UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

APRIL - JUNE 1989

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

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1989

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

APRIL 1989

K E Y	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	01	27	55.6	42.771	N	18.585	E	5	G			0.9	20	YUGOSLAVIA. MD 3.5 (TRI), 2.7 (TTG).
	01	01	31	26.8%	30.954	S	116.836	E	10	G			0.4	5	WESTERN AUSTRALIA
	01	03	41	55.0&	60.704	N	151.134	W	52					38	KENAI PENINSULA, ALASKA. <AGS-P>.
	01	04	30	51.7	5.271	N	126.514	E	63	*	4.8		1.0	40	MINDANAO, PHILIPPINE ISLANDS
	01	04	45	57.0?	32.56	S	69.63	W	10	G			0.7	5	MENDOZA PROVINCE, ARGENTINA
	01	05	17	37.9*	19.290	S	127.767	E	10	G			1.0	6	WESTERN AUSTRALIA
	01	08	22	21.9?	37.61	N	71.21	E	33	N	3.8		1.0	9	AFGHANISTAN-USSR BORDER REGION
	01	08	27	43.8	35.497	N	24.035	E	113	*			1.2	18	CRETE
	01	08	42	49.7%	39.289	N	27.702	E	10	G			0.2	5	TURKEY
	01	08	58	35.4%	41.278	N	19.989	E	10	G			1.3	6	ALBANIA. MG 2.8 (TIR).
	01	09	10	21.0*	13.133	S	34.089	E	10	G	4.3		0.8	8	MALAWI
	01	09	25	43.7*	63.561	N	164.270	W	33	N			1.0	11	ALASKA. ML 4.1 (PMR).
	01	09	51	52.4%	39.133	N	27.612	E	10	G			0.2	6	TURKEY
	01	10	05	02.6%	39.163	N	27.583	E	10	G			0.7	5	TURKEY
	01	10	16	35.7*	50.003	N	127.791	W	10	G	4.2		0.8	10	VANCOUVER ISLAND REGION
	01	11	34	38.7	3.152	S	127.909	E	33	N	5.1		0.4	16	CERAM
	01	11	36	12.5	5.119	S	151.477	E	110	*	4.8		1.2	22	NEW BRITAIN REGION
	01	11	43	25.7%	41.209	N	20.005	E	10	G			0.7	5	ALBANIA. MG 2.4 (TIR).
	01	12	31	36.5	40.872	N	22.780	E	10	G			1.3	7	GREECE
	01	13	19	45.7	39.214	N	23.664	E	10	G			1.3	8	AEGEAN SEA. ML 3.0 (ATH).
	01	15	06	37.9%	37.937	N	27.337	E	10	G			0.7	8	TURKEY
	01	17	10	09.3?	37.62	N	20.55	E	10	G			1.0	5	IONIAN SEA. ML 3.3 (ATH).
	01	21	15	19.4?	61.56	N	146.48	W	33	N			1 0	7	SOUTHERN ALASKA. ML 3.1 (PMR).
	01	21	29	58.7	32.849	N	39.816	W	10	G	4.4		1.1	24	NORTH ATLANTIC RIDGE
a	01	21	58	14.1	32.797	S	69.947	W	110	D	5.5		1.0	112	MENDOZA PROVINCE, ARGENTINA. Felt (V) at Santiago, Chile. Also felt in the Valparaisa, Chile area.
	01	22	22	59.0*	34.438	N	26.770	E	137	?			1.2	8	CRETE. MD 3.7 (ATH).
	02	00	14	20.3	44.623	N	7.049	E	10	G			0.7	25	NORTHERN ITALY. ML 2.5 (GEN).
	02	00	37	50.5*	12.117	S	166.130	E	33	N	4.8		1.0	19	SANTA CRUZ ISLANDS
	02	01	10	19.9*	19.791	S	175.487	W	232	*	5.1		1.3	30	TONGA ISLANDS
	02	01	24	11.5	36.212	N	28.036	E	10	G			0.6	6	DODECANESE ISLANDS. MD 3.2 (ATH).
	02	01	59	52.6?	66.01	N	156.41	W	33	N			0.9	6	ALASKA. ML 3.2 (PMR).
	02	02	01	04.8?	41.26	N	20.43	E	10	G			0.1	4	ALBANIA
	02	02	41	32.2?	13.60	S	167.77	E	33	N	4.1		1.5	5	VANUATU ISLANDS
	02	03	46	19.8	44.627	N	7.041	E	10	G			0.6	14	NORTHERN ITALY. ML 2.3 (GEN), 2.3 (LDG).
	02	05	12	24.9*	17.237	N	62.005	W	33	N			0.8	7	LEEWARD ISLANDS. ML 3.6 (FDF).
	02	05	28	19.9*	8.098	S	107.716	E	33	N	4.6		1.2	18	JAVA
a	02	06	42	04.5	28.252	N	57.315	E	44		5.3	4.8	0.9	260	SOUTHERN IRAN
	02	06	59	00.6	47.245	N	8.991	E	10	G			1.3	39	SWITZERLAND. ML 3.3 (GRF), 3.2 (LDG), 3.2 (KBA). MD 3.0 (STR).
	02	07	21	26.2*	29.587	S	68.073	W	150	*			1.2	9	SAN JUAN PROVINCE, ARGENTINA
	02	09	21	21.0?	43.97	N	149.06	E	33	N	3.9		0.7	10	KURIL ISLANDS REGION
	02	09	25	21.4	8.846	S	127.134	E	33	N	4.9		0.9	27	TIMOR
	02	09	29	35.2?	34.47	N	140.18	E	10	G			0.8	6	NEAR EAST COAST OF HONSHU, JAPAN. MG 2.8 (JMA). Felt (I JMA) at Tateyama.
	02	10	30	13.9*	35.297	N	46.507	E	5	G	4.3		1.4	14	IRAN-IRAQ BORDER REGION
a	02	10	35	57.1	11.063	N	85.352	W	70		5.0		0.9	117	NICARAGUA. MD 5.2 (HDC). Felt (V) at Playa Hermosa and Playa del Coco; (IV) at Nicaya and Santa Cruz; (III) at Puntarenas; (II) at Atenas and Las Chiles, Costa Rica. Felt at San Jose and in southern Costa Rica. Felt (III) at Managua, Nicaragua.
a	02	10	43	32.7	5.428	S	146.785	E	251	D	5.6		0.9	147	EAST PAPUA NEW GUINEA REGION
	02	12	22	37.6	36.176	N	28.010	E	10	G			0.5	6	DODECANESE ISLANDS. MD 3.5 (ATH).
	02	12	55	29.5%	46.618	N	6.584	E	10	G			0.7	10	SWITZERLAND. ML 2.7 (LDG).
	02	14	11	04.4*	36.052	N	31.182	E	10	G			1.1	6	TURKEY
	02	14	43	34.4%	39.084	N	29.136	E	10	G			1.4	5	TURKEY
	02	14	50	52.6?	12.37	N	144.36	E	33	N			0.6	8	SOUTH OF MARIANA ISLANDS
	02	15	23	33.5?	23.82	N	142.56	E	33	N	4.6		0.9	9	VOLCANO ISLANDS REGION

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	02	16	12	20.8?	22.65	S	66.75	W	326	?		0.7	7	JUJUY PROVINCE, ARGENTINA
	02	17	37	27.1	35.194	N	135.552	E	10	G		0.6	8	SOUTHERN HONSHU, JAPAN. MG 3.6 (JMA). Felt (I JMA) at Kyoto.
	02	18	26	49.8*	37.740	N	36.755	E	10	G		1.1	7	TURKEY
a	02	20	52	02.6	30.941	S	179.998	E	400		5.1	1.0	159	KERMADEC ISLANDS REGION
	02	21	22	02.5?	31.30	S	68.37	W	116	?		0.2	5	SAN JUAN PROVINCE, ARGENTINA
a	02	21	24	36.9	32.621	N	47.782	E	33		5.4 5.0	1.0	339	IRAN-IRAQ BORDER REGION. Felt at Ilam and Ahvaz, Iran.
	02	21	30	30.7*	6.602	N	73.416	W	189	*	4.4	1.5	11	NORTHERN COLOMBIA
	03	00	05	58.8?	36.18	N	27.23	E	10	G		0.8	4	DODECANESE ISLANDS. MD 3.2 (ATH).
	03	00	09	05.4&	60.639	N	150.551	W	38				40	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.1 (PMR).
	03	00	26	22.3?	10.75	N	60.82	W	10	G		1.2	6	TRINIDAD. MD 3.3 (TRN).
	03	01	18	13.1?	51.63	N	170.31	W	33	N	4.5	1.5	14	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
	03	01	37	21.2?	33.08	S	72.31	W	33	N		0.6	7	OFF COAST OF CENTRAL CHILE
	03	01	45	50.7*	10.715	N	62.390	W	92	?		0.7	22	NEAR COAST OF VENEZUELA. MD 3.9 (TRN). Felt (II) on Trinidad.
	03	03	19	30.4*	31.591	S	68.680	W	10	G		1.0	6	SAN JUAN PROVINCE, ARGENTINA
	03	04	26	52.2?	21.36	S	173.75	W	33	N	4.7	1.4	13	TONGA ISLANDS
	03	05	16	06.9%	39.667	N	29.360	E	10	G		0.4	5	TURKEY
	03	05	16	58.0?	33.90	S	72.08	W	10	G		0.4	8	OFF COAST OF CENTRAL CHILE
	03	06	58	44.2	39.322	N	25.516	E	11		3.7	0.9	38	AEGEAN SEA. ML 3.6 (ATH).
	03	08	36	23.9*	38.174	N	138.333	E	236		4.2	0.5	15	NEAR WEST COAST OF HONSHU, JAPAN
	03	08	58	49.6%	39.270	N	27.725	E	10	G		0.8	6	TURKEY
	03	09	10	42.5	46.056	N	14.138	E	10	G		1.0	10	YUGOSLAVIA. ML 2.7 (KBA), 2.1 (LJU). MD 2.7 (LJU). Felt (IV) at Poljane nad Skofjo Loko.
	03	09	14	29.6*	39.654	N	142.378	E	69	*		0.8	10	NEAR EAST COAST OF HONSHU, JAPAN. MG 3.7 (JMA). Felt (II JMA) at Miyako.
	03	09	33	05.6%	39.589	N	30.515	E	10	G		0.7	5	TURKEY
	03	09	58	05.2	46.110	N	14.106	E	10	G		1.4	7	YUGOSLAVIA. ML 2.1 (KBA), 1.9 (LJU). MD 1.7 (TRI).
	03	11	29	32.3*	17.897	N	99.654	W	33	N		1.2	6	GUERRERO, MEXICO
	03	13	15	57.1%	60.006	N	4.772	E	10	G		0.1	7	SOUTHERN NORWAY. MD 1.8 (BER).
	03	14	19	39.7?	44.24	N	7.53	E	10	G		0.1	4	NORTHERN ITALY. MD 1.5 (STR).
	03	16	35	24.6&	62.236	N	151.204	W	78				5	CENTRAL ALASKA. <AGS-P>.
	03	17	04	18.2*	15.695	N	60.027	W	10	G		0.8	11	LEEWARD ISLANDS. ML 3.6 (FDF).
	03	17	08	53.4*	39.254	N	23.485	E	10	G		1.5	6	AEGEAN SEA. ML 2.7 (ATH).
	03	17	45	07.5*	3.555	N	124.562	E	323	*	4.3	0.4	15	CELEBES SEA
	03	17	46	34.4&	37.422	N	121.795	W	9		4.5 4.3		69	CENTRAL CALIFORNIA. <BRK>. ML 4.7 (BRK). Mo=2.2*10**16 Nm (BRK). Slight damage (VI) at San Jose. Felt (V) at Gilroy, Monte Serano, Santa Clara, Santa Cruz and Sunnyvale. Felt (IV) at Alviso, Brisbane, Brookdale, Burlingame, Campbell, Coyote, Felton, Fremont, Livermare, Los Altos, Los Gatos, Millbrae, Modesto, Monterey, Mountain View, New Almaden, Pleasanton, Redwood Estates, San Anselmo, San Bruno, San Carlos, San Francisco, San Martin, San Mateo and Stockton. Felt from Monterey to Santa Rosa.
	03	18	01	41.6	45.983	N	14.099	E	10	G		1.5	8	YUGOSLAVIA. ML 1.8 (KBA), 1.6 (LJU).
	03	18	06	10.6?	14.93	S	167.99	E	195	?	4.9	1.2	8	VANUATU ISLANDS
	03	19	32	41.1	41.616	N	143.896	E	43		4.8 5.0	1.0	46	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Urakawa.
a	03	19	39	32.2	25.170	N	94.652	E	67	D	5.2	1.0	235	BURMA-INDIA BORDER REGION
	03	22	20	30.6*	39.731	N	122.680	W	5	G		1.0	7	NORTHERN CALIFORNIA. ML 2.7 (BRK).
	03	23	15	17.5&	36.770	N	121.258	W	7				15	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Felt at Prunedale.
	03	23	37	04.4	40.353	N	20.554	E	5	G		1.3	13	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
	04	01	13	43.4*	42.820	N	144.260	E	33	N	4.7	0.7	15	HOKKAIDO, JAPAN REGION
	04	06	39	58.2*	44.044	N	112.045	W	5	G		0.9	5	EASTERN IDAHO. ML 3.0 (BUT).
	04	08	44	29.2%	39.160	N	27.553	E	10	G		0.3	6	TURKEY
	04	08	50	16.6%	60.145	N	4.756	E	10	G		0.2	7	SOUTHERN NORWAY. MD 2.0 (BER).
	04	09	14	03.3	25.870	S	179.192	E	512	*	4.5	0.8	27	SOUTH OF FIJI ISLANDS
	04	09	20	56.4%	60.033	N	4.846	E	10	G		0.2	7	SOUTHERN NORWAY. MD 1.8 (BER).
	04	10	01	30.3%	60.551	N	4.909	E	10	G		0.0	4	SOUTHERN NORWAY. MD 1.9 (BER).
	04	11	03	58.5	22.815	S	176.947	W	177	*	4.9	0.9	50	SOUTH OF FIJI ISLANDS
	04	11	21	46.2?	45.87	N	14.65	E	5	G		1.1	4	YUGOSLAVIA
	04	11	32	11.8	26.897	N	34.917	E	10	G	4.4	0.9	15	RED SEA
	04	11	38	43.3%	59.365	N	6.062	E	10	G		0.1	5	SOUTHERN NORWAY. MD 1.8 (BER).
	04	13	12	46.8%	60.646	N	6.304	E	10	G		0.7	6	SOUTHERN NORWAY. MD 1.7 (BER).
	04	14	03	57.5?	23.32	S	179.47	W	539	?	4.6	1.1	12	SOUTH OF FIJI ISLANDS
	04	16	35	28.3&	62.479	N	150.920	W	74				50	CENTRAL ALASKA. <AGS-P>.
	04	17	08	08.6	46.438	N	5.041	E	10	G		1.2	14	FRANCE. ML 3.1 (LDG).
	04	17	17	19.3*	6.912	S	129.525	E	165	*	4.6	1.3	15	BANDA SEA
	04	17	38	26.8?	32.48	S	71.61	W	25			0.5	8	NEAR COAST OF CENTRAL CHILE
	04	18	10	16.4	39.181	N	23.378	E	25			1.2	11	AEGEAN SEA. ML 2.8 (ATH).
	04	18	15	57.0?	7.10	S	129.59	E	164	?		1.8	7	BANDA SEA
	04	18	31	52.8*	44.517	N	6.754	E	10	G		0.5	6	FRANCE. ML 2.4 (GEN).
	04	19	09	57.0&	18.972	N	155.288	W	24		4.6		78	HAWAII. <HVO-P>. MD 4.4 (HVO). Felt (IV) at Ninole and (III) at Paauhau. Also felt at Hawaii Volcanoes National Park, Hawaiian Ocean View Estates, Honakaa, Kano, Pahala, Papaikou, Naalehu, Paradise Park, Royal Gardens and Waimea.
	04	19	38	22.4?	37.87	N	28.31	E	10	G		1.0	5	TURKEY
a	04	20	10	52.1	25.017	N	123.359	E	141		5.0	1.0	106	NORTHEAST OF TAIWAN
	04	21	20	06.9?	37.19	N	17.89	E	10	G		0.7	7	IONIAN SEA
	04	22	46	59.2&	58.181	N	151.546	W	50				42	KODIAK ISLAND REGION. <AGS-P>. ML 4.0 (PMR).
	05	00	04	27.7	3.473	S	136.515	E	81	D	5.1	0.8	18	WEST IRIAN
	05	01	30	19.9	46.887	N	154.046	E	35	D	5.2 4.4	0.9	102	KURIL ISLANDS REGION
	05	02	25	36.8?	39.63	N	142.58	E	33	N		0.8	8	NEAR EAST COAST OF HONSHU, JAPAN. MG 3.6 (JMA). Felt (II JMA) at Miyako and (I JMA) at Ofunato.
	05	04	36	01.1	46.442	N	12.378	E	10	G		1.0	6	NORTHERN ITALY. ML 2.0 (KBA). MD 2.5 (LJU).
	05	08	00	58.8&	62.394	N	151.445	W	87				26	CENTRAL ALASKA. <AGS-P>.
	05	09	23	32.3%	39.148	N	27.610	E	10	G		0.4	5	TURKEY
	05	10	57	52.1*	3.009	N	127.900	E	33	N	4.3	0.6	7	TALAUD ISLANDS
	05	10	58	35.2*	35.344	N	24.531	E	10	G		0.8	5	CRETE. MD 3.8 (ATH).
	05	11	27	48.0	20.790	S	69.923	W	37	D	4.8	1.1	42	NORTHERN CHILE
	05	11	54	03.0%	47.517	N	6.652	E	10	G		0.5	6	FRANCE. ML 2.5 (LDG).

