89

12 01 30 25.03 7.090N 126.701E 25km
6.2mb (90 obs.) 6.4Msz (31 obs.)
MINDANAO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=330 Dip=67 Slip= 90
NP2: 150 23 90
Principal Axes:
T Plg=68 Azm=240
P 22 60
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 9.0±3.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 31 No. of sta: 15
Principal Axes:
Scale 10**19 Nm
T Val= 1.16 Plg=57 Azm=247
N 0.03 13 136
P -1.19 30 38
Best Double Couple:Mo=1.2*10**19
NP1:Strike= 94 Dip=19 Slip= 46
NP2: 319 76 104
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 17S, 46C M.W.: 15S, 32C
Centraid Locatian:
Origin Time 01:30:30.0 0.2
Lat 7.10N 0.01 Lon 127.18E 0.01
Dep 35.8 0.9 Half-duration 6.0
Principal Axes:
Scale 10**18 Nm
T Val= 5.50 Plg=60 Azm=210
N 0.10 12 321
P -5.60 27 57
Best Double Couple:Mo=5.6*10**18
NP1:Strike=174 Dip=21 Slip= 124
NP2: 317 73 78

12 07 15 13.10 28.165N 55.559E 40km
5.2mb (63 abs.) 4.9Msz (7 obs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centraid Locatian:
Origin Time 07:15:14.5 0.6
Lat 27.95N 0.06 Lon 55.32E 0.05
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.68 Plg=76 Azm=321
N 0.14 8 86
P -1.82 11 177
Best Double Couple:Mo=1.8*10**17
NP1:Strike=278 Dip=34 Slip= 104
NP2: 80 57 80

12 13 56 26.21 5.271S 151.342E 85km
5.8mb (37 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=318 Dip=77 Slip= 134
NP2: 61 46 18
Principal Axes:
T Plg=41 Azm=269
P 20 17
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting with a large strike-
slip component. The preferred
fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 5.0±1.6*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 75 No. of sta: 11
Principal Axes:
Scale 10**18 Nm
T Val= 1.60 Plg=66 Azm=221
N -0.09 3 318
P -1.51 24 49
Best Double Couple:Mo=1.6*10**18
NP1:Strike=146 Dip=21 Slip= 99
NP2: 317 69 87
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 47C
Centraid Locatian:
Origin Time 13:56:32.4 0.2
Lat 5.43S 0.02 Lon 151.37E 0.02
Dep 89.6 1.6 Half-duration 4.2
Principal Axes:
Scale 10**18 Nm
T Val= 1.40 Plg=70 Azm=236
N 0.54 5 132
P -1.94 19 40
Best Double Couple:Mo=1.7*10**18
NP1:Strike=121 Dip=26 Slip= 78
NP2: 314 64 96

12 16 12 37.59 21.694S 68.222W 78km
5.5mb (30 obs.)
CHILE-BOLIVIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C
Centraid Location:
Origin Time 16:12:51.1 0.6
Lat 21.85S 0.09 Lan 68.33W 0.09
Dep 139.3 3.2 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 12.48 Plg=15 Azm= 48
N -1.89 18 313
P -10.59 66 177
Best Double Couple:Mo=1.2*10**17
NP1:Strike=163 Dip=33 Slip= -56
NP2: 304 63 -110

14 16 04 26.43 5.644S 81.377W 29km
5.7mb (68 obs.) 5.7Msz (17 obs.)
NEAR COAST OF NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 43C
Centroid Location:
Origin Time 16:04:29.8 0.2
Lat 5.84S 0.03 Lon 82.05W 0.03
Dep 15.0 FIX Half-duration 3.7
Principal Axes:
Scale 10**17 Nm
T Val= 9.70 Plg=67 Azm= 76
N 0.45 2 170
P -10.15 23 261
Best Double Couple:Mo=9.9*10**17
NP1:Strike=355 Dip=22 Slip= 95
NP2: 170 68 88

15 13 49 13.92 50.056S 115.082W 10km
5.5mb (16 obs.) 4.8Msz (4 obs.)
EASTER ISLAND CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C
Centroid Location:
Origin Time 13:49:21.6 0.4
Lat 50.31S 0.04 Lon 115.13W 0.06
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.52 Plg= 8 Azm=330
N -0.80 6 61
P -1.71 80 188
Best Double Couple:Mo=2.1*10**17
NP1:Strike= 53 Dip=37 Slip=-100
NP2: 245 53 -82

15 23 38 13.39 17.967S 178.551W 611km
4.8mb (18 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 23:38:22.5 1.6
Lat 18.05S 0.16 Lon 179.05W 0.15
Dep 610.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.16 Plg=47 Azm=329
N 2.56 36 111
P -8.72 20 216
Best Double Couple:Mo=7.4*10**16
NP1:Strike=349 Dip=41 Slip= 155
NP2: 99 74 52

16 03 34 52.16 7.451S 128.113E 118km
5.4mb (26 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 03:34:52.5 1.0
Lat 8.05S 0.09 Lan 128.25E 0.08
Dep 154.3 1.9 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.79 Plg=76 Azm=338
N -0.63 13 137
P -1.16 5 228
Best Double Couple:Mo=1.5*10**17
NP1:Strike=332 Dip=42 Slip= 110
NP2: 126 51 73

16 13 06 10.86 6.466S 105.441E 71km
5.1mb (17 obs.)
SUNDA STRAIT
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centraid Locatian:
Origin Time 13:06:12.8 1.2
Lat 6.68S 0.10 Lon 104.99E 0.09
Dep 70.7 6.5 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 6.94 Plg=72 Azm= 8
N 2.26 12 137
P -9.19 14 230
Best Double Couple:Mo=8.1*10**16
NP1:Strike=335 Dip=33 Slip= 112
NP2: 130 60 76

16 16 08 29.38 51.530N 175.930W 33km
5.1mb (22 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centraid Locatian:
Origin Time 16:08:33.9 0.8
Lat 51.41N 0.12 Lan 176.10W 0.16
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**16 Nm

T Val= 4.28 Plg= 9 Azm=241
N -0.49 58 346
P -3.79 30 145
Best Double Couple:Ma=4.0*10**16
NP1:Strike=287 Dip=62 Slip=-164
NP2: 189 76 -29

17 05 12 11.96 13.568S 167.154E 177km
5.6mb (51 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centraid Lacation:
Origin Time 05:12:16.8 0.4
Lat 13.86S 0.03 Lon 166.96E 0.04
Dep 183.1 1.1 Half-duratian 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.32 Plg=81 Azm= 90
N -0.44 5 325
P -2.88 7 235
Best Double Couple:Mo=3.1*10**17
NP1:Strike=319 Dip=38 Slip= 82
NP2: 149 53 97

17 11 19 05.43 21.498S 169.566E 33km
4.6mb (5 abs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centraid Lacatian:
Origin Time 11:19:14.2 1.3
Lat 22.07S 0.15 Lan 169.10E 0.16
Dep 15.0 FIX Half-duratian 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 3.24 Plg=66 Azm=145
N 1.32 22 354
P -4.56 11 259
Best Double Couple:Ma=3.9*10**16
NP1:Strike=325 Dip=39 Slip= 55
NP2: 187 59 115

17 11 48 07.68 18.015S 178.490W 611km
5.3mb (35 abs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centraid Lacation:
Origin Time 11:48:14.6 0.7
Lat 17.89S 0.06 Lan 178.44W 0.07
Dep 619.3 3.4 Half-duratian 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.96 Plg=48 Azm= 13
N 0.05 41 182
P -2.01 6 277
Best Double Couple:Ma=2.0*10**17
NP1:Strike= 43 Dip=53 Slip= 145
NP2: 155 63 42

17 13 43 39.01 0.802N 122.229E 82km
5.2mb (31 abs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centraid Lacatian:
Origin Time 13:43:42.3 0.5
Lat 0.81N 0.07 Lan 122.26E 0.08
Dep 77.7 4.3 Half-duratian 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.30 Plg=29 Azm=224
N -0.08 61 49
P -1.22 2 315
Best Double Couple:Ma=1.3*10**17
NP1:Strike= 3 Dip=68 Slip= 19
NP2: 266 72 157

18 01 53 51.04 25.271N 94.202E 50km
5.7mb (107 abs.) 5.9Msz (14 abs.)
BURMA-INDIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 30C
Centraid Lacatian:
Origin Time 01:53:59.3 0.2
Lat 24.58N 0.04 Lan 93.94E 0.03
Dep 75.3 2.0 Half-duratian 5.1
Principal Axes:
Scale 10**18 Nm
T Val= 3.05 Plg= 6 Azm=294
N -0.58 64 192
P -2.47 25 27
Best Double Couple:Mo=2.8*10**18
NP1:Strike= 67 Dip=68 Slip= -14
NP2: 163 77 -158

18 03 07 34.13 49.282N 147.693E 542km
6.1mb (96 obs.)
SEA OF OKHOTSK
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=240 Dip=90 Slip= 77
NP2: 150 13 180
Principal Axes:
T Plg=44 Azm=137
P 44 343
Comment: The facal mechanism is moderately well contralled and carrespands ta normal faulting with a small strike-slip campanent. The preferred fault plane is nat determined.
RADIATED ENERGY
Na. af sta: 9 Facal mech. M
Energy 8.4±2.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 541 Na. af sta: 13
Principal Axes:
Scale 10**19 Nm
T Val= 1.43 Plg=38 Azm=142
N 0.18 2 51
P -1.61 52 319
Best Double Couple:Ma=1.5*10**19
NP1:Strike=244 Dip= 7 Slip= -77
NP2: 51 83 -92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 17S, 44C M.W.: 16S, 38C
Centraid Lacatian:
Origin Time 03:07:40.7 0.2
Lat 49.12N 0.02 Lan 147.39E 0.03
Dep 551.7 1.3 Half-duratian 9.4
Principal Axes:
Scale 10**19 Nm
T Val= 1.60 Plg=38 Azm=140
N 0.19 0 230
P -1.79 52 320
Best Double Couple:Ma=1.7*10**19
NP1:Strike=230 Dip= 7 Slip= -90
NP2: 50 83 -90

18 07 18 03.26 44.408N 147.102E 111km
5.3mb (74 abs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 13C
Centraid Lacatian:
Origin Time 07:18:10.7 2.2
Lat 44.84N 0.19 Lan 146.91E 0.23
Dep 145.1 6.5 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.16 Plg=61 Azm= 19
N -0.32 12 132
P -1.84 26 228
Best Double Couple:Ma=2.0*10**17
NP1:Strike=344 Dip=22 Slip= 124
NP2: 128 72 77

18 07 27 00.21 8.302N 125.362E 16km
5.5mb (24 obs.) 5.9Msz (1 abs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 35C
Centraid Lacatian:
Origin Time 07:27: 5.1 0.2
Lat 8.18N 0.02 Lan 125.27E 0.03
Dep 15.0 FIX Half-duratian 5.0
Principal Axes:
Scale 10**18 Nm
T Val= 3.04 Plg=25 Azm=202
N -0.35 64 40
P -2.69 7 295
Best Double Couple:Ma=2.9*10**18
NP1:Strike=341 Dip=67 Slip= 13
NP2: 246 78 157

18 18 33 19.65 16.217S 178.302E 33km
5.4mb (17 abs.) 5.2Msz (7 abs.)
FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centroid Location:
Origin Time 18:33:22.8 0.5
Lat 15.99S 0.06 Lan 178.37E 0.04
Dep 20.7 5.2 Half-duration 2.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.96 Plg=12 Azm=117
N 0.55 78 291
P -4.51 1 27
Best Double Couple:Mo=4.2*10**17
NP1:Strike=161 Dip=81 Slip= 173
NP2: 252 83 9

19 00 14 33.17 29.862N 139.067E 417km
5.5mb (97 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centraid Lacation:
Origin Time 00:14:35.8 0.5
Lat 29.90N 0.05 Lan 139.30E 0.06
Dep 421.5 3.2 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.36 Plg=68 Azm= 53
N 0.49 12 177
P -2.85 17 271
Best Double Couple:Ma=2.6*10**17
NP1:Strike= 19 Dip=30 Slip= 116
NP2: 171 64 76

19 12 56 25.29 30.284S 71.484W 36km
5.6mb (42 obs.) 6.0Msz (18 abs.)
NEAR COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 46C
Centraid Location:
Origin Time 12:56:34.0 0.2
Lat 30.71S 0.02 Lan 72.07W 0.02
Dep 22.8 1.3 Half-duration 4.3
Principal Axes:
Scale 10**18 Nm
T Val= 1.78 Plg=77 Azm= 92
N 0.53 1 357
P -2.30 13 266
Best Double Couple:Ma=2.0*10**18
NP1:Strike=355 Dip=32 Slip= 88
NP2: 177 58 91

19 16 58 18.70 21.185S 174.254W 33km
5.5mb (25 abs.) 5.2Msz (9 abs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 40C
Centroid Locatian:
Origin Time 16:58:24.8 0.5
Lat 21.36S 0.04 Lan 174.02W 0.04
Dep 17.6 1.8 Half-duratian 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 2.95 Plg=74 Azm=268
N 0.48 6 19
P -3.43 15 111
Best Double Couple:Ma=3.2*10**17
NP1:Strike=210 Dip=31 Slip= 102
NP2: 16 60 83

19 17 37 46.97 22.091N 144.249E 84km
5.5mb (59 abs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 20C
Centraid Lacatian:
Origin Time 17:37:48.7 0.8
Lat 21.90N 0.09 Lan 144.27E 0.06
Dep 64.6 8.2 Half-duratian 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.29 Plg=67 Azm=287
N 0.15 10 173
P -1.44 20 79
Best Double Couple:Mo=1.4*10**17
NP1:Strike=152 Dip=26 Slip= 67
NP2: 357 66 101

20 05 40 19.49 56.563N 152.775W 33km
5.1mb (64 obs.) 4.8Msz (10 obs.)
KODIAK ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 05:40:19.5 0.9
Lat 56.30N 0.11 Lon 152.28W 0.14
Dep 33.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.83	53	324
N	-0.32	1	233
P	-9.51	37	142

Best Double Couple:Mo=9.7*10**16

	Strike=	Dip=	Slip=
NP1:	228	8	85
NP2:	53	82	91

20 13 54 13.68 61.139S 52.125W 10km
5.5mb (20 obs.) 4.9Msz (2 obs.)
SOUTH SHETLAND ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 13:54:18.6 0.5
Lat 61.83S 0.09 Lon 52.37W 0.24
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.34	4	323
N	-0.54	9	232
P	-3.80	80	76

Best Double Couple:Mo=4.1*10**16

	Strike=	Dip=	Slip=
NP1:	62	42	-77
NP2:	224	50	-102

20 23 40 47.50 19.365S 173.829W 33km
5.2mb (7 obs.) 4.9Msz (1 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 23:40:51.0 2.4
Lat 19.07S 0.20 Lon 172.88W 0.19
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.23	66	296
N	0.78	2	202
P	-6.01	24	111

Best Double Couple:Mo=5.6*10**16

	Strike=	Dip=	Slip=
NP1:	197	21	85
NP2:	23	69	92

21 12 25 27.03 24.196N 125.183E 42km
5.0mb (18 obs.) 5.1Msz (1 obs.)
SOUTHWESTERN RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 19C
Centroid Location:
Origin Time 12:25:29.2 0.9
Lat 24.34N 0.18 Lon 125.25E 0.25
Dep 25.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.79	53	341
N	-0.54	12	234
P	-8.25	34	135

Best Double Couple:Mo=8.5*10**16

	Strike=	Dip=	Slip=
NP1:	183	16	38
NP2:	56	80	103

23 03 27 57.17 14.049N 91.314W 81km
4.9mb (15 obs.)
GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 03:27:53.6 0.6
Lat 13.91N 0.08 Lon 91.92W 0.09
Dep 50.7 4.5 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.09	7	43
N	1.32	10	134
P	-7.41	78	279

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

	Strike=	Dip=	Slip=
NP1:	121	39	-106
NP2:	322	53	-77

23 05 01 07.70 20.151S 70.688W 37km
5.3mb (12 obs.) 5.0Msz (2 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 05:01:15.1 0.6
Lat 19.97S 0.11 Lan 71.13W 0.09
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.48	65	129
N	0.27	16	1
P	-6.74	19	266

Best Double Couple:Mo=6.6*10**16

	Strike=	Dip=	Slip=
NP1:	331	30	56
NP2:	189	66	107

23 17 09 04.45 8.047N 125.410E 32km
5.1mb (19 obs.) 5.2Msz (6 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centroid Location:
Origin Time 17:09: 6.4 0.3
Lat 8.09N 0.03 Lon 125.29E 0.05
Dep 29.4 2.7 Half-duration 2.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.65	7	201
N	-0.68	52	300
P	-3.97	37	105

Best Double Couple:Mo=4.3*10**17

	Strike=	Dip=	Slip=
NP1:	250	59	-157
NP2:	147	70	-33

25 11 31 54.33 63.850N 19.728W 8km
5.8mb (61 obs.) 5.8Msz (16 obs.)
ICELAND
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	100	90	-12
NP2:	190	78	-180

Principal Axes:

	Plg=	Azm=
T	8	146
P	8	54

Comment: The focal mechanism is maderately well controlled and corresponds to strike-slip faulting with a small narmal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. M
Energy 1.5±0.7*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 20 No. of sta: 11
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.12	5	149
N	0.04	84	304
P	-1.16	2	59

Best Double Couple:Mo=1.1*10**18

	Strike=	Dip=	Slip=
NP1:	194	85	178
NP2:	284	88	5

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 38C
Centroid Location:
Origin Time 11:31:58.6 0.3
Lat 64.02N 0.04 Lon 19.82W 0.09
Dep 15.0 FIX Half-duration 3.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	10.51	17	136
N	1.14	47	27
P	-11.65	38	240

Best Double Couple:Ma=1.1*10**18

	Strike=	Dip=	Slip=
NP1:	271	50	-18
NP2:	12	76	-139

26 01 37 42.26 5.519S 133.959E 33km
5.3mb (20 obs.)
AROE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 28C
Centroid Location:
Origin Time 01:37:46.4 1.3
Lat 5.56S 0.11 Lon 133.66E 0.12
Dep 40.5 8.2 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.99	17	101
N	-0.45	8	9
P	-4.54	71	255

Best Double Couple:Ma=4.8*10**16

	Strike=	Dip=	Slip=
NP1:	202	29	-74
NP2:	5	62	-99

26 12 07 52.56 38.222N 142.318E 37km
5.3mb (61 obs.) 5.2Msz (10 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 34C
Centroid Locatian:
Origin Time 12:07:55.1 0.4
Lat 37.95N 0.05 Lon 141.98E 0.06
Dep 25.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.96	83	270
N	0.08	3	20
P	-2.04	7	110

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

	Strike=	Dip=	Slip=
NP1:	203	38	94
NP2:	18	52	87

29 06 27 50.77 34.076N 48.266E 41km
4.9mb (41 obs.) 4.6Msz (4 obs.)
WESTERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 06:27:49.1 0.6
Lat 33.54N 0.07 Lon 47.76E 0.08
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.23	8	83
N	-0.48	80	294
P	-0.76	5	174

Best Double Couple:Mo=1.0*10**17

	Strike=	Dip=	Slip=
NP1:	218	80	2
NP2:	128	88	170

29 17 37 37.30 22.475N 143.265E 119km
5.2mb (32 obs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 17:37:40.3 0.8
Lat 22.69N 0.06 Lon 143.31E 0.11
Dep 133.7 3.4 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.72	46	198
N	-1.78	20	86
P	-5.94	37	340

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

	Strike=	Dip=	Slip=
NP1:	11	21	14
NP2:	268	85	110

29 18 40 31.34 37.549N 21.574E 49km
5.2mb (64 obs.) 4.5Msz (4 obs.)
SOUTHERN GREECE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 18:40:34.2 0.7
Lat 37.57N 0.06 Lan 21.49E 0.08
Dep 56.7 5.9 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.57	21	8
N	0.99	13	103
P	-9.56	65	223

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

	Strike=	Dip=	Slip=
NP1:	75	26	-121
NP2:	289	68	-76

30 02 59 36.56 15.322S 173.555W 33km
5.2mb (10 obs.) 5.6Msz (20 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 40C
Centroid Location:

Origin Time 02:59:46.1 0.2
Lot 15.00S 0.04 Lon 173.57W 0.03
Dep 58.6 4.2 Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 4.86 Plg=42 Azm=183
N -0.33 11 283
P -4.54 46 25
Best Double Couple:Mo=4.7*10**17
NP1:Strike=203 Dip=12 Slip=-171
NP2: 104 88 -79

0 16 54 04.71 6.064S 130.518E 138km
5.6mb (24 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 34C
Centroid Locotion:
Origin Time 16:54: 5.1 0.8
Lat 6.40S 0.06 Lon 130.90E 0.10
Dep 144.1 2.5 Half-durotion 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.17 Plg=67 Azm=270
N 0.75 5 169
P -10.92 23 77
Best Double Couple:Mo=1.1*10**17
NP1:Strike=157 Dip=22 Slip= 77
NP2: 351 68 95

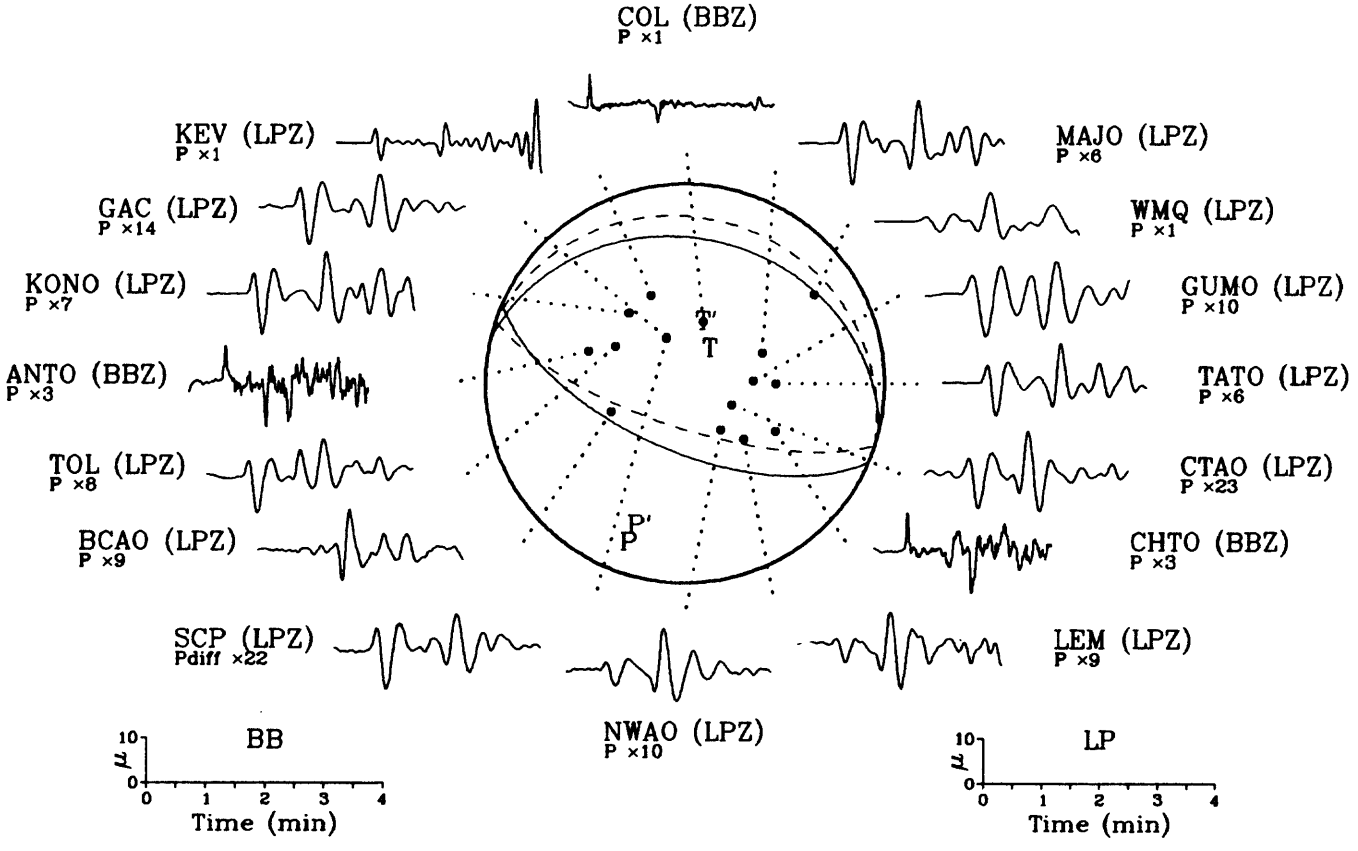
30 17 19 00.16 44.669N 150.289E 53km
5.3mb (63 obs.)
KURIL ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Locotion:
Origin Time 17:18:58.6 0.7
Lot 44.69N 0.06 Lon 151.09E 0.11
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 10.17 Plg=68 Azm=277
N 0.60 8 27
P -10.77 21 120
Best Double Couple:Mo=1.0*10**17
NP1:Strike=224 Dip=25 Slip= 109
NP2: 23 66 81

31 01 00 53.12 7.930S 122.273E 225km
5.3mb (27 obs.)
FLORES SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 01:00:50.5 1.7
Lat 8.16S 0.13 Lon 122.49E 0.11
Dep 233.5 5.2 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.02 Plg=62 Azm= 37
N 1.07 5 298
P -7.09 28 205
Best Double Couple:Mo=6.6*10**16
NP1:Strike=282 Dip=18 Slip= 73
NP2: 119 73 95

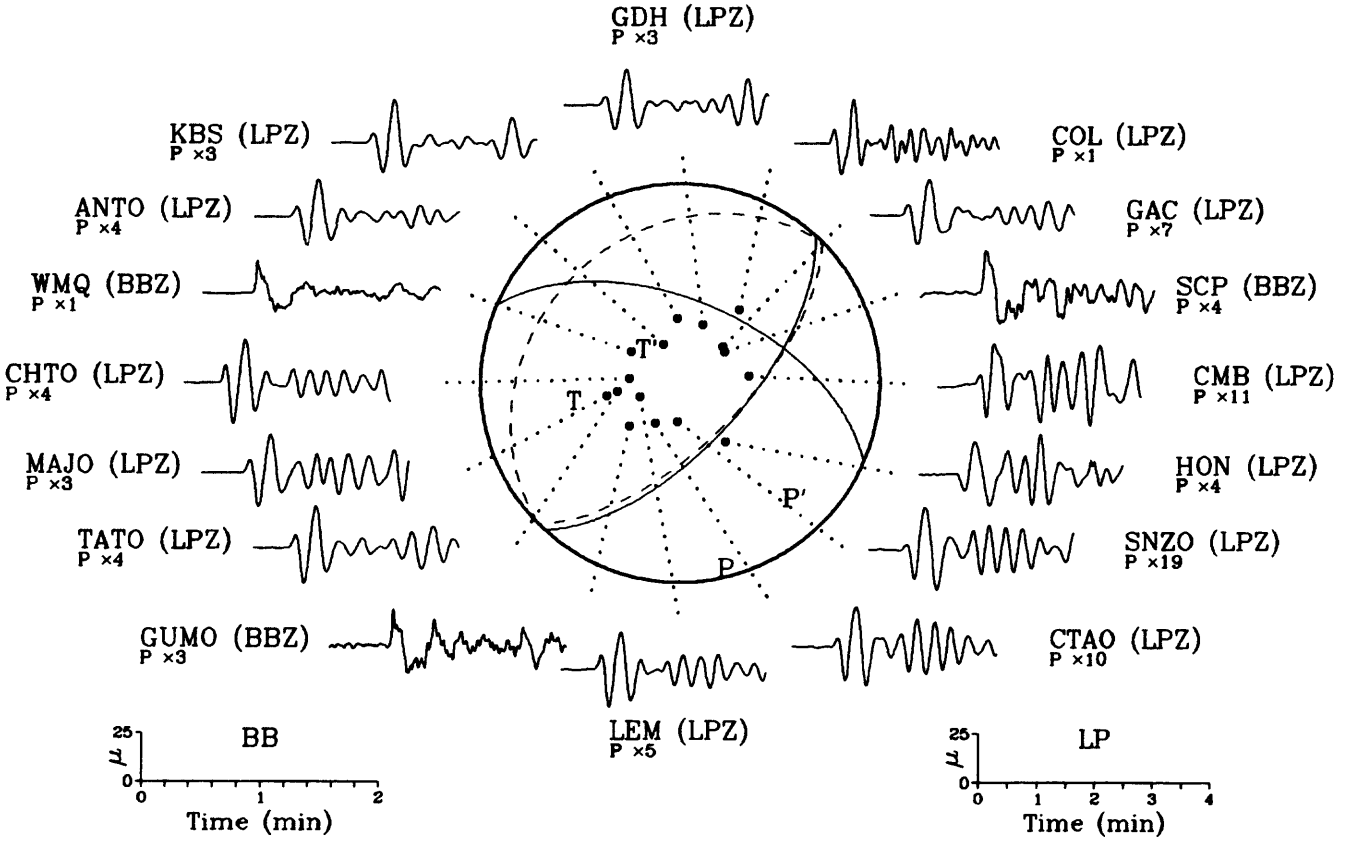
31 18 32 17.05 0.748N 121.941E 79km
5.2mb (21 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Locotion:
Origin Time 18:32:21.4 0.6
Lot 0.69N 0.08 Lon 121.74E 0.08
Dep 91.7 4.8 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 10.33 Plg=40 Azm=201
N -1.41 44 55
P -8.92 18 307
Best Double Couple:Mo=9.6*10**16
NP1:Strike=352 Dip=48 Slip= 19
NP2: 249 76 136

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

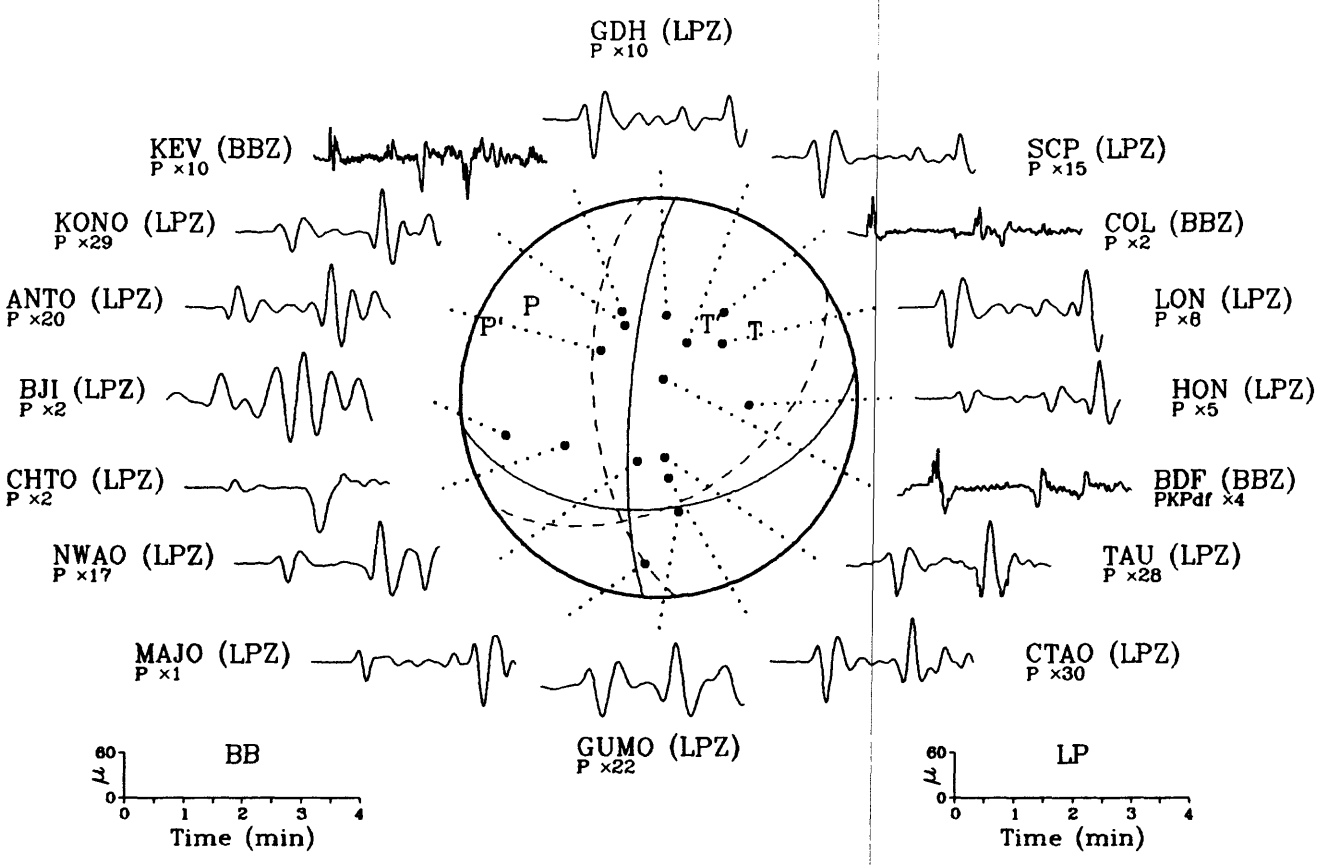
05 May 1987 15:40:47.52
Hindu Kush Region



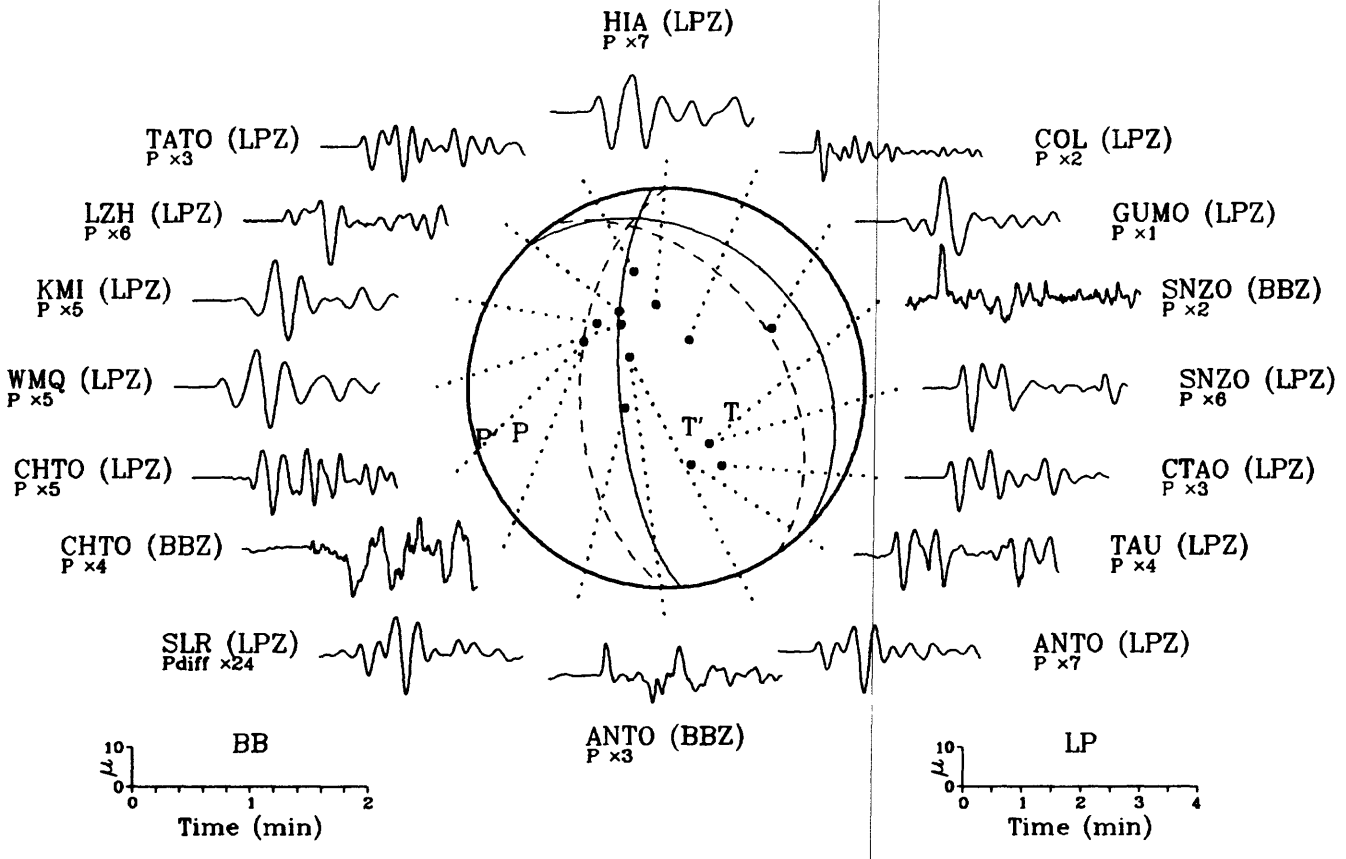
06 May 1987 04:06:14.15
Andreanof Islands, Aleutian Is.



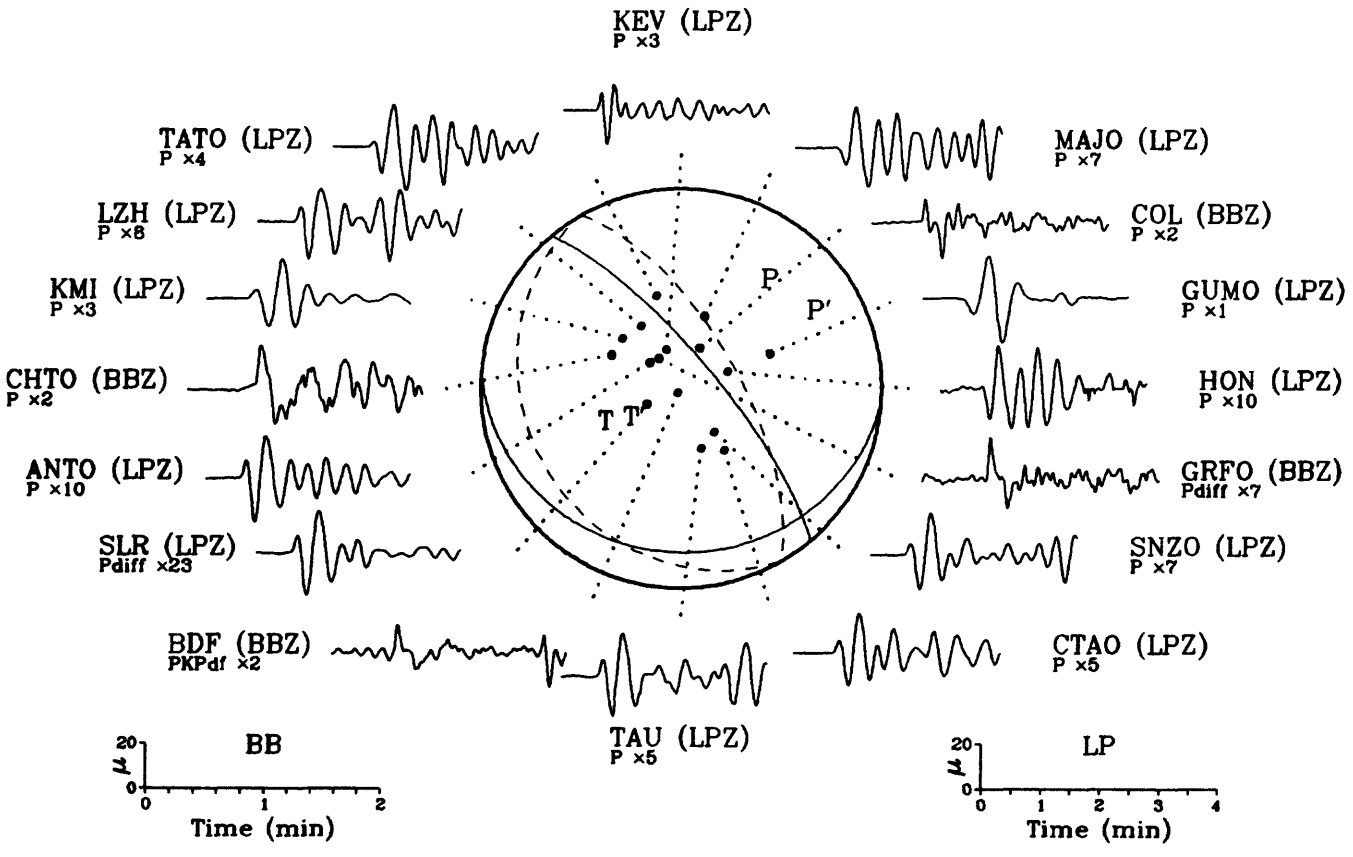
07 May 1987 03:05:49.17
Near E. Coast of Eastern USSR



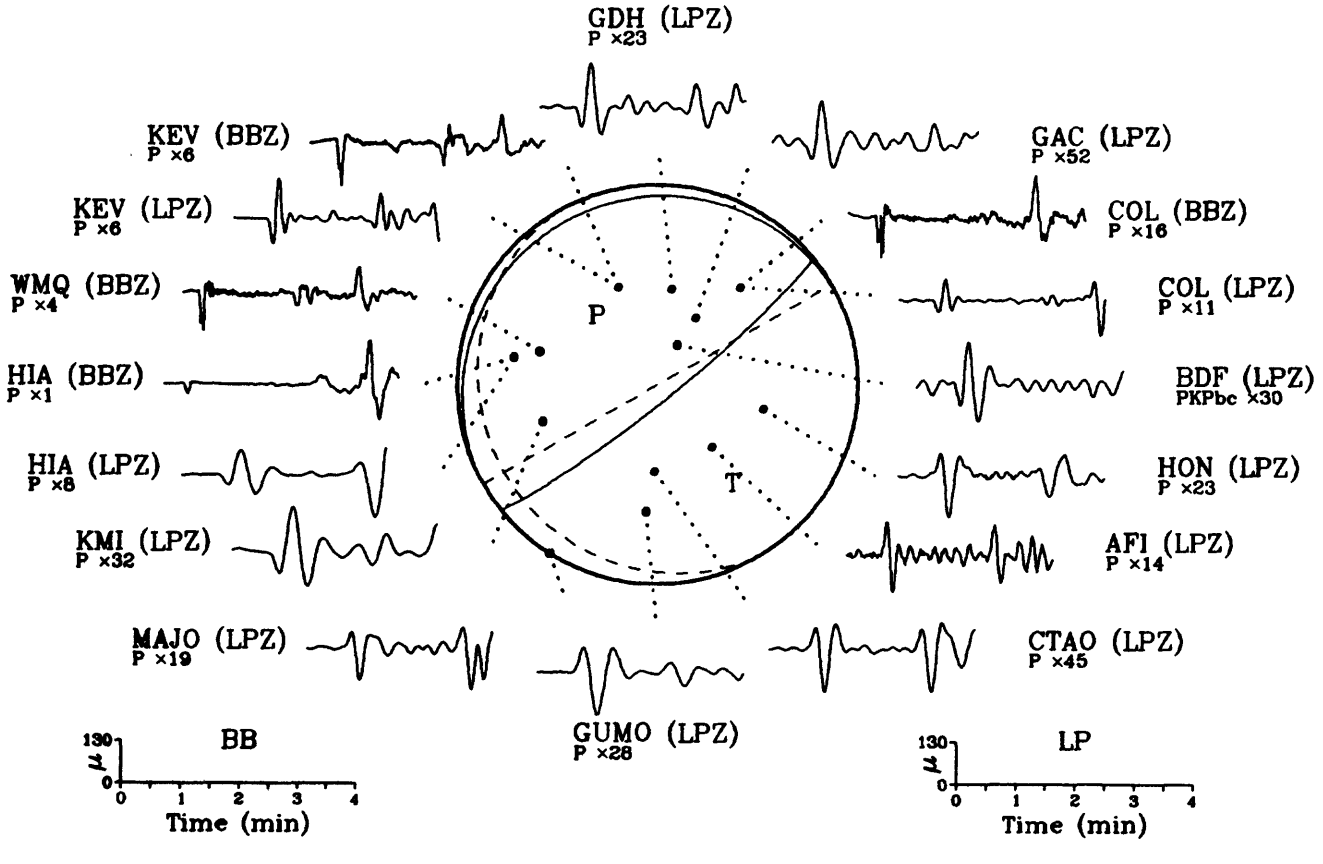
11 May 1987 09:59:34.12
Talaud Islands



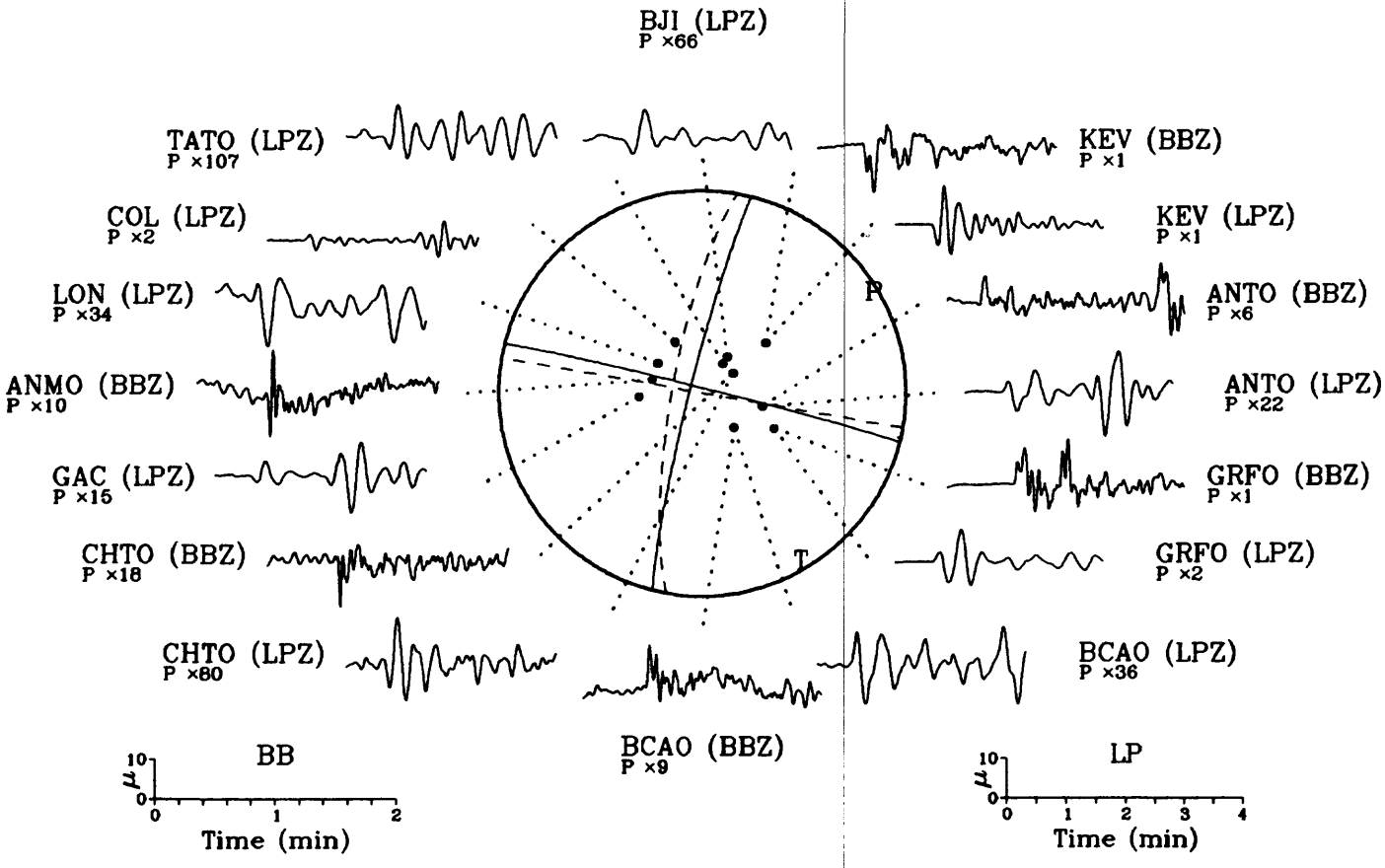
12 May 1987 01:30:25.03
Mindanao, Philippine Islands

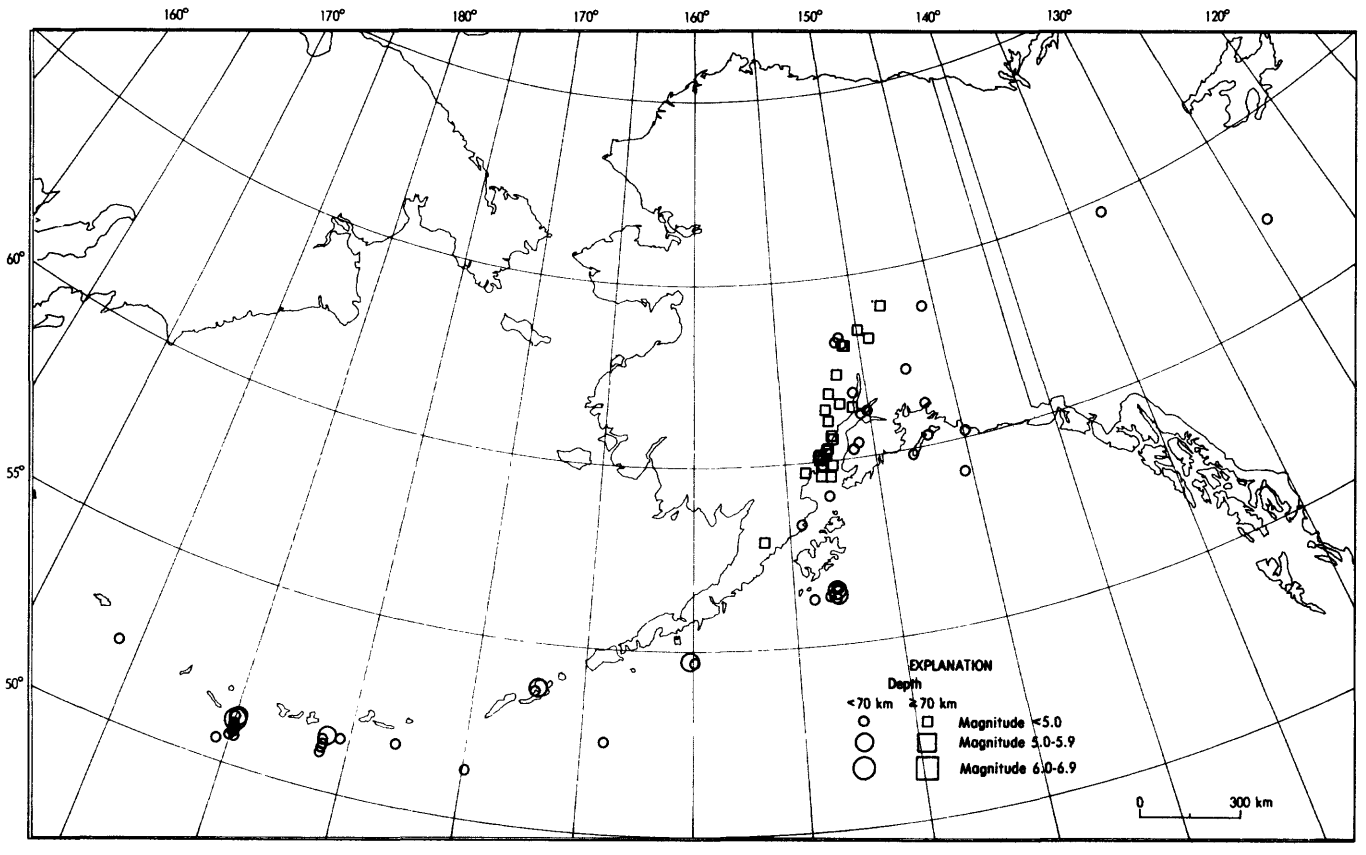


18 May 1987 03:07:34.13
Sea of Okhotsk

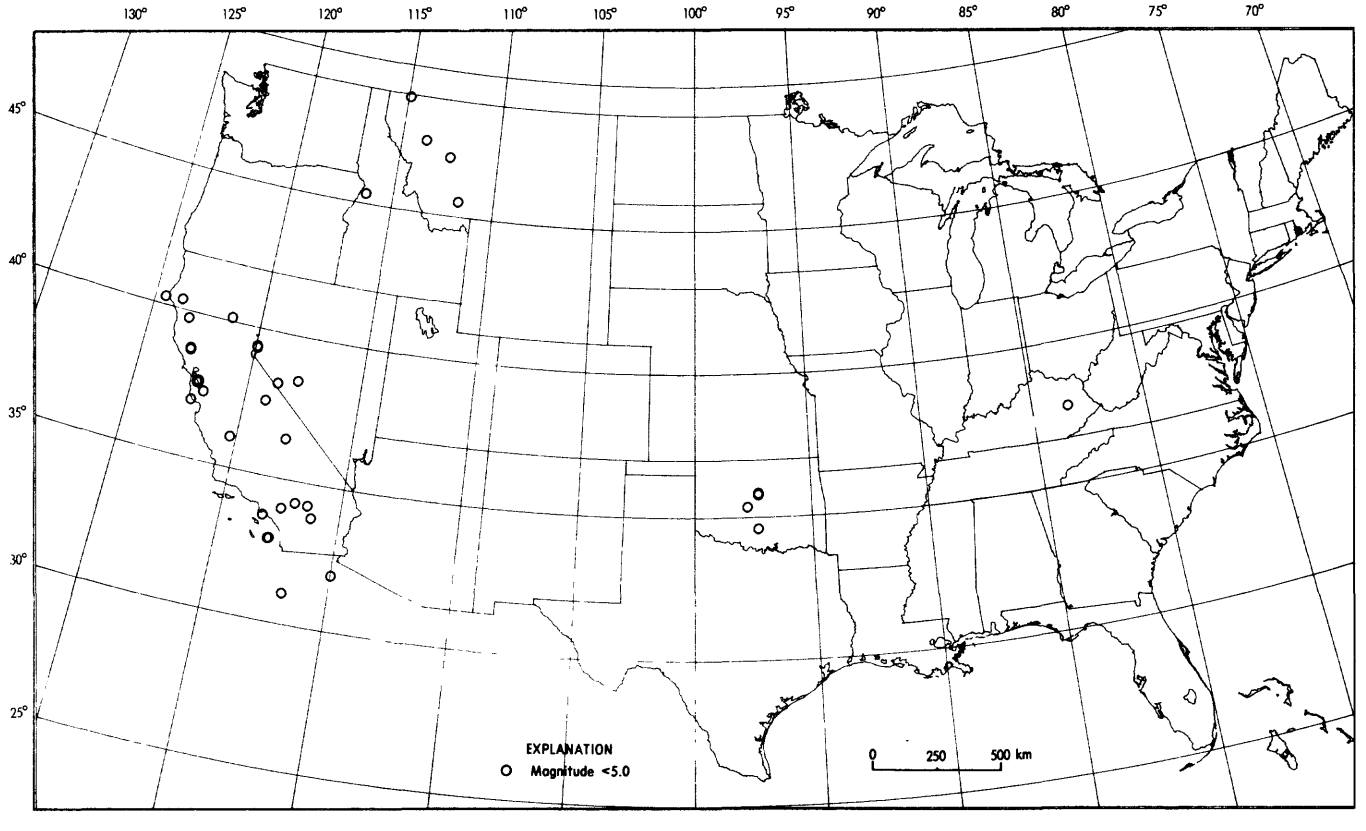


25 May 1987 11:31:54.33
Iceland

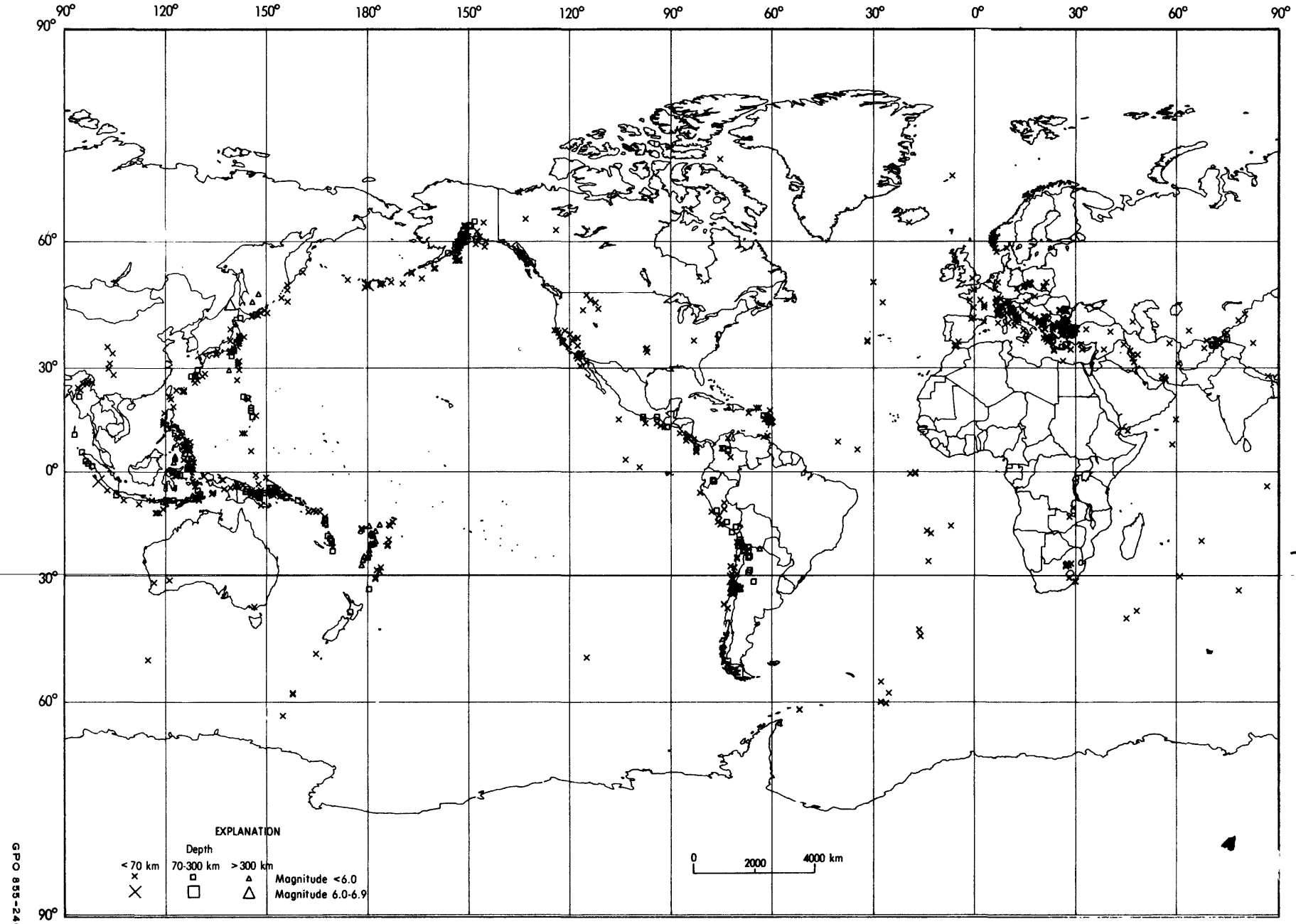




Earthquake epicenters in Alaska and adjacent regions for May, 1987 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for May, 1987 (C. Stover).



Earthquakes located in May, 1987 (C. Stover).