	05	12	01	18.6&	48.807	N	122.070	W	2			19	WASHINGTON. <SEA>. CL 2.8 (SEA). Felt at Deming.
	05	12	03	26.2%	60.629	N	6.251	E	10 G		0.8	7	SOUTHERN NORWAY. MD 1.6 (BER).
	05	12	34	46.7*	18.976	N	145.329	E	232 *	4.4	0.5	15	MARIANA ISLANDS
	05	12	47	32.5	40.852	N	30.471	E	10 G	3.8	1.0	25	TURKEY. Felt at Adapazari.
	05	15	09	06.5	34.667	N	24.146	E	33	4.8 4.2	1.2	155	CRETE. ML 4.4 (ATH).
	05	16	11	27.4?	9.78	N	56.54	E	10 G	4.9	0.4	11	CARLSBERG RIDGE
	05	18	06	04.2?	23.02	N	142.46	E	33 N	4.5 3.9	1.3	7	VOLCANO ISLANDS REGION
	05	18	44	45.6*	18.122	S	178.072	W	620 *	4.9	0.9	26	FIJI ISLANDS REGION
	05	21	43	33.3*	36.710	N	71.568	E	33 N	3.8	0.4	8	AFGHANISTAN-USSR BORDER REGION
	05	21	45	46.8?	51.05	N	15.78	E	10 G		1.2	5	POLAND. ML 3.0 (VKA), 2.7 (KBA).
	05	22	04	33.9%	40.573	N	27.988	E	10 G		0.5	8	TURKEY
	05	22	33	50.1*	11.384	S	122.832	E	151 *	4.8	1.3	14	SOUTH OF TIMOR
	05	22	33	55.1&	60.068	N	152.821	W	90			27	SOUTHERN ALASKA. <AGS-P>.
	05	22	36	35.9*	45.875	N	150.571	E	33 N	4.5	1.3	32	KURIL ISLANDS
a	05	23	47	49.3	20.857	S	69.028	W	112 D	5.7	1.1	199	NORTHERN CHILE. Felt (IV) in northern Chile and parts of southern Peru.
	06	00	34	12.6	40.578	N	19.704	E	5 G		1.1	9	ALBANIA
	06	02	35	51.3	44.511	N	71.144	W	5 G		0.6	16	NORTHERN NEW ENGLAND. mbLg 3.4 (NEIS), 3.5 (WES). Felt (IV) at Berlin, Gorham and Lancaster, New Hampshire. Also felt (IV) at Bethel, Maine; Guildhall and Lunenburg, Vermont. Felt (III) at Bartlett, Gravetan, Jefferson, Lisbon, Littleton, Milan, Randolph, Sanbornville and Woodsville, New Hampshire. Also felt (III) at Bryant Pond, East Andover, Hanover, Locke Mills, Mexico, Rumford Center, Rumford Point, West Bethel and West Paris, Maine.
	06	03	24	39.6*	11.019	S	167.047	E	33 N	4.4 4.1	1.3	12	SANTA CRUZ ISLANDS
	06	04	13	37.6*	29.675	S	71.071	W	10 G		0.7	7	NEAR COAST OF CENTRAL CHILE
	06	05	47	52.6*	25.120	N	95.257	E	116 ?	4.1	1.5	10	BURMA-INDIA BORDER REGION
	06	06	45	43.2?	16.16	S	173.14	W	33 N	4.7	1.2	20	TONGA ISLANDS
	06	06	47	20.7	51.479	N	175.730	W	33 N	4.7	1.2	40	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	06	07	32	24.9&	60.116	N	153.289	W	147			50	SOUTHERN ALASKA. <AGS-P>.
f	06	08	05	57.1	19.306	S	169.002	E	166 G	6.1	1.3	282	VANUATU ISLANDS. mb 6.3 (BRK). Felt at Chepenehe, Layalty Islands and Noumea, New Caledonia. Two events about 4 seconds apart. Depth from broadband displacement seismograms, based on second, larger event.
	06	0B	45	54.1	33.480	N	132.429	E	13		0.7	11	SHIKOKU, JAPAN. MG 3.9 (JMA). Felt (II JMA) at Uwajima.
	06	09	02	15.8&	60.288	N	153.699	W	192			52	SOUTHERN ALASKA. <AGS-P>.
	06	09	27	09.0	44.582	N	7.225	E	10 G		0.4	24	NORTHERN ITALY. ML 2.9 (LDG), 2.5 (GEN).
	06	10	32	51.3?	61.15	N	2.28	E	10 G		0.7	5	NORWEGIAN SEA. MD 2.1 (BER).
	06	10	44	24.5?	60.91	N	4.86	E	10 G		0.5	4	SOUTHERN NORWAY. MD 1.7 (BER).
	06	10	46	30.0%	41.154	N	28.892	E	10 G		0.5	6	TURKEY
	06	11	26	00.2%	39.311	N	27.723	E	10 G		0.8	5	TURKEY
	06	11	41	48.9	40.015	N	19.750	E	10 G		1.2	12	ALBANIA. MG 2.8 (TIR).
	06	12	30	37.4%	60.722	N	5.536	E	10 G		0.5	7	SOUTHERN NORWAY. MD 1.6 (BER).
	06	12	31	50.8%	60.617	N	5.492	E	10 G		0.3	6	SOUTHERN NORWAY. MD 1.6 (BER).
	06	13	05	15.1	44.716	N	3.585	W	10 G		1.0	39	BAY OF BISCAY. ML 4.2 (LDG).
	06	13	12	58.7?	58.10	N	6.35	E	0 G		0.5	5	SOUTHERN NORWAY. MD 2.2 (BER). Probable explosion.
	06	13	48	44.3	43.925	N	146.686	E	124 *	4.8	1.0	83	KURIL ISLANDS. Felt (II JMA) at Nemuro and (I JMA) at Kushira, Hokkaido.
	06	16	04	31.3&	60.720	N	150.771	W	50			41	KENAI PENINSULA, ALASKA. <AGS-P>.
	06	16	10	04.0	36.046	N	114.661	W	5 G		0.6	17	SOUTHERN NEVADA. ML 2.7 (NEIS). Felt in the Boulder City area and at Hoover Dam.
	06	16	54	29.9	19.072	S	67.130	W	242	4.8	1.1	22	SOUTHERN BOLIVIA
	06	17	33	24.3?	29.74	S	177.86	W	56 ?	5.0	1.2	20	KERMADEC ISLANDS. Felt (IV) on Raoul Island.
	06	18	34	35.7	39.268	N	23 496	E	10 G		0.8	9	AEGEAN SEA. ML 3.1 (ATH).
	06	18	35	03.8	46.235	N	13.505	E	10 G		0.6	7	AUSTRIA. ML 1.9 (LJU), 1.9 (KBA). MD 2.1 (TRI).
	06	18	50	44.4	40.321	S	75.036	W	33 N	5.2 3.9	1.1	53	OFF COAST OF SOUTHERN CHILE
	06	18	55	16.5*	22.503	S	179.223	E	633 *	4.5	1.1	28	SOUTH OF FIJI ISLANDS
	06	18	58	33.8?	39.08	N	29.53	E	10 G		1.6	5	TURKEY
	06	18	59	18.5?	4.85	S	136.13	E	33 N	4.4	1.2	6	WEST IRIAN REGION
	06	19	15	05.2*	11.020	S	166.739	E	33 N	4.6 4.3	1.2	19	SANTA CRUZ ISLANDS
	06	22	10	21.0*	45.967	N	15.493	E	10 G		1.3	8	YUGOSLAVIA. MD 2.8 (LJU). ML 2.2 (KBA). Felt (V) at Brestanica.
	06	22	16	16.8%	40.094	N	29.180	E	10 G		1.2	6	TURKEY
	06	22	19	56.7%	40.095	N	29.156	E	10 G		1.1	7	TURKEY
	06	22	30	38.1*	33.640	N	24.568	E	27 *	3.5	1.1	16	MEDITERRANEAN SEA
	06	22	33	41.0	19.652	S	64.083	W	24 *	5.0	1.4	36	SOUTHERN BOLIVIA
	06	23	36	49.5	34.022	N	24.804	E	45	4.5	0.9	71	CRETE
	06	23	49	47.6	4.255	S	143.406	E	149 *	5.0	0.8	23	PAPUA NEW GUINEA
	07	00	41	46.0*	33.462	N	24.470	E	33 N	4.1	1.4	8	MEDITERRANEAN SEA. MD 4.0 (ATH).
	07	03	25	11.8?	3.21	S	104.11	E	341 *	4.7	1.0	12	SOUTHERN SUMATERA
	07	03	27	00.5*	36.106	N	27.066	E	10 G		0.7	5	DODECANESE ISLANDS. MD 3.5 (ATH).
	07	04	32	34.8?	34.41	N	17.58	E	10 G		1.3	13	MEDITERRANEAN SEA. MD 3.4 (ATH).
	07	04	33	01.2	43.393	N	5.429	E	10		0.6	15	NEAR SOUTH COAST OF FRANCE. MD 3.0 (STR).
	07	05	43	22.7*	33.720	N	73.078	E	33 N	4.2	1.4	12	PAKISTAN
	07	06	35	36.9?	24.53	S	178.46	E	646 ?	4.8	1.2	9	SOUTH OF FIJI ISLANDS
	07	06	36	13.5	48.090	N	7.950	E	10 G		0.7	11	FRANCE. ML 3.0 (LDG). MD 2.5 (STR).
	07	06	45	29.0?	15.07	S	174.85	W	33 N		0.9	6	TONGA ISLANDS
	07	08	26	48.9	47.716	N	105.602	W	5 G		0.9	14	MONTANA. ML 3.5 (NEIS), 3.9 (BUT).
	07	08	51	48.9*	36.702	N	71.249	E	203 ?	4.3	0.8	13	AFGHANISTAN-USSR BORDER REGION
	07	09	24	58.0%	39.150	N	27.582	E	10 G		0.2	5	TURKEY
	07	09	55	15.2?	30.76	N	51.65	E	33 N		0.6	7	IRAN. ML 3.4 (BMU).
	07	10	33	34.4	42.941	N	18.403	E	10 G		1.3	31	YUGOSLAVIA. MD 4.0 (TRI), 3.2 (TTG).
	07	12	31	41.8&	60.130	N	153.562	W	155			11	SOUTHERN ALASKA. <AGS-P>.
	07	12	54	41.6	6.809	N	73.036	W	151	4.9	1.1	70	NORTHERN COLOMBIA. Felt at Cucuta, Bucaramanga and Duitama.
	07	13	32	11.6	51.341	N	29.981	W	10 G	5.3 4.8	1.0	228	NORTH ATLANTIC RIDGE
	07	13	49	48.3	45.729	N	14.337	E	10 G		1.0	6	YUGOSLAVIA. MD 2.7 (LJU), 2.2 (TRI).
	07	15	27	57.5?	59.51	S	29.70	W	10 G	4.5	1.0	6	SOUTH SANDWICH ISLANDS REGION
	07	15	28	19.0%	60.634	N	6.239	E	10 G		0.7	7	SOUTHERN NORWAY. MD 1.9 (BER).
	07	16	04	04.7?	2.96	N	126.99	E	89 ?	4.3	0.3	5	MOLUCCA PASSAGE

	07	16	25	02.9	43.295	N	10.816	E	10	G		0.4	10	CENTRAL ITALY. MD 3.0 (FIR).
	07	17	15	53.4*	39.233	N	23.467	E	10	G		0.3	5	AEGEAN SEA. ML 2.9 (ATH).
	07	17	26	05.1?	44.65	N	6.93	E	10	G		0.4	4	FRANCE. ML 2.0 (GEN).
	07	18	00	34.7*	36.611	N	141.612	E	33	N		0.8	8	NEAR EAST COAST OF HONSHU, JAPAN
	07	18	17	03.1*	41.157	N	20.019	E	10	G		1.3	7	ALBANIA. ML 2.7 (SKO).
	07	18	45	22.2	12.516	S	122.161	E	33	N	5.2	0.9	28	SOUTH OF TIMOR
	07	19	13	16.8*	45.536	N	14.449	E	10	G		1.5	6	YUGOSLAVIA. MD 2.5 (LJU), 2.1 (TRI).
	07	20	07	30.2&	33.620	N	117.900	W	13		5.0		74	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.5 (PAS), 4.6 (BRK). Slight damage (VI) at Corona del Mor, Costa Mesa and Newport Beach. Felt (V) at Artesia, Anaheim, Buena Park, Camp Pendletan, Cypress, Dana Point, Garden Grove, Huntington Beach, Irvine, Laguna Beach, Long Beach, Orange, Santa Ana, Surfside and Tustin. Felt (IV) at Avalon, Bellflower, Bonsall, Downey, East Irvine, El Toro, La Mirada, Lakewood, Lomita, Los Angeles, Las Alamitos, Norwalk, Oceanside, Pico Rivera, Placentia, San Clemente, San Luis Rey, South Gate, Stonton, Sunset Beach and Yorba Linda. Felt throughout much of southern California.
	07	20	46	20.4*	34.103	N	135.214	E	10	G		0.9	5	NEAR S. COAST OF SOUTHERN HONSHU. MG 3.1 (JMA). Felt (II JMA) at Wakayama.
	07	20	51	48.4	2.428	S	139.434	E	33	N	4.6 5.0	1.1	17	NEAR N. COAST OF WEST IRIAN
	07	20	56	49.0?	34.11	N	135.23	E	10	G		0.3	4	NEAR S. COAST OF SOUTHERN HONSHU. MG 2.7 (JMA). Felt (I JMA) at Wakayama.
a	07	21	06	21.5	58.685	S	148.750	E	10	G	5.2 5.1	1.0	34	WEST OF MACQUARIE ISLAND
	07	21	39	39.1	20.434	N	100.705	E	10	G	4.2	1.4	19	SOUTHEAST ASIA
	07	21	40	43.9	54.085	N	162.711	W	33	N		1.4	13	ALASKA PENINSULA
	07	21	45	18.6	20.576	N	100.586	E	10	G	4.6	1.2	50	SOUTHEAST ASIA
	07	22	12	42.1	39.284	N	23.603	E	10	G		1.2	20	AEGEAN SEA. MD 3.4 (ATH).
	07	22	35	25.7*	28.194	N	96.493	E	33	N		0.7	8	INDIA-CHINA BORDER REGION
	07	22	43	22.5*	19.067	S	167.656	E	10	G	3.9	1.1	13	VANUATU ISLANDS REGION
	07	23	17	59.9&	57.346	N	143.075	W	10	G			13	GULF OF ALASKA. <AGS-P>.
	07	23	24	39.9	44.509	N	6.867	E	10	G		0.4	6	FRANCE. ML 1.8 (GEN).
	07	23	56	07.3*	36.023	N	25.922	E	33	N		1.3	7	DODECANESE ISLANDS. ML 3.9 (ATH).
	08	00	04	44.2	12.938	N	44.938	W	10	G	4.7 4.5	1.1	50	NORTH ATLANTIC RIDGE
	08	00	07	00.8*	0.374	S	126.240	E	76	*	4.9	1.1	14	MOLUCCA SEA
	08	00	09	04.5	12.976	N	44.780	W	10	G	4.4 4.8	0.8	17	NORTH ATLANTIC RIDGE
	08	00	24	32.5	32.012	S	71.545	W	72	*	5.5	1.0	62	NEAR COAST OF CENTRAL CHILE. Felt (III) at Valparaiso.
	08	00	57	43.6	33.999	N	24.582	E	33	N	4.0	1.0	17	MEDITERRANEAN SEA
	08	01	15	13.6%	36.813	N	30.139	E	5	G		1.4	7	TURKEY
	08	01	16	08.0&	57.093	N	143.388	W	10	G			37	GULF OF ALASKA. <AGS-P>.
a	08	01	22	23.2&	57.064	N	143.490	W	10	G	4.9 4.7		181	GULF OF ALASKA. <AGS-P>. ML 4.8 (PMR). Ms 4.7 (BRK).
	08	01	24	43.8*	57.062	N	143.429	W	10	G		1.0	5	GULF OF ALASKA. ML 4.6 (PGC). Many readings lost in coda af previaus event.
a	08	01	32	48.5	37.731	S	50.071	E	10	G	5.0 4.9	1.0	63	ATLANTIC-INDIAN RISE
	08	01	47	07.7*	43.343	N	21.191	E	10	G		1.4	7	YUGOSLAVIA. MG 1.7 (BEO).
a	08	03	06	01.5	15.737	S	173.001	W	33	D	5.4 5.7	1.1	190	TONGA ISLANDS. Mo=1.3*10**18 Nm (PPT). Ms 5.7 (BRK).
	08	03	36	46.2	39.409	N	8.913	W	18		4.5 4.7	1.3	98	PORTUGAL. Felt (V) in the Amiaes de Baixo area and (II) at Porto.
	08	03	40	35.0&	60.086	N	153.231	W	128				12	SOUTHERN ALASKA. <AGS-P>.
	08	04	25	04.9	42.830	N	18.733	E	40	*	3.7	1.4	118	YUGOSLAVIA. ML 4.5 (LJU), 4.3 (ZAG), 4.2 (ROM). MD 4.1 (TTG). Felt (VI) at Niksic and (IV) at Danilovgrad, Titagrad, and Dubravnik.
	08	04	50	54.1	42.844	N	18.755	E	23			1.2	48	YUGOSLAVIA. MD 3.2 (TTG). Felt (IV) in the Niksic area.
	08	05	45	50.6	42.664	N	2.412	W	10	G		1.0	9	SPAIN. MG 3.2 (MDD).
	08	05	52	36.2	5.483	S	141.717	E	33	N	4.5	0.9	15	PAPUA NEW GUINEA
	08	06	33	29.4?	39.23	N	8.91	W	5	G		1.1	5	PORTUGAL. MG 3.0 (MDD).
	08	07	33	01.6	39.289	N	23.599	E	10			0.7	13	AEGEAN SEA. ML 3.1 (ATH).
	08	08	02	19.7%	39.266	N	27.730	E	10	G		0.4	5	TURKEY
	08	08	05	44.4	37.257	N	24.354	W	10	G	4.9 4.4	0.9	150	AZORES ISLANDS REGION. Felt (IV) an Santa Maria and (III) on sautheastern Sao Miguel.
	08	08	31	53.0%	39.150	N	27.654	E	10	G		0.4	5	TURKEY
	08	08	49	40.3?	60.82	N	2.56	E	10	G		1.1	5	NORTH SEA. MD 1.8 (BER).
	08	09	03	37.9	26.321	N	96.721	E	33	N	4.4	1.2	17	BURMA
	08	09	29	00.4*	49.824	S	164.601	E	10	G	4.9	0.8	11	AUCKLAND ISLANDS REGION
	08	12	40	28.4	0.755	S	123.508	E	75	*	4.7	1.2	14	MINAHASSA PENINSULA
	08	14	44	35.8	47.350	N	153.242	E	56	D	4.9	0.8	49	KURIL ISLANDS
	08	15	27	12.2*	7.658	N	75.326	W	87	*		1.2	12	NORTHERN COLOMBIA
	08	19	52	34.5?	51.53	N	179.31	W	33	N	4.0	0.4	7	ANDREANOF ISLANDS, ALEUTIAN IS.
	08	20	48	44.2?	19.79	S	174.07	E	33	N		0.4	5	VANUATU ISLANDS REGION
	08	21	15	40.9	44.881	N	17.477	E	10	G		1.2	27	YUGOSLAVIA. ML 3.6 (ZAG), 3.4 (VKA), 3.2 (KBA), 2.7 (LJU). MD 3.6 (TRI). Felt (IV) at Banja Luka.
	08	21	58	46.4*	17.909	N	101.275	W	37	D	4.5	1.5	20	NEAR COAST OF GUERRERO, MEXICO. Felt at Ixtapa.
	08	22	42	45.1	44.189	N	7.245	E	10	G		0.3	8	NORTHERN ITALY. ML 2.1 (GEN).
	08	22	52	21.3*	22.824	S	69.452	E	10	G	4.8	1.0	12	MID-INDIAN RISE
	08	23	51	24.4	37.765	N	20.781	E	10	G		1.0	14	IONIAN SEA. ML 3.5 (ATH).
	09	00	28	20.8*	27.561	S	69.436	W	126	?		1.3	6	NORTHERN CHILE
	09	02	07	38.1&	35.200	N	120.800	W	9				11	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
a	09	02	31	36.1	29.177	N	90.077	E	10	G	5.2 4.7	1.0	178	TIBET
	09	02	32	00.2?	9.53	S	129.00	E	209	?	4.4	0.7	7	TIMOR SEA
	09	02	54	04.3	36.637	N	42.211	E	33	N	4.6	1.2	59	IRAQ
	09	04	16	27.4	59.960	N	145.085	E	33	N	4.9	1.1	58	EASTERN SIBERIA. Felt (III) at Magadan.
	09	04	42	59.5	44.137	N	21.655	E	10	G		1.5	15	YUGOSLAVIA. ML 3.0 (TTG).
	09	05	03	44.5%	38.434	N	1.197	W	10	G		1.3	6	SPAIN. MD 3.1 (MDD).
a	09	05	07	50.6	51.510	N	178.386	W	33	N	5.2 4.7	0.8	224	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.7 (PMR). Felt (III) on Adak.
	09	07	07	32.3*	51.076	N	177.999	W	33	N	4.8	1.3	23	ANDREANOF ISLANDS, ALEUTIAN IS.
	09	07	29	03.6&	34.250	N	117.100	W	8				14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	09	07	42	22.6?	35.63	N	26.35	E	33	N		0.5	4	CRETE. MD 3.1 (ATH).
	09	07	51	37.9&	61.547	N	151.827	W	0				39	SOUTHERN ALASKA. <AGS-P>. ML 3.1 (PMR).
	09	08	45	48.2&	61.534	N	151.790	W	0				36	SOUTHERN ALASKA. <AGS-P>.
a	09	09	14	34.1	16.265	S	172.845	W	25	D	5.1 4.9	1.2	76	SAMOA ISLANDS REGION
a	09	09	22	34.8	20.791	S	178.703	W	593		5.1	0.8	140	FIJI ISLANDS REGION

	09	09	38	29.1*	9.799	S	119.661	E	33	N	4.2		1.2	8	SUMBA ISLAND REGION
	09	10	01	37.7?	47.17	N	7.28	E	10	G			0.4	5	SWITZERLAND. ML 2.3 (LDG).
	09	10	33	34.5&	50.461	N	119.517	W	18	G				28	BRITISH COLUMBIA. <PGC-P>. ML 3.5 (PGC). CL 3.6 (SEA). Felt at Enderby, Salman Arm, Sarrenta and Vernan.
	09	10	52	21.5?	19.26	N	95.73	E	33	N	3.9		0.7	7	BURMA
	09	11	24	19.3&	40.419	N	110.942	W	9					15	UTAH. <SLC-P>. ML 3.2 (SLC). Felt (II) at Tabiana.
	09	12	38	15.8*	6.536	S	147.918	E	67	*	4.8		1.2	23	EAST PAPUA NEW GUINEA REGION
	09	12	47	22.5*	2.675	N	128.533	E	33	N	5.1		0.8	16	HALMAHERA
	09	12	50	40.2%	39.369	N	28.360	E	10	G			1.1	5	TURKEY
	09	13	06	07.4?	40.88	N	122.39	E	10	G			0.4	4	NORTHEASTERN CHINA. ML 3.8 (BJI).
	09	13	21	59.5%	39.368	N	28.373	E	10	G			0.6	7	TURKEY
	09	15	48	46.1	2.930	N	84.347	W	10	G	5.0		1.1	55	OFF COAST OF CENTRAL AMERICA
	09	15	50	13.3*	2.557	N	84.419	W	10	G	4.9		0.9	16	OFF COAST OF CENTRAL AMERICA
	09	16	03	53.7&	58.966	N	153.016	W	75					33	KODIAK ISLAND REGION. <AGS-P>.
	09	16	45	36.7	39.376	N	28.419	E	10	G			0.9	15	TURKEY. MD 3.2 (ATH).
a	09	16	57	06.5	20.527	S	174.378	E	33	N	5.1	5.1	1.0	53	VANUATU ISLANDS REGION
	09	17	01	34.3%	39.381	N	28.411	E	10	G			1.2	9	TURKEY
	09	17	36	19.7&	57.570	N	148.739	W	10	G				15	GULF OF ALASKA. <AGS-P>.
	09	17	39	11.1%	39.362	N	28.383	E	10	G			0.6	13	TURKEY
	09	17	50	35.7?	20.26	S	178.88	W	490	?	4.2		1.2	19	FIJI ISLANDS REGION
	09	19	11	25.9	39.373	N	28.448	E	10	G			1.1	15	TURKEY. MD 3.2 (ATH).
	09	19	39	38.7*	37.779	N	14.778	E	10	G			1.0	6	SICILY
	09	19	53	16.1?	11.37	S	33.99	E	10	G	4.2		0.3	5	MALAWI
	09	20	43	18.6*	51.819	N	174.509	W	33	N	4.1		0.7	8	ANDREANOF ISLANDS, ALEUTIAN IS.
	09	20	44	08.0	41.821	N	22.875	E	10	G			1.3	8	YUGOSLAVIA. ML 2.8 (SKO).
	09	20	46	28.4*	41.855	N	22.803	E	10	G			1.3	8	YUGOSLAVIA. ML 2.3 (SKO).
	09	20	50	05.1	41.830	N	22.863	E	10	G			1.3	15	YUGOSLAVIA. ML 3.1 (SKO). MD 2.9 (ATH).
	09	20	52	32.8*	41.818	N	22.846	E	10	G			1.2	5	YUGOSLAVIA. ML 2.2 (SKO).
	09	20	58	29.5&	37.422	N	121.807	W	6					22	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt (V) at San Jose. Felt (IV) at Alvisa and Cupertina.
	09	21	25	49.5?	44.60	N	7.00	E	10	G			0.3	4	NORTHERN ITALY. ML 2.1 (GEN).
	09	21	46	17.2	39.372	N	28.428	E	10	G			0.8	16	TURKEY. MD 3.2 (ATH).
	09	22	01	03.3*	48.216	N	152.851	E	33	N	4.8		0.6	35	KURIL ISLANDS
	09	22	04	26.2	18.980	N	145.073	E	554		4.5		0.7	49	MARIANA ISLANDS
	09	22	13	30.2	41.817	N	22.862	E	10	G			1.0	9	YUGOSLAVIA. ML 2.4 (SKO).
	09	23	08	17.7	42.101	N	15.581	E	10	G			1.1	9	ADRIATIC SEA
	09	23	18	17.7*	36.487	N	1.286	E	33	N			1.5	8	ALGERIA. MG 3.4 (MDD).
	09	23	41	37.5?	40.94	N	19.67	E	10	G			1.5	5	ALBANIA. ML 1.8 (SKO).
	09	23	56	39.3*	44.244	N	129.540	W	10	G	4.2		0.8	34	OFF COAST OF OREGON
	10	00	29	42.0%	39.330	N	28.375	E	10	G			0.7	8	TURKEY
	10	00	44	56.9	56.682	N	156.890	W	83	?			0.4	15	ALASKA PENINSULA
	10	01	34	02.8	41.832	N	22.870	E	12				0.8	10	YUGOSLAVIA. ML 2.7 (SKO). MD 2.8 (ATH).
	10	02	34	38.2	44.235	N	129.236	W	10	G	4.3		0.9	53	OFF COAST OF OREGON
	10	03	32	33.0%	39.370	N	28.370	E	10	G			0.5	5	TURKEY
	10	03	37	11.6%	40.021	N	30.434	E	10	G			0.4	5	TURKEY
	10	03	37	13.3?	17.98	S	178.74	W	686	?	4.7		0.5	13	FIJI ISLANDS REGION
	10	03	45	29.0	39.362	N	28.487	E	10	G			1.2	17	TURKEY
	10	03	50	40.2%	39.381	N	28.363	E	10	G			0.2	5	TURKEY
	10	03	54	56.9?	34.37	N	28.93	E	10	G			0.7	5	EASTERN MEDITERRANEAN SEA
	10	04	02	45.4%	39.379	N	28.429	E	17				0.8	13	TURKEY
	10	04	08	16.7%	39.403	N	28.332	E	10	G			0.9	6	TURKEY
	10	05	08	29.2%	39.375	N	28.374	E	10	G			0.8	9	TURKEY
	10	06	48	51.9	39.298	N	23.623	E	9				1.1	16	AEGEAN SEA. ML 3.0 (ATH).
	10	07	37	31.9%	16.761	S	126.458	E	10	G			0.5	5	WESTERN AUSTRALIA
	10	08	18	05.2*	41.835	N	22.868	E	10	G			1.1	5	YUGOSLAVIA. ML 1.8 (SKO).
	10	08	42	39.5*	44.196	N	129.344	W	10	G	4.2		0.4	18	OFF COAST OF OREGON
	10	10	08	40.6	6.948	S	155.719	E	67		4.9		1.0	26	SOLOMON ISLANDS. Felt (III) at Arawa, Baugainville.
	10	11	38	36.3	41.966	N	24.487	E	10	G			1.4	7	GREECE-BULGARIA BORDER REGION
	10	11	43	06.9?	59.35	N	2.34	E	10	G			0.2	6	NORTH SEA. MD 2.3 (BER).
	10	12	10	40.9%	11.200	N	61.788	W	10	G			1.0	5	WINDWARD ISLANDS. MD 3.4 (TRN).
	10	12	17	15.1*	2.667	N	128.764	E	262	?	4.5		0.7	18	HALMAHERA
	10	13	06	49.1	3.213	S	128.012	E	104	?	4.7		1.0	18	CERAM
	10	13	40	21.4?	43.47	N	24.88	E	10	G			1.0	9	BULGARIA
	10	14	47	36.8%	41.150	N	28.494	E	10	G			0.8	7	TURKEY
	10	14	56	05.6%	40.527	N	27.569	E	10	G			1.5	7	TURKEY
	10	15	59	52.9*	44.504	N	128.862	W	10	G	4.1		1.2	12	OFF COAST OF OREGON
	10	16	13	54.4*	44.346	N	129.202	W	10	G	4.3		1.3	13	OFF COAST OF OREGON
	10	17	56	51.4	44.332	N	129.270	W	10	G	4.3		1.0	35	OFF COAST OF OREGON
	10	18	12	16.0&	37.136	N	82.068	W	0		4.3			10	WEST VIRGINIA. <BLA>. mbLg 3.8 (BLA). Coal bump in Buchanan County, Virginia. Felt (III) at Mavisdale, Virginia.
	10	18	23	13.2?	13.67	N	60.23	W	33	N			0.1	7	WINDWARD ISLANDS. ML 3.1 (FDF).
	10	18	28	09.4*	41.977	N	22.585	E	10	G			1.2	6	YUGOSLAVIA. ML 2.7 (SKO).
	10	20	52	11.3	43.315	N	20.989	E	10	G			1.2	20	YUGOSLAVIA. ML 2.7 (TTG).
	10	20	55	44.8	10.145	S	119.039	E	33	N	5.0		1.0	36	SUMBA ISLAND REGION
	10	21	14	13.8%	60.750	N	11.265	E	10	G			1.3	5	SOUTHERN NORWAY. ML 1.8 (BER). Felt.
	10	21	19	03.6	35.198	N	137.164	E	43	?			0.9	11	HONSHU, JAPAN. MG 3.7 (JMA). Felt (I JMA) at Nagaya.
	10	21	22	21.3	46.591	N	6.318	E	10	G			1.1	25	SWITZERLAND. ML 3.1 (LDG).
	10	22	57	02.7?	51.39	N	20.27	E	10	G			0.8	5	POLAND. ML 2.9 (KRA), 2.8 (VKA).
	10	23	05	29.3	7.469	S	156.875	E	40		5.0		0.9	45	SOLOMON ISLANDS
	10	23	42	03.1&	37.955	N	122.315	W	2					10	CENTRAL CALIFORNIA. <BRK>. ML 2.2 (BRK). Ma=2.0*10**13 Nm (BRK). Felt at EL Cerrita, El Sabrante and Richmand.
	10	23	49	49.3	36.366	N	26.765	E	151	*			0.7	14	DODECANESE ISLANDS
	11	01	07	08.4	36.647	N	27.935	E	10	G			0.8	8	DODECANESE ISLANDS. ML 3.2 (ATH).
f	11	03	56	36.9	49.488	N	159.185	E	16	G	6.3	6.6	1.0	545	KURIL ISLANDS REGION. Ms 6.1 (BRK), 6.0 (PAS). Ma=3.0*10**19 Nm (PPT). Felt (V) at Severa-Kurilsk, Mys Vasilyeva and an Shumshu; (IV) at Petrapavlavsk-Kamchatskiy. Depth fram broadband displacement seismagrams.
	11	05	23	00.1	29.722	N	64.090	E	33	N	4.6		1.5	26	PAKISTAN
	11	07	14	21.3*	32.736	S	178.846	W	33	N	5.2	4.8	1.3	21	SOUTH OF KERMADEC ISLANDS
	11	09	55	54.7%	11.228	N	61.694	W	10	G			1.4	5	WINDWARD ISLANDS. MD 3.0 (TRN).
	11	10	59	52.9?	4.99	S	134.83	E	33	N	4.2		1.1	7	WEST IRIAN REGION

	11	11	26	53.2*	18.211	S	167.316	E	33	N	4.9	4.4	1.3	29	VANUATU ISLANDS
	11	12	23	07.1	40.474	N	23.406	E	10	G			1.5	12	GREECE. MD 3.1 (ATH).
	11	12	31	57.0&	33.930	N	118.628	W	6	G				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt (IV) at Santa Monico.
	11	13	06	16.1	63.651	N	148.378	W	33	N			0.4	9	CENTRAL ALASKA. ML 3.2 (PMR).
	11	13	49	15.2	34.895	N	9.142	E	38	*	4.8		1.3	84	TUNISIA
	11	13	50	08.5?	35.86	N	81.23	E	33	N	4.1		1.2	5	SOUTHERN XINJIANG, CHINA
	11	13	53	22.4	1.040	S	126.558	E	33	N	5.0	4.6	1.0	25	MOLUCCA SEA
	11	14	02	02.4	63.425	N	147.630	W	33	N			0.6	10	CENTRAL ALASKA. ML 3.5 (PMR).
	11	14	40	39.9*	6.867	S	147.742	E	31				0.7	10	EAST PAPUA NEW GUINEA REGION
	11	14	45	27.0	40.294	N	29.459	E	10	G			1.5	8	TURKEY
	11	15	30	24.1*	38.486	S	14.718	W	10	G	4.8		1.2	20	TRISTAN DA CUNHA REGION
	11	16	18	54.3	44.152	N	8.197	E	10	G			0.7	10	NORTHERN ITALY. ML 2.6 (LDG), 2.3 (GEN).
	11	16	32	59.9&	47.274	N	122.907	W	47					46	WASHINGTON. <SEA>. CL 2.8 (SEA).
	11	16	56	41.2*	27.685	S	26.363	E	5	G			1.4	7	REPUBLIC OF SOUTH AFRICA. MG 3.5 (BUL).
	11	18	04	25.5*	24.056	N	120.846	E	33	N			1.1	8	TAIWAN
	11	19	01	20.2*	11.736	N	59.843	W	10	G			1.0	15	NORTH ATLANTIC OCEAN. ML 4.0 (FDF). MD 3.8 (TRN).
	11	19	40	59.8	35.991	N	139.951	E	64		4.7		1.0	26	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Utsunomiya, (II JMA) at Mito and (I JMA) at Kumagaya and Nikka.
	11	20	08	41.6?	5.53	S	29.57	E	10	G			1.3	6	LAKE TANGANYIKA REGION. MG 4.1 (LSZ).
	11	20	26	21.6%	60.257	N	5.017	E	10	G			0.3	6	SOUTHERN NORWAY. MD 1.5 (BER).
	11	20	40	34.8	44.624	N	7.043	E	10	G			0.3	15	NORTHERN ITALY. ML 2.5 (GEN), 2.4 (LDG).
	11	21	26	12.6*	41.956	N	19.212	E	10	G			1.3	9	ALBANIA. MD 2.2 (TTG).
	11	22	02	26.7*	40.727	N	29.739	E	10	G			1.0	5	TURKEY
	11	22	57	53.2&	60.137	N	153.036	W	120					42	SOUTHERN ALASKA. <AGS-P>.
	11	23	08	02.8*	18.261	N	65.339	W	10	G			1.1	11	PUERTO RICO REGION. Minor damage in eastern Puerto Rica. Felt throughaut eastern Puerto Rico and western Virgin Islands.
	12	00	01	19.6*	31.160	N	50.539	E	33	N			1.3	6	IRAN
	12	01	28	14.8?	0.53	N	132.57	E	33	N	4.9	3.9	1.6	6	WEST IRIAN REGION
	12	03	37	32.7*	39.265	N	23.560	E	12				1.4	10	AEGEAN SEA. ML 3.2 (ATH).
	12	04	26	07.4	44.245	N	6.753	E	10	G			0.4	18	FRANCE. ML 2.3 (GEN), 2.1 (LDG).
	12	04	46	59.9	44.299	N	10.798	E	10	G			1.1	75	NORTHERN ITALY. MD 3.7 (TRI). ML 3.7 (LDG), 3.6 (KBA). Felt at Pistaio.
	12	05	05	15.9	13.308	N	39.984	E	33	N	4.9		0.8	69	ETHIOPIA. ML 5.0 (ARO).
	12	06	39	38.4&	37.805	N	121.732	W	12					27	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=5.1*10**14 Nm (BRK). Felt (IV) at Dublin and Pleasantan; (III) at San Lorenzo. Also felt at Livermore.
	12	06	47	31.0*	11.281	S	167.101	E	42	?	4.8		1.2	14	SANTA CRUZ ISLANDS
	12	07	26	27.9	41.440	N	142.227	E	72		4.1		1.1	20	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hachinohe.
	12	08	40	38.7&	31.700	N	115.760	W	6	G				24	BAJA CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	12	10	05	43.2	38.098	N	22.029	E	10	G	4.4	3.7	1.2	90	GREECE. ML 4.3 (ATH). Minor damage at Leondion. Felt throughaut Akhoia.
	12	10	46	02.6	39.246	N	23.560	E	10	G			1.1	14	AEGEAN SEA. ML 3.5 (ATH).
	12	11	35	03.3%	37.978	N	21.847	E	10	G			0.7	7	SOUTHERN GREECE. MG 3.6 (TRN).
	12	12	12	45.1&	48.419	N	122.230	W	1					9	WASHINGTON. <SEA>. CL 1.5 (SEA). Felt at Maunt Vernan.
	12	12	45	29.8?	7.56	S	131.07	E	33	N	4.3		1.4	8	TANIMBAR ISLANDS REGION
	12	13	53	29.7	38.090	N	22.080	E	14		4.2		1.2	61	GREECE. ML 4.0 (ATH).
	12	15	48	52.6%	39.041	N	27.629	E	10	G			1.2	7	TURKEY
	12	16	37	06.4&	40.797	N	124.668	W	15					7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK).
	12	17	02	11.7	35.285	N	135.445	E	371		4.2		0.9	48	SOUTHERN HONSHU, JAPAN
	12	17	10	29.5&	40.818	N	124.682	W	14					7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	12	17	26	59.7*	51.103	N	15.992	E	10	G			1.2	5	POLAND
	12	18	22	05.8	40.342	N	21.842	E	10	G			1.5	20	GREECE. MG 3.2 (TIR).
	12	18	30	18.6?	25.65	N	144.07	E	33	N	4.5		0.8	9	VOLCANO ISLANDS REGION
	12	19	09	37.9	43.683	N	8.414	E	10	G			0.8	23	CORSICA. ML 2.7 (GEN), 2.7 (LDG).
	12	19	24	02.7	38.104	N	21.972	E	28		4.2		1.4	69	GREECE. ML 3.9 (ATH).
	12	20	10	53.6*	44.600	N	6.620	E	10	G			0.3	8	FRANCE. ML 2.5 (GEN).
	12	20	17	06.9&	38.800	N	122.800	W	1					8	NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK).
	12	21	11	49.0%	31.655	N	35.671	E	10	G			0.8	6	DEAD SEA REGION
	12	21	43	50.4	39.273	N	23.592	E	11		4.0		1.3	59	AEGEAN SEA. ML 3.6 (ATH).
	12	22	23	38.4*	59.958	S	53.619	W	10	G	5.0		1.4	29	SCOTIA SEA
	12	23	31	59.9	39.278	N	23.498	E	10	G			1.4	19	AEGEAN SEA. ML 3.1 (ATH).
	12	23	49	25.6%	39.576	N	28.856	E	10	G			0.1	5	TURKEY
	12	23	57	05.1?	35.78	N	140.65	E	70	*	4.2		1.3	15	NEAR EAST COAST OF HONSHU, JAPAN
	13	00	08	34.6	38.604	N	27.291	E	14				1.3	11	TURKEY
	13	00	42	15.9?	10.69	N	86.46	W	33	N			1.2	13	OFF COAST OF COSTA RICA. MD 4.2 (HDC).
a	13	00	43	11.2	39.533	S	75.002	W	33	N	5.8	5.5	1.0	190	OFF COAST OF CENTRAL CHILE
	13	00	50	29.9%	40.106	N	29.325	E	10	G			0.8	7	TURKEY
	13	01	15	19.1?	41.70	N	12.69	E	11				0.7	7	SOUTHERN ITALY
	13	01	30	51.5	16.429	N	119.916	E	54		4.9	4.0	1.0	93	LUZON, PHILIPPINE ISLANDS
	13	02	07	35.9	34.183	N	96.713	E	33	N	4.4		1.3	22	QINGHAI PROVINCE, CHINA
	13	02	10	01.0	38.919	N	24.961	E	10	G			1.0	17	AEGEAN SEA. ML 3.0 (ATH).
	13	02	17	56.3*	39.402	N	23.537	E	10	G			1.5	10	AEGEAN SEA. ML 3.2 (ATH).
	13	02	39	50.3	45.413	N	26.138	E	10	G			0.9	10	ROMANIA
	13	02	42	45.2%	38.599	N	27.145	E	10	G			1.4	12	TURKEY
	13	02	46	23.3%	38.603	N	27.153	E	10	G			1.1	8	TURKEY
	13	03	26	27.8?	38.07	S	73.56	W	33	N			0.8	11	NEAR COAST OF CENTRAL CHILE
	13	03	33	28.3	38.640	N	27.241	E	10	G			1.3	11	TURKEY
	13	03	49	43.7*	27.287	S	177.143	W	33	N	4.8		1.3	21	KERMADEC ISLANDS REGION
	13	04	04	30.1*	53.482	S	140.176	E	10	G	5.1		1.5	30	WEST OF MACQUARIE ISLAND
	13	05	02	35.6&	37.420	N	121.813	W	5					17	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=1.7*10**14 Nm (BRK). Felt at San Jose.
	13	05	26	27.1?	17.82	N	65.63	W	10	G			0.3	6	PUERTO RICO REGION. Felt at Caguas.
	13	05	45	23.9?	17.82	N	65.66	W	10	G			0.2	5	PUERTO RICO REGION
	13	06	33	51.0%	38.610	N	27.192	E	10	G			1.1	5	TURKEY
	13	07	16	40.4?	35.70	N	141.39	E	31				0.6	8	NEAR EAST COAST OF HONSHU, JAPAN. MG 3.6 (JMA). Felt (I JMA) at Mito.
a	13	07	25	36.7	24.472	N	92.505	E	33	N	5.1	5.0	1.2	140	INDIA-BANGLADESH BORDER REGION. Felt in the Dhaka-Chittagong area, Bangladesh. Also felt in the Agartala-Silchar area, India.
	13	07	28	40.7?	38.25	N	26.38	E	10	G			1.4	5	AEGEAN SEA