GPO 855-246

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

J U N E 1 9 8 7

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	12	25.2•	39.830	N	120.059	W	5	G			1.1	7	NORTHERN CALIFORNIA. ML 2.7 (BRK).
a	01	00	15	14.3	51.540	N	177.509	W	33	N	5.3	4.9	1.0	242	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.1 (PMR), Ms 5.1 (BRK). Felt (IV) on Adak.
	01	00	55	40.6	51.337	N	177.449	W	33	N	4.9		1.1	37	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR). Felt (III) on Adak.
	01	01	19	30.3	2.308	S	138.981	E	33	N	4.8	3.8	1.3	31	WEST IRIAN
a	01	01	50	16.1	22.258	S	68.541	W	104	D	5.4		1.0	136	NORTHERN CHILE
	01	02	04	51.6•	40.528	N	27.184	E	10	G			1.2	6	TURKEY
	01	02	11	13.8%	16.314	N	60.706	W	30				0.4	11	LEEWARD ISLANDS. ML 3.0 (FDF).
	01	02	28	29.6	36.670	N	25.454	E	166		4.2		0.9	42	DODECANESE ISLANDS
a	01	02	53	29.4	8.097	N	38.026	W	10	G	4.9	4.9	1.0	74	CENTRAL MID-ATLANTIC RIDGE
a	01	03	40	32.7	11.983	N	62.033	W	142		5.0		0.9	203	WINDWARD ISLANDS. Felt (IV) on Trinidad. Felt at Puerta Ordaz, Venezuela.
	01	04	17	04.9	59.858	S	26.536	W	39	D	5.1	4.7	1.0	56	SOUTH SANDWICH ISLANDS REGION
	01	04	23	08.0•	38.412	N	76.465	E	33	N	4.4		1.1	10	SOUTHERN XINJIANG, CHINA
	01	05	28	17.8%	39.493	N	28.173	E	10	G			1.0	5	TURKEY
	01	07	57	07.9	44.187	N	12.044	E	10	G			1.4	23	NORTHERN ITALY. ML 3.2 (KBA), 3.1 (LDG).
	01	08	13	08.2%	43.034	N	17.927	E	10	G			0.6	9	YUGOSLAVIA. ML 2.7 (TTG).
	01	10	42	24.3%	60.608	N	4.774	E	0	G			1.0	5	SOUTHERN NORWAY. MD 2.0 (BER). Probable explosion.
a	01	11	39	08.0	51.657	N	176.232	W	58		4.9		0.8	113	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak.
	01	13	22	06.7?	58.20	N	6.43	E	0	G			1.0	7	SOUTHERN NORWAY. MD 2.2 (BER). Probable explosion.
	01	13	48	52.4?	28.45	N	55.56	E	33	N	3.9		0.5	5	SOUTHERN IRAN
	01	15	55	58.8•	37.980	N	91.300	E	10	G	4.1		1.0	8	QINGHAI PROVINCE, CHINA
	01	16	45	10.1	30.843	N	49.966	E	36	•	4.6		1.1	57	WESTERN IRAN
	01	17	19	53.6•	49.723	S	125.695	E	10	G	4.6	4.2	1.2	15	SOUTH OF AUSTRALIA
	01	17	26	20.7	37.484	N	21.498	E	57	•	3.9		1.0	21	SOUTHERN GREECE
	01	17	44	33.2&	34.615	N	97.380	W	5	G				6	OKLAHOMA. <TUL>. mbLg 2.9 (TUL). Felt (IV) at Elmore City.
	01	19	18	29.6&	33.860	N	116.180	W	4					12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	01	19	19	58.6&	33.860	N	116.180	W	4					6	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	01	20	00	58.6•	24.795	N	122.215	E	33	N	4.3		0.4	7	TAIWAN REGION
	01	20	10	07.0•	9.276	S	112.706	E	92	•	4.5		0.9	11	SOUTH OF JAVA
	01	20	17	38.1?	36.79	N	22.16	E	33	N			1.8	4	SOUTHERN GREECE. ML 3.3 (ATH). Felt at Karani and Kalamai.
	01	21	32	31.5•	40.182	N	32.484	E	10	G			1.1	6	TURKEY
	01	21	33	37.9	24.953	N	122.366	E	161		4.7		1.0	29	TAIWAN REGION
	01	23	00	46.9	15.576	N	119.393	E	38		5.0	4.5	1.1	83	LUZON, PHILIPPINE ISLANDS
	01	23	48	18.9•	17.796	S	65.322	W	10	G			1.3	8	BOLIVIA
a	02	03	11	51.1	9.093	N	83.869	W	40		4.9,	4.9	1.1	163	COSTA RICA. Felt (V) at Quepos and Palmar; (IV) at San Jose, Cortaga, Heredia and Alajuela; (III) at Puntorenas and Limon. Felt (V) at Bocas del Tara and Volcan Boquete; (IV) at Dovid, Panama.
	02	05	54	21.1•	40.064	N	142.241	E	33	N	4.1		0.2	6	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Miyako and (I JMA) at Morioka.
	02	06	54	22.5?	15.85	N	60.69	W	33	N			0.5	6	LEEWARD ISLANDS. ML 2.7 (FRF).
	02	07	07	31.2?	25.51	S	111.27	W	10	G	4.9	4.1	1.1	11	EASTER ISLAND REGION
	02	07	12	28.3	7.031	S	12.741	W	10	G	4.6	4.4	1.2	25	ASCENSION ISLAND REGION
	02	07	48	45.7•	34.411	N	48.180	E	33	N	4.2		0.9	7	WESTERN IRAN. Felt at Nahovond, Homodan and Tuysarkan.
	02	09	15	13.6%	39.614	N	29.356	E	10	G			0.7	7	TURKEY
	02	09	54	11.0%	40.101	N	29.343	E	10	G			0.8	8	TURKEY
	02	11	43	12.9%	38.448	N	27.775	E	10	G			0.4	6	TURKEY
	02	12	29	31.7%	15.150	N	61.244	W	10	G			0.3	6	LEEWARD ISLANDS. ML 2.7 (FDF).
	02	13	23	13.6?	7.57	N	72.10	W	33	N	3.9		0.7	5	NORTHERN COLOMBIA
	02	13	35	09.8%	40.630	N	26.371	E	10	G			1.3	6	TURKEY
	02	15	26	07.7%	39.455	N	28.333	E	10	G			0.2	5	TURKEY
	02	16	43	54.8&	63.048	N	150.906	W	65					17	CENTRAL ALASKA. <AGS-P>.
a	02	16	44	51.4	4.537	S	151.941	E	145		5.3		1.0	183	NEW BRITAIN REGION
	02	17	05	32.4%	41.140	N	29.241	E	10	G			0.6	5	TURKEY

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	02	18	09	22.4	2.363	S	139.477	E	10	G	4.1		1.2	20	NEAR N. COAST OF WEST IRIAN
	02	18	10	31.4%	60.687	N	5.588	E	0	G			0.9	6	SOUTHERN NORWAY. MD 2.1 (BER). Probable explosion.
	02	18	26	39.4*	32.368	S	69.601	W	138	*	4.3		1.1	18	MENDOZA PROVINCE, ARGENTINA. Felt (II) in Mendozo Province.
	02	19	20	03.7&	37.755	N	122.138	W	3					10	CENTRAL CALIFORNIA. <BRK>. ML 2.2 (BRK). Mo=1.3*10**13 Nm (BRK). Felt at San Leandro.
	02	20	03	01.6*	5.954	S	130.565	E	151	?	4.2		1.0	14	BANDA SEA
	02	20	25	37.0&	34.707	N	96.555	W	5	G				1	OKLAHOMA. <TUL>. MD 1.9 (TUL).
	02	21	37	15.3*	37.846	N	21.695	E	49	*	3.8		1.2	26	SOUTHERN GREECE
	02	21	46	40.0	41.386	N	141.337	E	123		4.7		1.0	98	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hochinohe and (I JMA) at Aomori, Honshu.
	02	23	25	09.0*	37.125	N	32.625	W	10	G	4.6		1.0	37	AZORES ISLANDS REGION
	02	23	53	42.2&	36.312	N	120.445	W	6					16	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	03	01	21	52.6&	59.893	N	151.788	W	70					38	KENAI PENINSULA, ALASKA. <AGS-P>.
	03	01	22	54.4	42.445	N	2.473	E	10	G			1.2	10	PYRENEES. ML 3.0 (LDG).
	03	01	30	47.0*	47.730	N	12.955	E	5	G			1.4	5	AUSTRIA. ML 1.5 (KBA).
	03	02	13	00.0?	24.17	S	67.15	W	214	?			0.8	9	CHILE-ARGENTINA BORDER REGION
	03	06	12	13.0	66.013	N	150.126	W	10	G	4.4		0.8	16	ALASKA. ML 4.8 (PMR). Felt (III) at Bettles and (II) at Fairbanks.
a	03	08	15	47.2	6.356	S	148.838	E	61		5.2		1.0	115	NEW BRITAIN REGION
	03	08	57	39.6&	60.964	N	152.125	W	88					31	SOUTHERN ALASKA. <AGS-P>.
	03	09	06	24.3*	6.416	S	149.086	E	56	?	4.4		1.3	7	NEW BRITAIN REGION
	03	09	24	01.3?	10.40	N	84.21	W	116	?			0.5	9	COSTA RICA. MD 4.0 (HDC).
	03	09	33	58.4?	14.92	S	70.51	W	202	?			0.1	6	PERU
	03	10	58	56.3%	40.178	N	29.416	E	10	G			0.9	9	TURKEY
	03	11	54	29.6&	39.732	N	110.932	W	0					19	UTAH. <SLC-P>. ML 2.6 (SLC).
	03	12	36	58.2*	41.974	N	22.872	E	10	G			0.9	9	YUGOSLAVIA. ML 2.8 (SKO). Felt (IV) in the Delcevo oreo.
	03	13	25	55.6%	60.383	N	5.126	E	0	G			1.2	5	SOUTHERN NORWAY. MD 1.7 (BER). Probable explosian.
	03	14	03	41.7?	39.94	N	73.64	E	33	N	3.8		0.8	5	TAJIK-XINJIANG BORDER REGION
	03	15	00	54.2?	35.28	S	123.66	E	10	G			1.5	8	OFF SOUTH COAST OF AUSTRALIA
	03	18	08	19.4&	60.239	N	153.035	W	113					16	SOUTHERN ALASKA. <AGS-P>.
	03	20	39	09.8?	11.61	S	75.69	W	33	N			0.8	5	PERU
	03	20	46	41.7*	23.029	S	67.718	W	133	*	4.4		1.2	8	CHILE-ARGENTINA BORDER REGION
	03	22	56	16.9	35.944	N	139.814	E	93		4.4		0.6	16	NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) on Oshima and at Kumagaya and Utsunomiya; (I JMA) at Takyo, Mito, Maebashi and Ajiro.
	04	00	50	36.4	5.365	N	95.016	E	76		4.9		0.8	40	NORTHERN SUMATERA
	04	03	27	14.2?	47.44	N	1.45	W	10	G			0.5	5	FRANCE. ML 2.6 (LDG).
	04	03	28	40.5	38.727	N	7.870	W	10	G			1.0	40	PORTUGAL. MG 4.3 (MTH). Felt (V) at Evora, (IV) at Beja and (III) at Lisbon and Setubol.
	04	03	33	06.5*	32.566	S	122.409	E	10	G			1.3	7	WESTERN AUSTRALIA
	04	03	38	19.3	38.410	N	8.047	W	10	G			0.9	10	PORTUGAL. MG 3.5 (MTH). Felt (V) at Evora, (IV) at Beja and (III) at Lisbon and Setubal.
	04	06	31	53.8	40.751	N	27.571	E	10	G			1.5	7	TURKEY
	04	09	54	51.9%	39.618	N	29.385	E	10	G			1.0	8	TURKEY
	04	10	35	07.4?	2.17	N	96.93	W	10	G	4.9		1.1	10	WEST OF GALAPAGOS ISLANDS
	04	11	16	07.0	8.762	S	119.321	E	125	*	4.6		1.5	18	FLORES ISLAND REGION
	04	11	53	10.5*	39.244	N	24.791	E	5	G			1.2	7	AEGEAN SEA. ML 3.1 (ATH).
	04	12	00	59.8%	39.574	N	29.381	E	10	G			0.8	6	TURKEY
	04	12	45	20.4	7.995	S	156.214	E	41	*	4.7		1.1	31	SOLOMON ISLANDS
	04	12	52	14.7	63.460	N	151.495	W	33	N	4.0		1.2	11	CENTRAL ALASKA. ML 3.9 (PMR).
	04	13	23	34.0	0.811	N	27.338	W	10	G	4.9	4.5	1.1	34	CENTRAL MID-ATLANTIC RIDGE
	04	16	45	41.6*	9.490	S	111.164	E	33	N	4.7		1.4	10	SOUTH OF JAVA
	04	18	10	24.1*	19.947	N	94.625	E	33	N			0.3	7	BURMA
	04	18	45	06.9*	10.022	S	28.262	E	10	G	3.9		0.8	7	ZAIRE REPUBLIC
	04	22	59	19.3&	59.992	N	153.367	W	138					31	SOUTHERN ALASKA. <AGS-P>.
	04	23	37	11.0*	39.782	N	142.910	E	48	*	4.7		0.9	28	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Miyako.
a	04	23	45	41.9	4.615	S	101.960	E	43	D	5.5	5.8	1.3	106	SOUTHERN SUMATERA
	04	23	48	11.4	19.965	S	178.344	W	619		5.2		0.9	107	FIJI ISLANDS REGION
	05	00	04	40.4&	62.986	N	150.492	W	129					39	CENTRAL ALASKA. <AGS-P>.
	05	00	08	20.5*	39.729	N	142.820	E	59	*	4.9	5.5	1.0	53	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Morioka and Miyako.
	05	00	20	43.7*	5.811	S	151.071	E	62	?	4.2		1.5	9	NEW BRITAIN REGION
	05	00	21	10.9*	10.462	S	119.745	E	33	N	4.7		0.9	10	SUMBA ISLAND REGION
a	05	00	34	18.2	49.115	S	127.297	E	10	G	5.2	5.0	1.4	42	SOUTH OF AUSTRALIA
	05	01	13	44.5	36.999	N	4.090	W	5	G			1.5	11	STRAIT OF GIBRALTAR
	05	01	17	30.6*	6.271	S	131.133	E	33	N			1.3	8	TANIMBAR ISLANDS REGION
	05	01	32	57.4	51.159	N	179.350	E	33	N	4.8		1.1	52	RAT ISLANDS, ALEUTIAN ISLANDS
	05	02	29	53.4&	63.358	N	151.781	W	84					28	CENTRAL ALASKA. <AGS-P>.
	05	02	46	02.1	50.914	N	150.962	E	396	?	4.4		0.8	46	NORTHWEST OF KURIL ISLANDS
	05	03	14	35.4	32.402	S	70.041	W	124		4.4		0.8	29	CHILE-ARGENTINA BORDER REGION. Felt (II) at Santiago, Chile.
	05	04	15	14.8&	37.255	N	121.670	W	5					13	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	05	04	49	38.5	6.127	S	105.960	E	132		5.0		1.1	51	SUNDA STRAIT
	05	04	59	58.3	41.584	N	88.737	E	0	G	6.2	4.4	0.9	438	SOUTHERN XINJIANG, CHINA
	05	05	11	05.6%	36.484	N	5.593	W	10	G			1.5	7	STRAIT OF GIBRALTAR
	05	06	06	42.9?	16.87	S	71.41	W	10	G			2.0	4	SOUTHERN PERU. Felt (III) at Arequipa.
	05	07	24	17.4	32.531	S	71.741	W	33	N	4.6		0.8	20	NEAR COAST OF CENTRAL CHILE. Felt (II) at Santiago.
	05	11	11	48.6%	38.346	N	28.019	E	10	G			0.9	5	TURKEY
	05	11	17	48.1%	40.473	N	28.991	E	10	G			0.7	8	TURKEY
	05	12	24	40.7?	19.33	N	95.10	E	33	N			1.2	7	BURMA
	05	13	51	54.5%	39.245	N	27.710	E	10	G			1.2	6	TURKEY
	05	14	05	28.2	5.897	S	147.722	E	116	*	4.9		1.0	16	EAST PAPUA NEW GUINEA REGION
	05	14	45	06.3%	39.894	N	30.109	E	10	G			0.7	8	TURKEY
a	05	16	23	16.9	11.574	N	141.641	E	33	N	5.3	5.1	1.1	96	WEST CAROLINE ISLANDS. Ms 5.0 (BRK).
	05	18	08	15.0	6.066	S	148.114	E	69	*	4.5		1.3	12	NEW BRITAIN REGION
	05	18	11	00.5&	59.958	N	152.590	W	98					29	SOUTHERN ALASKA. <AGS-P>.
	05	18	43	52.5&	62.028	N	151.386	W	86					19	CENTRAL ALASKA. <AGS-P>.
	05	18	46	46.1	40.361	N	23.971	E	5	G			1.1	13	GREECE
	05	20	13	38.7?	7.36	S	129.78	E	224	?	4.3		0.1	5	BANDA SEA
a	05	21	25	11.2	5.381	N	127.534	E	45		5.5	5.7	1.3	177	PHILIPPINE ISLANDS REGION. Ms 5.7 (BRK).

a	05	22	00	03.1	5.265	N	127.513	E	47		5.4	5.4	1.2	181	PHILIPPINE ISLANDS REGION
a	05	22	50	47.1	5.333	N	127.397	E	69		5.0		1.2	103	PHILIPPINE ISLANDS REGION
	05	23	16	25.9?	7.81	S	128.59	E	151	?	4.4		1.5	9	BANDA SEA
	06	00	13	06.3	44.707	N	111.303	W	5	G			0.5	8	HEBGEN LAKE REGION. ML 3.4 (BUT).
	06	02	24	46.8*	33.246	S	179.315	W	47	*	4.9		1.3	20	SOUTH OF KERMADEC ISLANDS
	06	02	32	03.8*	44.937	N	149.788	E	33	N	4.6		0.9	19	KURIL ISLANDS
	06	02	37	07.0	49.859	N	78.108	E	0	G	5.3		0.8	192	EASTERN KAZAKH SSR
	06	03	14	24.4	30.555	N	79.267	E	33	N	4.7		1.0	25	TIBET-INDIA BORDER REGION
	06	03	37	22.4?	43.52	N	13.99	E	10	G			0.8	15	CENTRAL ITALY. ML 3.8 (LDG).
	06	04	47	33.8%	44.125	N	6.045	E	10	G			0.8	11	FRANCE. ML 2.9 (LDG).
	06	05	20	44.6?	24.16	S	69.03	W	101	?			0.8	7	NORTHERN CHILE
	06	06	25	08.5	3.155	S	80.873	W	42	D	4.6		1.0	29	PERU-ECUADOR BORDER REGION
	06	07	03	35.1?	3.07	N	121.85	E	601	*	4.7		0.9	20	CELEBES SEA
	06	07	14	55.9*	0.185	S	125.433	E	33	N	4.8		1.1	14	MOLUCCA SEA
	06	08	10	15.9?	51.50	N	174.43	W	33	N	4.8		0.7	8	ANDREANOF ISLANDS, ALEUTIAN IS.
	06	08	18	22.7*	29.291	S	68.578	W	111	?	4.7		1.3	11	SAN JUAN PROVINCE, ARGENTINA
	06	08	39	47.7	15.875	N	147.179	E	41	*	5.3	4.6	0.9	130	MARIANA ISLANDS REGION
	06	09	11	48.5?	11.16	N	85.59	W	33	N			0.7	5	NICARAGUA. MD 4.2 (HDC).
	06	11	02	41.5	30.470	N	79.202	E	44	*	4.9		0.9	44	TIBET-INDIA BORDER REGION
	06	12	01	49.6*	35.743	N	136.844	E	10	G			0.6	5	SOUTHERN HONSHU, JAPAN
	06	12	21	56.0	30.446	N	103.014	E	33	N	4.2		0.8	8	SICHUAN PROVINCE, CHINA
	06	12	39	31.3	44.247	N	110.773	W	5	G	4.2		0.8	15	YELLOWSTONE NATIONAL PARK, WYO. ML 4.0 (NEIS). Double event. Magnitude computation for second ond lorger event occurring obout 40 seconds ofter initial event. Felt (IV) ot Grant Village, Old Foithful, Shoshone Lake and Teton Villoge; (III) at West Thumb; (II) ot Madison Junction ond Sauth Entrance. Also felt (III) ot Island Pork, Idaho.
	06	12	48	00.0*	50.822	N	179.785	W	33	N	4.8		1.5	38	ANDREANOF ISLANDS, ALEUTIAN IS.
	06	13	04	40.6	19.081	S	69.314	W	154	*			1.1	16	NORTHERN CHILE
	06	13	22	07.4*	10.854	N	126.320	E	33	N	4.8		1.0	9	PHILIPPINE ISLANDS REGION
	06	13	23	45.1	51.360	N	174.500	W	33	N	5.0		0.8	80	ANDREANOF ISLANDS, ALEUTIAN IS.
	06	15	43	55.3*	57.708	S	142.509	W	10	G	5.4	5.6	0.8	15	SOUTH PACIFIC CORDILLERA
	06	16	13	32.5?	8.53	S	128.50	E	209	?	4.1		1.3	6	TIMOR SEA
	06	16	56	56.6	44.209	N	110.797	W	5	G			0.4	12	YELLOWSTONE NATIONAL PARK, WYO. ML 3.5 (NEIS). Felt (III) ot Old Faithful and Gront Villoge.
	06	17	59	59.3?	21.75	S	138.89	W	0	G	4.7		0.8	13	TUAMOTU ARCHIPELAGO REGION
	06	18	37	39.5*	6.760	S	128.733	E	33	N	4.5		1.5	12	BANDA SEA
f	06	18	40	27.4	10.672	N	126.115	E	14	G	5.7	6.3	1.2	228	PHILIPPINE ISLANDS REGION. Ms 6.2 (BRK). Felt (II RF) at Cagoyon de Oro. Depth from broodbond displacement seismograms.
	06	18	56	16.4%	60.695	N	5.646	E	0	G			0.8	7	SOUTHERN NORWAY. MD 2.0 (BER). Probable explosion.
	06	19	18	28.9?	10.71	N	126.35	E	33	N			1.4	7	PHILIPPINE ISLANDS REGION
	06	20	04	34.0%	40.366	N	25.980	E	10	G			1.0	5	AEGEAN SEA
	06	20	05	48.3%	40.045	N	26.521	E	10	G			0.8	5	TURKEY
	06	20	13	32.8	29.490	S	69.633	W	110		5.0		0.9	37	CHILE-ARGENTINA BORDER REGION
	06	22	54	52.7*	37.695	N	14.067	E	57	*	3.7		1.5	25	SICILY
	07	00	27	09.4	51.200	N	179.190	W	33	N	4.7		0.7	50	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	00	32	44.6*	6.476	S	147.827	E	33	N	4.5		0.8	11	EAST PAPUA NEW GUINEA REGION
	07	01	49	29.8	10.724	N	126.174	E	55	?	4.9		1.2	32	PHILIPPINE ISLANDS REGION
	07	02	27	14.0*	5.505	N	127.469	E	95	?	4.4		1.2	12	PHILIPPINE ISLANDS REGION
	07	02	38	20.3*	5.408	N	127.410	E	33	N	4.6		1.2	15	PHILIPPINE ISLANDS REGION
	07	02	42	18.6*	2.333	N	126.845	E	33	N	4.6		1.4	21	MOLUCCA PASSAGE
	07	03	06	38.4	10.783	N	126.157	E	48	*	4.9	4.1	1.3	64	PHILIPPINE ISLANDS REGION
	07	03	18	08.0%	40.684	N	29.192	E	10	G			0.5	6	TURKEY
	07	04	26	24.3	39.462	N	118.144	E	33	N	4.1		0.7	6	NORTHEASTERN CHINA. ML 4.5 (BJI).
	07	04	45	01.6	16.622	S	177.371	W	428		4.7		0.9	94	FIJI ISLANDS REGION
	07	05	22	04.5?	6.43	S	148.94	E	66	?	4.0		0.3	5	NEW BRITAIN REGION
f	07	05	49	43.6	20.429	N	121.366	E	15	G	5.8	6.1	0.9	379	PHILIPPINE ISLANDS REGION. Ms 6.0 (BRK). Depth from broadband displacement seismograms.
	07	07	35	24.3&	35.165	N	95.280	W	5	G				3	OKLAHOMA. <TUL>. MD 1.5 (TUL).
	07	08	13	48.3*	52.513	N	176.511	E	33	N			0.9	8	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.1 (PMR).
	07	08	55	36.0&	49.750	N	127.050	W	38		4.0			20	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.8 (PGC). Felt on the north coast of Vancouver Island from Nutka Island to Port McNeill.
	07	09	04	21.0?	13.42	S	75.02	W	33	N			1.2	5	PERU
	07	09	15	31.8	10.673	N	126.112	E	62	*	5.0		1.1	64	PHILIPPINE ISLANDS REGION
	07	09	15	53.7&	32.640	N	115.880	W	14					8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	07	10	02	10.0	10.706	N	126.285	E	50	?	4.9		1.3	42	PHILIPPINE ISLANDS REGION
	07	12	54	05.9*	35.422	N	136.832	E	33	N			0.3	5	SOUTHERN HONSHU, JAPAN. Felt (I JMA) ot Nogoya.
	07	13	26	26.5	6.556	S	147.747	E	42	*	4.1		0.9	12	EAST PAPUA NEW GUINEA REGION
	07	13	27	57.8	6.670	S	147.620	E	70	*	5.0		1.1	31	EAST PAPUA NEW GUINEA REGION
a	07	13	30	15.9	16.827	N	98.690	W	41		5.5	4.8	1.0	159	NEAR COAST OF GUERRERO, MEXICO. Ms 5.0 (BRK). Felt at Acopulco and Mexico City.
	07	13	44	34.4%	40.103	N	29.376	E	10	G			0.5	7	TURKEY
a	07	14	48	49.9	0.378	S	19.076	W	10	G	5.0	5.2	1.0	147	CENTRAL MID-ATLANTIC RIDGE
	07	15	18	04.8*	1.676	S	77.741	W	183	?	4.3		1.1	24	ECUADOR
	07	16	26	54.9*	13.396	N	89.530	W	67	D	4.1		1.3	17	EL SALVADOR
	07	17	21	46.5*	32.317	S	68.584	W	33	N			1.3	7	MENDOZA PROVINCE, ARGENTINA
	07	17	27	59.5?	5.37	N	127.58	E	76	?	3.7		0.8	9	PHILIPPINE ISLANDS REGION
	07	18	37	00.8	43.369	N	20.961	E	10	G			0.9	10	YUGOSLAVIA. ML 2.6 (TTG).
	07	21	07	58.5?	37.17	N	21.99	E	33	N	3.4		1.3	5	SOUTHERN GREECE. ML 3.0 (ATH).
	07	21	24	16.9&	38.823	N	122.845	W	2	G				18	NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=5.9*10**14 Nm (BRK). Felt (IV) at Cobb and Middletown.
	07	21	31	36.1%	48.181	N	1.286	W	10	G			0.6	5	FRANCE. ML 2.9 (LDG).
	07	21	32	33.7	40.184	N	29.772	E	10	G			0.8	15	TURKEY
	07	22	48	06.2	10.562	N	126.307	E	33	N	5.0		1.1	62	PHILIPPINE ISLANDS REGION
	07	22	48	19.3	10.664	N	126.206	E	33	N	5.3	4.8	1.1	49	PHILIPPINE ISLANDS REGION
	07	23	05	52.6*	40.737	N	29.804	E	10	G			0.3	7	TURKEY
	07	23	26	13.3*	38.412	N	74.179	E	91	?	4.6		1.1	14	TAJIK-XINJIANG BORDER REGION
	08	01	31	12.5*	8.346	S	112.726	E	162	*	4.1		1.0	11	JAVA
	08	01	37	32.8*	30.725	S	69.561	W	33	N			1.2	12	CHILE-ARGENTINA BORDER REGION
	08	01	42	43.0?	37.36	N	71.17	E	33	N	4.3		1.4	9	AFGHANISTAN-USSR BORDER REGION

	08	03	11	35.7•	32.588	S	178.815	W	33	N			0.7	13	SOUTH OF KERMADEC ISLANDS
	08	05	40	47.4•	27.792	S	26.425	E	5	G			1.5	10	REPUBLIC OF SOUTH AFRICA. MG 4.1 (BUL).
	08	06	10	24.1?	15.76	S	174.90	W	323	?	4.4		0.6	15	TONGA ISLANDS
	08	09	31	29.3	44.122	N	7.156	E	10	G			0.9	17	NORTHERN ITALY. ML 2.9 (LDG).
	08	11	00	44.8	10.602	N	126.139	E	33	N	5.1		1.0	37	PHILIPPINE ISLANDS REGION
	08	11	35	38.9	10.567	N	126.337	E	33	N	4.8		1.3	41	PHILIPPINE ISLANDS REGION
	08	12	29	38.9&	33.770	N	118.200	W	15					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt (IV) at Artesia, Huntington Beach, Long Beach, Los Alamitas, Maywood, Paramount, Seal Beach and Wilmington. Felt in Los Angeles and Orange Counties.
	08	13	21	55.5	33.075	S	68.072	W	33	N			0.8	14	MENDOZA PROVINCE, ARGENTINA. Felt (III) at Mendoza.
a	08	13	30	32.8	39.754	N	74.615	E	10	G	5.1	4.3	1.0	163	SOUTHERN XINJIANG, CHINA
	08	15	58	31.8	38.736	N	22.472	E	10	G			0.6	14	GREECE. ML 2.8 (ATH).
	08	16	16	56.4	34.719	N	135.123	E	10	G			0.3	7	NEAR S. COAST OF SOUTHERN HONSHU. Felt (I JMA) at Osaka and Kyoto.
	08	19	01	16.0&	60.152	N	152.564	W	82					26	SOUTHERN ALASKA. <AGS-P>.
	08	19	13	14.9•	51.655	N	174.867	W	33	N	4.9		0.7	14	ANDREANOF ISLANDS, ALEUTIAN IS.
	08	19	14	01.9%	43.250	N	8.137	E	10	G			0.1	5	CORSICA. ML 2.7 (LDG).
	08	21	04	02.7•	51.254	N	15.885	E	10	G			0.7	9	POLAND. ML 3.0 (VKA).
	08	21	45	06.1•	11.140	N	126.300	E	33	N	4.6		0.8	8	PHILIPPINE ISLANDS REGION
	08	21	57	07.0%	46.294	N	1.901	E	10	G			0.5	10	FRANCE. ML 2.2 (LDG).
	08	22	13	42.0	43.751	N	20.446	E	22				1.1	41	YUGOSLAVIA. MD 3.3 (TTG). ML 2.9 (SKO).
	08	22	18	32.2&	59.977	N	151.028	W	58					31	KENAI PENINSULA, ALASKA. <AGS-P>.
	08	22	25	42.9	6.407	S	148.983	E	58	•	4.9	4.3	1.4	28	NEW BRITAIN REGION
	09	02	14	43.6	6.149	S	146.831	E	71	•	4.4		1.3	20	EAST PAPUA NEW GUINEA REGION
	09	02	39	00.4?	8.85	S	121.54	E	33	N	4.7		1.3	6	FLORES ISLAND REGION
	09	03	40	24.9&	37.260	N	121.675	W	5					11	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	09	04	32	33.4	45.680	N	27.268	E	39	•			0.8	12	ROMANIA
a	09	06	19	25.4	6.366	S	148.832	E	54		5.3	6.2	1.3	175	NEW BRITAIN REGION. Ms 6.3 (BRK).
	09	06	55	49.3%	37.737	N	14.736	E	10	G			0.7	7	SICILY
	09	07	42	03.9?	38.04	N	26.08	W	10	G			0.3	6	AZORES ISLANDS
	09	07	52	42.0•	38.783	N	22.524	E	10	G			0.5	5	GREECE. ML 3.5 (ATH).
	09	09	32	12.9•	4.371	S	152.739	E	45	•	4.6		1.3	9	NEW BRITAIN REGION
	09	11	00	29.1	6.423	S	148.926	E	50	•	4.7	4.4	1.3	23	NEW BRITAIN REGION
	09	11	14	38.3&	59.356	N	152.848	W	85					36	SOUTHERN ALASKA. <AGS-P>.
	09	12	53	02.1?	33.40	S	70.74	W	33	N			1.5	10	CHILE-ARGENTINA BORDER REGION
	09	13	20	00.9	10.615	N	126.288	E	33	N	4.1	3.9	1.3	41	PHILIPPINE ISLANDS REGION
	09	14	15	58.6	26.455	S	27.408	E	5	G			1.3	9	REPUBLIC OF SOUTH AFRICA. MG 3.8 (BUL).
	09	14	24	24.0?	14.23	S	172.28	W	70	D	4.5		1.1	13	SAMOA ISLANDS
	09	15	10	01.4•	33.084	N	136.944	E	400		4.0		0.7	16	NEAR S. COAST OF SOUTHERN HONSHU
	09	15	37	19.1?	17.65	N	98.54	W	129	?	4.2		0.2	5	GUERRERO, MEXICO. Felt at Acapulco and other places along the Pacific coast.
	09	15	54	18.0•	43.252	N	13.981	E	10	G			0.7	7	CENTRAL ITALY
	09	17	32	43.2&	61.678	N	147.425	W	28					42	SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR). Felt (II) at Anchorage.
a	09	18	39	16.9	12.752	N	44.537	W	10	G	4.9	5.1	1.0	123	NORTH ATLANTIC RIDGE. Ms 5.2 (BRK).
	09	18	42	37.2•	12.759	S	76.130	W	87		5.1		1.4	20	NEAR COAST OF PERU. Minor damage at Chincha. Also felt at Lima.
	09	19	52	21.4%	36.476	N	5.432	W	10	G			1.2	5	STRAIT OF GIBRALTAR
	09	20	48	20.5	6.817	S	154.488	E	33	N	4.8		1.0	30	SOLOMON ISLANDS
	09	21	21	38.5•	35.935	N	70.126	E	105	?	4.7		1.1	20	HINDU KUSH REGION
	09	21	41	19.7	3.332	S	152.409	E	33	N	4.8		1.1	15	NEW IRELAND REGION
	09	21	50	49.6•	6.534	S	148.909	E	59	?	4.0		1.4	7	NEW BRITAIN REGION
	09	22	22	55.0•	3.492	N	126.656	E	66	?	4.6		1.1	14	TALAUD ISLANDS
a	09	22	25	50.8	3.524	N	126.706	E	55	•	5.1	4.4	1.1	52	TALAUD ISLANDS
a	09	22	46	11.5	35.278	S	106.666	W	10	G	5.4	5.1	1.2	69	EASTER ISLAND CORDILLERA. Ms 5.2 (BRK).
	09	23	04	05.6	54.801	N	163.559	E	44	D	4.8		0.8	52	OFF EAST COAST OF KAMCHATKA
	10	00	11	42.8?	13.64	S	164.29	E	33	N	4.7		1.2	12	VANUATU ISLANDS REGION
	10	01	43	08.1	2.823	S	138.955	E	33	N	4.7		1.4	26	WEST IRIAN
	10	01	44	41.8&	59.306	N	152.352	W	61		4.6			85	SOUTHERN ALASKA. <AGS-P>.
	10	01	55	52.2	13.018	S	74.907	W	33	N			1.0	10	PERU
a	10	01	56	37.9	2.766	S	138.952	E	35	D	5.2	5.1	1.2	65	WEST IRIAN
	10	03	15	42.2•	23.667	N	94.490	E	33	N	4.5		1.1	7	BURMA-INDIA BORDER REGION
	10	03	34	05.8•	3.556	N	126.815	E	77	•	4.9		0.9	17	TALAUD ISLANDS
	10	04	02	34.7?	10.24	N	85.87	W	33	N			0.3	8	COSTA RICA. MD 4.0 (HDC). Felt.
	10	06	10	54.4&	31.360	N	115.490	W	6					3	BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	10	06	19	38.3?	6.33	N	126.58	E	33	N	4.8		0.6	6	MINDANAO, PHILIPPINE ISLANDS
	10	10	01	53.6?	17.11	N	98.57	W	72	•	3.8		1.2	12	GUERRERO, MEXICO
	10	10	05	22.5	46.183	N	7.774	E	10	G			0.9	17	SWITZERLAND. ML 2.9 (LDG).
	10	12	41	10.2	60.598	S	26.556	W	33	N	5.4		0.9	35	SOUTH SANDWICH ISLANDS REGION
	10	14	09	42.7	46.035	N	14.777	E	10	G			0.7	7	YUGOSLAVIA. MD 2.8 (LJU), 2.4 (TRI).
	10	14	47	05.8•	43.514	N	19.782	E	10	G			1.4	10	YUGOSLAVIA. ML 2.7 (TTG).
a	10	14	50	11.5	37.230	N	21.465	E	41		5.2	5.1	1.3	267	SOUTHERN GREECE. Felt an much of Peloponnisas.
	10	15	05	44.6•	39.752	N	144.121	E	33	N	4.5		1.4	8	OFF EAST COAST OF HONSHU, JAPAN
a	10	16	03	55.1	4.135	N	94.810	E	52		5.4	5.3	0.9	245	OFF W COAST OF NORTHERN SUMATERA. Felt (V) at Banda Aceh.
	10	16	06	35.1•	23.978	S	39.059	E	33	N	4.6		0.6	9	MOZAMBIQUE CHANNEL
	10	17	25	56.7	8.167	N	93.693	E	90		4.8		0.9	66	NICOBAR ISLANDS REGION
	10	19	20	21.2•	40.235	N	19.907	E	10	G			1.3	7	ALBANIA
a	10	19	51	30.3	60.167	S	26.954	W	33	N	5.6	6.1	1.2	70	SOUTH SANDWICH ISLANDS REGION. Ms 6.1 (BRK).
	10	20	26	02.1	40.274	N	19.919	E	10	G			0.8	6	ALBANIA
	10	22	02	27.6	37.602	N	118.426	W	5	G			0.7	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (PAS).
	10	22	16	23.8	36.672	N	21.364	E	103	?			0.5	13	SOUTHERN GREECE
	10	22	41	49.6•	6.727	S	154.704	E	33	N	4.7		0.8	12	SOLOMON ISLANDS. Felt (III) at Panguna, Bougainville.
	10	23	48	54.8&	38.713	N	87.954	W	10		4.9	4.4		173	SOUTHERN INDIANA. <SLM-P>. mbLg 5.1 (SLM), Ms 4.6 (BRK). One person injured and minor damage (VI) at Lawrenceville, Illinois. Minor damage also reported at Bridgeport, Mt. Carmel and Olney, Illinois; Bloomfield and New Albany, Indiana; and Louisville, Kentucky. Felt in parts of 21 states from Kansas to Pennsylvania and from South Carolina to Minnesota. Also felt in southern Ontario, Canada.
	11	01	51	07.5•	21.962	S	70.265	W	33	N			1.4	9	NEAR COAST OF NORTHERN CHILE