	13	07	45	13.9%	40.829	N	27.913	E	10	G			1.3	6	TURKEY
	13	07	49	20 3	41.764	N	45.855	E	33	N	4.8		1.2	91	EASTERN CAUCASUS. Felt (V) at Tbilisi and Stepanavan; (IV) at Kirovakan, Tumanyan and Krasnaselsk; (III) at Bakuriani and Makhachkala.
	13	07	55	11.3	13.263	N	39.925	E	33	N	5.3	5.2	0.9	132	ETHIOPIA. ML 5.2 (ARO).
	13	08	04	41.2*	38.579	N	27.191	E	10	G			1.4	11	TURKEY
	13	08	22	49.6%	38.615	N	27.180	E	10	G			0.9	5	TURKEY
	13	08	44	56.0*	38.636	N	27.285	E	10	G			1.2	8	TURKEY
	13	09	03	39.5	27.972	S	66.491	W	173		4.3		1.1	35	CATAMARCA PROVINCE, ARGENTINA
	13	09	52	03.0%	60.693	N	6.009	E	10	G			0.3	5	SOUTHERN NORWAY. MD 1.9 (BER).
	13	10	47	44.9*	27.353	N	142.566	E	33	N	4.7		1.5	24	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
	13	12	00	57.0*	22.045	S	68.314	W	116	D	4.1		1.5	18	NORTHERN CHILE
a	13	12	17	31.3	13.290	N	39.980	E	33	N	4.9	4.9	1.4	91	ETHIOPIA
	13	12	18	23.8	38.652	N	27.192	E	10	G			1.1	14	TURKEY Felt at Izmir.
	13	12	35	04 3*	13.336	N	39.963	E	33	N	4.4		1.5	9	ETHIOPIA. ML 4.3 (ARO).
	13	12	55	20 1&	61.710	N	149.657	W	30					36	SOUTHERN ALASKA. <AGS-P>.
	13	13	00	48.7	13.351	N	40.011	E	33	N	4.8		0.9	43	ETHIOPIA. ML 4.8 (ARO).
	13	13	04	04.1	38.626	N	27.275	E	10	G			1.1	14	TURKEY
	13	13	55	49.5*	5.911	S	130.544	E	33	N	4.1		1.2	8	BANDA SEA
	13	14	14	31.7%	11.375	N	61.799	W	10	G			1.0	7	WINDWARD ISLANDS. MG 3.6 (TRN).
	13	14	34	37.5	45.767	N	26.691	E	120		4.7		1.1	47	ROMANIA
	13	14	38	28.6?	4.11	N	32.51	W	10	G			1.3	7	CENTRAL MID-ATLANTIC RIDGE
	13	15	52	46.9*	5.727	S	131.027	E	111	*	4.9		1.0	15	BANDA SEA
	13	16	08	40.2	38.623	N	27.188	E	10	G			1.0	26	TURKEY
	13	16	17	29.1%	38.665	N	27.234	E	10	G			1.0	8	TURKEY
	13	16	19	49.7*	33.563	N	24.709	E	10	G			0.9	5	MEDITERRANEAN SEA. MD 3.8 (ATH).
	13	16	58	50.8*	2.103	N	126.162	E	33	N	4.7		1.4	17	MOLUCCA PASSAGE
	13	17	10	15.9%	38.559	N	26.960	E	10	G			1.5	7	AEGEAN SEA
	13	18	49	24.6?	55.88	N	160.90	W	168	*	4.0		0.2	11	ALASKA PENINSULA
	13	19	36	11.5*	51.204	N	15.552	E	10	G			1.3	10	POLAND. ML 3.7 (VKA), 3.4 (KBA).
	13	20	04	19.6	36.514	N	24.025	E	66	*	3.9		1.1	21	SOUTHERN GREECE. MD 3.7 (ATH).
	13	21	34	43.5*	50.730	N	14.244	E	10	G			0.2	5	CZECHOSLOVAKIA. ML 3.4 (VKA).
	13	21	39	29.0	39.549	N	29.157	E	10	G			0.9	18	TURKEY
	13	22	39	10.3	40.384	N	25.953	E	10	G			0.6	6	AEGEAN SEA. MD 2.9 (ATH).
	13	23	45	12.9?	70.11	N	8.34	E	0	G			0.5	5	NORWEGIAN SEA. MD 3.1 (BER).
a	14	01	15	44.5	14.879	S	167.211	E	158	*	5.2		1.3	91	VANUATU ISLANDS
	14	01	57	08.6?	42.14	N	145.97	E	33	N	4.8		1.1	13	HOKKAIDO, JAPAN REGION
	14	02	34	00.0*	9.342	S	118.658	E	33	N			1.0	5	SUMBAWA ISLAND REGION
	14	04	17	48.0?	39.05	N	23.67	E	10	G			0.9	7	AEGEAN SEA
	14	05	55	14.1&	59.928	N	153.222	W	126					20	SOUTHERN ALASKA. <AGS-P>.
	14	05	57	06.5	37.586	N	20.873	E	54	*	3.9		1.2	33	IONIAN SEA. MD 3.6 (ATH).
	14	06	39	13.8?	49.37	N	155.97	E	33	N	4.6		0.6	10	KURIL ISLANDS
	14	06	45	55.0&	36.563	N	121.202	W	8					21	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	14	07	00	30.9&	58.422	N	142.716	W	10	G				23	GULF OF ALASKA. <AGS-P>.
	14	07	17	43.6*	11.008	S	164.165	E	50	?	4.8	4.1	1.5	14	SANTA CRUZ ISLANDS REGION
	14	07	56	45.1*	6.954	N	72.998	W	150	*	4.6		1.0	16	NORTHERN COLOMBIA
	14	08	56	06.3&	59.809	N	153.404	W	120					11	SOUTHERN ALASKA. <AGS-P>.
	14	10	03	27.7	19.116	N	69.598	W	94		4.8		1.0	82	DOMINICAN REPUBLIC REGION
	14	10	28	59.8*	37.661	N	24.912	E	10	G			1.5	5	SOUTHERN GREECE. ML 2.7 (ATH).
	14	10	55	27.3	15.031	N	59.602	W	22				0.7	22	LEEWARD ISLANDS. ML 3.9 (FDF).
	14	11	07	41.9*	38.629	N	27.168	E	10	G			0.3	6	TURKEY
	14	11	11	48.3&	47.655	N	122.200	W	0					15	WASHINGTON. <SEA>. CL 1.5 (SEA). Felt in the Juanita Creek area.
	14	11	17	44.7*	37.879	N	72.415	E	33	N	4.3		1.0	11	TAJIK SSR
	14	11	34	16.1	40.253	N	19.872	E	10	G			1.4	12	ALBANIA. MD 3.2 (ATH).
	14	11	44	39.6*	53.122	N	171.401	E	33	N	4.9		0.9	23	NEAR ISLANDS, ALEUTIAN ISLANDS
	14	11	54	49.0?	44.60	N	27.48	E	10	G			1.4	8	ROMANIA
	14	12	33	43.8*	40.663	N	29.990	E	10	G			1.5	9	TURKEY
a	14	12	52	26.7	19.201	N	145.522	E	168	*	5.4		1.1	146	MARIANA ISLANDS
	14	13	02	50.2*	38.182	N	20.705	E	10	G			1.2	6	GREECE. MD 3.4 (ATH).
a	14	13	02	52.6	18.172	S	178.393	W	636		5.4		0.9	223	FIJI ISLANDS REGION
	14	13	03	44.3?	25.27	S	174.66	W	33	N			1.3	6	SOUTH OF TONGA ISLANDS
	14	13	04	42.2	18.180	S	178.475	W	635	*	5.0		0.8	92	FIJI ISLANDS REGION
	14	14	53	57.7	42.303	N	19.851	E	10	G	3.2		1.3	62	YUGOSLAVIA. MD 3.8 (ATH), 3.5 (TTG).
	14	16	19	01.9	17.794	N	65.616	W	10	G			0.5	12	PUERTO RICO REGION
	14	16	31	35.6*	14.085	S	34.143	E	10	G			1.5	5	MALAWI. MG 3.7 (LSZ).
	14	17	05	42.9%	16.863	N	61.783	W	10	G			1.3	5	LEEWARD ISLANDS. ML 3.1 (FDF).
	14	17	50	51.0	49.100	N	6.889	E	10	G			1.2	7	GERMANY. MD 2.6 (STR).
	14	18	19	14.8?	19.53	S	177.58	W	437	*	4.8		1.4	14	FIJI ISLANDS REGION
	14	19	45	08.0	67.561	N	142.655	W	33	N			0.9	8	ALASKA
	14	20	08	00.3	44.381	N	7.171	E	10	G			0.6	13	NORTHERN ITALY. ML 3.6 (LDG).
	14	20	23	57.2	42.352	N	19.913	E	14	*			0.7	13	YUGOSLAVIA. MD 2.2 (TTG).
	14	20	36	12.0?	17.81	N	65.65	W	10	G			0.2	5	PUERTO RICO REGION. Felt in eastern Puerto Rico.
	14	22	51	52.4	23.322	N	99.308	E	33	N	4.6		1.2	34	BURMA-CHINA BORDER REGION. ML 4.7 (BJI).
	14	22	57	59.6	41.132	N	74.525	E	33	N	4.6		0.6	12	KIRGHIZ SSR
	14	23	24	19.3	17.845	N	65.624	W	22				0.7	13	PUERTO RICO REGION. Felt in eastern Puerto Rico.
	14	23	30	39.8	32.632	N	47.743	E	33	N	4.6		1.0	83	IRAN-IRAQ BORDER REGION
	14	23	35	30.1	33.642	S	71.633	W	15	*			0.6	11	NEAR COAST OF CENTRAL CHILE
	15	00	27	28.2%	44.002	N	7.436	E	10	G			0.3	5	NORTHERN ITALY. MD 1.0 (STR).
	15	02	24	00.6	7.193	S	126.935	E	325	*	4.8		1.0	21	BANDA SEA
	15	03	02	17.6%	40.803	N	27.955	E	10	G			0.5	7	TURKEY
	15	05	42	13.4	44.227	N	6.329	E	2				0.4	14	FRANCE. ML 2.5 (LDG).
	15	06	35	03.2?	50.34	N	18.37	E	10	G			1.5	5	POLAND
	15	06	40	24.9	87.118	N	47.405	E	10	G	4.4		1.0	36	NORTH OF FRANZ JOSEF LAND
	15	07	23	19.6*	38.060	N	21.915	E	10	G			1.3	6	GREECE. ML 3.0 (ATH).
	15	07	51	10.1?	17.85	N	65.72	W	10	G			0.4	6	PUERTO RICO REGION
	15	07	56	53.3	42.284	N	19.877	E	10	G			1.2	46	YUGOSLAVIA. MD 3.4 (ATH), 3.2 (TTG).
	15	08	04	03.4*	3.779	N	82.721	W	33	N	4.6		1.5	15	SOUTH OF PANAMA
	15	08	06	13.3*	35.443	N	141.112	E	33	N	4.1		1.1	10	NEAR EAST COAST OF HONSHU, JAPAN
	15	08	58	24.5%	39.489	N	29.067	E	10	G			0.4	7	TURKEY
	15	10	15	08.0	46.042	N	14.142	E	10	G			1.2	8	YUGOSLAVIA. ML 1.9 (KBA).
	15	12	10	45.2*	41.845	N	22.759	E	10	G			1.2	6	YUGOSLAVIA. ML 2.7 (SKO).
	15	12	30	50.5*	3.128	S	147.335	E	33	N	4.7	4.6	1.2	19	BISMARCK SEA

	15	14	22	34.2	41.837	N	23.692	E	10	G			0.7	8	GREECE-BULGARIA BORDER REGION. ML 2.4 (SKO).
a	15	14	26	41.2	8.453	N	61.039	W	23	G	5.8	5.1	0.9	358	VENEZUELA. Felt on southern Trinidad. Depth from broadband displacement seismograms.
	15	15	04	08.7?	13.59	N	120.38	E	33	N	4.6		0.4	9	MINDORO, PHILIPPINE ISLANDS
	15	16	03	04.5	40.542	N	139.396	E	41		4.8		1.0	44	NEAR WEST COAST OF HONSHU, JAPAN
	15	16	39	51.1	36.557	N	89.711	W	5	G			0.6	9	NEW MADRID, MISSOURI REGION. mbLg 3.0 (NEIS).
	15	17	22	02.4	39.853	N	19.602	E	10	G			1.1	15	GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH).
	15	17	40	01.9?	5.72	S	130.14	E	33	N	4.6		1.4	8	BANDA SEA
	15	18	15	56.3?	38.28	N	20.23	E	10	G			1.2	6	GREECE. MD 3.4 (ATH).
	15	18	43	17.4	5.341	S	145.516	E	95	*	4.7		1.0	24	EAST PAPUA NEW GUINEA REGION
f	15	20	34	08.9	29.987	N	99.195	E	13	G	6.2	6.2	1.2	406	SICHUAN PROVINCE, CHINA. Four people killed, 5 injured and considerable damage in the Batang area. Seven people killed, at least 37 injured and additional damage in the area due to a number of aftershocks. Depth from broadband displacement seismograms.
	15	21	05	27.6?	29.92	N	99.38	E	33	N	4.6		0.4	6	SICHUAN PROVINCE, CHINA
	15	21	16	43.6?	30.52	N	98.45	E	33	N	4.1		1.0	7	TIBET
	15	22	03	27.5	42.035	N	142.612	E	72		4.8		0.9	56	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Hiroo, Tomakomai, Urokawa and Obihiro. Also felt (I JMA) at Hachinahe, Honshu.
	15	22	33	32.5	24.828	N	122.440	E	118		4.5		0.8	17	TAIWAN REGION
a	15	23	48	36.8	13.723	S	171.926	E	602		5.2		1.2	173	VANUATU ISLANDS REGION
	16	00	20	37.0%	39.374	N	27.730	E	10	G			0.2	5	TURKEY
	16	00	26	44.6?	10.86	S	165.49	E	33	N	4.9	3.8	1.2	10	SANTA CRUZ ISLANDS
	16	00	50	07.3%	39.405	N	27.697	E	10	G			0.7	6	TURKEY
	16	01	10	06.1?	51.99	N	176.25	E	33	N	4.1		1.7	9	RAT ISLANDS, ALEUTIAN ISLANDS
	16	03	48	39.5?	17.99	N	65.70	W	33	N			1.1	5	PUERTO RICO REGION
	16	04	37	58.2%	40.841	N	27.779	E	10	G			1.3	7	TURKEY
	16	04	46	29.6	47.572	N	12.183	E	10	G			1.0	9	AUSTRIA. ML 3.0 (VKA), 2.3 (KBA). Felt (V) at Woergl.
	16	05	23	04.2%	37.903	N	27.356	E	10	G			0.8	5	TURKEY
a	16	05	24	23.3	26.533	N	126.388	E	133		5.3		1.0	199	RYUKYU ISLANDS. Felt (II JMA) on Kume-shima. Also felt (II JMA) at Naha and (I JMA) at Nago, Okinowa.
	16	06	20	54.9*	13.855	N	43.113	E	10	G			0.1	7	WESTERN ARABIAN PENINSULA. ML 4.1 (ARO).
a	16	06	50	24.4	1.012	N	120.061	E	27	D	5.3	4.9	1.1	98	MINAHASSA PENINSULA
	16	07	15	39.7*	24.324	S	67.216	W	200	*			1.0	9	CHILE-ARGENTINA BORDER REGION
	16	07	28	14.6*	39.513	N	74.191	E	33	N	4.1		1.0	8	SOUTHERN XINJIANG, CHINA
a	16	08	04	29.5*	4.612	N	32.651	W	10	G	4.9	4.7	1.3	34	CENTRAL MID-ATLANTIC RIDGE
	16	08	07	11.4?	38.71	N	19.73	E	10	G			0.8	5	IONIAN SEA. MD 3.2 (ATH).
	16	08	32	56.0	38.640	N	102.524	E	66	*	4.3		1.3	17	GANSU PROVINCE, CHINA
a	16	08	35	03.2	4.462	N	32.573	W	10	G	5.4	4.9	0.9	93	CENTRAL MID-ATLANTIC RIDGE
	16	08	43	04.1	22.000	S	169.914	E	33	N	5.2	5.1	1.5	71	LOYALTY ISLANDS REGION
	16	08	51	11.7	39.199	N	23.687	E	10	G			1.3	9	AEGEAN SEA. ML 2.6 (THE).
	16	09	19	26.1*	23.056	S	114.850	W	10	G		4.6	1.0	17	EASTER ISLAND REGION
	16	09	29	16.7?	4.94	N	32.41	W	10	G	4.9		1.4	6	CENTRAL MID-ATLANTIC RIDGE
	16	09	46	01.8	39.105	N	27.619	E	10	G			0.5	6	TURKEY
	16	10	33	05.5	34.229	N	33.798	E	29	*			0.3	8	CYPRUS
a	16	10	51	16.5	4.630	N	32.664	W	10	G	5.4	5.4	1.1	214	CENTRAL MID-ATLANTIC RIDGE. Ms 5.6 (BRK).
	16	11	05	29.3*	31.582	S	177.735	W	33	N	4.8	4.8	1.4	17	KERMADEC ISLANDS REGION
	16	11	49	38.6	25.137	N	95.846	E	33	N	4.7	4.2	1.3	53	BURMA-INDIA BORDER REGION
	16	12	28	41.9?	46.33	N	12.66	E	10	G			1.2	5	NORTHERN ITALY. ML 1.7 (KBA).
	16	13	13	49.6?	5.93	S	107.81	E	33	N	4.8		1.1	19	JAVA
	16	13	15	32.8%	42.585	N	18.992	E	10	G			0.4	8	YUGOSLAVIA. MD 2.0 (TTG)
	16	13	22	37.5	42.639	N	18.965	E	10	G			0.8	23	YUGOSLAVIA. MD 3.0 (TTG).
	16	14	38	22.0%	15.503	N	60.885	W	33	N			1.5	9	LEEWARD ISLANDS. ML 2.8 (FDF).
	16	14	53	03.5*	34.991	N	140.709	E	33	N	4.7		1.3	12	NEAR EAST COAST OF HONSHU, JAPAN Felt (I JMA) at Utsunomiya.
	16	14	57	15.5*	0.757	N	120.994	E	33	N	4.8		0.5	14	MINAHASSA PENINSULA
	16	15	08	12.8*	4.140	S	142.510	E	66	*	4.5		0.9	20	PAPUA NEW GUINEA
	16	15	35	55.1&	48.421	N	122.225	W	0					21	WASHINGTON. <SEA>. CL 2.7 (SEA).
	16	15	48	08.3&	60.091	N	153.605	W	159					13	SOUTHERN ALASKA. <AGS-P>.
	16	16	18	57.5?	23.23	S	178.12	W	348	?	4.5		0.4	8	SOUTH OF FIJI ISLANDS
	16	18	25	52.2	29.872	N	99.270	E	35	*	5.1		1.3	32	SICHUAN PROVINCE, CHINA
	16	18	33	35.0%	42.300	N	19.877	E	10	G			0.4	6	YUGOSLAVIA. MD 2.5 (TTG)
	16	19	46	11.5%	39.360	N	16.977	E	10	G			1.5	6	SOUTHERN ITALY
a	16	19	48	14.6	21.039	S	178.942	W	610	D	5.7		1.2	338	FIJI ISLANDS REGION. mb 5.4 (BRK).
	16	19	51	01.0	29.801	N	99.196	E	43	*	4.9		1.4	24	SICHUAN PROVINCE, CHINA
	16	22	17	12.9*	32.515	N	47.787	E	33	N	4.6		1.3	14	IRAN-IRAQ BORDER REGION
	16	23	33	37.6*	41.201	N	20.048	E	10	G			0.9	5	ALBANIA. ML 2.7 (SKO).
	17	01	59	52.3	39.316	N	23.460	E	10	G			1.4	12	AEGEAN SEA
	17	02	59	07.9	29.865	N	99.049	E	25	*	4.9		1.0	37	SICHUAN PROVINCE, CHINA
	17	03	49	37.5*	28.764	S	123.728	E	10	G			1.2	6	WESTERN AUSTRALIA
	17	04	29	36.6	35.582	N	140.249	E	78	*			0.4	11	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Yokohama and Ajiro.
	17	04	29	43.8?	18.00	N	65.71	W	33	N			1.1	5	PUERTO RICO REGION
a	17	04	55	26.7*	30.644	S	71.683	W	44	*	4.9	4.8	1.4	48	NEAR COAST OF CENTRAL CHILE
	17	05	00	38.2?	31.03	S	71.51	W	33	N			1.3	8	NEAR COAST OF CENTRAL CHILE
	17	05	47	26.6	45.252	N	7.511	E	10	G			1.0	57	NORTHERN ITALY. ML 3.5 (LDG). MD 3.1 (STR).
	17	06	29	53.9*	44.390	N	141.467	E	33	N	4.7		0.6	10	HOKKAIDO, JAPAN REGION
	17	06	33	16.2?	6.24	S	151.06	E	33	N	4.4		1.6	9	NEW BRITAIN REGION
	17	06	33	47.7*	36.343	N	27.684	E	99	?			0.9	7	DODECANESE ISLANDS
	17	08	19	54.3&	59.806	N	153.724	W	141					11	SOUTHERN ALASKA. <AGS-P>.
	17	08	56	17.0*	39.089	N	27.612	E	10	G			0.2	5	TURKEY
	17	09	11	36.6%	37.397	N	2.297	W	10	G			0.1	6	SPAIN. MG 2.9 (MDD).
	17	09	26	53.3?	32.94	S	72.03	W	33	N			0.5	8	OFF COAST OF CENTRAL CHILE
	17	09	34	31.5*	11.349	S	119.208	E	33	N	4.2		1.4	14	SOUTH OF SUMBA ISLAND
	17	09	52	23.1	32.345	S	70.081	W	33	N			1.1	12	CHILE-ARGENTINA BORDER REGION
	17	11	15	52.4	6.932	S	129.426	E	78		5.0		1.2	48	BANDA SEA
	17	12	17	02.0%	39.303	N	16.891	E	10	G			1.1	6	SOUTHERN ITALY
	17	12	57	13.0%	11.459	N	61.479	W	10	G			1.4	6	WINDWARD ISLANDS. MD 3.3 (TRN).
	17	13	05	14.9	37.995	S	175.742	E	293		5.0		1.4	46	NORTH ISLAND, NEW ZEALAND
	17	13	34	26.2?	18.04	N	65.69	W	33	N			1.3	6	PUERTO RICO REGION
	17	13	59	16.7*	32.818	N	130.639	E	10	G			0.7	5	KYUSHU, JAPAN. MG 2.9 (JMA). Felt (I JMA) at Kumamata.
	17	14	20	31.1	8.179	S	112.924	E	113	?	5.1		1.1	64	JAVA