a	11	05	08	53.2	20.559	S	70.855	W	33	N	5.1	4.3	1.4	88	NEAR COAST OF NORTHERN CHILE
	11	05	28	57.5	36.379	N	26.542	E	144		4.2		1.0	41	DODECANESE ISLANDS
	11	05	45	49.3?	37.54	N	42.67	E	10	G			1.2	5	TURKEY
	11	06	14	23.4*	45.600	N	150.184	E	114	?	4.7		1.0	49	KURIL ISLANDS
	11	07	00	31.4*	36.150	N	140.074	E	66		4.1		0.7	8	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Utsunamiya and Mito; (I JMA) at Kumagaya.
	11	07	32	49.1?	31.85	S	69.71	W	33	N			1.1	8	SAN JUAN PROVINCE, ARGENTINA
	11	09	06	48.0*	51.491	N	6.623	E	10	G			0.7	6	GERMANY
	11	10	41	56.2	19.995	S	133.696	E	10	G			0.9	16	NORTHERN TERRITORY, AUSTRALIA
	11	11	05	09.9?	36.52	S	72.42	W	33	N			0.5	11	NEAR COAST OF CENTRAL CHILE. Felt (II) at Talca.
	11	11	27	04.8	42.208	N	19.940	E	10	G			1.3	6	YUGOSLAVIA. MD 2.2 (TTG).
	11	12	08	42.8	28.842	N	105.033	E	40	*	4.8		1.3	22	SICHUAN PROVINCE, CHINA
	11	14	22	39.2*	28.284	S	67.474	W	140	?			1.1	16	LA RIOJA PROVINCE, ARGENTINA
	11	17	07	32.1*	10.960	S	123.743	E	123	?			1.4	12	TIMOR
	11	17	29	23.8	26.177	N	93.524	E	33	N	4.4		1.3	24	EASTERN INDIA
	11	18	52	19.7*	2.795	S	76.545	W	122	*	4.6		1.3	25	PERU-ECUADOR BORDER REGION
	11	19	50	15.3	46.821	N	120.589	W	5	G			0.7	7	WASHINGTON. ML 3.0 (NEIS).
	11	22	46	51.3*	32.209	N	71.978	E	33	N	3.7		0.3	6	PAKISTAN
	11	23	47	43.6*	14.155	N	91.426	W	65	D	4.5		1.2	27	GUATEMALA. Felt (III) in southern Guatemala.
	11	23	48	33.2*	1.530	N	126.080	E	45	?	5.2		1.5	19	MOLUCCA PASSAGE
	12	00	03	10.6*	37.252	N	21.195	E	73	*	3.4		1.3	14	SOUTHERN GREECE
	12	03	28	33.8&	60.509	N	153.004	W	139					29	SOUTHERN ALASKA. <AGS-P>.
	12	04	06	11.6&	36.838	N	121.597	W	3					14	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	12	04	44	52.6?	42.41	N	0.00	E	10	G			1.4	9	PYRENEES. ML 3.0 (LDG).
	12	05	43	29.2&	37.305	N	121.887	W	10					21	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=1.7*10**14 Nm (BRK). Felt (IV) at Campbell and New Almaden; (III) at Redwood Estates and Santa Clara. Also felt at Los Gatos and San Jose.
	12	06	06	02.6*	38.991	N	22.956	E	10	G			0.9	6	GREECE. ML 3.2 (ATH).
	12	06	47	26.3*	10.505	N	126.399	E	33	N	4.3		1.2	22	PHILIPPINE ISLANDS REGION
	12	07	35	34.8*	33.826	S	71.781	W	22	*	3.6		1.2	14	NEAR COAST OF CENTRAL CHILE
	12	07	51	03.4*	15.073	S	173.790	W	33	N	5.0	4.9	1.0	50	TONGA ISLANDS. Ms 5.0 (BRK).
	12	07	57	56.5	35.478	N	3.527	W	26				1.2	20	STRAIT OF GIBRALTAR
	12	08	17	54.9*	10.715	N	126.311	E	33	N			0.7	8	PHILIPPINE ISLANDS REGION
	12	08	51	00.3?	4.96	N	125.26	E	81	?	4.5		1.5	7	TALAUD ISLANDS
	12	09	08	53.8*	17.479	S	69.662	W	161	?			1.3	8	PERU-BOLIVIA BORDER REGION
a	12	09	51	01.6	25.454	N	122.154	E	273		5.4		0.9	294	TAIWAN REGION
	12	09	58	56.8	6.672	S	71.800	E	10	G	5.0		1.1	92	CHAGOS ARCHIPELAGO REGION
	12	10	10	34.0%	60.373	N	5.154	E	0	G			0.9	5	SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion.
	12	11	04	34.6*	24.078	N	125.092	E	31	*	4.8		1.3	14	SOUTHWESTERN RYUKYU ISLANDS
	12	11	52	58.2*	49.416	N	7.506	E	10	G			1.2	11	GERMANY. ML 3.0 (LDG).
a	12	13	06	50.3	49.649	S	117.337	E	10	G	5.1	5.4	1.0	88	SOUTH OF AUSTRALIA
	12	14	22	22.0	42.711	N	19.122	E	11				1.0	20	YUGOSLAVIA. MD 3.1 (TTG). Felt (III) in the Danilovgrad-Titograd-Niksic area.
	12	14	26	09.5?	4.21	S	102.53	E	94	?	4.9		1.3	15	SOUTHERN SUMATERA
	12	15	49	12.2?	43.14	N	25.19	E	10	G			1.3	5	BULGARIA
	12	16	32	05.2%	37.246	N	2.337	W	10	G			0.6	5	SPAIN
	12	16	58	53.7%	59.727	N	5.627	E	10	G			0.4	7	SOUTHERN NORWAY. MD 1.8 (BER).
a	12	18	01	33.6	5.364	S	150.311	E	217		5.2		1.0	74	NEW BRITAIN REGION
	12	18	11	19.8&	59.576	N	152.875	W	100					31	SOUTHERN ALASKA. <AGS-P>.
	12	18	15	56.1?	11.55	S	40.26	E	10	G			0.6	5	MOZAMBIQUE
	12	18	52	23.6*	53.755	N	167.059	W	33	N	4.1		1.1	10	FOX ISLANDS, ALEUTIAN ISLANDS
	12	20	30	52.5&	62.537	N	151.294	W	95					24	CENTRAL ALASKA. <AGS-P>.
	12	20	51	21.8*	12.187	N	143.618	E	21	*	4.7		1.0	19	SOUTH OF MARIANA ISLANDS
	12	21	37	18.7*	56.206	N	160.621	E	33	N	4.7		1.3	16	KAMCHATKA
	12	22	04	35.3*	9.934	S	124.557	E	33	N	4.4		1.1	8	TIMOR
	12	23	47	27.2	46.979	N	0.458	E	10	G			1.1	14	FRANCE. ML 2.5 (LDG).
	13	00	30	38.2?	46.18	N	6.70	E	10	G			0.8	6	SWITZERLAND. ML 2.4 (LDG).
	13	01	10	46.1*	15.617	S	175.315	W	33	N	5.1	5.0	1.4	57	TONGA ISLANDS
	13	07	36	40.7*	1.279	S	15.930	W	10	G	4.7		0.9	14	NORTH OF ASCENSION ISLAND
	13	08	58	04.3	2.449	S	138.670	E	44	*	5.4	4.4	1.2	97	WEST IRIAN
a	13	10	40	16.8	19.706	S	179.807	W	488		5.3		1.0	188	FIJI ISLANDS REGION
	13	11	19	39.7	53.768	N	167.048	W	33	N	4.5		1.1	53	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.3 (PMR).
	13	11	44	21.5%	42.792	N	23.955	E	10	G			1.4	5	BULGARIA
	13	12	06	13.9?	44.71	N	6.76	E	10	G			1.0	5	FRANCE. ML 2.1 (LDG).
	13	12	07	47.6?	36.99	N	21.65	E	10	G			0.6	10	SOUTHERN GREECE. ML 3.2 (ATH).
	13	13	06	55.9?	28.45	N	54.94	E	33	N	3.9		1.2	9	SOUTHERN IRAN
	13	13	09	22.8&	60.739	N	147.528	W	33	N				49	SOUTHERN ALASKA. <AGS-P>. ML 4.1 (PMR). Felt (III) at Anchorage.
a	13	14	00	39.3	44.671	N	150.392	E	42	G	5.8	5.8	1.0	304	KURIL ISLANDS REGION. Depth from broadband displacement seismograms.
	13	14	11	06.2%	60.700	N	5.621	E	0	G			0.5	7	SOUTHERN NORWAY. MD 2.0 (BER). Probable explosion.
a	13	15	41	10.8	44.625	N	150.387	E	44	D	5.6	5.4	1.0	197	KURIL ISLANDS REGION
	13	15	43	22.0	10.460	N	126.361	E	42	D	4.9	4.6	1.1	44	PHILIPPINE ISLANDS REGION. Felt (I RF) at Palo, Leyte.
	13	19	45	47.4?	38.62	N	142.33	E	33	N			0.6	5	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Ishinomaki and Ofunato.
	13	21	17	12.8	36.605	N	89.686	W	5	G			0.7	20	NEW MADRID, MISSOURI REGION. mbLg 4.1 (NEIS), 4.1 (TUL). Felt (IV) at Marley, Matthews, New Madrid, Portageville and Sikeston. Also felt (IV) at Wynnburg, Tennessee. Felt in parts of Missouri, Arkansas, Illinois, Kentucky and Tennessee.
	13	21	59	52.3?	44.98	N	150.12	E	33	N	4.7		1.3	29	KURIL ISLANDS REGION
	13	23	06	00.7	38.794	N	22.398	E	10	G			0.6	6	GREECE. ML 3.1 (ATH).
	14	00	09	01.2	43.432	N	19.850	E	10	G			1.2	20	YUGOSLAVIA. ML 2.7 (TTG).
	14	00	48	22.8%	46.260	N	1.797	E	10	G			1.0	7	FRANCE. ML 1.7 (LDG).
	14	02	41	18.3*	45.358	N	14.665	E	10	G			0.3	6	YUGOSLAVIA. MD 2.7 (VOY).
	14	03	07	19.4?	23.86	N	121.85	E	33	N			1.5	9	TAIWAN
	14	04	25	14.2*	45.117	N	14.845	E	10	G			1.2	8	YUGOSLAVIA. MD 3.1 (VOY), 2.8 (LJU), 2.7 (TRI). Felt at Senj.
	14	04	53	20.4*	10.463	N	126.070	E	55	?	4.5	4.0	1.2	26	PHILIPPINE ISLANDS REGION
	14	05	04	33.8	35.487	S	179.585	W	33	N	5.4	5.8	1.3	31	EAST OF NORTH ISLAND, N.Z.
a	14	05	07	26.8	10.429	N	126.147	E	13	G	5.6	5.9	1.1	164	PHILIPPINE ISLANDS REGION. Felt (III RF) at Palo, Leyte. Depth from broadband displacement seismograms.

	14	05 21 22.8	10.438	N	126.148	E	72	*	4.7		1.3	39	PHILIPPINE ISLANDS REGION
	14	05 26 02.5	10.383	N	126.266	E	41	*	5.5	5.6	1.1	113	PHILIPPINE ISLANDS REGION
	14	05 28 05.0	10.342	N	126.209	E	33	N	5.3		0.9	31	PHILIPPINE ISLANDS REGION
	14	07 19 17.9	21.113	N	94.755	E	125		4.5		1.0	72	BURMA
	14	07 57 40.5	46.438	N	2.468	E	10	G			1.2	13	FRANCE. ML 2.7 (LDG).
	14	08 16 08.1&	33.860	N	116.180	W	2					15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt (IV) at Thermal. Also felt in the Indio area.
	14	08 48 06.7*	10.568	N	126.118	E	64	*	4.6		1.1	23	PHILIPPINE ISLANDS REGION
	14	08 57 33.0&	58.050	N	151.745	W	86					21	KODIAK ISLAND REGION. <AGS-P>.
	14	11 07 26.1	35.583	N	27.111	E	65	*	3.8		1.1	18	DODECANESE ISLANDS
	14	12 22 56.2*	5.804	S	131.219	E	33	N	4.5		1.6	9	BANDA SEA
	14	12 58 34.8*	6.800	S	128.652	E	255	*	4.4		1.1	15	BANDA SEA
	14	14 29 05.5&	33.270	N	115.690	W	1					8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	14	15 56 34.1	10.444	N	126.296	E	43	*	4.8	4.4	1.1	57	PHILIPPINE ISLANDS REGION
	14	16 04 12.9*	45.033	N	14.966	E	10	G			1.1	10	YUGOSLAVIA. MD 3.1 (VOY), 2.9 (TRI), 2.8 (LJU).
	14	16 07 19.9	44.977	N	14.851	E	10	G			1.4	17	ADRIATIC SEA. MD 3.3 (LJU), 3.0 (TRI). Felt at Senj, Yugoslavia.
	14	16 21 51.5&	40.413	N	126.360	W	6		4.3			14	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK).
	14	16 50 07.2	10.405	N	126.160	E	33	N	4.8		0.8	33	PHILIPPINE ISLANDS REGION
	14	17 47 58.3*	10.363	S	119.157	E	33	N	3.9		1.6	13	SUMBA ISLAND REGION
a	14	18 22 12.0	58.269	S	65.623	W	10	G	5.2	5.1	1.1	45	DRAKE PASSAGE
	14	18 29 56.3	10.358	N	126.280	E	45		5.2	4.9	1.2	93	PHILIPPINE ISLANDS REGION
	14	20 43 37.0*	42.889	N	23.254	E	10	G			0.2	5	BULGARIA
	14	20 58 21.7*	10.474	N	126.235	E	33	N	4.5		0.8	21	PHILIPPINE ISLANDS REGION
	14	21 32 11.4*	5.398	S	146.122	E	82	*	4.0		1.7	14	EAST PAPUA NEW GUINEA REGION
	14	22 06 07.5?	45.17	N	14.99	E	10	G			1.3	6	YUGOSLAVIA
	14	22 46 40.8*	26.797	S	177.587	W	70	?	4.6		1.5	13	SOUTH OF FIJI ISLANDS
a	15	00 18 50.7	7.085	S	129.440	E	140		5.5		0.9	179	BANDA SEA
	15	02 08 22.2*	49.404	N	157.714	E	45	D	4.7	4.4	1.2	44	KURIL ISLANDS REGION
	15	02 12 41.2?	5.68	S	149.09	E	184	*	3.8		1.2	6	NEW BRITAIN REGION
	15	02 33 07.7&	60.538	N	150.730	W	53					34	KENAI PENINSULA, ALASKA. <AGS-P>.
	15	03 56 39.1	45.849	N	10.528	E	10	G			1.0	11	NORTHERN ITALY
	15	04 14 51.1	34.845	N	133.554	E	33	N			1.0	7	NEAR S. COAST OF SOUTHERN HONSHU. Felt (I JMA) at Takamatsu, Shikoku.
	15	05 38 43.2*	16.465	S	69.803	W	208				1.2	11	PERU-BOLIVIA BORDER REGION
	15	06 22 47.0*	10.361	N	125.940	E	85	*	4.8		1.3	16	LEYTE, PHILIPPINE ISLANDS
a	15	06 23 09.8	12.479	S	76.731	W	51		5.5	4.5	1.0	146	NEAR COAST OF PERU. Several houses damaged in the Canete area. Felt (V) at Lima. Also felt at Chincha and Ica.
	15	06 31 44.7	3.915	N	125.949	E	136		5.6		0.9	127	TALAUD ISLANDS
	15	06 44 00.7*	40.987	N	31.113	E	10	G			1.6	9	TURKEY. Felt at Adapazari and Izmit.
	15	09 09 15.9%	39.691	N	29.400	E	10	G			0.6	5	TURKEY
	15	11 44 19.2*	15.730	S	167.311	E	105	*	4.7		1.2	34	VANUATU ISLANDS
	15	13 05 31.4&	34.090	N	116.490	W	6	G				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt (IV) at Maranga Valley and Palm Springs, (III) at North Palm Springs. Also felt at Yucca Valley.
	15	13 58 32.6%	61.827	N	7.217	E	10	G			1.0	8	SOUTHERN NORWAY. MD 2.5 (BER).
	15	14 53 03.3*	35.811	S	179.798	W	33	N	4.9		1.5	23	EAST OF NORTH ISLAND, N.Z.
	15	15 05 15.3	36.568	N	89.709	W	5	G			0.4	11	NEW MADRID, MISSOURI REGION. mbLg 3.1 (NEIS).
	15	15 30 53.9	35.570	N	140.155	E	74		4.6		1.0	45	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) in the Ajiro-Tokyo-Yokohama area. Also felt (I JMA) on Oshima.
	15	16 24 01.1*	1.610	N	98.870	E	130	*	4.0		1.1	8	NORTHERN SUMATERA
	15	16 30 21.5%	59.193	N	7.117	E	0	G			0.5	7	SOUTHERN NORWAY. MD 2.1 (BER). Probable explosion.
	15	17 14 07.2*	35.853	S	179.795	W	33	N	4.9	5.5	1.6	32	EAST OF NORTH ISLAND, N.Z.
	15	18 54 35.6*	51.173	N	176.083	W	33	N	4.3		1.0	29	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	19 18 24.6?	39.73	N	25.57	E	10	G			1.4	6	AEGEAN SEA
	15	19 36 57.0*	50.461	N	12.210	E	10	G			0.3	5	GERMANY. ML 2.0 (GRF).
	15	20 02 48.9*	50.463	N	12.223	E	10	G			0.4	5	GERMANY. ML 2.0 (GRF).
	15	20 20 59.3*	23.058	S	66.513	W	263	*			1.1	11	JUJUY PROVINCE, ARGENTINA
a	15	21 05 11.3	19.074	S	63.910	W	591		5.4		0.9	279	SOUTHERN BOLIVIA
	15	21 24 00.7&	60.326	N	151.185	W	45					30	KENAI PENINSULA, ALASKA. <AGS-P>.
	15	21 27 16.5	44.394	N	7.373	E	12				0.9	42	NORTHERN ITALY. ML 3.3 (LDG).
	16	00 17 51.3	42.325	N	19.914	E	10	G			0.3	9	YUGOSLAVIA. ML 2.4 (TTG).
	16	00 34 37.2%	39.273	N	28.255	E	10	G			0.8	5	TURKEY
	16	01 35 44.4%	40.925	N	30.229	E	10	G			0.9	6	TURKEY
	16	02 30 52.3*	26.112	N	58.781	E	33	N	4.1		1.2	12	SOUTHERN IRAN
	16	06 17 42.0	35.785	N	35.060	E	33	N	4.7		1.3	44	JORDAN - SYRIA REGION. ML 4.0 (BHL).
	16	07 49 41.6	37.514	N	140.065	E	37		4.8		1.0	45	HONSHU, JAPAN. Felt (III JMA) at Aizu-Wakamatsu, (II JMA) at Niigata and (I JMA) at Mita.
	16	09 46 09.6*	5.655	S	122.961	E	33	N	4.0		1.0	6	SULAWESI
	16	13 46 01.0	62.410	N	152.216	W	33	N			0.9	7	CENTRAL ALASKA. ML 3.0 (PMR).
	16	14 57 24.5	35.299	N	6.542	W	33	N			1.4	7	STRAIT OF GIBRALTAR
	16	16 34 58.7*	3.227	N	98.284	E	138	*	4.4		1.4	11	NORTHERN SUMATERA
	16	17 03 18.2?	52.55	N	176.31	E	33	N	4.5		0.5	6	RAT ISLANDS, ALEUTIAN ISLANDS
	16	17 05 16.2%	40.851	N	30.083	E	10	G			0.8	8	TURKEY
	16	17 11 35.6	6.610	S	130.392	E	112	*	5.1		1.1	34	BANDA SEA
	16	17 27 51.7	28.443	N	57.285	E	42		4.8		0.8	61	SOUTHERN IRAN
	16	18 56 29.6%	40.834	N	30.092	E	10	G			0.9	7	TURKEY
	16	18 57 42.7*	40.838	N	30.125	E	10	G			0.9	7	TURKEY
	16	19 15 34.2	19.855	S	69.892	W	93		5.0		1.1	54	NORTHERN CHILE. Felt (IV) at Arica.
a	16	20 17 02.3	22.931	S	176.727	W	146	*	5.3		1.1	133	SOUTH OF FIJI ISLANDS
	16	21 03 55.6&	62.265	N	149.345	W	57					22	CENTRAL ALASKA. <AGS-P>.
a	16	22 04 06.3	14.798	N	55.807	E	10	G	5.0		1.1	86	ARABIAN SEA
	16	22 51 19.4&	61.360	N	151.872	W	99					18	SOUTHERN ALASKA. <AGS-P>.
	16	23 32 34.1&	33.970	N	116.570	W	7					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	17	00 12 46.6%	44.060	N	6.957	E	10	G			0.0	5	FRANCE. ML 2.5 (LDG).
f	17	01 32 53.7	5.577	S	130.791	E	67	G	6.6		1.1	523	BANDA SEA. Ms 6.8 (BRK), 6.5 (PAS). mb 6.3 (PAS). Felt on Banda and Amban. Depth from broadband displacement seismograms.
	17	01 37 20.6&	62.238	N	151.151	W	86					34	CENTRAL ALASKA. <AGS-P>.
	17	02 04 24.6%	40.122	N	29.281	E	10	G			0.3	5	TURKEY
	17	02 28 18.1*	21.148	S	68.954	W	33	N			0.9	6	CHILE-BOLIVIA BORDER REGION
	17	02 54 03.1	6.492	S	148.846	E	56		4.7		1.1	27	NEW BRITAIN REGION

	17	03	30	36.6&	40.407	N	124.758	W	21				12	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.5 (BRK).
	17	03	57	18.9*	26.620	S	177.439	W	59	?	4.8	1.3	22	SOUTH OF FIJI ISLANDS
	17	04	45	47.0*	6.308	S	148.892	E	56	*	4.6	1.4	11	NEW BRITAIN REGION
	17	05	57	44.5	41.690	N	19.619	E	10	G		1.3	30	ALBANIA. MD 3.5 (TTG).
	17	08	16	25.7	6.105	S	154.837	E	115		5.1	1.0	52	SOLOMON ISLANDS. Felt (II) at Arawa, Bougainville.
	17	08	44	37.4	12.305	N	143.589	E	33	N	4.8	1.1	22	SOUTH OF MARIANA ISLANDS
	17	10	28	05.5	49.466	N	8.133	E	11			1.5	18	GERMANY. ML 3.3 (LDG), 2.8 (GRF).
	17	10	36	12.9%	41.129	N	29.566	E	10	G		0.1	5	TURKEY
	17	11	00	55.1	41.426	N	20.050	E	10	G		1.2	31	ALBANIA. MD 3.6 (TTG).
	17	11	48	43.6*	6.464	S	149.001	E	44	?	3.8	1.4	8	NEW BRITAIN REGION
	17	12	53	48.2&	61.724	N	151.906	W	103				32	SOUTHERN ALASKA. <AGS-P>.
	17	13	06	37.7?	35.54	N	26.69	E	33	N		1.5	7	CRETE
	17	13	20	54.6*	58.972	N	6.118	E	0	G		1.3	6	SOUTHERN NORWAY. MD 2.3 (BER). Probable explosion.
	17	15	16	40.9	35.726	N	27.206	E	47	*	4.3	1.3	43	DODECANESE ISLANDS
	17	15	47	31.4*	10.299	N	126.269	E	50	*	4.6	1.0	20	PHILIPPINE ISLANDS REGION
	17	16	05	59.4%	40.056	N	27.734	E	10	G		0.5	6	TURKEY
	17	16	32	22.1	5.675	S	152.687	E	40	*	4.9 4.0	1.0	20	NEW BRITAIN REGION
	17	17	47	47.4*	9.118	S	112.535	E	33	N	4.8	1.4	12	SOUTH OF JAVA
	17	18	17	50.6	21.594	N	121.306	E	20		4.3	0.9	28	TAIWAN REGION
	17	18	30	42.2?	33.03	S	70.19	W	101	?		0.3	10	CHILE-ARGENTINA BORDER REGION
	17	19	02	23.7	51.969	N	177.514	W	98		4.5	0.8	38	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak.
	17	20	12	29.9*	35.012	N	24.108	E	10	G		1.3	8	CRETE
	17	22	06	07.3*	17.854	S	173.368	W	33	N	5.0	1.6	53	TONGA ISLANDS
	17	22	07	50.6*	6.790	N	73.037	W	153	*		1.0	10	NORTHERN COLOMBIA
	17	22	19	56.0&	60.216	N	152.771	W	109				19	SOUTHERN ALASKA. <AGS-P>.
	17	22	30	46.8	35.674	N	27.196	E	57	*	4.1	0.9	21	DODECANESE ISLANDS
	18	00	55	54.5?	41.04	N	31.60	E	10	G		1.0	5	TURKEY
	18	01	04	02.3&	60.622	N	151.937	W	73				29	KENAI PENINSULA, ALASKA. <AGS-P>.
	18	01	13	58.1&	59.895	N	153.174	W	108				32	SOUTHERN ALASKA. <AGS-P>.
	18	02	15	02.5*	35.611	N	4.447	W	33	N		1.5	16	STRAIT OF GIBRALTAR
	18	02	21	56.7&	35.118	N	96.347	W	5	G			8	OKLAHOMA. <TUL>. mbLg 1.9 (TUL).
	18	02	40	05.8?	15.60	N	60.17	W	33	N		0.8	9	LEEWARD ISLANDS. ML 2.7 (FDF).
	18	03	24	06.7?	34.16	S	71.81	W	33	N		0.7	7	NEAR COAST OF CENTRAL CHILE
	18	04	45	20.8*	21.457	S	69.166	W	173	*		1.3	10	NORTHERN CHILE
	18	04	46	35.3?	6.59	S	130.34	E	33	N		1.3	5	BANDA SEA
	18	04	50	07.5	41.930	N	119.689	W	5	G	3.7	1.0	25	NEVADA. ML 4.2 (BRK). Felt (IV) at Fort Bidwell, California and Adel, Oregon. Also felt at Lakeview, Oregon; Alturas and South Lake Tahoe, California.
	18	05	06	29.6&	60.046	N	153.067	W	107				25	SOUTHERN ALASKA. <AGS-P>.
	18	05	16	36.3	39.245	N	143.093	E	50	*	4.8 4.6	1.2	67	OFF EAST COAST OF HONSHU, JAPAN
	18	08	16	52.7*	47.264	N	6.160	E	10	G		1.1	10	FRANCE
	18	08	32	41.3	41.343	N	26.466	E	10	G		0.9	13	GREECE-BULGARIA BORDER REGION
	18	08	33	06.9?	21.81	S	68.18	W	33	N	4.6	0.9	6	CHILE-BOLIVIA BORDER REGION
	18	09	06	04.6	41.358	N	26.431	E	11			1.0	13	GREECE-BULGARIA BORDER REGION
a	18	10	01	07.3	17.291	N	121.356	E	43		5.5 6.0	1.4	165	LUZON, PHILIPPINE ISLANDS. Eight people killed, five injured, one missing and five houses damaged from landslides. Felt (V RF) in the epicentral area; (IV RF) at Baguio; (III RF) at Manila and Cagayan; (II RF) at Santa and Tuguegarao.
	18	10	39	22.9*	17.237	N	121.277	E	33	N	4.7	1.5	13	LUZON, PHILIPPINE ISLANDS
	18	11	44	22.1	10.116	S	113.603	E	60	*	5.2	1.3	51	SOUTH OF JAVA
a	18	14	03	15.1	10.707	S	162.326	E	73	G	6.0	0.9	284	SOLOMON ISLANDS. Felt at Honiara, Guadalcanal and Makira, San Cristabal. Depth from broadband displacement seismograms.
	18	15	20	00.0&	37.194	N	116.035	W	0				31	SOUTHERN NEVADA. <DOE>. ML 4.1 (BRK). 37° 11' 36.79" N., 116° 02' 06.05" W., Surface Elev. 1345 m., Depth of Burial 200 m., Shot Time 152000.082, "BRIE", Nevada Test Site (Dept. of Energy).
	18	17	22	41.3*	28.321	N	54.245	E	74	?	4.5	1.7	32	SOUTHERN IRAN
	18	20	20	56.0&	62.768	N	150.700	W	102				30	CENTRAL ALASKA. <AGS-P>.
	18	22	27	25.7	44.720	N	6.872	E	10	G		0.4	14	FRANCE. ML 2.8 (LDG).
	18	23	53	07.2	44.547	N	10.673	E	10	G		1.3	12	NORTHERN ITALY. ML 3.0 (LDG).
	19	00	20	20.2*	17.720	N	144.872	E	33	N	4.5	1.2	13	MARIANA ISLANDS REGION
a	19	01	10	16.8	17.785	N	144.949	E	37	D	5.1 4.9	1.0	88	MARIANA ISLANDS REGION. Ms 5.2 (BRK).
	19	01	36	45.7*	17.821	N	144.895	E	33	N	5.0	1.2	26	MARIANA ISLANDS REGION
a	19	01	38	43.1	17.726	N	144.866	E	38	D	5.4 5.1	1.1	95	MARIANA ISLANDS REGION
	19	01	53	11.6	18.146	N	144.913	E	38	D	4.8	0.9	27	MARIANA ISLANDS
	19	02	02	29.2*	17.789	N	144.965	E	33	N	4.5	1.0	11	MARIANA ISLANDS REGION
	19	02	08	57.0*	17.688	N	144.830	E	33	D	4.9	1.4	15	MARIANA ISLANDS REGION
	19	02	34	14.6	17.640	N	144.944	E	39	D	4.9 4.5	1.0	44	MARIANA ISLANDS REGION
	19	02	38	18.3	17.684	N	144.889	E	41	D	4.9	1.3	30	MARIANA ISLANDS REGION
	19	03	58	16.0*	17.354	N	144.811	E	33	N	4.8	0.5	10	MARIANA ISLANDS REGION
	19	04	31	42.6	40.759	N	23.571	E	10	G		1.1	9	GREECE
	19	05	47	40.6	46.797	N	124.450	W	33	N	3.9	0.5	18	NEAR COAST OF WASHINGTON. ML 4.0 (SEA). Felt (IV) at Bay Center, Nahcotta, Oysterville, Seaview and Westport. Also felt at Grayland, South Bend, Surfside and Tokeland.
	19	07	01	57.0	17.995	N	144.965	E	33	N	4.9	0.8	44	MARIANA ISLANDS REGION
	19	10	38	50.7%	40.802	N	30.030	E	10	G		0.5	6	TURKEY
	19	11	14	39.2	38.517	N	30.639	E	17		4.0 3.8	1.0	36	TURKEY
	19	11	42	58.8*	10.712	S	162.363	E	116	*	5.0	1.0	29	SOLOMON ISLANDS
	19	11	56	18.4&	38.827	N	122.847	W	5				12	NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK).
a	19	12	56	51.8*	7.476	N	82.176	W	10	G	4.8 4.7	1.4	56	SOUTH OF PANAMA. MD 5.0 (HDC).
	19	13	31	59.7?	20.55	S	116.96	E	10	G		1.1	5	WESTERN AUSTRALIA
	19	16	31	13.7%	39.072	N	29.182	E	10	G		0.8	7	TURKEY
a	19	18	45	41.6	36.791	N	28.193	E	80		5.0	1.1	259	DODECANESE ISLANDS. Felt on Rhodes.
o	19	19	00	05.1	21.213	S	68.362	W	86		5.6	1.1	191	CHILE-BOLIVIA BORDER REGION. Felt (IV) at Calama; (II) at Iquique, Chile.
	19	21	00	20.7	17.911	S	69.366	W	134		4.9	1.0	104	PERU-BOLIVIA BORDER REGION. Felt (III) at Arica, Chile.
	19	21	17	21.9	7.013	S	147.444	E	90		4.6	0.9	19	EAST PAPUA NEW GUINEA REGION
	19	21	43	07.8*	11.884	S	26.919	E	10	G	4.1	1.0	7	ZAIRE REPUBLIC
	19	22	45	02.4*	10.626	S	162.425	E	128	*	5.1	0.9	23	SOLOMON ISLANDS
	19	22	51	54.9*	40.715	N	29.927	E	10	G		0.9	8	TURKEY