	17	14	24	03.6?	31.90	S	178.00	W	33	N		1.4	14	KERMADEC ISLANDS REGION
	17	15	36	48.2	40.517	N	29.363	E	10	G		0.4	8	TURKEY
	17	15	39	46.4&	60.055	N	152.836	W	104		4.6		68	SOUTHERN ALASKA. <AGS-P>.
	17	16	24	33.2&	38.778	N	122.775	W	5				18	NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=4.6*10**14 Nm (BRK). Felt at St. Helena.
	17	16	30	54.3?	23.69	N	122.36	E	33	N	4.3	1.5	9	TAIWAN REGION. Felt on eastern Taiwan.
	17	17	08	37.2	3.768	S	138.071	E	86	*	4.7	0.9	23	WEST IRIAN
	17	17	32	16.3*	2.881	S	138.924	E	59	?	5.1	1.3	32	WEST IRIAN
	17	19	28	53.1*	9.614	S	122.629	E	33	N	4.5	1.4	13	SAVU SEA
	17	19	52	59.9&	35.200	N	120.900	W	5				12	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	17	19	53	54.6	23.417	N	123.407	E	24	*	4.5	1.0	48	SOUTHWESTERN RYUKYU ISLANDS
	17	20	14	57.4?	18.01	N	65.71	W	33	N		1.0	5	PUERTO RICO REGION
	17	21	01	55.5%	40.267	N	29.215	E	10	G		0.9	8	TURKEY
	17	21	28	15.5	18.254	N	119.244	E	52	*	4.7	0.6	37	PHILIPPINE ISLANDS REGION
	17	23	05	12.2	29.779	N	99.113	E	33	N	4.5	0.9	12	SICHUAN PROVINCE, CHINA
	18	00	01	36.3	33.718	N	133.462	E	10	G		1.4	10	SHIKOKU, JAPAN. MG 3.8 (JMA). Felt (I JMA) at Kochi.
	18	00	47	58.1	39.296	N	23.600	E	10	G	3.9	1.3	69	AEGEAN SEA. ML 3.7 (ATH).
	18	00	50	59.3*	39.261	N	23.532	E	10	G		1.5	7	AEGEAN SEA. ML 3.0 (ATH).
	18	01	20	56.3*	6.336	S	154.072	E	54	?		1.6	6	SOLOMON ISLANDS
	18	01	25	11.1&	60.066	N	152.774	W	98				60	SOUTHERN ALASKA. <AGS-P>.
	18	01	35	17.7?	30.67	S	71.92	W	33	N		0.6	11	NEAR COAST OF CENTRAL CHILE
a	18	02	01	27.1	21.538	S	178.955	W	580		5.2	0.9	216	FIJI ISLANDS REGION
	18	02	41	59.4*	52.607	N	169.152	W	33	N	4.6	0.7	19	FOX ISLANDS, ALEUTIAN ISLANDS
	18	03	04	20.4	28.914	N	95.764	E	33	N	4.5	0.8	19	INDIA-CHINA BORDER REGION
	18	03	53	23.9	39.305	N	23.608	E	10	G		1.1	8	AEGEAN SEA. ML 2.8 (ATH).
	18	04	21	58.4*	21.848	S	70.492	W	52	*	4.4	1.1	14	NEAR COAST OF NORTHERN CHILE
	18	06	59	50.2&	38.793	N	122.772	W	4				14	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
	18	07	58	11.0*	9.788	S	127.882	E	250	*	4.6	0.9	9	TIMOR SEA
	18	08	20	16.4	31.635	N	104.118	E	33	N	4.3	0.9	14	SICHUAN PROVINCE, CHINA
	18	08	33	51.7%	60.717	N	5.544	E	10	G		0.7	8	SOUTHERN NORWAY. MD 1.9 (BER).
	18	08	48	46.6	50.664	N	114.160	W	5	G		0.5	10	ALBERTA PROVINCE, CANADA
	18	09	14	34.3*	34.245	N	26.617	E	33	N		0.8	8	CRETE
	18	09	54	51.9	30.648	S	71.990	W	41	*	4.6	1.2	24	NEAR COAST OF CENTRAL CHILE
	18	10	45	47.6	34.669	N	110.925	W	5	G		0.8	17	EASTERN ARIZONA. ML 3.5 (NEIS).
	18	11	08	22.6*	30.666	S	71.520	W	33	N		1.4	10	NEAR COAST OF CENTRAL CHILE
	18	11	33	30.4%	60.901	N	4.844	E	10	G		0.6	5	SOUTHERN NORWAY. MD 1.5 (BER).
o	18	12	33	52.1	23.834	S	179.944	E	524	G	5.8	0.9	277	SOUTH OF FIJI ISLANDS. mb 5.9 (BRK). Depth from broadband displacement seismograms.
	18	12	56	45.8?	37.24	N	52.72	E	33	N		1.5	7	CASPIAN SEA
	18	14	45	11.1	39.266	N	23.599	E	10	G		1.1	33	AEGEAN SEA. ML 3.3 (ATH).
	18	15	33	21.0%	42.331	N	19.852	E	10	G		0.4	6	YUGOSLAVIA. MD 2.5 (TTG).
	18	17	02	20.8&	10.599	N	85.032	W	165				12	COSTA RICA. <HDC>. MD 4.1 (HDC).
	18	17	13	47.1*	52.119	N	175.560	E	69	*	4.0	0.8	10	RAT ISLANDS, ALEUTIAN ISLANDS
	18	17	14	12.1	39.293	N	23.545	E	10	G		0.6	7	AEGEAN SEA. ML 2.9 (ATH).
	18	18	15	35.7&	33.690	N	120.080	W	6	G			9	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	18	18	29	01.8?	18.33	N	62.03	W	10	G		0.4	6	LEEWARD ISLANDS. ML 2.9 (FDF).
	18	19	00	22.7	63.493	N	148.660	W	33	N		1.0	12	CENTRAL ALASKA. ML 3.8 (PMR). Felt (IV) at Cantwell.
	18	19	10	14.3?	29.52	S	178.81	W	227	?	4.7	1.4	22	KERMADEC ISLANDS
	18	19	28	25.8	58.294	N	6.769	E	10	G		0.9	7	SOUTHERN NORWAY. MD 2.0 (BER).
	18	19	28	46.8*	43.454	N	12.640	E	10	G		0.8	8	CENTRAL ITALY
	18	19	43	45.3?	9.55	S	129.80	E	284	?	4.5	0.6	7	TIMOR SEA
	18	21	28	15.3&	57.778	N	143.129	W	10	G			12	GULF OF ALASKA. <AGS-P>.
	18	21	46	30.2&	58.092	N	151.656	W	53	G			26	KODIAK ISLAND REGION. <AGS-P>.
	18	21	54	57.4&	58.095	N	151.657	W	53	G			21	KODIAK ISLAND REGION. <AGS-P>.
	18	22	02	11.9%	39.310	N	28.977	E	10	G		1 0	7	TURKEY
	18	22	12	38.3%	18.183	N	66.080	W	31	*		0.2	6	PUERTO RICO REGION
	18	22	33	26.8	51.552	N	16.042	E	10	G		0.9	20	POLAND. ML 4.0 (VKA), 3.8 (KBA).
	18	23	01	45.7	50.476	N	18.868	E	10	G		1.1	14	POLAND. ML 3.6 (KBA), 3.2 (VKA).
	18	23	18	04.7&	62.020	N	151.596	W	95				31	CENTRAL ALASKA. <AGS-P>.
f	19	00	08	19.6	31.310	S	177.815	W	11	G	5.6 5.9	1 1	191	KERMADEC ISLANDS REGION. Ms 6.2 (BRK). Mo=9.0*10**17 Nm (PPT). Depth from broadband displacement seismograms.
	19	03	12	55.0?	16.71	N	59.68	W	22			0 9	16	LEEWARD ISLANDS. ML 3.7 (FDF).
	19	03	32	45.6	39.648	N	28.958	E	10	G		1.5	8	TURKEY
	19	03	46	08.4*	36.247	N	27.090	E	10	G		0.8	6	DODECANESE ISLANDS
	19	03	59	16.3%	39.100	N	27.842	E	10	G		0.4	5	TURKEY
	19	05	55	20.3?	61.50	N	3.93	E	10	G		0.8	8	NORWEGIAN SEA. MD 2.3 (BER).
	19	06	01	58.1?	38.18	N	3.88	W	10	G		0.9	4	SPAIN. MG 2.7 (MDD).
a	19	07	03	59.3*	31.521	S	177.763	W	61	D	5.2	1.2	43	KERMADEC ISLANDS REGION
	19	07	30	46.9%	40.273	N	29.557	E	10	G		0.3	5	TURKEY
	19	07	32	23.1	36.469	N	73.415	E	45	*	4.9	1.1	32	NORTHWESTERN KASHMIR
	19	08	59	49.6	16.355	N	98.682	W	10	G	4.9	1.1	57	NEAR COAST OF GUERRERO, MEXICO
	19	11	13	41.4*	42.702	S	83.394	W	10	G	4.9	0.7	20	WEST CHILE RISE
	19	11	55	47.7%	39.117	N	27.614	E	10	G		0.5	5	TURKEY
	19	12	26	41.8	42.551	N	24.172	E	10	G		1.5	11	BULGARIA
	19	12	43	33.0?	13.46	N	90.74	W	48	?	4.7	1.5	26	NEAR COAST OF GUATEMALA
	19	13	09	25.2?	27.92	S	178.54	W	268	?	4.1	1.0	25	KERMADEC ISLANDS REGION
	19	13	25	36.2*	5.451	S	129.856	E	197	*	4.5	0.6	10	BANDA SEA
	19	13	27	13.9&	48.696	N	123.343	W	20				25	VANCOUVER ISLAND REGION. <PGC>. ML 2.9 (PGC). CL 2.9 (SEA). Felt on the Saanich Peninsula from Sidney to Victoria. Also felt on Salt Spring Island.
	19	13	35	07.6?	43.96	N	7.31	E	10	G		0.2	4	NEAR SOUTH COAST OF FRANCE. MD 1.0 (STR).
	19	13	41	37.3	36.414	N	5.550	W	10	G		1.1	6	STRAIT OF GIBRALTAR
a	19	14	48	56.7	17.858	N	105.228	W	10	G	5.1 5.4	1.2	77	OFF COAST OF JALISCO, MEXICO. Ms 5.7 (BRK).
	19	15	00	33.5*	17.643	N	105.077	W	10	G		1.3	12	OFF COAST OF JALISCO, MEXICO
	19	16	15	28.8*	17.659	N	105.270	W	10	G	4.2	1.0	12	OFF COAST OF JALISCO, MEXICO
	19	16	23	52.4	6.947	S	129.905	E	69	*	5.2	1.0	49	BANDA SEA
	19	16	38	22.5&	60.737	N	151.901	W	76				34	KENAI PENINSULA, ALASKA. <AGS-P>.
	19	16	40	28.3	30.133	N	90.046	E	33	N	4.5	1.1	21	TIBET
	19	17	30	56.9&	61.226	N	151.858	W	82				13	SOUTHERN ALASKA. <AGS-P>.
	19	19	06	15.0%	37.651	N	30.013	E	10	G		1.1	5	TURKEY
	19	19	30	36.8%	40.137	N	29.345	E	10	G		1.0	8	TURKEY
	19	19	49	34.6*	37.711	N	14.693	E	10	G		0.6	5	SICILY
	19	20	08	41.0&	59.692	N	153.084	W	99				22	SOUTHERN ALASKA. <AGS-P>.

	19	20 25 30.1	37.849	N	14.705	E	10	G			1.4	12	SICILY
	19	21 34 44.4	37.818	N	14.744	E	10	G			1.5	13	SICILY
	19	22 05 57.8*	44.707	N	147.685	E	33	N	4.6		1.3	18	KURIL ISLANDS
	19	22 39 28.7	37.257	N	115.096	W	3				0.3	55	SOUTHERN NEVADA. ML 3.5 (NEIS).
	19	23 40 33.0	42.602	N	18.959	E	10	G			0.9	6	YUGOSLAVIA. MD 2.0 (TTG).
	19	23 54 57.2?	7.18	N	73.81	W	129	?			1.2	7	NORTHERN COLOMBIA
	20	00 10 37.6*	46.862	N	152.900	E	33	N	4.8	4.3	0.9	31	KURIL ISLANDS
	20	00 37 24.1	42.350	N	19.999	E	10	G			0.5	10	YUGOSLAVIA. MD 2.4 (TTG).
	20	00 56 13.2?	32.36	S	72.05	W	33	N			0.6	8	OFF COAST OF CENTRAL CHILE
	20	01 07 02.5&	59.892	N	150.464	W	50					62	KENAI PENINSULA, ALASKA. <AGS-P>.
	20	02 16 05.9*	55.494	N	4.826	W	10	G			0.2	7	UNITED KINGDOM
	20	02 45 45.5?	44.19	N	150.01	E	33	N	4.2		1.5	6	KURIL ISLANDS REGION
	20	03 14 02.5*	22.708	N	121.691	E	33	N	4.0		1.4	11	TAIWAN REGION
	20	04 36 04.0%	15.355	N	60.777	W	10	G			0.6	6	LEEWARD ISLANDS. ML 2.5 (FDF).
	20	05 31 29.9?	44.32	N	149.84	E	33	N	4.2		1.6	6	KURIL ISLANDS
	20	06 13 53.2	13.328	N	90.757	W	65		4.8		1.2	74	NEAR COAST OF GUATEMALA
	20	06 35 55.3&	58.946	N	152.128	W	66					39	KODIAK ISLAND REGION. <AGS-P>.
	20	06 53 26.3?	35.95	N	70.32	E	33	N	3.8		0.8	8	HINDU KUSH REGION
a	20	06 53 33.0	2.968	N	126.400	E	94	*	4.9		1.2	76	MOLUCCA PASSAGE
	20	07 54 03.1	7.775	S	107.922	E	33	N	4.7		0.8	26	JAVA
a	20	08 08 51.0	9.259	S	79.033	W	63	G	5.8		1.0	299	OFF COAST OF NORTHERN PERU. Felt at Lima, Chimbote and Trujillo. Depth from broadband displacement seismograms.
	20	08 12 32.4*	39.899	N	29.817	W	10	G	4.5		0.9	30	AZORES ISLANDS
	20	08 42 03.4	40.001	N	29.869	W	10	G	4.9	4.7	1.2	96	AZORES ISLANDS REGION
	20	09 37 37.3?	44.48	N	128.74	W	10	G	4.0		0.9	20	OFF COAST OF OREGON
	20	09 48 21.3	44.281	N	7.492	E	10	G			0.5	10	NORTHERN ITALY
	20	10 40 33.4	34.784	N	140.866	E	62	*	4.7		0.7	22	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) an Oshima.
	20	11 14 49.9%	39.300	N	28.924	E	10	G			1.1	9	TURKEY
	20	11 16 50.7%	39.267	N	28.932	E	10	G			0.5	9	TURKEY
	20	11 28 09.1	28.858	N	139.185	E	470	*	4.5		0.9	36	BONIN ISLANDS REGION
	20	11 46 09.3	36.281	N	5.543	W	10	G			1.2	7	STRAIT OF GIBRALTAR
	20	12 11 39.7*	38.845	N	71.721	E	33	N	4.5		1.1	14	AFGHANISTAN-USSR BORDER REGION
	20	12 13 59.6?	7.00	N	76.21	W	34	?	4.2		1.5	13	NORTHERN COLOMBIA
	20	12 45 52.7	38.494	N	117.806	W	4		4.3		0.7	79	NEVADA. ML 4.2 (BRK). Felt (IV) at Mina, (III) at Luning and Manhattan.
	20	13 06 00.3?	46.22	S	75.63	W	33	N	4.9	4.9	1.6	15	NEAR COAST OF SOUTHERN CHILE
	20	13 59 39.8	37.793	N	2.557	W	10	G			1.2	11	SPAIN. MG 3.4 (MDD). Felt (III) in the Galera area.
	20	15 02 16.5*	45.712	S	75.560	W	10	G	5.5	5.3	1.6	56	OFF COAST OF SOUTHERN CHILE
	20	16 14 14.2?	20.07	N	144.42	E	33	N	4.6		0.8	12	MARIANA ISLANDS
	20	16 14 39.9?	9.93	S	124.04	E	33	N	4.5		1.5	7	TIMOR
	20	16 29 07.3&	59.776	N	153.180	W	104					30	SOUTHERN ALASKA. <AGS-P>.
	20	17 26 51.9	49.124	N	6.820	E	10	G			0.7	7	GERMANY. MD 1.5 (STR).
	20	18 47 40.2	35.769	N	21.757	E	10	G	4.4		1.3	72	MEDITERRANEAN SEA. ML 4.2 (ATH).
	20	19 57 12.3&	58.490	N	142.803	W	10	G				14	GULF OF ALASKA. <AGS-P>.
	20	20 31 00.4	11.974	N	142.942	E	33	N	5.1	4.2	0.8	84	SOUTH OF MARIANA ISLANDS
f	20	22 59 54.0	57.166	N	121.976	E	26	G	6.1	6.5	0.9	545	EASTERN USSR. Ms 6.3 (BRK), 5.9 (PAS). Felt (VI) at Khani, Oleksa and Yuktali; (V) at Ikabya, Kuvykta, Khatymi, Neryungri and Berkakit; (IV) at Yakutsk, Chita and Blagoveshchensk. Also felt strongly at Ust-Nyukzha. Depth from broadband displacement seismograms.
	20	23 26 46.5?	29.12	S	70.55	W	33	N			1.5	8	CENTRAL CHILE
	20	23 44 33.2&	37.258	N	121.677	W	4					17	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=1.4*10**14 Nm (BRK).
	21	00 24 17.2*	41.265	N	22.760	E	10	G			0.4	5	YUGOSLAVIA
	21	01 06 13.6?	21.04	S	68.45	W	133	?			1.4	6	CHILE-BOLIVIA BORDER REGION
	21	01 33 46.5*	11.135	N	62.132	W	33	N			0.9	8	WINDWARD ISLANDS. MD 3.6 (TRN).
	21	03 01 48.1?	7.42	S	128.49	E	146	?	4.9		0.4	7	BANDA SEA
	21	04 17 05.1?	0.13	N	123.44	E	198	?	4.7		0.7	10	MINAHASSA PENINSULA
	21	05 35 33.4*	10.189	S	161.377	E	101	*	4.7		1.0	11	SOLOMON ISLANDS
	21	07 29 36.4?	41.29	N	22.77	E	10	G			0.1	4	YUGOSLAVIA. ML 1.4 (SKO).
	21	08 16 06.5	36.495	N	26.755	E	157	*			1.0	13	DODECANESE ISLANDS
	21	0B 38 20.5*	27.949	N	64.271	E	33	N	4.4		0.9	9	PAKISTAN
	21	09 40 43.7&	47.392	N	122.056	W	5					48	WASHINGTON. <SEA>. CL 2.8 (SEA). Felt at Covington.
	21	09 55 32.3%	38.613	N	27.947	E	10	G			0.5	6	TURKEY
	21	12 10 44.5	38.389	N	22.129	E	10	G	4.2		1.5	51	GREECE. ML 3.5 (ATH).
	21	12 17 35.5	42.752	N	13.334	E	10				0.6	13	CENTRAL ITALY
	21	12 46 29.7*	21.652	N	95.494	E	59	?	4.7		0.6	7	BURMA
	21	13 34 35.3%	59.046	N	5.966	E	10	G			0.2	6	SOUTHERN NORWAY. MD 2.0 (BER).
	21	13 51 37.7	37.397	N	23.554	E	21	*			1.2	12	SOUTHERN GREECE. ML 3.3 (ATH).
	21	14 06 27.0	39.386	N	26.417	E	10	G			0.9	8	TURKEY. MD 3.5 (ATH).
	21	15 10 06.1	42.341	N	19.870	E	7				0.7	15	YUGOSLAVIA. MD 2.9 (TTG).
	21	16 15 04.7*	42.931	N	19.454	E	10	G			0.6	5	YUGOSLAVIA. MD 2.1 (TTG).
	21	18 39 11.3*	18.311	N	100.829	W	33	N			0.6	8	GUERRERO, MEXICO
	21	19 08 41.0	57.168	N	123.768	E	33	N	4.8		0.8	39	EASTERN USSR
	21	19 28 51.6	40.519	N	15.789	E	10	G			1.5	13	SOUTHERN ITALY
	21	19 43 59.8%	40.524	N	15.880	E	10	G			1.0	5	SOUTHERN ITALY
	21	20 34 28.3	16.366	N	122.198	E	61	*	4.7		0.9	40	LUZON, PHILIPPINE ISLANDS
a	21	20 36 04.2	13.302	N	144.381	E	115		5.2		0.9	112	MARIANA ISLANDS. Felt (III) an Guam.
	21	21 02 46.9%	37.762	N	29.172	E	10	G			0.9	5	TURKEY
	21	22 06 27.7%	40.524	N	15.856	E	10	G			1.1	5	SOUTHERN ITALY
	21	22 20 21.0*	37.537	N	20.621	E	10	G			0.7	13	IONIAN SEA. ML 3.4 (ATH).
	21	23 16 30.4*	36.439	N	71.253	E	87	?	4.1		1.4	12	AFGHANISTAN-USSR BORDER REGION
	22	00 51 10.0*	51.079	N	178.578	W	33	N	5.2		1.2	16	ANDREANOF ISLANDS, ALEUTIAN IS.
	22	04 06 39.4?	44.56	N	7.28	E	10	G			0.1	4	NORTHERN ITALY. ML 2.2 (GEN).
a	22	04 48 30.8*	35.576	S	102.935	W	10	G	5.0	4.8	1.2	57	SOUTHERN PACIFIC OCEAN
	22	06 15 17.3*	0.997	S	123.202	E	33	N	4.5		0.2	6	MINAHASSA PENINSULA
	22	06 19 37.1	8.966	S	115.512	E	33	N	4.7		0.6	16	BALI ISLAND REGION
	22	07 15 56.9?	17.83	N	65.67	W	10	G			0.1	5	PUERTO RICO REGION
	22	07 44 41.6?	24.94	N	123.94	E	109	?	4.5		0.9	7	SOUTHWESTERN RYUKYU ISLANDS
	22	08 03 25.1	40.513	N	23.526	E	10	G			0.7	8	GREECE
	22	10 58 19.6	40.945	N	20.551	E	10	G			0.9	9	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).

	22	11	50	39.2	21.293	S	179.193	W	614		4.9	0.9	79	FIJI ISLANDS REGION
	22	12	05	28.1%	39.254	N	27.733	E	10	G		0.7	5	TURKEY
	22	12	12	52.5%	39.124	N	27.578	E	10	G		0.5	5	TURKEY
	22	12	18	09.8	44.624	N	7.039	E	10	G		0.5	22	NORTHERN ITALY. ML 2.6 (LDG), 2.4 (GEN).
	22	12	19	56.3?	44.60	N	7.00	E	10	G		0.3	4	FRANCE. ML 2.0 (GEN).
	22	12	31	58.7	1.177	S	136.925	E	33	N	5.2 4.0	1.0	22	WEST IRIAN REGION
	22	12	59	15.9?	34.41	N	134.82	E	10	G		0.8	4	NEAR S. COAST OF SOUTHERN HONSHU. MG 3.4 (JMA). Felt (I JMA) at Sumoto.
	22	13	21	29.2?	38.82	N	23.74	E	10	G		0.4	11	GREECE. MD 3.3 (ATH).
	22	13	55	49.7*	24.172	N	125.239	E	33	N	4.2	0.2	5	SOUTHWESTERN RYUKYU ISLANDS. Felt (I JMA) on Miyako-jimo.
	22	14	17	39.8*	17.302	N	94.925	E	33	N		1.3	5	BURMA
	22	14	53	20.3*	13.246	N	144.738	E	56	*	4.9	1.1	18	MARIANA ISLANDS. Felt (III) on Guam.
	22	15	15	45.7	38.153	N	117.811	W	8			0.5	34	NEVADA. ML 3.2 (NEIS).
	22	15	23	13.3	38.145	N	117.818	W	9			0.5	34	NEVADA. ML 2.9 (NEIS).
	22	15	56	25.8	36.068	N	1.582	W	10	G		1.2	21	WESTERN MEDITERRANEAN SEA. MG 3.5 (MDD).
	22	17	37	16.0	26.654	N	96.827	E	33	N	4.4	1.0	23	BURMA
	22	18	48	27.6?	61.61	N	3.34	E	10	G		1.3	11	NORWEGIAN SEA. MD 2.6 (BER).
	22	19	25	50.8*	44.410	N	6.469	E	10	G		0.3	10	FRANCE
	22	19	29	59.1?	9.19	N	125.55	E	41	?		1.4	7	MINDANAO, PHILIPPINE ISLANDS
	22	19	50	00.5	39.281	N	29.006	E	10	G		1.0	16	TURKEY
	22	19	50	45.5	29.618	N	141.357	E	33	N	4.5	1.1	29	SOUTH OF HONSHU, JAPAN
	22	20	02	30.6?	42.79	N	18.53	E	10	G		1.2	4	YUGOSLAVIA. MD 2.0 (TTG).
	22	21	22	27.9%	37.956	N	14.135	E	10	G		0.9	9	SICILY
	22	22	17	43.3	39.218	N	23.583	E	10	G		0.5	18	AEGEAN SEA. ML 3.0 (ATH).
	22	23	04	08.3	39.206	N	23.589	E	11			0.9	31	AEGEAN SEA. ML 3.2 (ATH).
	22	23	11	47.7%	38.484	N	15.387	E	150	?		1.1	10	SICILY
	22	23	21	46.5%	39.287	N	28.970	E	10	G		0.7	7	TURKEY
	22	23	33	46.7?	38.89	N	18.12	E	10	G		1.3	6	IONIAN SEA. ML 3.1 (ATH).
	22	23	56	54.9%	39.219	N	28.845	E	10	G		0.4	5	TURKEY
	23	00	18	02.1%	39.304	N	29.024	E	10	G		1.2	11	TURKEY
	23	00	35	50.8	21.199	N	119.558	E	33	N	4.1	1.1	24	TAIWAN REGION
	23	01	51	00.1?	37.72	N	15.01	E	10	G		0.1	4	SICILY
	23	02	25	05.3	39.224	N	23.648	E	10	G	4.1	1.2	73	AEGEAN SEA. ML 4.1 (ATH).
	23	03	00	03.4	40.325	S	175.997	E	42		5.1	1.1	29	NORTH ISLAND, NEW ZEALAND
	23	03	25	32.0*	31.739	S	67.629	W	10	G		1.3	6	SAN JUAN PROVINCE, ARGENTINA
	23	03	51	57.2*	39.052	N	72.655	E	33	N	4.5	1.3	14	KIRGHIZ SSR
	23	04	45	29.7	63.271	N	150.655	W	33	N		0.8	8	CENTRAL ALASKA. ML 3.3 (PMR).
	23	05	13	52.9	35.921	N	140.250	E	78		4.3	0.8	18	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito, Tokyo and Utsunomiyo.
	23	05	46	41.0?	16.66	S	173.79	W	33	N	4.6	1.1	8	TONGA ISLANDS
	23	06	10	25.3	39.327	N	73.214	E	33	N	4.6	1.2	26	TAJIK-XINJIANG BORDER REGION
	23	06	45	55.1*	37.545	S	176.255	E	277		4.4	1.1	20	NORTH ISLAND, NEW ZEALAND
	23	06	47	27.6*	39.613	N	22.792	E	10	G		0.6	8	GREECE
	23	07	08	22.0?	23.81	N	93.70	E	33	N		0.5	7	BURMA-INDIA BORDER REGION
	23	07	44	06.2?	42.16	N	22.69	E	10	G		0.7	6	BULGARIA. ML 1.8 (SKO).
	23	07	50	30.4	14.826	S	166.692	E	61	*	5.0	1.1	98	VANUATU ISLANDS
	23	07	55	02.4%	36.081	N	1.657	W	10	G		0.6	6	WESTERN MEDITERRANEAN SEA. MG 3.1 (MDD).
	23	08	27	49.4*	58.730	S	25.261	W	33	N	5.2	0.8	17	SOUTH SANDWICH ISLANDS REGION
	23	08	45	28.7?	17.35	N	61.10	W	10	G		0.5	5	LEEWARD ISLANDS. ML 3.1 (FDF).
	23	08	47	06.5*	5.611	S	151.149	E	10	G	4.0	1.1	6	NEW BRITAIN REGION
	23	08	50	34.0*	44.197	N	17.772	E	10	G		1.2	12	YUGOSLAVIA. ML 2.7 (TTG).
	23	10	51	51.0?	31.98	S	71.71	W	33	N		0.3	5	NEAR COAST OF CENTRAL CHILE
	23	11	49	14.3%	16.944	N	61.637	W	33	N		0.5	5	LEEWARD ISLANDS. ML 2.6 (FDF).
	23	12	18	05.1&	59.740	N	152.829	W	90				48	SOUTHERN ALASKA. <AGS-P>.
	23	12	54	05.5?	17.92	N	65.75	W	10	G		0.3	4	PUERTO RICO REGION
	23	13	03	10.9	36.183	N	139.132	E	73	*		0.4	9	HONSHU, JAPAN
	23	13	47	21.9*	16.570	S	172.250	W	33	D	5.0 5.0	1.2	48	SAMOA ISLANDS REGION
	23	13	55	12.5	8.914	S	117.970	E	118	*	4.2	1.4	20	SUMBAWA ISLAND REGION
	23	13	56	53.4%	38.964	N	27.172	E	10	G		1.3	6	TURKEY
	23	14	17	04.8?	18.26	N	61.26	W	10	G		0.7	6	LEEWARD ISLANDS. ML 3.7 (FDF).
	23	14	23	49.7%	39.106	N	27.572	E	10	G		0.3	5	TURKEY
	23	15	17	15.9?	6.10	S	135.24	E	33	N	4.3	1.3	6	AROE ISLANDS REGION
a	23	15	22	34.1	44.958	N	150.238	E	89	D	4.9	0.9	129	KURIL ISLANDS REGION
	23	15	41	45.0*	44.060	N	7.316	E	10	G		0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
	23	16	17	22.3&	61.256	N	151.839	W	86				46	SOUTHERN ALASKA. <AGS-P>.
	23	16	35	27.6*	3.373	S	139.769	E	97	*	4.4	1.0	18	WEST IRIAN
	23	17	18	04.3	2.690	S	141.482	E	18	*	4.2	1.1	21	NEAR N COAST OF PAPUA NEW GUINEA
	23	17	56	14.8*	14.012	N	93.220	E	33	N	4.2	0.3	7	ANDAMAN ISLANDS REGION
	23	18	11	32.8*	40.515	N	24.293	E	10	G		1.3	7	AEGEAN SEA
	23	19	11	27.3*	66.946	N	156.186	W	5	G		1.2	11	ALASKA. ML 4.0 (PMR).
	23	19	20	35.5?	66.89	N	156.28	W	5	G		0.9	4	ALASKA. Small precursor.
a	23	19	21	06.4	66.960	N	156.289	W	6	G	5.7 5.1	0.9	330	ALASKA. ML 5.3 (PMR). Ms 4.8 (BRK). Felt (IV) at Ambler and Kobuk. Felt (III) at Huslia. Depth from broadband displacement seismograms.
	23	19	51	24.3	39.230	N	23.676	E	10		3.7	1.1	54	AEGEAN SEA. ML 3.4 (ATH).
	23	20	13	28.5*	66.980	N	156.236	W	5	G		1.2	11	ALASKA. ML 3.3 (PMR).
	23	21	31	19.4	66.946	N	156.296	W	5	G		0.5	10	ALASKA. ML 3.9 (PMR).
	23	21	35	34.2	6.538	S	105.826	E	75	*	5.1	1.1	59	SUNDA STRAIT
	23	22	14	47.6%	39.305	N	29.013	E	10	G		0.4	6	TURKEY
	23	22	17	50.0	39.319	N	29.022	E	9			1.1	12	TURKEY
	23	22	19	12.3*	66.900	N	156.293	W	5	G		0.9	8	ALASKA. ML 3.1 (PMR).
	23	22	31	24.1?	33.46	S	70.90	W	33	N		1.0	4	CHILE-ARGENTINA BORDER REGION
	23	23	32	20.6	41.764	N	12.684	E	17			1.1	31	SOUTHERN ITALY. ML 3.4 (KBA).
	23	23	44	36.6*	2.101	S	128.465	E	61	?	4.3	0.6	8	CERAM SEA
	23	23	47	27.3	66.970	N	156.350	W	5	G		0.7	11	ALASKA. ML 3.7 (PMR).
	23	23	56	19.4	41.966	N	23.509	E	7			0.8	23	GREECE-BULGARIA BORDER REGION. ML 2.5 (SKO).
	24	00	50	40.9*	66.989	N	156.390	W	5	G		1.3	11	ALASKA. ML 3.8 (PMR).
	24	01	09	45.2	66.905	N	156.331	W	5	G		0.3	7	ALASKA. ML 3.3 (PMR).
	24	01	30	41.9	28.795	N	129.569	E	33		4.9	0.8	24	RYUKYU ISLANDS. Felt (II JMA) at Naze.
	24	01	34	01.2	57.317	N	121.904	E	33	N	4.8 4.4	0.9	43	EASTERN USSR
	24	01	35	31.1&	59.528	N	152.804	W	85		4.6		94	SOUTHERN ALASKA. <AGS-P>. Felt (IV) at Homer and Ninilchik. Felt (III) at Anchorage and Port Graham.