	19	23	18	57.8*	39.158	N	21.662	E	10	G			1.4	7	GREECE
	20	00	14	21.6*	5.303	S	144.046	E	99	?	3.9		0.4	7	PAPUA NEW GUINEA
	20	00	37	55.8	51.472	N	16.126	E	13		4.9		1.2	64	POLAND. ML 4.9 (GRF), 4.9 (VKA), 4.7 (KBA). At least three people injured in o mine in the Lubin orea.
	20	00	46	25.1	28.220	S	63.159	W	610		5.0		0.8	108	SANTIAGO DEL ESTERO PROV., ARG.
	20	00	53	04.8	49.913	N	78.735	E	0	G	6.1	4.2	0.9	418	EASTERN KAZAKH SSR
	20	01	03	07.5%	36.456	N	5.575	W	10	G			1.2	7	STRAIT OF GIBRALTAR
	20	01	25	40.3*	42.278	N	142.129	E	55	?	4.7		1.1	14	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakowo.
	20	01	31	59.6*	17.258	S	174.562	W	33	N	5.1		1.1	24	TONGA ISLANDS
	20	01	45	19.1	17.995	N	144.653	E	33	N	4.6		0.9	17	MARIANA ISLANDS REGION
	20	03	38	48.5	38.015	N	27.510	E	19				1.0	20	TURKEY. ML 3.5 (ATH).
	20	04	49	09.9	41.668	N	22.743	E	22	*			0.6	11	YUGOSLAVIA
o	20	05	39	32.8	7.053	S	129.637	E	87	D	5.6		1.0	189	BANDA SEA
	20	06	34	45.8%	38.447	N	30.464	E	10	G			1.5	5	TURKEY
	20	06	48	04.5*	16.493	S	173.290	W	51	D	4.9		1.2	53	TONGA ISLANDS
	20	07	12	38.3&	58.485	N	156.303	W	201					37	ALASKA PENINSULA. <AGS-P>.
	20	08	49	19.8	45.806	N	10.545	E	10	G			1.5	24	NORTHERN ITALY. ML 3.0 (KBA), 3.0 (LDG).
	20	08	55	24.6%	40.390	N	29.430	E	10	G			0.5	5	TURKEY
	20	09	13	33.8*	7.136	N	82.326	W	10	G	4.6		1.0	12	SOUTH OF PANAMA. MD 4.4 (HDC).
	20	09	14	15.4	9.402	S	157.817	E	33	N	4.3		1.3	12	SOLOMON ISLANDS
	20	09	56	51.3	17.963	N	144.876	E	26	D	5.1	4.4	0.9	66	MARIANA ISLANDS REGION
	20	10	23	19.9*	18.108	N	145.369	E	33	N	4.4		0.9	9	MARIANA ISLANDS
	20	11	00	18.8	29.333	N	112.945	W	10	G	4.5		1.3	41	GULF OF CALIFORNIA
	20	11	06	47.4?	8.74	S	122.74	E	138	?	4.0		1.3	11	FLORES ISLAND REGION
	20	11	29	20.9?	29.20	N	112.89	W	10	G	4.5		1.6	17	GULF OF CALIFORNIA
	20	11	56	20.7&	61.590	N	151.654	W	82					27	SOUTHERN ALASKA. <AGS-P>.
	20	12	15	02.4&	61.683	N	147.440	W	30					44	SOUTHERN ALASKA. <AGS-P>. ML 3.0 (PMR). Felt (II) at Chickaloon.
	20	13	06	56.3	9.587	S	120.379	E	33	N	3.2		1.0	8	SUMBA ISLAND REGION
	20	13	59	28.9*	11.743	S	117.821	E	33	N			0.9	6	SOUTH OF SUMBAWA ISLAND
	20	14	37	59.0	42.561	N	18.622	E	10	G			1.3	16	YUGOSLAVIA. ML 3.1 (TTG). Felt in the Boko Kotorska area.
	20	16	00	00.1&	37.220	N	116.17B	W	0					15	SOUTHERN NEVADA. <DOE>. Tunnel Shot. ML 3.5 (NEIS). 37° 13' 11.84" N., 116° 10' 40.05" W., Surface Elev. 2044 m., Depth of Burial 300 m., "MISSION GHOST", Nevado Test Site (Dept. of Energy).
	20	17	43	58.7	17.867	N	144.826	E	33	N	4.7		1.1	37	MARIANA ISLANDS REGION
	20	18	13	11.1	51.442	N	173.739	W	33	N	4.6	4.4	1.0	48	ANDREANOF ISLANDS, ALEUTIAN IS.
a	20	21	45	29.1	21.377	S	170.301	E	181	*	5.4		1.2	82	LOYALTY ISLANDS REGION
	20	22	21	05.5	50.469	N	12.161	E	9				1.1	13	GERMANY. ML 3.1 (KBA), 2.9 (GRF).
	20	22	29	34.2	40.078	N	27.522	E	10	G			0.5	10	TURKEY
	20	22	49	04.8*	17.788	N	145.004	E	33	N	4.5		1.3	19	MARIANA ISLANDS
	20	23	13	01.8*	20.245	S	69.009	W	169	?			0.8	7	NORTHERN CHILE
	20	23	37	20.4*	61.782	N	4.811	E	10	G			0.8	7	SOUTHERN NORWAY. MD 2.4 (BER).
a	21	00	02	46.2	2.267	N	126.908	E	70	D	5.4		1.0	94	MOLUCCA PASSAGE
	21	00	16	39.0*	16.252	S	177.860	E	10	G			0.5	9	FIJI ISLANDS
	21	01	33	55.1*	50.509	N	12.136	E	10	G			1.3	6	GERMANY. ML 2.4 (GRF).
a	21	01	49	12.6	22.172	N	123.821	E	15		4.9	4.8	1.0	98	SOUTHEAST OF TAIWAN
	21	04	17	50.5?	51.54	N	16.15	E	10	G			0.6	9	POLAND. ML 3.3 (VKA).
	21	04	50	30.2*	50.459	N	12.217	E	10	G			0.4	5	GERMANY. ML 2.2 (GRF).
	21	04	52	30.9%	40.696	N	29.739	E	10	G			0.1	5	TURKEY
	21	05	07	26.1	44.737	N	10.909	E	10	G			1.2	18	NORTHERN ITALY. ML 3.1 (KBA), 3.1 (LDG).
f	21	05	46	10.0	54.211	N	162.601	W	34	G	6.2	6.2	1.1	418	ALASKA PENINSULA. ML 6.6 (PMR), Ms 6.1 (BRK), 6.0 (PAS). Felt (V) at Cold Bay, Folse Pass and King Cove. Felt (IV) at Port Moller and Sand Point. Depth from broadband displocement seismograms.
	21	05	55	26.9	54.285	N	162.597	W	33	N	5.5		0.9	166	ALASKA PENINSULA. ML 5.4 (PMR). Felt (III) at False Pass, King Cove, Cold Bay and Sand Point.
	21	06	13	03.2	37.228	N	21.320	E	51	*	4.3		1.3	46	SOUTHERN GREECE. Felt in Messinio and Ilia Pravinces.
	21	06	16	27.3&	37.550	N	118.793	W	1	G				21	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK), 3.2 (PAS).
	21	06	18	58.6*	54.257	N	162.764	W	33	N	4.8		1.3	26	ALASKA PENINSULA. ML 4.6 (PMR).
	21	06	38	43.5*	36.788	N	2.164	E	10	G			0.6	7	ALGERIA. MG 4.0 (ABA).
	21	07	51	48.2*	54.269	N	162.569	W	33	N	4.9		1.2	29	ALASKA PENINSULA. ML 4.5 (PMR).
	21	08	56	39.2&	32.650	N	115.780	W	14					9	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS).
	21	08	59	41.2*	5.703	S	130.768	E	77	?	4.6		1.6	14	BANDA SEA
	21	09	14	18.4*	5.521	S	153.831	E	63	*	4.0		0.7	9	NEW IRELAND REGION
	21	09	44	07.2&	30.880	N	113.880	W	6	G				6	GULF OF CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	21	10	04	20.5?	17.91	N	145.02	E	33	N	4.3		0.2	6	MARIANA ISLANDS
a	21	10	08	58.5	57.295	S	66.815	W	33	N	5.5	5.0	1.1	66	DRAKE PASSAGE
	21	12	28	50.7*	20.912	S	174.308	W	120	?	4.4		1.0	35	TONGA ISLANDS
	21	12	35	54.3?	50.23	N	19.30	E	10	G			1.1	4	POLAND
	21	13	05	08.5*	41.818	N	22.924	E	10	G			0.3	6	YUGOSLAVIA
	21	13	34	42.2	43.408	N	19.817	E	10	G			0.7	11	YUGOSLAVIA. ML 2.7 (TTG).
	21	13	35	54.2%	46.456	N	0.995	E	10	G			1.0	11	FRANCE. ML 2.6 (LDG).
	21	14	39	16.8%	42.293	N	18.941	E	10	G			0.5	7	YUGOSLAVIA. ML 2.3 (TTG).
	21	15	12	53.0%	39.183	N	27.777	E	10	G			0.9	5	TURKEY
	21	16	16	00.5*	20.692	S	118.629	E	10	G			1.5	7	WESTERN AUSTRALIA
	21	16	18	14.3	18.033	N	144.847	E	33	N	5.0	4.6	1.3	92	MARIANA ISLANDS
	21	17	54	57.9	22.049	S	138.715	W	0	G	5.1		0.9	84	TUAMOTU ARCHIPELAGO REGION
	21	17	56	27.4*	9.070	S	76.236	W	129	?	4.3		1.0	9	PERU
	21	19	30	13.8*	1.197	S	119.842	E	28	*	4.0		0.1	6	SULAWESI
	21	20	10	48.6*	32.068	N	137.676	E	385	*	4.3		0.7	20	SOUTH OF HONSHU, JAPAN
	21	21	50	21.7	44.964	N	6.681	E	10	G			0.9	9	FRANCE. ML 2.8 (LDG).
	21	21	59	42.7?	7.05	S	129.92	E	106	?	4.5		1.4	7	BANDA SEA
	21	22	24	42.7*	23.973	N	125.437	E	24	*	4.3		0.8	17	SOUTHWESTERN RYUKYU ISLANDS
	21	23	36	20.8?	39.28	N	27.70	E	10	G			1.3	10	TURKEY
	22	01	15	23.4?	7.93	S	122.68	E	250	*	4.2		1.1	9	FLORES SEA
	22	02	08	00.6*	14.968	N	146.899	E	33	N	4.7		0.9	13	MARIANA ISLANDS
	22	02	36	48.0&	36.203	N	120.465	W	2					9	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	22	03	03	37.2	42.352	N	19.937	E	10	G			0.4	6	YUGOSLAVIA. ML 2.4 (TTG).
	22	03	07	09.8?	1.69	N	126.26	E	33	N	4.7		0.3	6	MOLUCCA PASSAGE
	22	05	15	08.9?	53.89	N	162.08	W	33	N	4.2		1.6	8	SOUTH OF ALASKA

a	22	05	16	33.7	27 573	S	178.543	W	292	D	5.3		1.0	197	KERMADEC ISLANDS REGION
	22	05	42	21.6	45.690	N	26.530	E	163	*	3.9		1.0	21	ROMANIA
	22	06	01	24.9*	42.857	N	0.077	E	10	G			1.0	5	PYRENEES. ML 3.2 (LDG).
	22	06	28	14.7?	39.38	N	26.09	E	10	G			0.7	7	TURKEY
	22	08	14	46.6&	61.882	N	151.857	W	110					28	SOUTHERN ALASKA. <AGS-P>.
	22	08	20	54.0*	37.779	N	21.544	E	46	*	3.8	3.5	0.8	11	SOUTHERN GREECE
a	22	11	08	10.9	4.171	S	152.912	E	49		4.8		0.9	81	NEW BRITAIN REGION. Felt (V) at Rabaul.
	22	11	15	25.3	42.340	N	19.946	E	10	G			0.8	9	YUGOSLAVIA. ML 2.6 (TTG).
	22	11	45	11.2	6.282	S	147.897	E	54		5.0	4.3	1.1	48	EAST PAPUA NEW GUINEA REGION
	22	15	28	13.1?	47.83	N	22.99	E	33	N			1.5	6	ROMANIA
	22	15	52	10.3	36.551	N	71.291	E	190	*	4.5		0.9	71	AFGHANISTAN-USSR BORDER REGION
	22	16	07	15.9	43.416	N	19.769	E	10	G			1.3	11	YUGOSLAVIA. ML 2.8 (TTG). Felt (V) at Nova Varos.
	22	17	23	51.5*	42.649	S	172.373	E	10	G	4.1		1.2	8	SOUTH ISLAND, NEW ZEALAND. Felt at Christchurch, Lewis Pass and Wellington.
	22	17	36	31.8*	29.391	N	128.741	E	33	N	4.1		0.4	5	EAST CHINA SEA
	22	19	19	33.8*	13.784	N	120.925	E	135	*	4.5		1.4	18	MINDORO, PHILIPPINE ISLANDS
a	22	19	23	34.8	7.374	N	82.219	W	19		5.3	5.0	1.0	179	SOUTH OF PANAMA. Ms 5.1 (BRK). Felt (V) at Sona and (IV) at Santiago, Aguadulce, Las Santas and Chiriqui. Felt (II) at San Jose, Casta Rica.
	22	20	15	06.7*	43.422	N	3.265	E	10	G			1.2	5	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG).
	22	23	06	51.7*	28.610	N	87.223	E	33	N	4.1		1.2	6	TIBET
	23	00	22	40.2*	20.109	S	178.396	W	611	*	4.8		1.2	18	FIJI ISLANDS REGION
	23	00	32	08.8*	1.671	N	26.220	W	10	G	4.6		1.3	16	CENTRAL MID-ATLANTIC RIDGE
	23	00	56	35.3*	39.916	N	23.764	E	10	G			0.4	6	AEGEAN SEA
	23	01	27	43.0	40.487	N	23.540	E	10	G			0.4	6	GREECE
	23	02	18	43.1*	32.485	S	71.779	W	33	N			0.4	11	NEAR COAST OF CENTRAL CHILE
	23	02	55	41.5	51.559	N	6.778	E	22	*			1.1	21	GERMANY. ML 3.2 (LDG).
a	23	04	27	44.6	11.532	S	166.376	E	51	D	5.2		0.9	77	SANTA CRUZ ISLANDS
	23	04	54	38.3*	46.901	N	152.752	E	33	N	4.7	4.5	0.8	34	KURIL ISLANDS
	23	04	55	57.8	67.139	N	53.378	W	10	G	4.3		1.1	24	WESTERN GREENLAND
	23	05	46	07.5%	40.511	N	23.563	E	10	G			0.5	5	GREECE
	23	07	29	09.9	17.466	N	146.849	E	33	N	4.8		1.2	39	MARIANA ISLANDS
	23	08	32	39.9	63.624	N	145.235	W	33	N			1.1	8	CENTRAL ALASKA. ML 3.0 (PMR).
	23	11	52	46.5&	36.100	N	120.162	W	8					11	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	23	13	04	51.7*	54.638	N	159.724	W	33	N	4.5		1.2	16	SOUTH OF ALASKA. ML 3.8 (PMR).
	23	15	17	44.1	34.124	N	26.262	E	33	N	4.3	3.6	1.3	42	CRETE
	23	15	26	59.9*	19.698	S	69.263	W	33	N			1.4	5	NORTHERN CHILE
	23	16	02	51.3%	41.250	N	29.030	E	10	G			1.5	5	TURKEY
	23	16	06	28.1*	4.955	N	102.637	E	33	N			0.7	6	MALAY PENINSULA
	23	17	31	49.1%	41.128	N	27.741	E	10	G			0.2	6	TURKEY
	23	18	02	37.6?	22.54	S	174.82	W	33	N	5.3		0.8	14	TONGA ISLANDS REGION
	23	21	09	39.9	44.456	N	7.155	E	10	G			0.4	7	NORTHERN ITALY. ML 2.7 (LDG).
	23	21	21	26.0*	51.099	N	176.564	W	33	N	4.9		1.0	23	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
	23	22	22	44.6&	35.730	N	116.510	W	6					9	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	23	22	26	04.8	20.975	S	174.044	W	33	N	4.7	4.9	1.2	23	TONGA ISLANDS
	23	23	07	02.9*	45.710	N	26.622	E	100	?			0.8	11	ROMANIA
	23	23	29	13.2?	5.82	S	131.33	E	117	?	3.7		0.9	7	BANDA SEA
	24	02	29	38.8%	44.509	N	7.243	E	10	G			0.2	6	NORTHERN ITALY. ML 2.4 (LDG).
	24	02	29	45.8	40.798	N	74.132	E	33	N	4.9	4.3	1.2	45	KIRGHIZ-XINJIANG BORDER REGION. Felt (IV) at Gulcha and (III) in the Kak-Yangak Mountains, USSR.
	24	03	28	31.6%	40.805	N	30.099	E	10	G			0.7	9	TURKEY
a	24	03	30	30.7	21.179	S	173.581	E	33	N	5.7	6.4	1.3	204	VANUATU ISLANDS REGION. Ms 6.7 (BRK), 6.4 (PAS).
	24	03	30	56.5?	18.18	S	177.87	E	30	*			0.5	9	FIJI ISLANDS
	24	03	37	01.1*	51.078	N	176.547	W	33	N	4.5		1.3	16	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.9 (PMR).
	24	04	13	04.3?	10.64	N	85.23	W	33	N			1.1	5	COSTA RICA. MD 4.2 (HDC).
	24	04	21	51.5?	47.82	S	31.06	E	10	G	4.7	5.1	1.5	11	SOUTH OF AFRICA
	24	04	27	41.1?	21.21	S	173.03	E	33	N	4.4		1.5	14	VANUATU ISLANDS REGION
	24	06	09	53.0*	2.167	S	133.875	E	33	N	4.3		0.4	7	WEST IRIAN REGION
	24	06	53	20.7	38.314	N	39.292	E	10	G	4.5		1.2	58	TURKEY. Felt at Diyarbakir and Elazig.
	24	08	27	15.7*	2.407	S	133.854	E	33	N	3.7		1.2	9	WEST IRIAN REGION
	24	08	58	39.5*	20.028	N	45.865	W	10	G	4.9		1.0	22	NORTH ATLANTIC RIDGE
	24	09	35	22.6*	4.868	S	102.386	E	33	N	4.8		1.3	23	SOUTHERN SUMATERA
a	24	10	16	32.6	21.069	S	173.298	E	33	N	4.7	5.4	1.4	60	VANUATU ISLANDS REGION
a	24	10	42	25.2	21.243	S	173.640	E	33	N	5.1	5.6	1.5	68	VANUATU ISLANDS REGION
	24	10	47	54.4?	40.42	N	21.62	E	10	G			0.8	7	GREECE
	24	12	41	02.2	63.063	N	151.025	W	155	?			0.6	12	CENTRAL ALASKA
	24	13	04	27.1	38.477	N	12.989	E	5	G			1.1	15	SICILY. MD 3.6 (ROM). Felt at Palermo.
a	24	13	27	59.9	59.657	S	26.127	W	33	N	5.3	5.4	1.2	70	SOUTH SANDWICH ISLANDS REGION
	24	13	32	36.5&	60.647	N	151.866	W	105					31	KENAI PENINSULA, ALASKA. <AGS-P>.
	24	14	18	21.0?	5.16	S	148.89	E	188	*	4.2		0.9	8	NEW BRITAIN REGION
	24	14	53	23.0	33.752	S	150.632	E	33	N			0.6	6	NEAR S.E. COAST OF AUSTRALIA. ML 3.1 (CNB). Felt in the Sydney-Lithgaw area.
	24	15	04	57.8	33.436	S	150.131	E	40		4.4		1.0	21	NEAR S.E. COAST OF AUSTRALIA. ML 4.2 (RIV). Damage (VII) at Lithgaw and slight damage at Sydney and Newcastle. Felt at Bathhurst, Katoamba and Mass Vale.
	24	15	47	06.5*	33.351	S	150.234	E	10	G			0.2	5	NEAR S.E. COAST OF AUSTRALIA. ML 3.5 (CNB). Felt in the Sydney-Lithgaw area.
	24	15	57	14.0*	30.377	N	101.880	E	33	N	4.3		1.0	6	SICHUAN PROVINCE, CHINA
	24	16	11	21.8?	61.51	N	7.11	E	10	G			1.2	6	SOUTHERN NORWAY. MD 2.4 (BER).
	24	17	04	55.7%	40.140	N	29.202	E	10	G			1.1	8	TURKEY
	24	17	53	24.7	46.927	N	142.266	E	33	N	4.6	4.2	0.9	49	SAKHALIN ISLAND. Felt (IV) on Sakhalin Island.
	24	18	02	39.3	16.185	S	28.511	E	10	G	4.4		1.2	9	ZAMBIA
	24	18	46	51.7?	59.06	N	5.94	E	10	G			0.6	5	SOUTHERN NORWAY. MD 2.0 (BER).
	24	19	14	10.1	1.746	N	127.393	E	125		5.1		1.0	55	HALMAHERA
	24	19	54	10.5	6.883	N	76.406	W	23		5.4	4.4	1.1	187	NORTHERN COLOMBIA. Felt at Manizales and Medellin.
	24	20	05	08.5	6.876	N	76.316	W	42		4.7		0.9	82	NORTHERN COLOMBIA. Felt at Manizales and Medellin.
	24	20	06	42.0	19.137	S	169.105	E	173	*	4.7		1.2	79	VANUATU ISLANDS
	24	21	02	54.0	7.973	N	126.644	E	77	*	4.9		1.2	49	MINDANAO, PHILIPPINE ISLANDS
	24	22	38	39.6	24.410	N	121.979	E	41	*	4.6		1.4	37	TAIWAN. Felt in northern Taiwan.
	24	23	24	48.6?	32.41	S	70.58	W	101	*			0.6	10	CHILE-ARGENTINA BORDER REGION
	24	23	54	31.3&	60.378	N	152.063	W	71					18	SOUTHERN ALASKA. <AGS-P>.
	25	00	00	38.6%	40.675	N	29.987	E	10	G			1.2	7	TURKEY
	25	00	41	58.5*	44.404	N	7.054	E	10	G			0.2	5	NORTHERN ITALY. ML 2.0 (LDG).