	24	02 01 44.9*	35.612	N	139.573	E	10	G			0.8	5	NEAR S. COAST OF HONSHU, JAPAN
	24	02 04 14.3&	62.292	N	151.231	W	83					28	CENTRAL ALASKA. <AGS-P>.
	24	02 28 13.0&	59.660	N	153.092	W	101					31	SOUTHERN ALASKA. <AGS-P>.
	24	03 07 17.5*	17.668	N	105.222	W	33	N	4.2		1.5	19	OFF COAST OF JALISCO, MEXICO
	24	03 57 22.9*	66.870	N	156.390	W	5	G			1.1	7	ALASKA. ML 3.3 (PMR).
	24	04 12 55.4*	17.445	N	61.991	W	31	*			0.3	8	LEEWARD ISLANDS. ML 2.7 (FDF). MD 2.8 (TRN).
	24	04 13 35.3?	17.51	N	61.96	W	33	N			0.5	5	LEEWARD ISLANDS. ML 2.7 (FDF). MD 2.9 (TRN).
	24	04 15 01.3*	66.917	N	156.306	W	5	G			0.3	6	ALASKA. ML 3.0 (PMR).
	24	05 32 07.3&	60.032	N	152.926	W	107					26	SOUTHERN ALASKA. <AGS-P>.
	24	08 47 41.6	66.919	N	156.268	W	5	G			0.7	10	ALASKA. ML 4.3 (PMR).
	24	09 07 05.4	39.228	N	23.555	E	10	G			0.4	18	AEGEAN SEA. ML 3.1 (ATH).
	24	09 18 04.5	66.919	N	156.347	W	5	G			0.4	8	ALASKA. ML 3.8 (PMR).
	24	11 49 07.2%	39.160	N	27.564	E	10	G			1.0	5	TURKEY
	24	12 11 18.1%	40.362	N	20.498	E	10	G			1.5	5	GREECE-ALBANIA BORDER REGION
	24	12 15 14.3?	1.21	N	98.91	E	107	?	4.9		1.1	10	NORTHERN SUMATERA
	24	12 32 59.8&	62.478	N	151.222	W	87					25	CENTRAL ALASKA. <AGS-P>.
	24	12 50 51.1	43.459	N	5.454	E	10	G			0.6	14	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	24	13 00 28.2?	50.56	N	6.31	E	10	G			0.2	4	GERMANY. MD 1.8 (UCC).
	24	13 13 05.6*	4.067	N	126.869	E	66	?	4.6		0.8	13	TALAUD ISLANDS
	24	13 24 19.7%	41.223	N	28.984	E	10	G			1.0	7	TURKEY
	24	13 33 38.5*	66.929	N	156.310	W	5	G			0.3	6	ALASKA. ML 3.4 (PMR).
	24	13 38 15.7*	66.950	N	156.321	W	5	G			0.5	7	ALASKA. ML 4.1 (PMR).
	24	13 47 17.1*	66.861	N	156.331	W	5	G			0.5	6	ALASKA. ML 3.2 (PMR).
	24	13 51 40.6?	16.27	N	99.68	W	33	N	3.8		1.6	8	NEAR COAST OF GUERRERO, MEXICO. Felt at Acapulco.
	24	14 06 48.3*	7.222	S	129.979	E	100	*	4.7		1.3	15	BANDA SEA
	24	14 26 36.0	43.392	N	5.448	E	10	G			0.6	12	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	24	14 30 30.0&	59.945	N	153.412	W	130					10	SOUTHERN ALASKA. <AGS-P>.
	24	14 58 02.6&	59.892	N	152.292	W	79					41	SOUTHERN ALASKA. <AGS-P>.
	24	15 10 03.3?	42.47	N	19.87	E	10	G			0.6	7	YUGOSLAVIA. MG 2.0 (TIR).
	24	15 25 13.2	43.126	N	13.216	E	10	G			0.2	6	CENTRAL ITALY
	24	15 51 33.5*	66.877	N	156.331	W	5	G			0.5	6	ALASKA. ML 3.8 (PMR).
	24	16 29 36.9*	36.732	N	71.619	E	54	?	4.5		0.9	12	AFGHANISTAN-USSR BORDER REGION
	24	16 32 45.8*	8.940	S	123.843	E	33	N	4.1		1.4	12	FLORES ISLAND REGION
	24	16 49 54.8	43.127	N	13.197	E	10	G			0.7	6	CENTRAL ITALY
	24	16 59 48.4	33.916	N	87.896	E	33	N	4.4		1.0	17	TIBET
	24	17 04 18.9&	61.308	N	151.910	W	95					14	SOUTHERN ALASKA. <AGS-P>.
	24	17 12 29.2?	16.69	S	174.73	W	33	N	4.8	4.2	0.9	13	TONGA ISLANDS
	24	17 45 16.5*	46.469	N	13.597	E	10	G			1.7	5	AUSTRIA. ML 1.9 (KBA).
	24	18 04 19.6	6.335	S	130.174	E	172		5.0		1.2	43	BANDA SEA
	24	18 11 41.4*	24.520	N	95.002	E	99	?	4.7		1.3	14	BURMA
	24	19 02 01.8*	36.018	N	28.063	E	114	?			1.0	7	DODECANESE ISLANDS
	24	19 19 26.5&	59.588	N	152.839	W	100					28	SOUTHERN ALASKA. <AGS-P>.
	24	20 08 04.5&	59.988	N	153.166	W	122					26	SOUTHERN ALASKA. <AGS-P>.
a	24	20 32 55.8	17.484	S	167.835	E	28	*	5.1		1.2	45	VANUATU ISLANDS
a	24	20 41 11.5	17.398	S	167.826	E	34	D	5.3	5.5	1.2	148	VANUATU ISLANDS. Ms 5.7 (BRK).
	24	22 04 23.7*	66.828	N	156.191	W	5	G			0.6	5	ALASKA. ML 3.3 (PMR).
	24	22 06 09.2*	66.858	N	156.251	W	5	G			1.1	6	ALASKA. ML 3.4 (PMR).
	24	22 20 59.3%	40.360	N	20.550	E	10	G			1.1	6	GREECE-ALBANIA BORDER REGION
	24	22 23 00.8%	37.707	N	14.691	E	10	G			0.5	5	SICILY
	24	22 32 14.5%	42.540	N	18.648	E	10	G			0.6	6	YUGOSLAVIA. MD 2.3 (TTG).
	24	22 50 33.8?	32.12	S	72.50	W	33	N			0.6	9	OFF COAST OF CENTRAL CHILE
	24	22 51 37.6%	37.732	N	29.229	E	10	G			1.0	5	TURKEY
	24	23 45 59.8*	17.519	S	167.942	E	42		4.3		1.0	25	VANUATU ISLANDS
	25	00 02 59.0	66.926	N	156.208	W	5	G	4.5		1.1	31	ALASKA. ML 4.9 (PMR).
	25	00 24 24.1&	36.753	N	121.590	W	2					12	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	25	00 27 47.6	26.280	N	67.678	E	33	N	4.3		1.0	16	PAKISTAN
a	25	00 31 38.6	25.499	S	179.653	E	497		5.0		0.9	85	SOUTH OF FIJI ISLANDS
	25	00 37 28.1*	30.087	N	130.041	E	71	?	4.4		1.3	14	KYUSHU, JAPAN
	25	00 51 46.0	40.587	N	17.525	E	10	G			1.5	8	SOUTHERN ITALY
	25	01 08 39.6%	38.028	N	14.126	E	10	G			0.8	15	SICILY
	25	01 35 25.4*	31.154	S	72.045	W	26	*			1.4	9	OFF COAST OF CENTRAL CHILE
	25	01 43 18.4?	30.87	S	71.01	W	10	G			1.3	5	NEAR COAST OF CENTRAL CHILE
	25	01 47 54.5?	33.42	S	71.83	W	23	*			1.2	8	NEAR COAST OF CENTRAL CHILE
	25	01 48 40.0*	66.850	N	156.318	W	5	G			0.5	6	ALASKA. ML 3.6 (PMR).
	25	02 12 47.5&	60.095	N	152.595	W	89					34	SOUTHERN ALASKA. <AGS-P>.
f	25	02 13 20.8	30.048	N	99.419	E	8	G	6.2	6.0	1.0	441	SICHUAN PROVINCE, CHINA. Considerable damage in Batang County. Depth from broadband displacement seismograms.
	25	03 00 26.9?	29.56	N	99.83	E	10	G	4.2		1.0	7	SICHUAN PROVINCE, CHINA
a	25	03 11 17.4	17.420	S	167.776	E	15	*	5.0	4.8	1.3	103	VANUATU ISLANDS
	25	03 13 53.0*	29.934	N	99.238	E	10	G	4.4		1.4	12	SICHUAN PROVINCE, CHINA
	25	03 23 31.6*	30.500	N	98.861	E	33	N	4.2		0.9	10	TIBET
	25	03 26 25.0*	9.025	S	109.692	W	10	G	5.0		1.2	37	NORTHERN EASTER I. CORDILLERA
	25	03 31 23.1*	30.363	N	98.993	E	34	*	4.3		1.0	11	TIBET
	25	03 44 41.9*	38.296	N	22.261	E	10	G			1.8	13	GREECE. ML 3.0 (ATH).
	25	03 57 51.8*	2.303	S	100.859	E	74	*	4.7		1.2	37	SOUTHERN SUMATERA
	25	05 00 13.0?	34.15	N	135.20	E	5	G			0.9	4	NEAR S. COAST OF SOUTHERN HONSHU. Felt (1 JMA) at Wakayama.
a	25	05 13 34.0	5.108	S	143.501	E	110	D	5.5		0.9	267	PAPUA NEW GUINEA
a	25	06 11 32.2	11.073	N	86.761	W	46	*	4.8	4.5	0.9	38	NEAR COAST OF NICARAGUA
	25	06 16 31.2	66.961	N	156.404	W	5	G			0.7	9	ALASKA. ML 4.1 (PMR).
	25	06 28 06.0%	40.182	N	23.962	E	10	G			0.4	7	GREECE
	25	06 55 08.6	39.305	N	23.619	E	10	G			1.3	22	AEGEAN SEA. ML 3.2 (ATH).
	25	07 21 03.4*	66.944	N	156.260	W	5	G	3.9		1.4	10	ALASKA. ML 4.5 (PMR).
	25	07 34 15.3	29.996	N	99.338	E	33	N	4.2		1.2	17	SICHUAN PROVINCE, CHINA
	25	07 54 07.4?	66.91	N	156.40	W	5	G			1.3	7	ALASKA. ML 3.8 (PMR).
	25	07 55 02.7%	43.963	N	10.445	E	10	G			0.9	9	CENTRAL ITALY. MD 2.8 (FIR).
	25	08 03 52.4*	17.453	S	167.665	E	10	G	4.5		1.1	8	VANUATU ISLANDS
	25	08 07 57.5*	10.669	N	62.767	W	10	G			1.4	15	NEAR COAST OF VENEZUELA
	25	08 14 57.3*	29.706	N	99.291	E	10	G			1.4	10	SICHUAN PROVINCE, CHINA
	25	08 54 10.2%	39.274	N	27.898	E	10	G			0.5	6	TURKEY
	25	08 56 07.0*	43.071	N	12.990	E	10	G			0.5	5	CENTRAL ITALY
	25	09 09 33.7*	5.530	S	150.954	E	93	?	4.3		0.7	6	NEW BRITAIN REGION
	25	09 10 51.6*	36.501	N	140.472	E	50	?			0.7	9	NEAR EAST COAST OF HONSHU, JAPAN. MG 3.6 (JMA). Felt

													(II JMA) at Mita.
	25	10	27	44.4	29.890	N	99.296	E	10	G		1.1	12	SICHUAN PROVINCE, CHINA
	25	10	33	02.5*	66.900	N	156.337	W	5	G		0.4	5	ALASKA. ML 3.5 (PMR).
	25	11	16	17.4%	33.626	S	71.741	W	18	*		0.4	8	NEAR COAST OF CENTRAL CHILE
	25	11	31	57.4	42.332	N	19.958	E	10	G		0.5	12	YUGOSLAVIA. MD 2.4 (TTG).
	25	11	44	17.5	42.986	N	13.701	E	10	G		0.7	7	CENTRAL ITALY
	25	13	42	59.9	66.902	N	156.331	W	10	G		0.2	5	ALASKA. MD 2.4 (TTG).
	25	13	43	12.3?	51.38	N	179.51	W	33	N	4.4	0.8	5	ANDREANOF ISLANDS, ALEUTIAN IS.
	25	13	52	36.5*	38.916	N	21.090	E	10	G		1.6	5	GREECE. MD 2.9 (ATH).
	25	13	55	02.9?	39.08	N	27.54	E	10	G		0.3	4	TURKEY
	25	14	16	04.1?	42.39	N	0.38	W	10	G		0.9	6	PYRENEES. ML 3.0 (LDG).
	25	14	18	12.3%	60.589	N	5.885	E	10	G		0.7	9	SOUTHERN NORWAY. MD 1.9 (BER).
f	25	14	29	00.5	16.773	N	99.328	W	19	G	6.2 6.8	1.2	380	NEAR COAST OF GUERRERO, MEXICO. Ms 7.1 (BRK), 6.5 (PAS). Mo=1.4*10**19 Nm (PPT). Three people killed, a few injured and some damage at Mexico City. Minar damage reported in the Acapulco area. Felt strongly in much of southern Mexica ond as far away as Guadalajara. Depth from broadband displacement seismograms.
	25	14	56	25.0	40.715	N	23.387	E	10	G		1.0	10	GREECE. ML 2.4 (SKO).
	25	15	12	48.4	29.803	N	99.171	E	10	G	4.5	1.3	15	SICHUAN PROVINCE, CHINA
	25	15	59	16.9*	66.908	N	156.180	W	5	G		0.9	7	ALASKA. ML 3.8 (PMR).
	25	16	26	43.9	16.411	N	99.302	W	22	D	4.8	1.2	44	NEAR COAST OF GUERRERO, MEXICO. Felt in the Acopulco-Mexica City area.
	25	16	42	19.6?	39.29	N	23.60	E	30	*		0.6	9	AEGEAN SEA
	25	16	42	58.6	30.053	N	99.461	E	10	G	4.7	1.3	31	SICHUAN PROVINCE, CHINA
	25	16	44	33.1	66.929	N	156.273	W	5	G		0.5	10	ALASKA. ML 3.9 (PMR).
	25	16	49	56.3%	44.619	N	7.045	E	10	G		0.2	5	NORTHERN ITALY. ML 2.2 (GEN).
	25	17	18	38.0	35.842	N	140.361	E	71		5.5	0.9	253	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Chiba, (II JMA) at Tokya and (I JMA) at Shizuoka.
	25	17	53	17.1?	66.94	N	156.28	W	5	G		0.7	5	ALASKA. ML 3.1 (PMR).
	25	18	26	52.0	30.049	N	99.306	E	10	G	4.5	1.2	15	SICHUAN PROVINCE, CHINA
	25	19	02	39.3?	66.93	N	156.34	W	5	G		0.3	5	ALASKA. ML 3.6 (PMR).
	25	19	19	23.2&	58.010	N	151.319	W	57				28	KODIAK ISLAND REGION. <AGS-P>.
	25	19	37	07.6	45.957	N	14.700	E	10	G		0.9	9	YUGOSLAVIA. MD 3.4 (LJU), 2.8 (TRI).
	25	20	45	16.8	36.884	N	140.811	E	102		4.6	1.0	59	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Onahama and Mito, (II JMA) at Utsunomiya and (I JMA) at Shirakawa.
	25	22	12	37.0	66.941	N	156.323	W	5	G	4.2	0.8	11	ALASKA. ML 4.2 (PMR).
	25	22	22	32.1	42.258	N	18.721	E	14			1.2	11	YUGOSLAVIA. MD 2.5 (TTG).
	25	23	10	12.5?	15.82	N	99.88	W	33	N	4.5	1.6	6	OFF COAST OF GUERRERO, MEXICO
	25	23	17	50.1%	33.472	S	70.470	W	83	?		0 3	9	CHILE-ARGENTINA BORDER REGION
	26	01	22	57.7*	66.898	N	156.363	W	5	G		0.2	5	ALASKA. ML 3.2 (PMR).
	26	03	30	27.1?	9.48	S	123.81	E	33	N	4.2	0.5	5	TIMOR
	26	03	31	21.6%	45.998	N	27.737	E	33	N		1.6	5	ROMANIA
	26	05	22	18.9&	37.263	N	121.682	W	4				11	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	26	06	12	07.9	39.290	N	23.311	E	9			1.2	31	AEGEAN SEA. ML 3.5 (ATH).
	26	06	47	19.5?	12.38	S	117.74	E	33	N	4.1	0.7	5	SOUTH OF SUMBAWA ISLAND
	26	08	23	18.3	42.288	N	12.821	E	10			1.0	10	CENTRAL ITALY
	26	08	46	58.1%	39.093	N	27.578	E	10	G		0.4	6	TURKEY
	26	09	06	49.4%	39.124	N	27.630	E	10	G		0.5	5	TURKEY
	26	09	16	44.7*	23.102	N	98.959	E	33	N		0.2	5	BURMA-CHINA BORDER REGION
	26	10	08	35.7?	39.17	N	23.57	E	10	G		0.4	7	AEGEAN SEA
	26	10	29	58.2*	37.675	N	20.647	E	10	G		0.7	5	IONIAN SEA. MD 3.3 (ATH).
	26	11	09	04.8%	39.249	N	27.680	E	10	G		0.7	6	TURKEY
	26	11	09	13.2?	14.67	N	93.32	W	49	*	4.5	1.1	20	NEAR COAST OF CHIAPAS, MEXICO
	26	12	19	41.0	44.622	N	7.047	E	10	G		0.3	21	NORTHERN ITALY. ML 2.8 (LDG), 2.3 (GEN).
	26	12	28	14.1	41.236	N	20.892	E	11		3.9	1.0	55	ALBANIA. ML 3.7 (TTG), 3.7 (ATH). Felt (V) at Kicevo and Resen, Yugoslavia.
	26	13	40	35.1*	27.850	N	85.229	E	33	*		1.5	8	NEPAL
	26	13	44	29.0	0.200	N	122.119	E	211		5.0	1.0	80	MINAHASSA PENINSULA
	26	13	56	49.7%	60.635	N	6.244	E	10	G		0.8	6	SOUTHERN NORWAY. MD 1.8 (BER).
	26	14	27	12.4*	66.969	N	156.510	W	5	G		0.7	8	ALASKA. ML 3.4 (PMR).
	26	14	44	10.4%	59.870	N	5.089	E	10	G		0.6	6	SOUTHERN NORWAY. MD 1.9 (BER).
	26	14	45	59.8	44.593	N	7.067	E	10	G		0.6	18	NORTHERN ITALY. ML 2.4 (GEN), 2.3 (LDG).
	26	14	47	12.4&	34.510	N	120.690	W	1				11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	26	15	37	17.0	44.588	N	7.065	E	10	G		0.6	20	NORTHERN ITALY. ML 2.4 (LDG), 2.3 (GEN).
	26	16	12	06.9*	52.373	N	176.306	W	33	N		1.2	5	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	26	16	29	28.7	44.583	N	7.022	E	10	G		0.3	14	NORTHERN ITALY. ML 2.0 (GEN), 2.0 (LDG).
	26	16	33	09.3	44.586	N	7.070	E	10	G		0.8	44	NORTHERN ITALY. ML 3.1 (LDG), 3.0 (GEN).
	26	16	47	30.8*	36.273	N	141.350	E	16	*	4.3	1.2	13	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mita and (I JMA) at Onahama.
	26	16	50	39.5?	31.01	N	131.64	E	55	*	4.1	0.9	10	KYUSHU, JAPAN
	26	18	46	03.3	39.318	N	23.457	E	10	G		0.8	14	AEGEAN SEA. ML 3.0 (ATH).
	26	18	51	22.1	39.278	N	23.564	E	10	G		0.9	24	AEGEAN SEA. ML 3.3 (ATH).
	26	19	00	40.6%	39.305	N	28.996	E	10	G		1.3	7	TURKEY
	26	19	35	19.8	27.942	S	66.846	W	192	*	4.6	0.9	20	CATAMARCA PROVINCE, ARGENTINA
	26	19	45	37.4%	44.555	N	6.977	E	10	G		0.2	7	FRANCE. ML 2.0 (GEN).
	26	20	43	16.3	38.424	N	119.161	W	5	G		1.2	11	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (BRK).
	26	21	08	17.5*	36.608	N	30.150	E	59	?		0.6	7	TURKEY
	26	21	28	58.2?	31.56	N	35.57	E	10	G		0.5	5	DEAD SEA REGION
	26	22	10	08.3*	46.443	N	9.526	E	10	G		0.4	5	SWITZERLAND. ML 2.5 (LDG).
	26	22	10	31.8&	33.930	N	118.580	W	11				16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt in the Santa Monica-Tarrance area.
	26	22	30	13.9?	31.40	S	177.76	W	126	?	4.7	1.3	9	KERMADEC ISLANDS REGION
	26	23	08	22.2&	38.827	N	122.793	W	1				19	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK). Felt (IV) at Cobb.
	26	23	40	46.2	5.165	S	143.491	E	111	*	5.0	1.1	16	PAPUA NEW GUINEA
	27	00	08	57.1*	29.954	N	99.288	E	33	N	4.1	0.7	8	SICHUAN PROVINCE, CHINA
	27	01	08	37.3&	60.138	N	153.136	W	121				16	SOUTHERN ALASKA. <AGS-P>.
	27	02	02	22.9&	60.032	N	153.199	W	127				18	SOUTHERN ALASKA. <AGS-P>.
f	27	02	20	04.7	30.601	N	140.589	E	85	G	6.1	1.0	454	SOUTH OF HONSHU, JAPAN. mb 6.6 (BRK). Mo=6.0*10**17 Nm (PPT). Felt (II JMA) at Takya, Tateyama and on Chichi-shima; (I JMA) at Choshi, Hirao, Onahama and on