a	25	02	49	39.7	47.297	N	27.463	W	10	G	5.5	5.4	1.0	321	NORTH ATLANTIC RIDGE. Ms 5.9 (BRK).
	25	03	15	37.7?	41.67	N	23.17	E	10	G			0.6	6	GREECE-BULGARIA BORDER REGION
o	25	03	27	07.4	41.519	N	143.612	E	38		5.4	4.7	0.8	192	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Kushiro and Urakawa.
	25	04	04	05.2*	41.329	N	22.573	E	10	G			0.5	7	YUGOSLAVIA
	25	07	15	54.6*	26.876	S	28.583	E	5	G			0.7	7	REPUBLIC OF SOUTH AFRICA. MG 4.2 (BUL).
	25	08	32	40.1?	50.11	N	18.99	E	10	G			1.3	4	POLAND. ML 3.3 (KRA).
	25	09	07	37.6	65.862	N	156.241	W	33	N	4.3		1.2	11	ALASKA. ML 4.3 (PMR).
	25	09	30	32.8%	39.579	N	29.391	E	10	G			0.4	5	TURKEY
	25	09	30	50.6%	42.736	N	19.164	E	10	G			0.3	6	YUGOSLAVIA. ML 2.1 (TTG).
	25	11	07	22.1*	18.738	S	71.530	W	33	N			1.2	6	OFF COAST OF NORTHERN CHILE
	25	11	21	58.5*	51.173	N	15.647	E	10	G			0.6	5	POLAND. ML 2.7 (KRA).
	25	15	10	37.4	41.464	N	22.295	E	10	G			0.8	8	YUGOSLAVIA
	25	15	25	22.5%	39.824	N	29.665	E	10				0.3	7	TURKEY
	25	15	33	56.1?	5.90	S	147.95	E	161	*	4.2		1.2	6	EAST PAPUA NEW GUINEA REGION
	25	16	17	42.0*	6.569	S	148.888	E	60	?	3.4		1.4	6	NEW BRITAIN REGION
	25	18	13	57.3?	28.45	S	176.92	W	144	*	4.7		0.9	15	KERMADEC ISLANDS REGION. Felt on Raoul Island.
	25	22	00	01.7*	7.487	S	133.072	E	33	N	4.6		0.7	5	AROE ISLANDS REGION
	25	23	37	08.0&	62.56B	N	151.16B	W	86					39	CENTRAL ALASKA. <AGS-P>.
	26	00	52	16.7&	32.160	N	115.330	W	6					3	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS).
	26	01	05	40.7*	5.879	N	126.117	E	109	*	4.8		1.0	28	MINDANAO, PHILIPPINE ISLANDS
	26	02	00	24.5?	33.39	S	72.07	W	33	N			0.5	8	OFF COAST OF CENTRAL CHILE
	26	02	14	14.9%	15.857	N	60.792	W	33	N			0.4	6	LEEWARD ISLANDS. ML 2.8 (FDF).
	26	02	34	35.9	40.446	N	23.585	E	10				0.8	13	GREECE
	26	03	54	33.4	51.573	N	16.218	E	29				0.5	21	POLAND. ML 4.2 (GRF), 4.1 (KBA), 4.1 (VKA).
	26	05	18	39.9*	7.592	N	122.753	E	33	N	4.7		0.5	6	MINDANAO, PHILIPPINE ISLANDS
	26	06	25	49.6*	24.099	S	67.042	W	187	*	4.5		1.4	24	CHILE-ARGENTINA BORDER REGION
a	26	07	11	59.7	37.0B6	N	142.116	E	21	D	5.4	5.2	0.9	286	OFF EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito, Onahoma, Yamagata, Sendai and Utsunomiya; (I JMA) at Tokyo and Ishinamaki.
	26	07	34	55.7*	37.294	N	142.022	E	33	N	4.3		0.8	7	OFF EAST COAST OF HONSHU, JAPAN
a	26	08	27	22.5	10.500	S	161.070	E	82		5.4		0.9	134	SOLOMON ISLANDS. Felt at Honiara.
	26	09	13	56.3*	23.006	S	69.06B	W	112	?			1.1	6	NORTHERN CHILE
	26	09	43	52.8%	40.B30	N	30.138	E	10	G			0.9	9	TURKEY
	26	10	00	56.3%	41.097	N	27.757	E	10	G			0.7	8	TURKEY
	26	10	04	54.4*	36.973	S	176.608	E	286		4.5		0.7	22	OFF E. COAST OF N. ISLAND, N.Z.
	26	10	28	56.5*	13.161	N	88.658	W	55	D	4.6		1.0	30	EL SALVADOR
	26	10	56	28.1%	40.773	N	30.036	E	10	G			0.7	8	TURKEY
	26	10	57	24.0%	40.757	N	30.027	E	10	G			0.8	8	TURKEY
	26	12	36	27.4	38.738	N	111.770	W	5	G			0.8	24	UTAH. ML 3.5 (NEIS).
	26	12	53	45.3&	33.990	N	118.290	W	7					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.2 (PAS). Felt slightly in the Los Angeles area.
	26	13	23	07.7&	37.152	N	121.587	W	3					10	CENTRAL CALIFORNIA. <BRK>. ML 2.1 (BRK). Felt at Gilroy.
	26	16	36	28.3?	53.92	N	163.B7	W	33	N	4.7	4.3	1.3	20	UNIMAK ISLAND REGION
	26	16	59	1B.5?	8.06	S	124.26	E	178	?	4.0		0.9	6	TIMOR
	26	17	13	40.2	43.226	N	0.502	W	10	G			1.0	27	PYRENEES. ML 3.9 (LDG).
	26	17	20	31.0	41.185	N	20.253	E	10	G			0.7	11	ALBANIA. ML 3.1 (TTG).
	26	1B	46	03.9%	60.320	N	5.350	E	0	G			0.B	5	SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion.
	26	21	48	39.9	44.579	N	9.487	E	10				1.1	33	NORTHERN ITALY. ML 3.1 (LDG).
a	26	22	04	15.5	3.426	S	139.446	E	10	G	4.9	4.4	1.3	44	WEST IRIAN
	26	22	27	36.1*	22.246	S	169.975	E	33	N	4.7		1.4	29	LOYALTY ISLANDS REGION
	26	22	53	44.3%	44.141	N	6.037	E	10	G			0.2	6	FRANCE. ML 2.4 (LDG).
	26	23	01	58.7	41.772	N	15.980	E	10	G			1.2	8	SOUTHERN ITALY
a	26	23	05	48.2	21.276	S	169.180	E	24	*	5.1	5.8	1.3	139	LOYALTY ISLANDS REGION. Ms 5.9 (BRK), 5.6 (PAS).
	26	23	19	10.3*	36.790	N	101.637	E	33	N			1.1	5	QINGHAI PROVINCE, CHINA. ML 4.2 (BJI).
	26	23	30	40.1?	34.60	S	70.65	W	10	G			0.6	7	CHILE-ARGENTINA BORDER REGION
	26	23	31	47.8%	41.017	N	27.863	E	10	G			0.6	6	TURKEY
	26	23	43	36.4	40.43B	N	23.992	E	10	G			0.9	12	GREECE
a	27	00	17	04.6	2.164	S	138.170	E	21	G	5.7	6.5	1.3	231	WEST IRIAN. Ms 6.5 (BRK), 6.0 (PAS). Depth from broadband displacement seismograms.
	27	00	50	21.5?	33.42	N	24.39	E	10	G			1.5	6	MEDITERRANEAN SEA
	27	01	10	27.5?	34.B0	N	139.61	E	128		4.1		1.0	9	NEAR S. COAST OF HONSHU, JAPAN
	27	02	29	43.5*	6.500	S	143.818	E	33	N	3.5		0.4	6	PAPUA NEW GUINEA
	27	02	40	22.7?	51.03	N	19.86	E	10	G			1.0	5	POLAND
	27	02	49	03.2	2.208	S	138.303	E	33	N	4.6		1.4	35	WEST IRIAN
	27	03	07	40.5	43.837	N	11.916	E	10	G			0.7	15	CENTRAL ITALY
	27	03	16	58.3?	2.00	S	138.25	E	33	N	3.4		1.5	5	WEST IRIAN
	27	03	18	25.3	2.145	S	138.518	E	33	N	5.2	4.9	1.2	50	WEST IRIAN
	27	03	42	52.4?	2.42	S	138.05	E	33	N	4.1		1.0	6	WEST IRIAN
	27	03	43	17.3	29.230	N	130.497	E	57	*	4.8	5.1	1.3	37	RYUKYU ISLANDS
	27	03	56	41.2*	29.333	N	139.731	E	412	*	4.2		1.0	20	SOUTH OF HONSHU, JAPAN
	27	05	04	43.3*	2.2B8	S	138.300	E	33	N	4.1		1.3	20	WEST IRIAN
	27	05	19	16.8%	39.573	N	28.898	E	10	G			0.6	6	TURKEY
a	27	06	01	36.7	43.486	N	127.094	W	10	G	5.2	4.6	1.2	101	OFF COAST OF OREGON. ML 4.6 (BRK).
	27	06	22	47.0&	34.120	N	117.440	W	6	G				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt in the Rialto area.
	27	07	02	47.1?	12.19	N	144.00	E	33	N	3.7		1.5	5	SOUTH OF MARIANA ISLANDS
	27	07	03	42.0*	12.147	N	143.4B6	E	33	N	4.B		1.3	27	SOUTH OF MARIANA ISLANDS
	27	07	37	42.3	43.948	N	4.687	E	10	G			0.6	17	NEAR SOUTH COAST OF FRANCE. ML 3.3 (LDG).
a	27	07	38	56.8	24.290	N	121.646	E	27		5.2	4.9	1.2	143	TAIWAN. Felt in northeastern Taiwan.
	27	07	53	43.7*	45.460	N	25.265	E	10	G			1.4	6	ROMANIA
	27	07	57	31.0?	15.46	N	60.75	W	33	N			1.4	6	LEEWARD ISLANDS. ML 2.8 (FDF).
	27	08	41	26.2	56.023	S	27.565	W	68	D	5.4		0.9	45	SOUTH SANDWICH ISLANDS REGION
	27	09	03	02.9	30.031	N	138.823	E	435		4.9		0.9	147	SOUTH OF HONSHU, JAPAN
a	27	09	09	05.8	14.097	S	75.979	W	61	D	5.9		1.0	268	NEAR COAST OF PERU. Ms 5.2 (BRK). One house destroyed and 11 damaged in the Nazca-Inca area. Felt (VI) at Pisco and (IV) at Lima.
	27	09	21	30.4	2.204	S	138.389	E	33	N	4.7		1.3	18	WEST IRIAN
	27	12	14	56.7&	59.613	N	153.116	W	98					20	SOUTHERN ALASKA. <AGS-P>.
a	27	14	33	40.4	21.302	S	174.285	W	36	D	5.3	5.3	1.1	80	TONGA ISLANDS
	27	14	40	17.0	42.645	N	13.096	E	10	G			1.4	9	CENTRAL ITALY
	27	15	30	52.9*	19.593	S	173.466	E	33	N	4.7		1.2	21	VANUATU ISLANDS REGION

	27	15	36	52.9%	42.674	N	13.117	E	10	G			0.6	7	CENTRAL ITALY
	27	16	14	21.3	5.561	S	151.883	E	63		4.9		1.0	69	NEW BRITAIN REGION
a	27	16	29	16.3	15.631	S	173.072	W	33	N	5.1	5.0	1.1	89	TONGA ISLANDS
	27	17	09	12.4	44.147	N	149.175	E	43	D	4.9	4.7	1.1	65	KURIL ISLANDS
	27	17	18	36.0&	60.824	N	151.309	W	60					28	KENAI PENINSULA, ALASKA. <AGS-P>.
	27	17	51	59.8*	32.060	S	70.215	W	122	*	4.8		0.7	12	CHILE-ARGENTINA BORDER REGION
	27	18	35	47.5*	19.028	N	121.172	E	49	?	4.1		1.1	21	PHILIPPINE ISLANDS REGION
	27	20	39	22.2*	4.664	S	144.286	E	112	*	3.8		1.0	7	NEAR N COAST OF PAPUA NEW GUINEA
	27	21	13	52.9	37.802	N	15.457	E	10	G			0.9	6	SICILY. MD 3.0 (ROM).
a	27	22	05	19.9	21.126	S	169.206	E	32	D	5.2	5.3	1.1	118	LOYALTY ISLANDS REGION. Ms 5.5 (BRK).
	27	22	58	51.9*	36.689	N	71.493	E	33	N	4.5	4.1	0.9	11	AFGHANISTAN-USSR BORDER REGION
	27	23	23	39.5	41.348	N	142.512	E	60		5.0		1.0	161	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Urakawa. Also felt (I JMA) at Aomori and Hachinohe, Honshu.
	28	00	37	56.3*	9.733	S	28.521	E	10	G	3.6		1.4	5	ZAIRE REPUBLIC
a	28	00	50	17.8	32.820	N	24.357	E	24	D	5.2	4.4	1.2	302	NEAR COAST OF LIBYA. ML 5.4 (ATH).
	28	01	07	44.3?	22.19	S	179.07	W	500	G	4.3		1.1	20	SOUTH OF FIJI ISLANDS
	28	01	16	38.2	37.678	N	101.595	E	26		4.9		1.0	81	QINGHAI PROVINCE, CHINA
	28	02	12	51.4	44.185	N	6.033	E	10	G			1.1	57	FRANCE. ML 3.8 (LDG).
	28	02	33	26.2	40.279	N	27.510	E	10	G			0.3	9	TURKEY
	28	02	37	08.6*	0.698	S	129.935	E	71	?	4.5		1.5	12	HALMAHERA
	28	04	09	00.3*	10.217	S	117.955	E	27	*	5.1		1.3	9	SOUTH OF SUMBAWA ISLAND
	28	04	48	18.3?	1.19	N	104.22	W	10	G	4.6	4.3	1.5	11	EAST CENTRAL PACIFIC OCEAN
	28	04	56	53.6?	3.04	S	102.06	W	10	G	4.5		1.2	18	NORTHERN EASTER I. CORDILLERA
	28	05	03	44.5&	60.001	N	152.652	W	99					40	SOUTHERN ALASKA. <AGS-P>.
	28	05	34	07.3*	5.347	S	131.892	E	33	N	4.3		1.4	7	BANDA SEA
	28	05	58	09.3	35.696	N	27.209	E	40	*	4.2		1.3	49	DODECANESE ISLANDS. ML 4.3 (ATH).
	28	06	37	23.1?	35.65	N	26.09	E	33	N			0.5	5	CRETE
	28	07	40	55.1&	34.160	N	118.110	W	7					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.2 (PAS). Felt at Pasadena.
	28	09	17	38.9	46.209	N	14.912	E	23				0.9	26	YUGOSLAVIA. ML 4.0 (FUR), 3.4 (KBA), 3.3 (VKA). Felt (V) in the Zagorje ob Savi area.
	28	10	03	37.9%	39.476	N	27.877	E	10	G			1.2	7	TURKEY
	28	10	49	23.5&	61.235	N	151.635	W	81					25	SOUTHERN ALASKA. <AGS-P>.
	28	11	01	04.6*	50.924	N	159.944	E	33	N	4.6		0.9	10	KURIL ISLANDS REGION
	28	11	14	30.3	37.786	N	15.436	E	10	G			1.1	11	SICILY
	28	11	32	19.7*	34.785	N	31.839	E	33	N			1.0	8	CYPRUS. ML 3.4 (CSS).
	28	14	53	33.0*	34.668	S	72.433	W	33	N	4.3		0.7	11	NEAR COAST OF CENTRAL CHILE
	28	19	47	08.0&	61.041	N	150.498	W	58					43	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Ancharage.
	28	19	53	36.5*	6.839	N	123.761	E	10	G	4.4		0.8	9	MINDANAO, PHILIPPINE ISLANDS
	28	19	55	18.7?	18.33	S	64.37	W	33	N			1.3	6	BOLIVIA
	28	22	25	22.3%	40.365	N	28.879	E	10	G			0.1	5	TURKEY
	28	22	38	03.1	24.665	N	122.521	E	122		4.8		1.0	66	TAIWAN REGION
	28	23	10	02.4%	40.744	N	30.017	E	10	G			0.7	8	TURKEY
	29	00	51	36.7*	36.562	N	71.390	E	181	?	4.1		0.8	25	AFGHANISTAN-USSR BORDER REGION
	29	01	00	40.6*	71.669	N	2.180	W	10	G	4.2		1.0	33	JAN MAYEN ISLAND REGION
	29	01	51	43.4*	51.736	S	71.973	W	10	G	5.0		1.0	18	S. CHILE-ARGENTINA BORDER REGION
a	29	04	11	27.1	25.546	S	175.088	W	33	N	5.1		1.0	59	SOUTH OF TONGA ISLANDS
	29	05	24	18.3*	32.500	N	96.936	E	33	N			0.6	6	QINGHAI PROVINCE, CHINA
	29	06	20	36.5&	33.860	N	116.190	W	5					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	29	07	26	21.0&	34.335	N	96.726	W	5	G				6	OKLAHOMA. <TUL>. MD 1.7 (TUL).
	29	07	39	27.5?	8.42	S	112.64	E	120	?	3.9		1.3	7	JAVA
	29	08	54	34.3	37.499	N	21.478	E	24	*	4.0		1.1	29	SOUTHERN GREECE. ML 3.7 (ATH).
	29	09	55	45.2	53.831	N	163.566	W	33	N	4.6		1.0	58	UNIMAK ISLAND REGION. ML 4.6 (PMR).
	29	10	16	25.4*	45.491	N	26.348	E	150	?			0.6	14	ROMANIA
	29	11	20	04.1&	59.970	N	153.368	W	135					36	SOUTHERN ALASKA. <AGS-P>.
	29	11	58	46.6	45.171	N	23.945	E	33	N			1.2	8	ROMANIA
	29	12	41	58.6&	60.056	N	152.698	W	100					33	SOUTHERN ALASKA. <AGS-P>.
	29	13	07	25.4	42.693	N	15.262	E	22		3.9		1.3	76	ADRIATIC SEA. ML 4.2 (TTG), 4.2 (LDG). MD 4.1 (ROM).
	29	13	15	55.9	42.751	N	15.371	E	10	G			1.4	9	ADRIATIC SEA
	29	15	14	54.4*	20.650	S	68.714	W	33	N			1.0	6	CHILE-BOLIVIA BORDER REGION
	29	18	47	27.1?	22.19	S	179.74	W	600	*	4.8		1.1	24	SOUTH OF FIJI ISLANDS
	29	21	48	14.7*	34.204	S	71.063	W	33	N			0.2	8	NEAR COAST OF CENTRAL CHILE
	29	22	04	57.2	7.374	N	74.771	W	82	*	4.4		1.1	22	NORTHERN COLOMBIA
	29	22	09	53.7*	32.566	S	70.920	W	97	*			0.6	12	CHILE-ARGENTINA BORDER REGION
	29	22	49	08.8?	24.69	S	179.89	W	493	?	4.7		1.2	25	SOUTH OF FIJI ISLANDS
a	30	01	05	29.6	36.592	N	71.070	E	243	D	4.8		1.0	185	AFGHANISTAN-USSR BORDER REGION. Felt at Kabul, Afghanistan and Peshawar, Pakistan.
	30	02	54	01.5?	11.57	S	159.92	E	33	N	3.5		1.3	6	SOLOMON ISLANDS
	30	04	34	10.5%	40.118	N	29.338	E	10	G			0.5	6	TURKEY
	30	04	47	49.1%	40.141	N	29.363	E	10	G			0.4	5	TURKEY
	30	07	12	26.1*	19.543	N	145.105	E	177	*	4.3		0.4	11	MARIANA ISLANDS
	30	08	16	38.9*	38.846	N	26.191	E	10	G			0.7	12	AEGEAN SEA
	30	08	19	32.5&	61.614	N	146.492	W	31					33	SOUTHERN ALASKA. <AGS-P>. ML 3.2 (PMR).
	30	08	42	24.0?	3.14	S	146.22	E	77	?	4.3		1.1	6	BISMARCK SEA
	30	08	45	37.1?	4.75	S	138.64	E	33	N	3.4		0.8	6	WEST IRIAN
	30	09	17	07.8	36.175	N	139.986	E	70		5.0		0.9	159	HONSHU, JAPAN. Felt (IV JMA) at Mito; (III JMA) at Tokya, Yokohama and Utsunamiya; (II JMA) at Maebashi, Kumagaya and Onahama and an Oshima.
a	30	10	59	38.6*	1.070	S	13.054	W	10	G	4.7	5.0	1.3	33	NORTH OF ASCENSION ISLAND
	30	11	27	19.3*	56.748	S	147.151	E	33	N	4.5		1.0	16	WEST OF MACQUARIE ISLAND
	30	11	39	08.6*	38.894	N	23.282	E	10	G			0.7	7	GREECE. ML 3.6 (ATH).
	30	11	58	46.1*	50.619	N	5.319	E	10	G			0.4	5	BELGIUM
	30	12	41	44.1*	43.274	N	126.457	W	10	G	4.0		1.1	27	OFF COAST OF OREGON
	30	12	47	47.5	23.943	N	121.842	E	28	*	4.1		1.1	23	TAIWAN
	30	14	52	44.4*	41.915	N	19.522	E	10	G			0.3	5	ALBANIA. ML 2.1 (TTG).
	30	15	40	35.3%	59.314	N	6.856	E	0	G			0.6	6	SOUTHERN NORWAY. MD 2.0 (BER). Probable explosion.
	30	16	05	00.1&	36.999	N	116.043	W	0		4.1			35	CALIFORNIA-NEVADA BORDER REGION. <DOE>. ML 4.0 (BRK). 36' 59' 54.93" N., 116' 02' 35.06" W., Surface Elev. 1206 m., Depth of Burial 300 m., Shot Time 160500.096, "PANCHUELA", Nevada Test Site (Dept. of Energy).
	30	16	23	24.5	36.939	N	116.020	W	0	G	4.2		1.1	11	CALIFORNIA-NEVADA BORDER REGION. ML 3.6 (BRK). Collapse.
	30	17	10	19.0?	50.98	N	176.47	W	33	N	4.0		1.4	7	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.9 (PMR). Felt

											(III) on Adak.
30	17	18	03.6*	6 977	N	76.018	W	33	N	1.5	6 NORTHERN COLOMBIA
30	17	44	23.0?	21.24	S	171.00	E	131	? 4.1	0.8	9 LOYALTY ISLANDS REGION
30	17	49	28.3	15.238	S	167.430	E	133	* 4.3	1.2	60 VANUATU ISLANDS
30	18	05	46.9*	51.086	N	176.434	W	33	N 4.5	0.9	13 ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.7 (PMR). Felt (III) on Adak.
30	19	08	13.1	51.124	N	176.459	W	33	N 4.7	1.0	35 ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR). Felt (III) on Adak.
30	19	24	09.1%	15.118	N	60.888	W	33	N	1.1	7 LEEWARD ISLANDS. ML 2.8 (FDF).
30	19	45	18.3*	51.007	N	176.434	W	33	N 5.0	0.9	19 ANDREANOF ISLANDS, ALEUTIAN IS ML 3.7 (PMR). Felt (III) on Adak.
30	21	39	35.2?	18.58	N	107.79	W	10	G 4.3	0.9	10 OFF COAST OF JALISCO, MEXICO
30	22	49	24.4&	60.197	N	152.643	W	99			39 SOUTHERN ALASKA. <AGS-P>.
30	22	52	51.2?	7.58	S	119.51	E	276	? 4.5	1.0	9 FLORES SEA
30	23	22	04.2*	51.130	N	176.532	W	33	N 4.5	1.2	26 ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.0 (PMR). Felt (III) on Adak.

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 00 15 14.30 51.540N 177.509W 33km
5.3mb (77 obs.) 4.9Msz (14 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C
Centroid Location:
Origin Time 00:15:17.7 0.4
Lat 51.71N 0.03 Lon 176.90W 0.06
Dep 46.4 2.6 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.04 Plg=66 Azm=298
N 0.33 11 55
P -2.37 21 149
Best Double Couple:Mo=2.2*10**17
NP1:Strike=258 Dip=26 Slip= 116
NP2: 50 66 78

01 01 50 16.13 22.258S 68.541W 104km
5.4mb (32 obs.)
NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 01:50:25.1 0.6
Lat 22.06S 0.11 Lon 68.96W 0.06
Dep 120.7 3.0 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.64 Plg= 5 Azm= 81
N -0.74 42 347
P -7.90 47 177
Best Double Couple:Mo=8.3*10**16
NP1:Strike=207 Dip=55 Slip= -34
NP2: 319 63 -139

01 02 53 29.40 8.097N 38.026W 10km
4.9mb (26 obs.) 4.9Msz (5 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 02:53:38.5 0.8
Lat 8.45N 0.12 Lon 37.84W 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.04 Plg= 6 Azm= 96
N 0.48 6 6
P -5.52 82 233
Best Double Couple:Mo=5.3*10**16
NP1:Strike=193 Dip=39 Slip= -81
NP2: 1 51 -97

01 03 40 32.73 11.983N 62.033W 142km
5.0mb (59 obs.)
WINDWARD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 26C
Centroid Location:
Origin Time 03:40:40.1 0.9
Lat 11.91N 0.11 Lon 61.54W 0.11
Dep 156.0 3.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.55 Plg=36 Azm= 33
N -1.86 36 155
P -6.69 34 274
Best Double Couple:Mo=7.6*10**16
NP1:Strike= 62 Dip=36 Slip= 178
NP2: 154 89 54

01 11 39 08.07 51.657N 176.232W 58km
4.9mb (37 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 11:39:10.8 1.8
Lat 51.70N 0.15 Lon 176.31W 0.22
Dep 42.4 8.9 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 3.07 Plg=69 Azm=266
N 0.06 18 53
P -3.12 11 147
Best Double Couple:Mo=3.1*10**16
NP1:Strike=258 Dip=38 Slip= 120
NP2: 42 58 69

02 03 11 51.16 9.093N 83.869W 40km
4.9mb (49 obs.) 4.9Msz (11 obs.)
COSTA RICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C
Centroid Location:
Origin Time 03:11:57.3 0.4
Lat 9.20N 0.03 Lon 83.87W 0.04
Dep 36.7 3.7 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.28 Plg=11 Azm=137
N 0.03 77 281
P -2.30 8 46
Best Double Couple:Mo=2.3*10**17
NP1:Strike=181 Dip=77 Slip= 178
NP2: 272 88 13

02 16 44 51.48 4.537S 151.941E 145km
5.3mb (28 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 35C
Centroid Location:
Origin Time 16:44:55.1 0.4
Lat 4.77S 0.04 Lon 151.85E 0.04
Dep 148.7 1.2 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.64 Plg=26 Azm=151
N 0.58 33 258
P -3.22 46 30
Best Double Couple:Mo=2.9*10**17
NP1:Strike=193 Dip=35 Slip=-159
NP2: 86 78 -57

03 08 15 47.27 6.356S 148.838E 61km
5.2mb (16 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 08:15:51.2 0.3
Lat 6.40S 0.04 Lon 148.96E 0.04
Dep 27.1 3.5 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.63 Plg=62 Azm=317
N -0.31 15 76
P -2.32 24 173
Best Double Couple:Mo=2.5*10**17
NP1:Strike=291 Dip=25 Slip= 127
NP2: 71 70 74

04 23 45 41.94 4.615S 101.960E 43km
5.5mb (15 obs.) 5.8Msz (5 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 23:45:44.5 0.4
Lat 5.02S 0.05 Lon 101.74E 0.04
Dep 28.4 2.6 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 5.58 Plg=59 Azm= 9
N -0.04 7 110
P -5.53 30 204
Best Double Couple:Mo=5.6*10**17
NP1:Strike=314 Dip=16 Slip= 115
NP2: 109 75 83

05 00 34 18.26 49.115S 127.297E 10km
5.2mb (10 obs.) 5.0Msz (1 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centroid Location:
Origin Time 00:34:28.4 1.4
Lat 48.63S 0.12 Lon 126.83E 0.12
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 9.07 Plg= 0 Azm=234
N 0.34 90 180
P -9.41 0 144
Best Double Couple:Mo=9.2*10**16
NP1:Strike=279 Dip=90 Slip= 180
NP2: 9 90 0

05 16 23 16.92 11.574N 141.641E 33km
5.3mb (12 obs.) 5.1Msz (7 obs.)
WEST CAROLINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C
Centroid Location:
Origin Time 16:23:18.0 0.4
Lat 11.56N 0.06 Lon 141.76E 0.07
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.76 Plg=57 Azm= 10
N 0.09 9 266
P -1.85 31 170
Best Double Couple:Mo=1.8*10**17
NP1:Strike=232 Dip=16 Slip= 55
NP2: 88 77 99

05 21 25 11.23 5.381N 127.534E 45km
5.5mb (39 obs.) 5.7Msz (13 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 36C
Centroid Location:
Origin Time 21:25:14.6 0.2
Lat 5.10N 0.02 Lon 127.64E 0.03
Dep 15.0 FIX Half-duration 4.2

Principal Axes:
Scale 10**18 Nm
T Val= 1.45 Plg=63 Azm=303
N 0.12 14 184
P -1.57 22 89
Best Double Couple:Ma=1.5*10**18
NP1:Strike=154 Dip=26 Slip= 57
NP2: 10 69 105

05 22 00 03.10 5.265N 127.513E 47km
5.4mb (33 obs.) 5.4Msz (5 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 39C
Centraid Lacatian:
Origin Time 22:00: 4.4 0.3
Lat 4.97N 0.04 Lan 127.52E 0.05
Dep 15.6 2.6 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.00 Plg=70 Azm=251
N 0.43 5 354
P -6.42 20 86
Best Double Couple:Ma=6.2*10**17
NP1:Strike=183 Dip=26 Slip= 101
NP2: 352 65 85

05 22 50 47.15 5.333N 127.397E 69km
5.0mb (17 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centraid Lacatian:
Origin Time 22:50:44.9 0.7
Lat 5.12N 0.08 Lan 127.90E 0.08
Dep 33.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.07 Plg=58 Azm=351
N 0.23 32 174
P -2.29 1 83
Best Double Couple:Ma=2.2*10**17
NP1:Strike=145 Dip=52 Slip= 48
NP2: 20 54 131

06 18 40 27.48 10.672N 126.115E 14km
5.7mb (43 obs.) 6.3Msz (19 obs.)
PHILIPPINE ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=360 Dip=83 Slip= 90
NP2: 180 7 90
Principal Axes:
T Plg=52 Azm=270
P 38 90
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 5.3±2.1*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 13 No. of sta: 13
Principal Axes:
Scale 10**18 Nm
T Val= 4.58 Plg=52 Azm=274
N -0.15 2 181
P -4.43 38 89
Best Double Couple:Mo=4.5*10**18
NP1:Strike=163 Dip= 7 Slip= 72
NP2: 1 83 92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 14S, 38C M.W.: 13S, 27C
Centroid Lacatian:
Origin Time 18:40:33.4 0.1
Lat 10.56N 0.01 Lan 126.19E 0.01
Dep 15.5 0.7 Half-duration 6.3
Principal Axes:
Scale 10**18 Nm
T Val= 5.64 Plg=63 Azm=273
N 0.05 3 176
P -5.69 27 85
Best Double Couple:Ma=5.7*10**18
NP1:Strike=166 Dip=18 Slip= 79
NP2: 358 72 94

07 05 49 43.63 20.429N 121.366E 15km
5.8mb (90 obs.) 6.1Msz (20 obs.)
PHILIPPINE ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=223 Dip=72 Slip= 90
NP2: 43 18 90
Principal Axes:
T Plg=63 Azm=133
P 27 313
Comment: The focal mechanism is moderately well controlled and correspands to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 6 Focal mech. C
Energy 4.6±1.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 11 No. of sta: 14
Principal Axes:
Scale 10**18 Nm
T Val= 2.64 Plg=52 Azm=177
N -0.02 37 338
P -2.63 9 75
Best Double Couple:Ma=2.6*10**18
NP1:Strike=201 Dip=48 Slip= 144
NP2: 317 64 48
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 13S, 35C M.W.: 13S, 30C
Centraid Lacatian:
Origin Time 05:49:47.6 0.2
Lat 20.38N 0.02 Lan 120.95E 0.02
Dep 37.2 1.0 Half-duration 5.3
Principal Axes:
Scale 10**18 Nm
T Val= 2.62 Plg=67 Azm=163
N 0.16 18 22
P -2.77 14 288
Best Double Couple:Ma=2.7*10**18
NP1:Strike=355 Dip=35 Slip= 57
NP2: 213 61 111

07 13 30 15.92 16.827N 98.690W 41km
5.5mb (53 obs.) 4.8Msz (3 obs.)
NEAR COAST OF GUERRERO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centraid Lacatian:
Origin Time 13:30:12.6 0.8
Lat 16.36N 0.08 Lan 98.31W 0.06
Dep 46.7 4.0 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.22 Plg=66 Azm= 59
N 1.07 15 292
P -11.29 18 196
Best Double Couple:Ma=1.1*10**17
NP1:Strike=263 Dip=30 Slip= 58
NP2: 119 65 107

07 14 48 49.99 0.378S 19.076W 10km
5.0mb (58 obs.) 5.2Msz (6 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 44C
Centraid Lacatian:
Origin Time 14:49: 0.3 0.2
Lat 0.06S 0.02 Lan 18.61W 0.02
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 5.95 Plg= 2 Azm= 34
N -0.44 85 152
P -5.52 5 304
Best Double Couple:Mo=5.7*10**17
NP1:Strike= 79 Dip=85 Slip=-179
NP2: 349 89 -5

08 13 30 32.88 39.754N 74.615E 10km
5.1mb (56 obs.) 4.3Msz (2 obs.)
SOUTHERN XINJIANG, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centraid Lacatian:
Origin Time 13:30:36.4 1.2
Lat 39.64N 0.17 Lan 75.30E 0.14
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 5.74 Plg=72 Azm= 26
N 1.47 0 117
P -7.21 18 208
Best Double Couple:Ma=6.5*10**16
NP1:Strike=298 Dip=27 Slip= 91
NP2: 117 63 90

09 06 19 25.42 6.366S 148.832E 54km
5.3mb (26 obs.) 6.2Msz (25 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 46C
Centraid Lacatian:
Origin Time 06:19:31.0 0.2
Lat 6.56S 0.02 Lan 148.99E 0.02
Dep 24.1 1.5 Half-duration 5.0
Principal Axes:
Scale 10**18 Nm
T Val= 2.84 Plg=63 Azm=358
N 0.12 0 89
P -2.96 27 179
Best Double Couple:Ma=2.9*10**18
NP1:Strike=269 Dip=18 Slip= 91
NP2: 88 72 90

09 18 39 16.97 12.752N 44.537W 10km
4.9mb (36 obs.) 5.1Msz (11 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 38C
Centraid Lacatian:
Origin Time 18:39:23.3 0.2
Lat 12.66N 0.03 Lan 44.53W 0.03
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.59 Plg= 0 Azm=230
N -0.31 90 180
P -2.27 0 140
Best Double Couple:Ma=2.4*10**17
NP1:Strike=275 Dip=90 Slip= 180
NP2: 5 90 0

09 22 25 50.88 3.524N 126.706E 55km
5.1mb (10 obs.) 4.4Msz (1 obs.)
TALAUD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Lacatian:
Origin Time 22:25:49.0 0.7
Lat 3.44N 0.10 Lan 127.30E 0.12
Dep 20.5 5.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.41 Plg=77 Azm=265
N 0.55 0 355
P -6.96 13 85
Best Double Couple:Mo=6.7*10**16
NP1:Strike=176 Dip=32 Slip= 90
NP2: 355 58 90

09 22 46 11.56 35.278S 106.666W 10km
5.4mb (7 obs.) 5.1Msz (3 obs.)
EASTER ISLAND CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 37C
Centroid Lacatian:
Origin Time 22:46:18.5 0.2
Lat 35.30S 0.03 Lan 106.41W 0.03
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.81 Plg= 0 Azm=230
N -0.99 90 180
P -2.82 0 140
Best Double Couple:Mo=3.3*10**17
NP1:Strike=275 Dip=90 Slip= 180
NP2: 5 90 0

10 01 56 37.96 2.766S 138.952E 35km
5.2mb (9 obs.) 5.1Msz (2 obs.)
WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centroid Lacatian:
Origin Time 01:56:41.4 0.4
Lat 2.58S 0.05 Lan 138.94E 0.05
Dep 25.3 3.5 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.40 Plg=63 Azm=205

N -0.01 6 104
P -2.39 26 11
Best Double Couple:Mo=2.4*10**17
NP1:Strike= 87 Dip=19 Slip= 73
NP2: 285 72 96

10 14 50 11.51 37.230N 21.465E 41km
5.2mb (59 obs.) 5.1Msz (4 obs.)
SOUTHERN GREECE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 14:50:13.9 1.4
Lat 36.83N 0.13 Lon 21.89E 0.12
Dep 37.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 11.39 Plg=31 Azm=349
N -0.50 44 114
P -10.90 31 239
Best Double Couple:Mo=1.1*10**17
NP1:Strike= 24 Dip=44 Slip= 180
NP2: 114 90 46

10 16 03 55.11 4.135N 94.810E 52km
5.4mb (72 obs.) 5.3Msz (9 obs.)
OFF W COAST OF NORTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 38C
Centroid Location:
Origin Time 16:04: 0.3 0.3
Lat 4.01N 0.03 Lon 94.51E 0.03
Dep 45.1 2.7 Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 5.32 Plg=16 Azm= 44
N -0.63 41 300
P -4.69 45 150
Best Double Couple:Mo=5.0*10**17
NP1:Strike=176 Dip=46 Slip= -25
NP2: 284 72 -133

10 19 51 30.33 60.167S 26.954W 33km
5.6mb (18 obs.) 6.1Msz (14 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 16S, 44C M.W.: 15S, 34C
Centroid Location:
Origin Time 19:51:32.6 0.1
Lat 60.56S 0.01 Lon 27.45W 0.03
Dep 15.0 FIX Half-duration 5.0
Principal Axes:
Scale 10**18 Nm
T Val= 2.75 Plg=15 Azm=230
N -0.43 74 30
P -2.32 5 138
Best Double Couple:Mo=2.5*10**18
NP1:Strike=273 Dip=76 Slip= 173
NP2: 5 83 14

11 05 08 53.28 20.559S 70.855W 33km
5.1mb (14 obs.) 4.3Msz (1 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 05:08:58.5 0.7
Lat 20.41S 0.13 Lon 71.43W 0.09
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 5.52 Plg=65 Azm= 26
N -0.53 19 164
P -4.99 16 259
Best Double Couple:Mo=5.3*10**16
NP1:Strike= 15 Dip=34 Slip= 126
NP2: 154 63 69

12 09 51 01.61 25.454N 122.154E 273km
5.4mb (84 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C
Centroid Location:
Origin Time 09:51: 4.9 0.6
Lat 25.08N 0.05 Lon 121.77E 0.07
Dep 267.2 3.3 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.47 Plg= 3 Azm= 76
N 0.13 9 166
P -1.60 81 326
Best Double Couple:Mo=1.5*10**17
NP1:Strike=156 Dip=42 Slip=-103
NP2: 354 49 -78

12 13 06 50.38 49.649S 117.337E 10km
5.1mb (9 obs.) 5.4Msz (1 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 13:06:56.2 0.6
Lat 49.20S 0.06 Lon 117.72E 0.08
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.68 Plg=17 Azm=208
N 0.03 3 117
P -1.71 72 17
Best Double Couple:Mo=1.7*10**17
NP1:Strike=303 Dip=28 Slip= -83
NP2: 115 62 -94

12 18 01 33.67 5.364S 150.311E 217km
5.2mb (14 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centroid Location:
Origin Time 18:01:37.3 0.7
Lat 5.41S 0.06 Lon 150.28E 0.08
Dep 213.5 3.1 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.13 Plg=56 Azm= 48
N -2.71 16 292
P -7.42 29 193
Best Double Couple:Mo=8.8*10**16
NP1:Strike=247 Dip=22 Slip= 42
NP2: 117 75 107

13 10 40 16.89 19.706S 179.807W 488km
5.3mb (53 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 10:40:22.1 0.6
Lat 19.77S 0.05 Lon 179.63W 0.05
Dep 521.5 2.7 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.32 Plg= 4 Azm= 70
N 0.12 85 209
P -2.44 4 340
Best Double Couple:Mo=2.4*10**17
NP1:Strike=115 Dip=85 Slip= 180
NP2: 205 90 5

13 14 00 39.31 44.671N 150.392E 42km
5.8mb (54 obs.) 5.8Msz (13 obs.)
KURIL ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 40 Dip=72 Slip= 90
NP2: 220 18 90
Principal Axes:
T Plg=63 Azm=310
P 27 130
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 1.7±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 3 No. of sta: 20
Principal Axes:
Scale 10**18 Nm
T Val= 0.93 Plg=54 Azm=287
N 0.22 9 29
P -1.14 35 126
Best Double Couple:Mo=1.0*10**18
NP1:Strike=252 Dip=13 Slip= 133
NP2: 28 80 81
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 36C
Centroid Location:
Origin Time 14:00:40.3 0.5
Lat 44.77N 0.05 Lon 151.02E 0.08
Dep 20.4 3.0 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.47 Plg=69 Azm=317
N 0.29 3 219
P -2.76 21 128
Best Double Couple:Mo=2.6*10**17
NP1:Strike=213 Dip=24 Slip= 83
NP2: 41 66 93

13 15 41 10.87 44.625N 150.387E 44km
5.6mb (54 obs.) 5.4Msz (9 obs.)
KURIL ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 28C
Centroid Location:
Origin Time 15:41:13.9 0.6
Lat 44.50N FIX;Lon 150.48E FIX
Dep 26.1 4.5 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 9.12 Plg=80 Azm=265
N 3.73 6 31
P -12.84 8 122
Best Double Couple:Mo=1.1*10**17
NP1:Strike=219 Dip=38 Slip= 99
NP2: 27 53 83

14 05 07 26.87 10.429N 126.147E 13km
5.6mb (33 obs.) 5.9Msz (12 obs.)
PHILIPPINE ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 39 Dip=65 Slip= 90
NP2: 219 25 90
Principal Axes:
T Plg=70 Azm=309
P 20 129
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 5.0±1.1*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 25 No. of sta: 11
Principal Axes:
Scale 10**18 Nm
T Val= 2.38 Plg=56 Azm=267
N -0.02 13 18
P -2.36 31 116
Best Double Couple:Mo=2.4*10**18
NP1:Strike=242 Dip=19 Slip= 136
NP2: 15 77 76
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 29C
Centroid Location:
Origin Time 05:07:33.3 0.2
Lat 10.34N 0.02 Lon 126.30E 0.03
Dep 15.0 FIX Half-duration 4.8
Principal Axes:
Scale 10**18 Nm
T Val= 2.43 Plg=64 Azm=284
N 0.10 4 186
P -2.53 26 94
Best Double Couple:Mo=2.5*10**18
NP1:Strike=175 Dip=20 Slip= 78
NP2: 7 71 94

14 18 22 12.07 58.269S 65.623W 10km
5.2mb (10 obs.) 5.1Msz (2 obs.)
DRAKE PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centroid Location:
Origin Time 18:22:17.9 0.3
Lat 58.47S 0.03 Lon 64.83W 0.08
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.31 Plg= 0 Azm=149
N -0.57 90 180
P -1.74 0 59
Best Double Couple:Mo=2.0*10**17

NP1:Strike=194 Dip=90 Slip= 180
NP2: 284 90 0

15 00 18 50.75 7.085S 129.440E 140km
5.5mb (31 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 00:18:55.9 1.1
Lat 6.94S 0.10 Lon 129.74E 0.13
Dep 166.1 4.1 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.91 Plg=54 Azm=316
N -4.29 36 131
P -4.62 3 223
Best Double Couple:Mo=6.8*10**16
NP1:Strike=344 Dip=53 Slip= 137
NP2: 103 57 46

15 06 23 09.80 12.479S 76.731W 51km
5.5mb (43 obs.) 4.5Msz (2 obs.)
NEAR COAST OF PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 31C
Centroid Location:
Origin Time 06:23:17.7 0.5
Lat 12.17S 0.06 Lon 77.48W 0.04
Dep 46.2 4.0 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.60 Plg=68 Azm=124
N 0.38 11 5
P -1.98 18 271
Best Double Couple:Mo=1.8*10**17
NP1:Strike=344 Dip=28 Slip= 67
NP2: 190 64 102

15 21 05 11.33 19.074S 63.910W 591km
5.4mb (81 obs.)
SOUTHERN BOLIVIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Location:
Origin Time 21:05:14.5 0.6
Lat 19.45S 0.08 Lon 64.25W 0.08
Dep 605.6 4.6 Half-duration 1.9
Principal Axes:
Scale 10**16 Nm
T Val= 14.57 Plg=38 Azm=242
N -1.07 23 133
P -13.50 44 19
Best Double Couple:Mo=1.4*10**17
NP1:Strike= 34 Dip=23 Slip= -8
NP2: 132 87 -113

16 20 17 02.38 22.931S 176.727W 146km
5.3mb (20 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 35C
Centroid Location:
Origin Time 20:17: 8.9 0.4
Lat 22.85S 0.04 Lon 176.67W 0.04
Dep 132.1 1.5 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.02 Plg=25 Azm= 91
N 0.77 8 185
P -2.79 63 291
Best Double Couple:Mo=2.4*10**17
NP1:Strike=164 Dip=21 Slip=-112
NP2: 7 71 -82

16 22 04 06.34 14.798N 55.807E 10km
5.0mb (32 obs.)
ARABIAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 22:04: 0.5 2.1
Lat 14.25N 0.19 Lon 55.53E 0.11
Dep 15.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 4.13 Plg= 1 Azm=196
N -0.14 25 106
P -3.99 65 288
Best Double Couple:Mo=4.1*10**16
NP1:Strike=310 Dip=49 Slip= -56
NP2: 84 51 -123

17 01 32 53.72 5.577S 130.791E 67km
6.6mb (49 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=320 Dip=60 Slip= 145
NP2: 69 60 35
Principal Axes:
T Plg=45 Azm=285
P 0 195
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. C
Energy 2.2±0.6*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 86 No. of sta: 9
Principal Axes:
Scale 10**19 Nm
T Val= 4.74 Plg=58 Azm=290
N -0.04 32 124
P -4.70 6 30
Best Double Couple:Mo=4.7*10**19
NP1:Strike= 90 Dip=48 Slip= 45
NP2: 326 59 128
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 13S, 36C M.W.: 12S, 35C
Centroid Location:
Origin Time 01:33: 0.8 0.1
Lat 5.53S 0.01 Lon 131.20E 0.01
Dep 75.4 0.6 Half-duration 14.0
Principal Axes:
Scale 10**19 Nm
T Val= 4.78 Plg=52 Azm=280
N 0.00 37 85
P -4.77 7 181
Best Double Couple:Mo=4.8*10**19
NP1:Strike=305 Dip=50 Slip= 142
NP2: 62 62 47

18 10 01 07.30 17.291N 121.356E 43km
5.5mb (37 obs.) 6.0Msz (11 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 31C
Centroid Location:
Origin Time 10:01: 6.7 0.3
Lat 17.21N 0.04 Lon 121.36E 0.05
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**17 Nm
T Val= 7.44 Plg=12 Azm= 71
N 1.13 77 235
P -8.57 3 340
Best Double Couple:Mo=8.0*10**17
NP1:Strike=115 Dip=79 Slip= 174
NP2: 206 84 11

18 14 03 15.19 10.707S 162.326E 73km
6.0mb (49 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 35 Dip=82 Slip= 20
NP2: 302 70 171
Principal Axes:
T Plg=20 Azm=260
P 8 167
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. C
Energy 4.0±1.1*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 69 No. of sta: 8
Principal Axes:
Scale 10**18 Nm
T Val= 3.05 Plg=24 Azm=270
N 0.11 55 39
P -3.15 24 169
Best Double Couple:Mo=3.1*10**18
NP1:Strike=310 Dip=55 Slip=-180
NP2: 220 90 -35
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 14S, 41C M.W.: 15S, 33C
Centroid Location:
Origin Time 14:03:23.0 0.1
Lat 10.59S 0.01 Lon 162.38E 0.01
Dep 86.4 0.8 Half-duration 5.6
Principal Axes:
Scale 10**18 Nm
T Val= 4.04 Plg=31 Azm=275
N -0.67 50 50
P -3.37 23 170
Best Double Couple:Mo=3.7*10**18
NP1:Strike=310 Dip=51 Slip= 174
NP2: 44 85 40

19 01 10 16.87 17.785N 144.949E 37km
5.1mb (16 obs.) 4.9Msz (2 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 32C
Centroid Location:
Origin Time 01:10:16.2 0.4
Lat 17.59N 0.04 Lon 144.83E 0.04
Dep 37.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.33 Plg= 1 Azm=249
N -0.08 9 339
P -1.24 81 151
Best Double Couple:Mo=1.3*10**17
NP1:Strike=330 Dip=44 Slip=-103
NP2: 168 47 -77

19 01 38 43.14 17.726N 144.866E 38km
5.4mb (28 obs.) 5.1Msz (3 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 30C
Centroid Location:
Origin Time 01:38:43.5 0.6
Lat 17.58N 0.08 Lon 144.85E 0.06
Dep 36.9 6.9 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.17 Plg= 7 Azm=258
N 0.02 20 351
P -1.20 68 151
Best Double Couple:Mo=1.2*10**17
NP1:Strike=326 Dip=42 Slip=-121
NP2: 186 55 -65

19 12 56 51.89 7.476N 82.176W 10km
4.8mb (9 obs.) 4.7Msz (1 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 12:56:58.3 0.7
Lat 7.30N 0.07 Lon 82.46W 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 10.52 Plg=16 Azm=317
N -1.19 70 101
P -9.33 11 224
Best Double Couple:Mo=9.9*10**16
NP1:Strike= 0 Dip=71 Slip= 176
NP2: 91 87 19

19 18 45 41.64 36.791N 28.193E 80km
5.0mb (57 obs.)
DODECANESE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 25C
Centroid Location:
Origin Time 18:45:42.0 0.5
Lat 36.44N 0.04 Lon 28.01E 0.11
Dep 59.5 5.5 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 0.90 Plg=54 Azm=287
N 0.47 36 104
P -1.37 1 195
Best Double Couple:Mo=1.1*10**17

NP1:Strike=316 Dip=54 Slip= 137
NP2: 75 56 44

19 19 00 05.12 21.213S 68.362W 86km
5.6mb (59 obs.)
CHILE-BOLIVIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 37C
Centroid Locotion:
Origin Time 19:00:13.2 0.3
Lot 21.29S 0.04 Lon 68.94W 0.04
Dep 133.2 1.7 Half-duration 2.8
Principol Axes:
Scole 10**17 Nm
T Vol= 4.23 Plg=17 Azm= 88
N -0.16 12 355
P -4.07 69 232
Best Double Couple:Ma=4.1*10**17
NP1:Strike=196 Dip=30 Slip= -65
NP2: 349 63 -103

20 05 39 32.80 7.053S 129.637E 87km
5.6mb (31 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 40C
Centroid Location:
Origin Time 05:39:39.2 0.3
Lat 6.96S 0.03 Lon 129.74E 0.03
Dep 96.8 2.3 Half-duratian 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.17 Plg=69 Azm=261
N 0.51 3 358
P -3.68 21 89
Best Double Couple:Ma=3.4*10**17
NP1:Strike=184 Dip=24 Slip= 97
NP2: 357 66 87

20 21 45 29.13 21.377S 170.301E 181km
5.4mb (25 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centraid Location:
Origin Time 21:45:35.3 0.9
Lat 21.39S 0.08 Lon 169.91E 0.08
Dep 165.2 2.6 Half-duratian 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 11.88 Plg=17 Azm=125
N -0.47 51 13
P -11.41 34 226
Best Double Couple:Ma=1.2*10**17
NP1:Strike=260 Dip=53 Slip= -14
NP2: 359 79 -142

21 00 02 46.21 2.267N 126.908E 70km
5.4mb (25 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 00:02:53.7 0.4
Lat 2.40N 0.04 Lon 127.08E 0.04
Dep 64.2 3.5 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.30 Plg=11 Azm=154
N -0.13 70 32
P -2.17 17 248
Best Double Couple:Mo=2.2*10**17
NP1:Strike=290 Dip=70 Slip= -4
NP2: 22 86 -160

21 01 49 12.63 22.172N 123.821E 15km
4.9mb (26 obs.) 4.8Msz (2 obs.)
SOUTHEAST OF TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centraid Locatian:
Origin Time 01:49:14.8 0.8
Lat 21.95N 0.12 Lan 123.41E 0.17
Dep 64.1 5.8 Half-duratian 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.75 Plg=70 Azm=178
N 2.05 18 28
P -6.80 9 295
Best Double Couple:Mo=5.8*10**16
NP1:Strike= 5 Dip=39 Slip= 61
NP2: 220 57 111

21 05 46 10 01 54.211N 162.601W 34km
6.2mb (85 obs.) 6.2Msz (26 obs.)
ALASKA PENINSULA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 60 Dip=72 Slip= 90
NP2: 240 18 90
Principal Axes:
T Plg=63 Azm=330
P 27 150
Comment: The focal mechanism is poorly controlled and corresponds to reverse foulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 13 Facal mech. F
Energy 4.6±0.9*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 33 Na. af sta: 17
Principal Axes:
Scale 10**18 Nm
T Val= 5.65 Plg=70 Azm=328
N 0.35 5 73
P -6.00 20 165
Best Double Couple:Ma=5.8*10**18
NP1:Strike=264 Dip=26 Slip= 103
NP2: 70 65 84
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 17S, 45C M.W.: 17S, 39C
Centraid Locatian:
Origin Time 05:46:14.8 0.1
Lat 54.14N 0.01 Lon 162.22W 0.02
Dep 34.5 0.8 Half-duration 6.8
Principal Axes:
Scale 10**18 Nm
T Val= 6.66 Plg=66 Azm=326
N 0.04 2 60
P -6.69 24 151
Best Double Couple:Mo=6.7*10**18
NP1:Strike=245 Dip=22 Slip= 95
NP2: 60 69 88

21 10 08 58.55 57.295S 66.815W 33km
5.5mb (18 obs.) 5.0Msz (4 obs.)
DRAKE PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centraid Locatian:
Origin Time 10:09: 1.9 0.5
Lat 57.56S 0.04 Lon 66.90W 0.12
Dep 15.0 FIX Half-duratian 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.81 Plg= 0 Azm=122
N -0.24 90 180
P -1.57 0 32
Best Double Couple:Mo=1.7*10**17
NP1:Strike=167 Dip=90 Slip= 180
NP2: 257 90 0

22 05 16 33.76 27.573S 178.543W 292km
5.3mb (47 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 40C
Centroid Location:
Origin Time 05:16:43.5 0.3
Lat 27.24S 0.03 Lon 178.74W 0.03
Dep 308.8 1.2 Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 5.09 Plg=21 Azm= 95
N -0.04 21 356
P -5.05 59 226
Best Double Couple:Mo=5.1*10**17
NP1:Strike=217 Dip=30 Slip= -45
NP2: 348 69 -112

22 11 08 10.99 4.171S 152.912E 49km
4.8mb (11 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centraid Locatian:
Origin Time 11:08:19.9 1.5
Lat 4.00S 0.12 Lon 152.12E 0.15
Dep 94.711.7 Half-duration 1.3
Principal Axes:
Scole 10**16 Nm
T Vol= 4 31 Plg=14 Azm=138
N -0.50 74 343
P -3.81 6 230
Best Double Couple:Mo=4.1*10**16
NP1:Strike=275 Dip=75 Slip= 6
NP2: 183 84 165

22 19 23 34.84 7.374N 82.219W 19km
5.3mb (57 obs.) 5.0Msz (7 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 40C
Centroid Locotion:
Origin Time 19:23:42.1 0.4
Lat 7.44N 0.04 Lon 82.44W 0.04
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**17 Nm
T Vol= 4.27 Plg=20 Azm=318
N -0.52 70 128
P -3.75 3 227
Best Double Couple:Ma=4.0*10**17
NP1:Strike= 1 Dip=74 Slip= 168
NP2: 95 79 17

23 04 27 44.68 11.532S 166.376E 51km
5.2mb (13 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Locatian:
Origin Time 04:27:49.6 0.3
Lat 11.66S 0.04 Lan 166.01E 0.03
Dep 61.7 2.7 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.53 Plg=82 Azm=298
N 0.07 4 178
P -1.60 7 87
Best Double Couple:Mo=1.6*10**17
NP1:Strike=172 Dip=38 Slip= 83
NP2: 1 52 95

24 03 30 30.70 21.179S 173.581E 33km
5.7mb (39 obs.) 6.4Msz (21 obs.)
VANUATU ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 14S, 39C M.W.: 12S, 25C
Centroid Locatian:
Origin Time 03:30:38.4 0.2
Lot 20.97S 0.01 Lan 173.48E 0.02
Dep 29.9 1.2 Half-duratian 6.5
Principal Axes:
Scale 10**18 Nm
T Val= 5.68 Plg= 1 Azm=249
N -0.22 89 54
P -5.46 0 159
Best Double Couple:Mo=5.6*10**18
NP1:Strike=294 Dip=89 Slip= 180
NP2: 24 90 1

24 10 16 32.61 21.069S 173.298E 33km
4.7mb (10 obs.) 5.4Msz (5 obs.)
VANUATU ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centraid Location:
Origin Time 10:16:33.1 0.4
Lat 21.29S 0.03 Lan 173.78E 0.03
Dep 29.8 3.6 Half-duratian 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 5.05 Plg= 9 Azm=244
N -0.43 81 47
P -4.62 3 153
Best Double Couple:Mo=4.8*10**17
NP1:Strike=288 Dip=82 Slip= 176
NP2: 19 86 8

24 10 42 25.24 21.243S 173.640E 33km
5.1mb (16 obs.) 5.6Msz (4 obs.)
VANUATU ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN

L.P.B.: 11S, 26C
Centroid Locotion:
Origin Time 10:42:31.1 0.7
Lat 21.21S 0.06 Lon 173.33E 0.06
Dep 40.5 5.6 Half-durotion 3.0
Principol Axes:
Scole 10**17 Nm
T Vol= 5.59 Plg=15 Azm= 62
N -0.30 73 272
P -5.29 8 154
Best Double Couple:Mo=5.4*10**17
NP1:Strike=199 Dip=74 Slip= 5
NP2: 108 85 164

24 13 27 59.98 59.657S 26.127W 33km
5.3mb (11 obs.) 5.4Msz (6 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 41C
Centraid Locotion:
Origin Time 13:28: 6.5 0.2
Lat 60.34S 0.04 Lon 25.89W 0.07
Dep 15.0 FIX Half-durotion 2.8
Principal Axes:
Scole 10**17 Nm
T Vol= 5.45 Plg=62 Azm=260
N -0.67 21 36
P -4.78 18 133
Best Double Couple:Mo=5.1*10**17
NP1:Strike=252 Dip=33 Slip= 131
NP2: 26 66 67

25 02 49 39.71 47.297N 27.463W 10km
5.5mb (70 obs.) 5.4Msz (17 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 02:49:42.6 0.3
Lat 46.97N 0.06 Lon 27.50W 0.04
Dep 15.0 FIX Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 4.80 Plg= 3 Azm=268
N -0.55 16 359
P -4.25 74 168
Best Double Couple:Ma=4.5*10**17
NP1:Strike=342 Dip=44 Slip=-113
NP2: 193 50 -69

25 03 27 07.46 41.519N 143.612E 38km
5.4mb (69 obs.) 4.7Msz (3 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centraid Locatian:
Origin Time 03:27: 9.0 1.2
Lat 41.24N 0.20 Lan 143.31E 0.37
Dep 15.0 FIX Half-duratian 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.04 Plg=17 Azm=180
N 0.73 32 79
P -5.77 53 293
Best Double Cauple:Mo=5.4*10**16
NP1:Strike=307 Dip=40 Slip= -35
NP2: 65 69 -124

26 07 11 59.73 37.086N 142.116E 21km
5.4mb (77 obs.) 5.2Msz (2 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 30C
Centraid Locatian:
Origin Time 07:12: 3.2 0.7
Lat 37.06N 0.07 Lan 141.96E 0.10
Dep 15.0 FIX Half-duratian 2.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.02 Plg=86 Azm= 76
N 0.28 3 210
P -8.30 3 300
Best Double Cauple:Ma=8.2*10**16
NP1:Strike= 33 Dip=42 Slip= 94
NP2: 208 48 86

26 08 27 22.58 10.500S 161.070E 82km
5.4mb (24 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 08:27:22.1 0.5
Lat 10.73S 0.04 Lan 161.11E 0.05
Dep 66.5 4.7 Half-durotion 1.8
Principal Axes:
Scole 10**17 Nm
T Vol= 1.12 Plg= 3 Azm=323
N 0.27 82 212
P -1.39 8 54
Best Double Couple:Mo=1.3*10**17
NP1:Strike= 98 Dip=82 Slip= -3
NP2: 189 87 -172

26 22 04 15.59 3.426S 139.446E 10km
4.9mb (12 obs.) 4.4Msz (1 obs.)
WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 22:04:25.0 0.9
Lat 3.19S 0.07 Lan 139.36E 0.11
Dep 37.6 7.7 Half-duratian 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 4.14 Plg=70 Azm=300
N 0.12 20 120
P -4.26 0 30
Best Double Couple:Mo=4.2*10**16
NP1:Strike=101 Dip=48 Slip= 63
NP2: 318 48 117

26 23 05 48.29 21.276S 169.180E 24km
5.1mb (12 obs.) 5.8Msz (15 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 44C
Centroid Location:
Origin Time 23:06: 0.0 0.2
Lat 20.95S 0.03 Lan 168.79E 0.02
Dep 17.2 1.2 Half-duratian 4.2
Principal Axes:
Scale 10**18 Nm
T Val= 1.59 Plg=70 Azm= 28
N 0.05 12 154
P -1.64 16 247
Best Double Couple:Ma=1.6*10**18
NP1:Strike=354 Dip=31 Slip= 114
NP2: 147 62 76

27 00 17 04.61 2.164S 138.170E 21km
5.7mb (35 obs.) 6.5Msz (24 obs.)
WEST IRIAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 15 Dip=86 Slip= 159
NP2: 107 69 4
Principal Axes:
T Plg=18 Azm=329
P 12 63
Comment: The focal mechanism is poorly cantralled and carresponds ta strike-slip faulting with a maderate reverse campanent. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Facal mech. F
Energy 1.4±0.3*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 13 Na. of sta: 13
Principal Axes:
Scale 10**18 Nm
T Val= 9.08 Plg=15 Azm=344
N -0.03 75 172
P -9.06 2 75
Best Double Couple:Mo=9.1*10**18
NP1:Strike=120 Dip=78 Slip= 9
NP2: 28 81 168
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN, IDA
L.P.B.: 16S, 46C M.W.: 16S, 34C
Centraid Location:
Origin Time 00:17:11.8 0.1
Lat 1.94S 0.01 Lan 138.23E 0.01
Dep 27.2 1.1 Half-duratian 6.7
Principal Axes:
Scale 10**18 Nm
T Val= 8.28 Plg=28 Azm=335
N -0.10 52 201
P -8.18 23 78
Best Double Couple:Mo=8.2*10**18
NP1:Strike=118 Dip=53 Slip= 5
NP2: 25 86 142

27 06 01 36.71 43.486N 127.094W 10km
5.2mb (24 obs.) 4.6Msz (5 obs.)
OFF COAST OF OREGON
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C
Centroid Location:
Origin Time 06:01:35.7 0.7
Lat 42.81N 0.09 Lan 127.21W 0.08
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**16 Nm
T Val= 13.70 Plg= 5 Azm=249
N 0.96 74 356
P -14.66 15 157
Best Double Couple:Ma=1.4*10**17
NP1:Strike=294 Dip=76 Slip=-173
NP2: 202 83 -14

27 07 38 56.84 24.290N 121.646E 27km
5.2mb (39 obs.) 4.9Msz (2 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 07:38:57.1 0.8
Lat 24.12N 0.12 Lan 121.04E 0.13
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 5.91 Plg=14 Azm= 93
N 0.77 14 359
P -6.68 70 227
Best Double Couple:Ma=6.3*10**16
NP1:Strike=201 Dip=33 Slip= -64
NP2: 351 61 -106

27 09 09 05.86 14.097S 75.979W 61km
5.9mb (80 obs.)
NEAR COAST OF PERU
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=324 Dip=86 Slip= -45
NP2: 58 45 -174
Principal Axes:
T Plg=27 Azm= 20
P 33 271
Comment: The focal mechanism is moderately well cantralled and carresponds ta normal faulting with a large strike-slip campanent. The preferred fault plane is nat determined.
MOMENT TENSOR SOLUTION
Dep 54 Na. af sta: 8
Principal Axes:
Scale 10**18 Nm
T Val= 1.93 Plg=24 Azm= 12
N 0.11 42 125
P -2.04 39 260
Best Dauble Cauple:Mo=2.0*10**18
NP1:Strike= 53 Dip=43 Slip=-167
NP2: 313 81 -48
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 51C
Centraid Lacatian:
Origin Time 09:09:11.7 0.2
Lat 13.92S 0.02 Lan 75.94W 0.03
Dep 72.4 3.1 Half-duration 3.7
Principal Axes:
Scale 10**17 Nm
T Val= 10.40 Plg=34 Azm= 33
N -0.41 10 130
P -9.99 54 235
Best Dauble Couple:Ma=1.0*10**18
NP1:Strike= 87 Dip=15 Slip=-134
NP2: 312 79 -79

27 14 33 40.43 21.302S 174.285W 36km
5.3mb (20 obs.) 5.3Msz (3 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 37C
Centroid Lacatian:
Origin Time 14:33:42.4 0.8

Lat 21.53S 0.07 Lon 173.72W 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 8.61 Plg=70 Azm=298
N 0.54 8 187
P -9.15 19 94
Best Double Couple:Mo=8.9*10**16
NP1:Strike=172 Dip=27 Slip= 73
NP2: 10 64 98

27 16 29 16.35 15.631S 173.072W 33km
5.1mb (23 obs.) 5.0Msz (3 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 43C
Centroid Location:
Origin Time 16:29:22.5 0.3
Lat 15.47S 0.04 Lon 172.99W 0.04
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.98 Plg=51 Azm=317
N -0.04 22 196
P -2.94 30 93
Best Double Couple:Mo=3.0*10**17
NP1:Strike=137 Dip=25 Slip= 28
NP2: 21 79 112

27 22 05 19.99 21.126S 169.206E 32km
5.2mb (12 obs.) 5.3Msz (5 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 41C
Centroid Location:
Origin Time 22:05:27.3 0.2
Lat 21.04S 0.03 Lon 168.87E 0.03
Dep 31.4 1.9 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.56 Plg=70 Azm= 12
N 0.06 16 153
P -2.62 12 247
Best Double Couple:Mo=2.6*10**17
NP1:Strike=356 Dip=36 Slip= 118
NP2: 143 59 71

28 00 50 17.86 32.820N 24.357E 24km
5.2mb (49 obs.) 4.4Msz (2 obs.)
NEAR COAST OF LIBYA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 00:50:20.5 1.1
Lat 32.55N 0.10 Lon 24.49E 0.13
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**16 Nm
T Val= 13.22 Plg=29 Azm=183
N -0.25 40 66
P -12.96 37 297
Best Double Couple:Mo=1.3*10**17
NP1:Strike=326 Dip=40 Slip= -7
NP2: 62 85 -130

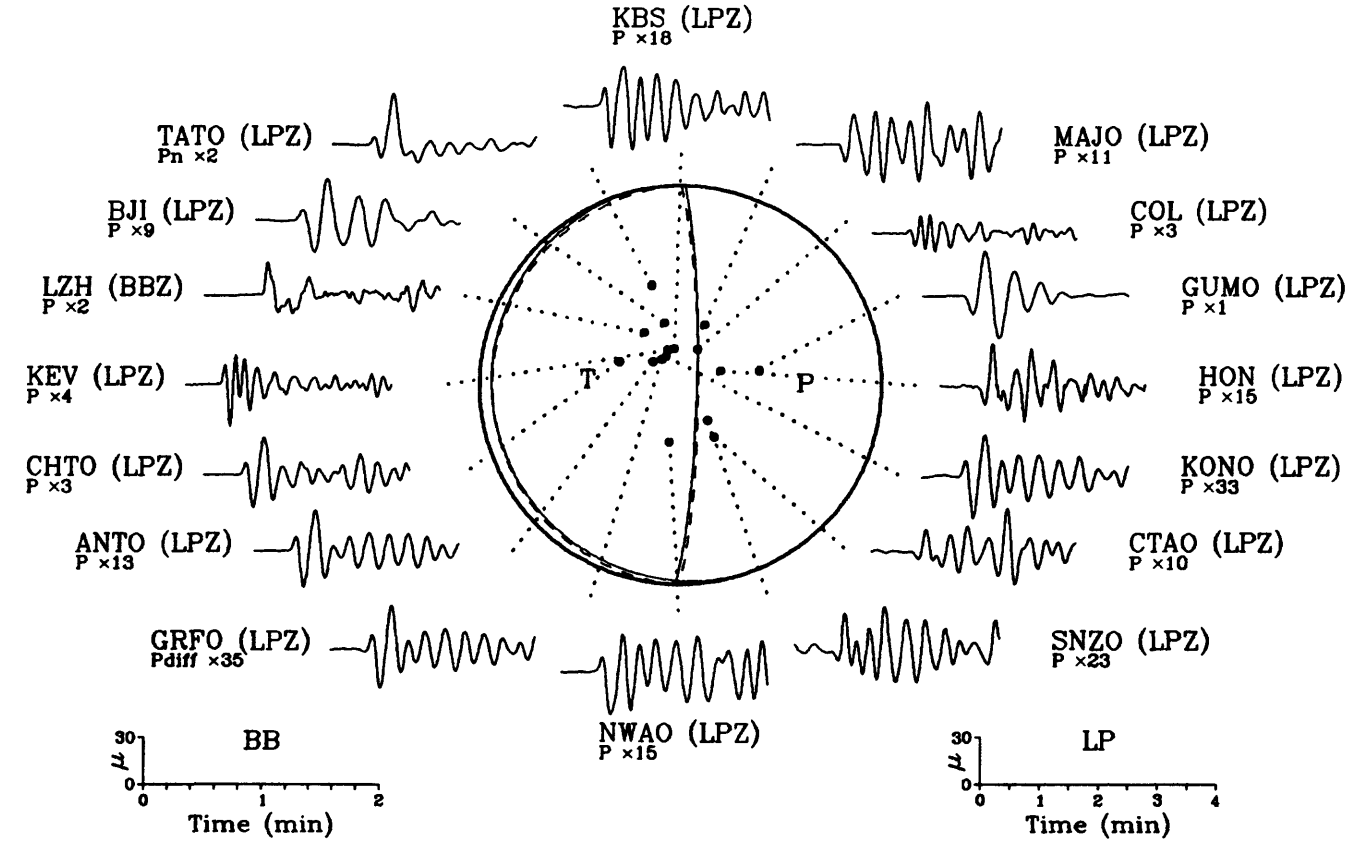
29 04 11 27.15 25.546S 175.088W 33km
5.1mb (11 obs.)
SOUTH OF TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 04:11:29.7 1.1
Lat 25.49S 0.11 Lon 174.86W 0.13
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 5.51 Plg=28 Azm=256
N 1.53 29 149
P -7.03 48 22
Best Double Couple:Mo=6.3*10**16
NP1:Strike= 34 Dip=31 Slip= -22
NP2: 143 79 -120

30 01 05 29.67 36.592N 71.070E 243km
4.8mb (62 obs.)
AFGHANISTAN-USSR BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 01:05:32.7 0.9
Lat 36.53N 0.11 Lon 71.38E 0.09
Dep 238.2 5.5 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.20 Plg=49 Azm=254
N -0.65 0 163
P -5.55 41 73
Best Double Couple:Mo=5.9*10**16
NP1:Strike=157 Dip= 4 Slip= 84
NP2: 343 86 90

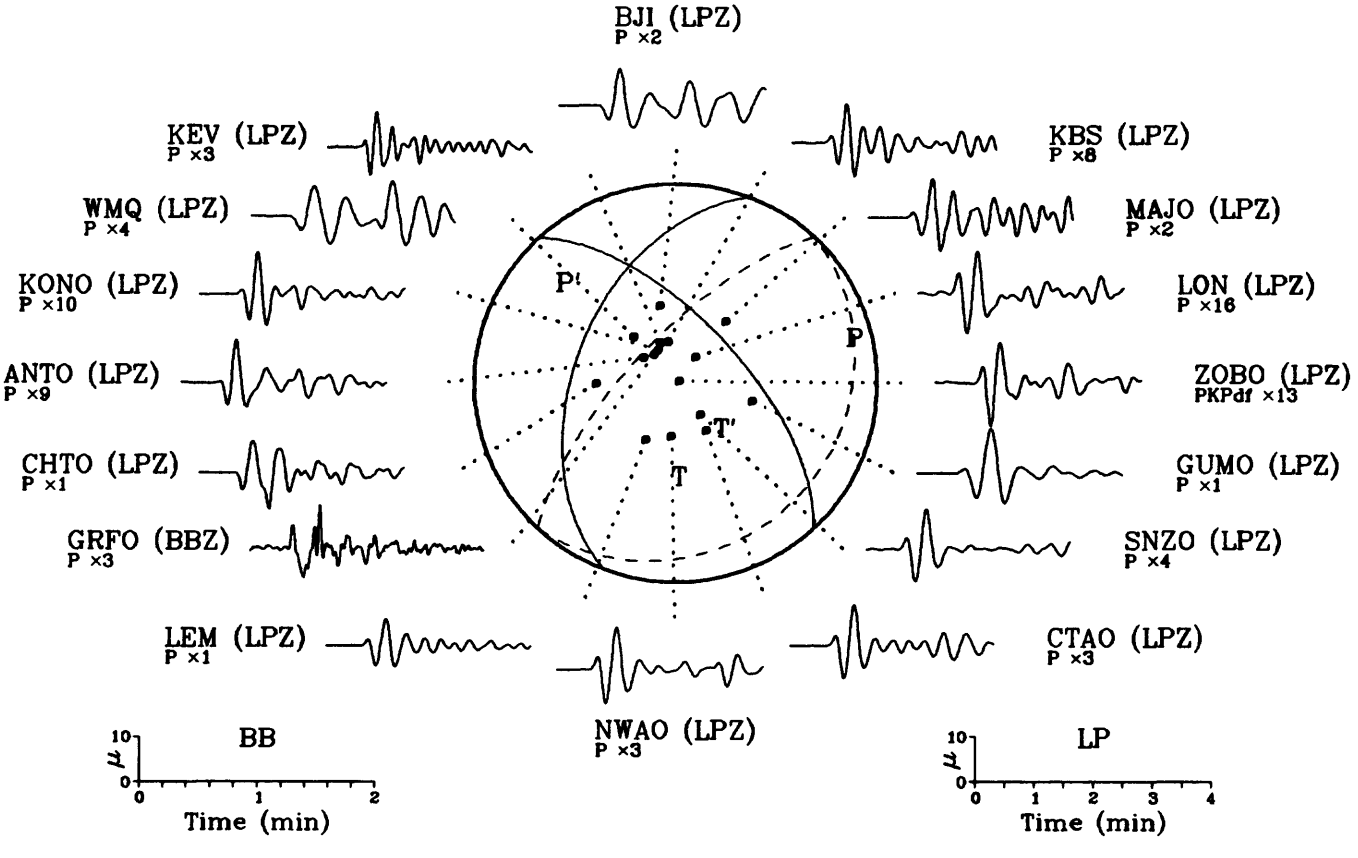
30 10 59 38.61 1.070S 13.054W 10km
4.7mb (16 obs.) 5.0Msz (1 obs.)
NORTH OF ASCENSION ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 44C
Centroid Location:
Origin Time 10:59:43.5 0.2
Lat 0.66S 0.02 Lon 13.79W 0.03
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.25 Plg=14 Azm=211
N 0.03 74 357
P -3.28 9 119
Best Double Couple:Mo=3.3*10**17
NP1:Strike=254 Dip=74 Slip= 176
NP2: 345 87 16

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

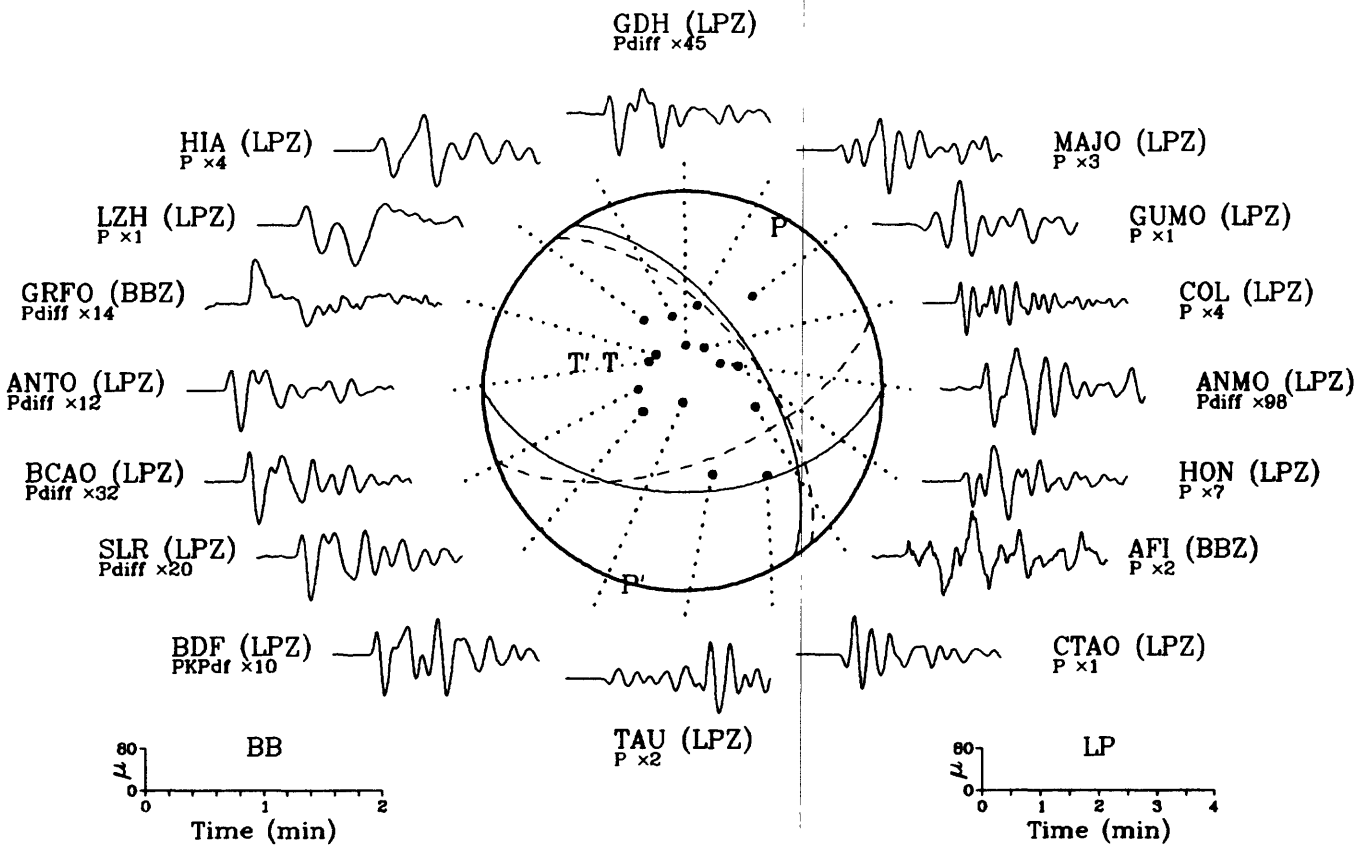
06 June 1987 18:40:27.48
Philippine Islands Region



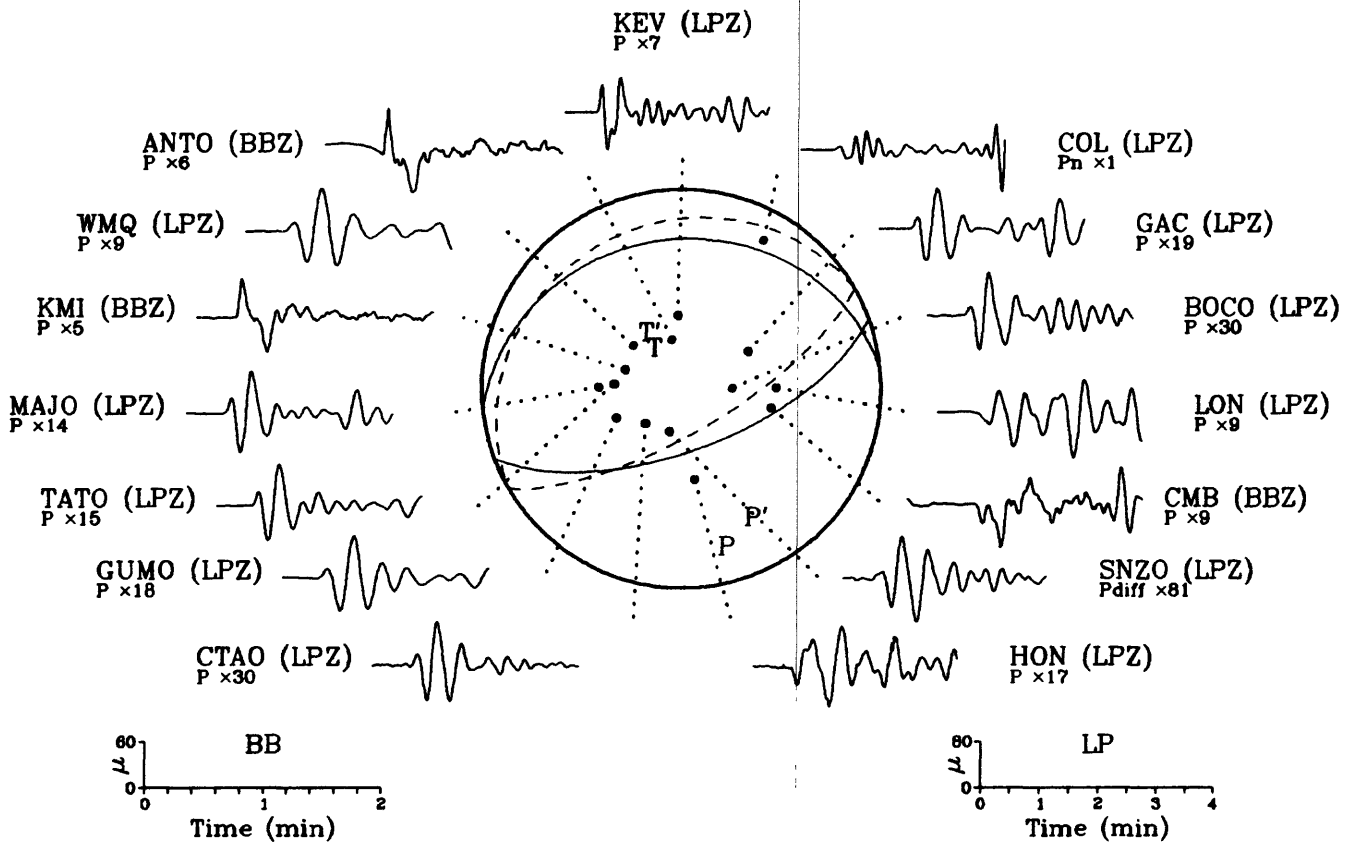
07 June 1987 05:49:43.63
Philippine Islands Region

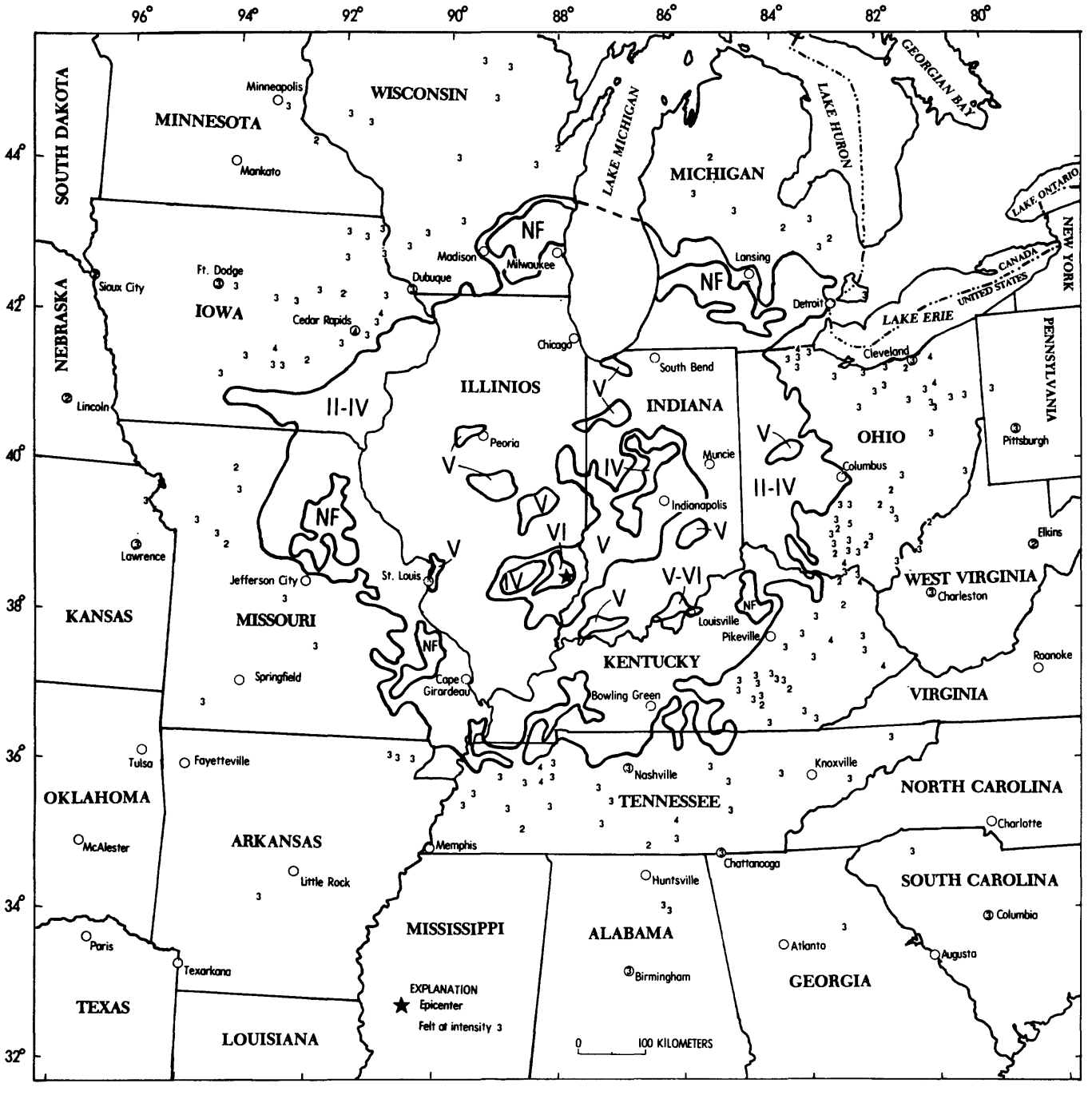


17 June 1987 01:32:53.72
Banda Sea

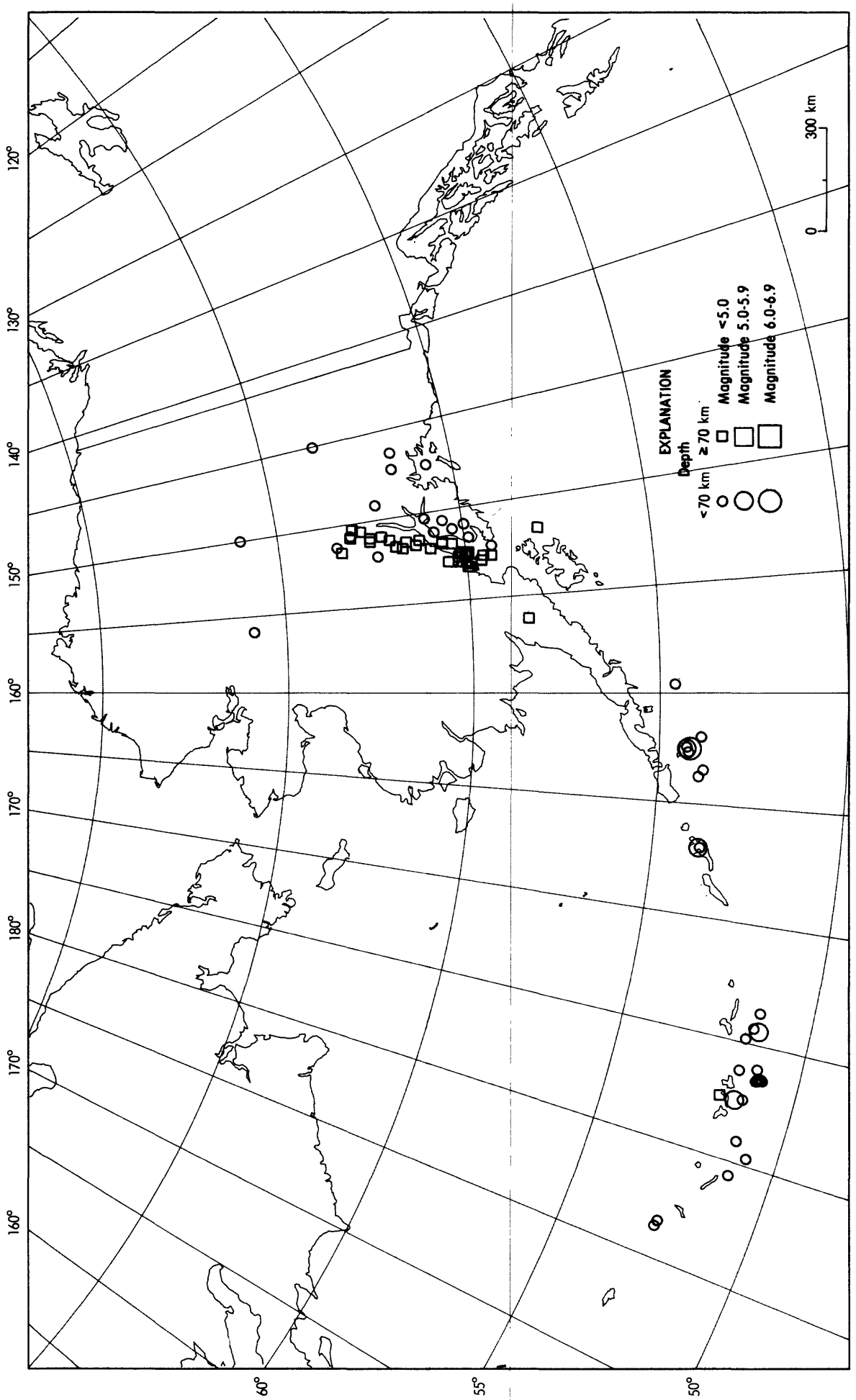


21 June 1987 05:46:10.01
Alaska Peninsula

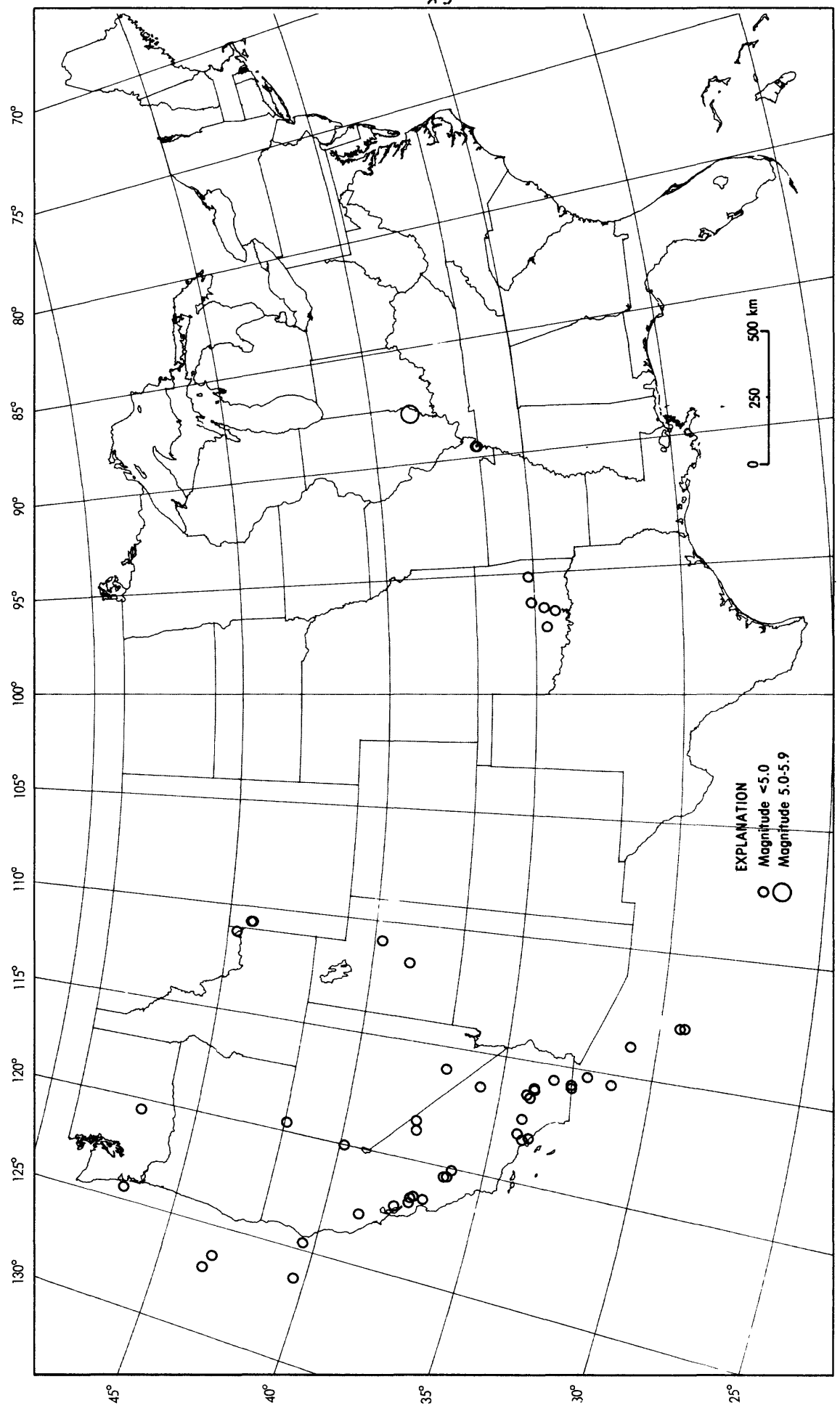




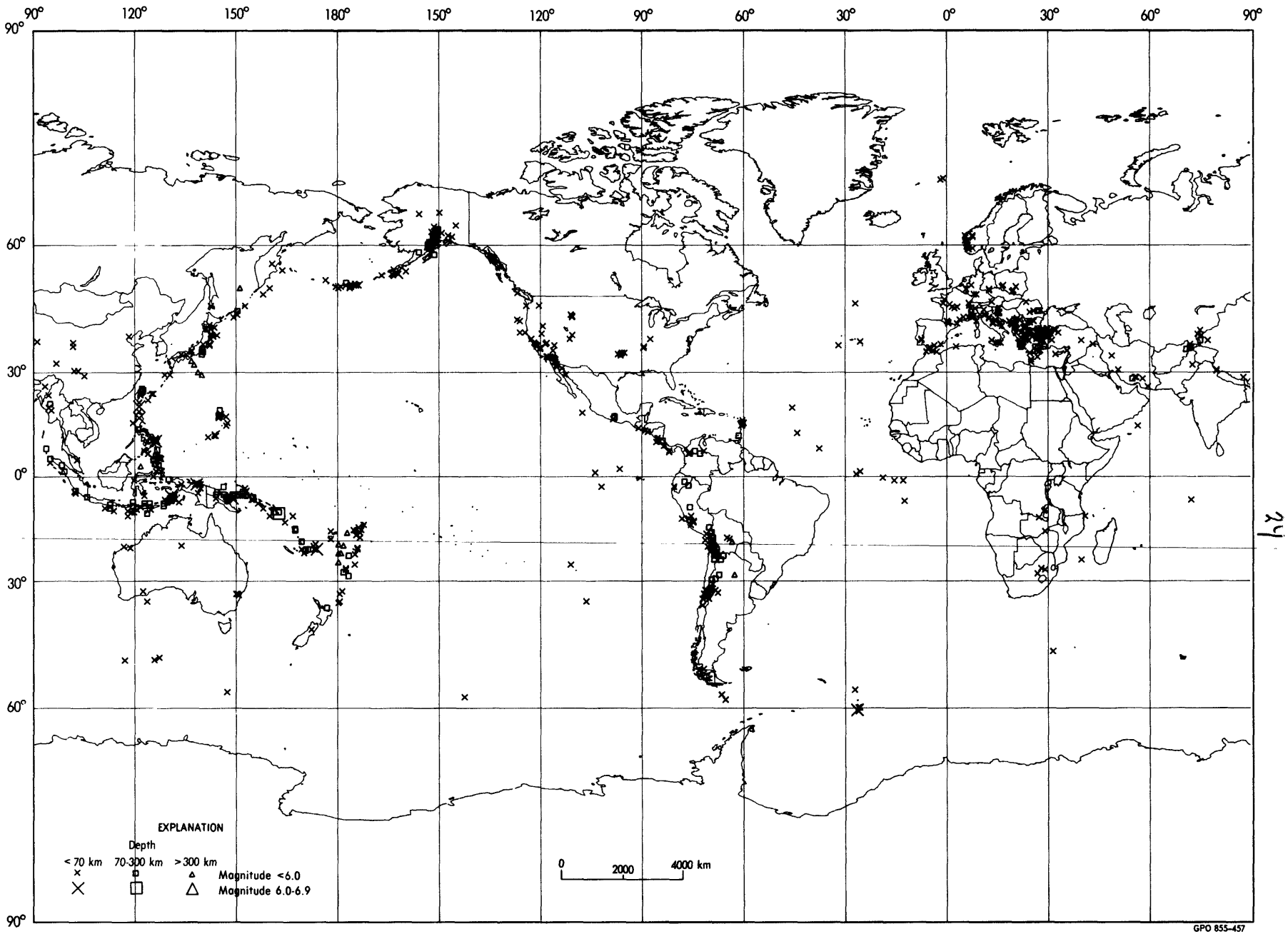
Preliminary isoseismal map far the Southeastern Illinois earthquake of June 10, 1987 (G. Reagor).



Earthquake epicenters in Alaska and adjacent regions for June, 1987 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for June, 1987 (C. Stover).



Earthquakes located in June, 1987 (C. Stover).