													Hachijo-jima. Depth from broadband displacement seismograms.
	27	02	41	14.9	30.149	N	99.092	E	10	G	5.1	0.8	40 SICHUAN PROVINCE, CHINA
	27	04	05	37.6	30.553	N	140.613	E	93	D	4.9	1.0	82 SOUTH OF HONSHU, JAPAN
	27	04	07	01.7%	37.768	N	29.172	E	10	G		0.9	5 TURKEY
	27	04	18	58.9	30.657	N	140.596	E	90	D	4.8	0.8	60 SOUTH OF HONSHU, JAPAN
	27	04	19	15.8*	10.416	N	93.429	E	103	?	4.7	1.3	11 ANDAMAN ISLANDS REGION
	27	04	35	15.6?	17.83	N	65.65	W	10	G		0.1	5 PUERTO RICO REGION
	27	05	11	56.0?	32.56	S	71.54	W	21			0.6	10 NEAR COAST OF CENTRAL CHILE
	27	06	32	50.9	17.787	N	65.643	W	23		4.4	1.1	49 PUERTO RICO REGION. Felt in eastern Puerta Rico, as far west as Cayey and San Juan.
	27	07	25	48.8?	37.19	N	22.99	E	10	G		1.3	4 SOUTHERN GREECE. ML 3.0 (ATH).
	27	07	31	17.8	26.028	N	128.530	E	33	N	4.8	1.0	32 RYUKYU ISLANDS
	27	07	45	46.4	17.799	N	65.581	W	10	G		0.3	8 PUERTO RICO REGION
	27	07	51	52.9	17.827	N	65.628	W	10	G		0.4	8 PUERTO RICO REGION
	27	08	31	19.9?	17.84	N	65.72	W	10	G		0.2	6 PUERTO RICO REGION
	27	08	38	44.7	24.008	S	67.182	W	178		4.8	0.9	69 CHILE-ARGENTINA BORDER REGION
	27	08	41	32.7&	61.929	N	152.408	W	145				8 SOUTHERN ALASKA. <AGS-P>.
	27	09	12	10.2?	39.06	N	23.58	E	23			0.5	10 AEGEAN SEA
	27	09	18	42.3%	39.004	N	27.488	E	10	G		0.1	5 TURKEY
	27	09	31	51.1	30.556	N	139.957	E	100	*	4.3	0.8	19 SOUTH OF HONSHU, JAPAN
a	27	09	34	58.6	23.950	S	179.764	W	524		5.1	1.2	88 SOUTH OF FIJI ISLANDS
	27	10	10	41.7?	41.76	N	12.74	E	10	G		0.2	4 SOUTHERN ITALY
	27	10	15	12.3*	37.636	N	20.510	E	10	G		1.1	16 IONIAN SEA. MD 3.9 (ATH).
	27	10	23	02.1%	46.262	N	0.469	W	10	G		1.3	8 FRANCE. ML 2.9 (LDG).
a	27	10	39	36.9*	56.419	N	164.122	E	33	N	4.9 4.8	1.2	34 KOMANDORSKY ISLANDS REGION
	27	11	36	59.2%	61.461	N	6.313	E	10	G		0.5	8 SOUTHERN NORWAY. MD 1.8 (BER).
	27	11	41	45.2&	60.008	N	153.050	W	109				14 SOUTHERN ALASKA. <AGS-P>.
	27	12	37	32.8*	30.288	S	178.139	W	72	*	5.0	1.1	30 KERMADEC ISLANDS. Felt (III) on Raoul Island.
	27	13	14	15.4?	58.16	N	6.38	E	0	G		0.4	5 SOUTHERN NORWAY. MD 2.3 (BER). Prabable explosian.
	27	13	15	35.1	63.022	N	149.446	W	101	*		1.2	15 CENTRAL ALASKA
	27	15	09	44.2&	60.084	N	152.979	W	119				31 SOUTHERN ALASKA. <AGS-P>.
	27	15	14	38.2*	29.787	N	99.318	E	10	G		0.8	7 SICHUAN PROVINCE, CHINA
	27	15	20	18.9*	38.659	N	70.107	E	33	N	4.1	0.5	7 AFGHANISTAN-USSR BORDER REGION
	27	15	26	47.0	37.542	N	141.354	E	65		5.1	1.0	115 NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Fukushima and Sendai; (II JMA) at Ishinomaki, Mito, Morioka, Onahama and Utsunamiya.
	27	16	47	49.8	36.006	N	89.768	W	10	G	4.6	1.0	17 NEW MADRID, MISSOURI REGION. mbLg 4.3 (NEIS), 4.7 (BLA). Slight damage (VI) at Steele, Missouri. Felt (V) at Gabler, Hayti, Kennett and Senath, Missouri and at Blytheville AFB, Arkansas. Felt (IV) in parts of Arkansas, Illinois, Kentucky, Missouri and Tennessee.
	27	16	57	25.7	35.847	N	27.959	E	100	*		0.8	15 DODECANESE ISLANDS
	27	17	00	56.7	39.343	N	23.500	E	10	G		0.9	18 AEGEAN SEA
	27	18	21	37.2&	59.761	N	152.952	W	93				44 SOUTHERN ALASKA. <AGS-P>.
	27	18	34	24.5*	17.793	N	65.655	W	10	G		1.0	8 PUERTO RICO REGION. Felt at Humacao.
	27	18	39	52.7	66.981	N	156.303	W	5	G	5.0 4.8	1.0	106 ALASKA. ML 4.8 (PMR). Felt (III) at Kabuk.
	27	18	52	26.6	16.306	S	67.035	E	10	G	5.1	0.9	42 MID-INDIAN RISE
	27	19	09	47.9	66.899	N	156.284	W	5	G	4.4	1.1	38 ALASKA. ML 4.6 (PMR).
	27	19	37	37.9	33.585	N	80.645	E	33	N	4.7	1.4	33 TIBET
	27	19	43	11.6*	17.072	N	66.394	W	10	G		0.9	7 PUERTO RICO REGION. Felt in eastern Puerto Rico and as far west as San Juan.
	27	20	08	39.8	39.030	N	29.767	E	10	G		1.4	12 TURKEY
	27	20	39	28.2?	17.83	N	65.51	W	10	G		0.5	5 PUERTO RICO REGION
	27	20	52	23.0	42.103	N	14.036	E	10	G		1.1	7 CENTRAL ITALY
	27	20	58	33.2?	20.26	S	178.48	W	590	?	4.1	1.7	12 FIJI ISLANDS REGION
	27	21	14	21.6?	47.87	N	152.32	E	100	G	4.9	0.8	19 KURIL ISLANDS
	27	21	17	28.1*	6.418	S	131.200	E	33	N	4.5	1.1	7 TANIMBAR ISLANDS REGION
	27	21	34	10.4?	12.75	S	118.79	E	33	N		0.3	5 SOUTH OF SUMBAWA ISLAND
	27	21	44	32.7?	36.01	N	31.45	E	10	G		1.1	8 TURKEY
	27	22	04	33.7*	41.351	N	23.262	E	10	G		0.2	6 GREECE-BULGARIA BORDER REGION. ML 1.0 (SKO).
	27	22	42	32.6%	44.354	N	7.294	E	10	G		1.0	5 NORTHERN ITALY. ML 2.0 (GEN).
	27	22	50	45.7&	59.770	N	152.987	W	108				12 SOUTHERN ALASKA. <AGS-P>.
a	27	23	06	52.2	37.027	N	28.180	E	14		5.3 5.0	1.2	249 TURKEY. ML 5.1 (CSS), 4.9 (ATH). Felt in the Mugla area and at Izmir.
	27	23	23	20.3	37.106	N	27.881	E	10	G		0.8	8 TURKEY
	27	23	29	48.7?	30.15	N	140.07	E	33	N	4.7	1.3	12 SOUTH OF HONSHU, JAPAN
	27	23	45	19.1	37.041	N	28.043	E	10	G		1.4	11 TURKEY
	28	00	07	53.5?	13.31	N	60.37	W	10	G		0.4	5 WINDWARD ISLANDS. ML 2.9 (FDF).
	28	00	09	55.4*	37.094	N	27.826	E	10	G		1.0	6 TURKEY
	28	00	11	48.7*	37.098	N	27.791	E	10	G		1.2	5 TURKEY
	28	00	14	43.0?	36.98	N	27.88	E	10	G		0.3	4 DODECANESE ISLANDS
	28	00	26	34.5*	37.127	N	28.009	E	10	G		1.4	7 TURKEY
	28	00	46	31.1%	37.138	N	27.988	E	5	G		1.2	6 TURKEY
	28	00	56	51.4*	36.424	N	71.359	E	33	N	4.2	1.3	8 AFGHANISTAN-USSR BORDER REGION
	28	01	10	49.4*	37.091	N	27.909	E	10	G		1.2	8 TURKEY
	28	01	18	48.8	37.021	N	28.013	E	19		4.3	1.1	37 TURKEY. ML 4.0 (ATH). Felt at Mugla and Izmir.
	28	01	23	40.8?	37.18	N	27.79	E	10	G		0.2	4 TURKEY
	28	01	59	53.6*	37.074	N	27.934	E	10	G		1.4	6 TURKEY
a	28	02	34	25.3	17.830	N	105.174	W	10	G	5.3 5.2	1.2	88 OFF COAST OF JALISCO, MEXICO. Ms 5.6 (BRK), 5.1 (PAS).
	28	02	43	44.3*	37.102	N	27.944	E	10	G		1.4	7 TURKEY
	28	02	46	14.0*	37.075	N	27.933	E	10	G		1.5	8 TURKEY
	28	02	52	34.5*	39.334	N	23.490	E	10	G		1.3	11 AEGEAN SEA
	28	03	05	53.1?	37.15	N	28.03	E	5	G		0.6	4 TURKEY
	28	03	12	10.0	37.100	N	27.953	E	10	G		1.6	9 TURKEY
	28	03	33	08.5?	56.24	S	142.04	W	10	G	4.7 5.3	0.6	6 SOUTH PACIFIC CORDILLERA
	28	03	54	31.8	23.523	S	68.008	W	122		4.8	1.0	35 NORTHERN CHILE
	28	04	02	37.9	39.277	N	23.606	E	25		4.4 4.7	1.1	151 AEGEAN SEA. ML 4.7 (ATH). Felt at Volas, Greece.
	28	04	09	48.4	39.260	N	23.513	E	16			0.8	18 AEGEAN SEA. ML 2.9 (ATH).
	28	04	11	23.1	39.288	N	23.489	E	10	G		0.5	12 AEGEAN SEA. ML 2.9 (ATH).
	28	04	11	45.6*	39.257	N	23.629	E	10	G		1.2	10 AEGEAN SEA
	28	04	20	08.2	39.203	N	23.617	E	10	G		0.8	18 AEGEAN SEA
	28	04	31	25.2	39.269	N	23.532	E	10	G		0.9	19 AEGEAN SEA. ML 3.0 (ATH).

	28	04 39 49.3	39.283	N	23.718	E	10	G			1.2	23	AEGEAN SEA. ML 3.1 (ATH).
	28	04 54 57.6	39.244	N	23.609	E	10	G			0.8	22	AEGEAN SEA. ML 3.3 (ATH).
	28	05 05 48.6?	37.26	N	27.97	E	10	G			1.4	4	TURKEY
	28	05 15 07.7*	39.054	N	23.623	E	10	G			0.5	11	AEGEAN SEA. MD 3.5 (ATH).
	28	05 29 55.2*	37.059	N	27.992	E	10	G			1.2	8	TURKEY
	28	05 30 03.0	39.252	N	23.648	E	10	G			0.9	21	AEGEAN SEA. ML 3.2 (ATH).
	28	05 40 22.9?	38.85	N	23.65	E	12				0.6	8	GREECE
	28	06 37 32.5?	37.18	N	28.11	E	10	G			0.4	4	TURKEY
	28	06 48 47.5*	37.092	N	27.912	E	5	G			1.4	5	TURKEY
	28	07 02 45.6	39.265	N	23.497	E	10	G			0.8	16	AEGEAN SEA. ML 3.0 (ATH).
	28	07 24 27.5%	37.207	N	27.997	E	10	G			1.2	6	TURKEY
a	28	07 48 19.6	13.245	N	89.675	W	59		5.2		1.2	173	EL SALVADOR. Felt (III) at San Salvador.
	28	08 09 54.6*	37.077	N	27.925	E	10	G			1.3	6	TURKEY
	28	08 12 13.9?	17.83	N	65.65	W	10	G			0.1	5	PUERTO RICO REGION. Felt at Humacao.
	28	08 16 05.1*	37.076	N	27.999	E	10	G			1.1	7	TURKEY
	28	08 22 43.3&	60.126	N	153.249	W	134					31	SOUTHERN ALASKA. <AGS-P>.
	28	08 58 12.9%	39.032	N	27.650	E	10	G			1.4	7	TURKEY
a	28	09 13 46.2	20.163	S	67.478	E	10	G	5.2	4.9	1.0	51	MID-INDIAN RISE
	28	09 22 06.9*	29.901	N	99.359	E	10	G	4.8		1.2	12	SICHUAN PROVINCE, CHINA
a	28	09 23 07.3	16.606	S	173.645	W	93	D	5.4		1.0	112	TONGA ISLANDS
	28	10 04 00.8?	38.85	N	23.63	E	10	G			0.4	10	GREECE
	28	10 10 02.8?	37.20	N	27.90	E	10	G			0.8	4	TURKEY
	28	11 12 53.7	30.588	N	140.556	E	117	*	4.6		1.3	32	SOUTH OF HONSHU, JAPAN
	28	11 21 22.3?	36.95	N	27.81	E	10	G			1.4	6	DODECANESE ISLANDS
	28	11 39 46.4	39.256	N	23.570	E	10				0.7	23	AEGEAN SEA. ML 3.2 (ATH).
	28	11 51 16.3%	31.715	S	117.064	E	10	G			0.3	5	WESTERN AUSTRALIA
	28	12 31 19.0*	24.840	N	122.263	E	100	*	3.9		1.4	10	TAIWAN REGION
	28	12 40 10.8*	37.103	N	27.998	E	10	G			1.4	7	TURKEY
	28	13 14 58.5*	29.888	N	99.083	E	10	G	4.6		1.5	11	SICHUAN PROVINCE, CHINA
	28	13 19 59.6?	41.98	N	23.08	E	10	G			0.7	5	GREECE-BULGARIA BORDER REGION
a	28	13 30 19.2	37.004	N	28.139	E	17		5.1	5.1	1.0	249	TURKEY. ML 5.4 (CSS), 5.0 (ATH). Slight damage in the Milas area. Felt in the Mugla area and at Izmir.
	28	13 39 12.5*	37.086	N	27.881	E	10	G			1.5	6	TURKEY
	28	13 43 34.4?	16.57	S	174.51	W	173	*	4.6		0.3	14	TONGA ISLANDS
	28	13 44 05.1	36.982	N	28.006	E	20		4.0		1.2	24	DODECANESE ISLANDS
	28	14 04 00.0?	37.12	N	28.05	E	10	G			0.4	4	TURKEY
	28	14 05 35.2*	37.122	N	27.867	E	10	G			1.3	5	TURKEY
	28	14 18 33.4*	37.123	N	27.847	E	10	G			1.3	8	TURKEY
	28	14 33 59.7	36.537	N	70.890	E	174	*	3.9		0.7	13	HINDU KUSH REGION
	28	14 50 15.5*	37.089	N	27.860	E	10	G			1.3	8	TURKEY
	28	14 52 56.4	37.063	N	27.962	E	7		4.2		1.5	41	TURKEY
	28	15 13 54.7	39.226	N	23.632	E	10	G			0.7	18	AEGEAN SEA. ML 3.0 (ATH).
	28	15 29 37.1	39.241	N	23.601	E	22		3.6		0.9	39	AEGEAN SEA. ML 3.6 (ATH).
	28	15 49 20.5	43.268	N	0.407	W	10	G			1.4	12	PYRENEES. MG 3.4 (MDD). Felt (IV) at Arudy, Bielle and in the Ossau Valley, France.
	28	15 54 42.0	39.310	N	23.502	E	10	G			0.6	12	AEGEAN SEA. MD 3.1 (ATH).
	28	16 01 50.5*	37.093	N	27.952	E	10	G			1.5	6	TURKEY
	28	16 11 21.6*	37.089	N	28.005	E	10	G			0.4	5	TURKEY
	28	16 48 16.7*	37.111	N	27.967	E	10	G			1.5	7	TURKEY
	28	17 13 22.9*	37.095	N	27.909	E	10	G			1.3	7	TURKEY
	28	17 24 33.6	37.115	N	27.940	E	10	G			1.2	11	TURKEY
a	28	17 38 26.4	4.354	S	101.413	E	27	D	5.4	5.8	1.0	154	SOUTHERN SUMATERA
	28	17 40 13.4*	37.107	N	27.930	E	10	G			1.5	8	TURKEY
	28	18 33 12.8	37.100	N	27.950	E	10	G			1.0	11	TURKEY
	28	19 26 15.2?	41.93	N	128.24	W	10	G	4.5		1.7	7	OFF COAST OF NORTHERN CALIFORNIA
	28	19 32 55.5	37.084	N	27.814	E	10	G			0.6	6	TURKEY
a	28	20 08 51.5	4.294	S	101.363	E	30	D	5.2	5.6	1.1	130	SOUTHERN SUMATERA
a	28	20 26 17.9*	59.515	S	29.397	W	22	D	5.5	5.7	1.4	44	SOUTH SANDWICH ISLANDS REGION
	28	20 43 24.7?	37.17	N	27.99	E	10	G			1.5	5	TURKEY
	28	20 53 50.2*	43.344	N	5.679	E	10	G			0.4	11	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	28	21 08 56.1*	37.083	N	27.916	E	10	G			0.3	5	TURKEY
a	28	21 09 57.6	4.210	S	101.370	E	32	D	5.4	5.7	1.0	150	SOUTHERN SUMATERA
	28	21 11 42.6	37.081	N	27.915	E	10	G			1.1	24	TURKEY. MD 3.9 (ATH).
	28	22 00 41.7%	37.162	N	27.938	E	10	G			0.8	9	TURKEY
	28	22 13 03.5*	4.187	S	101.503	E	33	N	5.0		0.7	12	SOUTHERN SUMATERA
	28	22 18 23.1	39.942	N	23.893	E	10	G			0.9	17	AEGEAN SEA
	28	23 50 11.1	37.049	N	27.948	E	10	G	3.7		1.4	29	TURKEY
	29	00 10 40.5	39.800	N	30.503	E	10	G	3.5		1.0	20	TURKEY
a	29	01 03 06.8	5.494	S	102.976	E	38	D	5.4	5.1	1.1	164	SOUTHERN SUMATERA
	29	01 06 55.1?	37.74	N	23.61	E	10	G			1.0	9	SOUTHERN GREECE
	29	01 38 33.6?	34.03	S	71.92	W	33	N			0.2	10	NEAR COAST OF CENTRAL CHILE
	29	01 51 57.2?	39.22	N	23.28	E	10	G			0.6	9	AEGEAN SEA
	29	02 14 20.3*	39.371	N	16.905	E	10	G			0.4	5	SOUTHERN ITALY
	29	02 22 56.6%	37.156	N	27.968	E	5	G			0.9	5	TURKEY
	29	02 23 57.4	39.327	N	16.774	E	10	G			0.6	6	SOUTHERN ITALY
	29	02 25 20.2%	39.370	N	16.799	E	10	G			0.7	6	SOUTHERN ITALY
	29	02 26 37.2%	39.329	N	16.797	E	10	G			0.7	6	SOUTHERN ITALY
	29	02 55 51.0	37.787	N	142.446	E	33		4.6		1.1	44	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Fukushima.
	29	03 10 40.8*	66.938	N	156.412	W	5	G			0.4	6	ALASKA. ML 3.0 (PMR).
	29	03 16 32.4	66.940	N	156.339	W	5	G			0.2	9	ALASKA. ML 3.8 (PMR).
	29	04 04 03.3*	37.022	N	27.966	E	10	G			1.4	5	TURKEY
	29	04 11 12.1*	17.356	S	174.288	W	149	D	4.6		1.0	31	TONGA ISLANDS
	29	04 11 12.8*	37.080	N	27.973	E	10	G			1.6	5	TURKEY
	29	04 23 39.8	37.119	N	27.939	E	10	G			0.9	7	TURKEY
	29	04 44 47.0%	37.204	N	27.921	E	10	G			1.4	9	TURKEY
	29	05 41 33.3	37.105	N	27.886	E	10	G			1.4	10	TURKEY
	29	06 15 15.7%	39.429	N	28.094	E	10	G			1.3	7	TURKEY
a	29	06 25 39.1	57.190	N	122.069	E	30	D	5.3	5.1	0.9	194	EASTERN USSR
	29	06 26 52.8	46.167	N	11.919	E	10	G			0.8	6	NORTHERN ITALY. ML 2.8 (KBA). MD 2.9 (TRI).
	29	06 40 49.7*	37.074	N	27.909	E	10	G			1.5	7	TURKEY
	29	06 47 18.7	39.262	N	23.424	E	10	G			1.2	12	AEGEAN SEA. ML 3.0 (ATH).
	29	07 29 27.2*	37.143	N	27.959	E	10	G			1.5	6	TURKEY

	29	07	40	52.4*	25.610	S	179.378	W	457	?	4.6	1.1	18	SOUTH OF FIJI ISLANDS
	29	08	08	08.0?	37.02	N	28.05	E	5	G		0.9	4	TURKEY
	29	08	26	39.5*	44.292	N	149.107	E	33	N	4.7	1.4	12	KURIL ISLANDS
	29	08	43	58.5	40.565	N	24.180	E	10	G		0.8	7	AEGEAN SEA
	29	08	58	04.7	44.291	N	7.487	E	10	G		0.5	16	NORTHERN ITALY. ML 2.2 (GEN).
	29	09	09	42.0%	39.111	N	27.556	E	10	G		0.7	5	TURKEY
	29	09	35	39.0*	66.876	N	156.230	W	5	G		0.6	6	ALASKA. ML 2.8 (PMR).
	29	10	14	33.0	7.320	S	120.692	E	490		4.6	1.0	58	FLORES SEA
	29	10	37	26.1?	37.12	N	27.91	E	10	G		1.6	4	TURKEY
	29	11	37	54.0?	37.02	N	27.97	E	10	G		0.8	4	TURKEY
	29	12	10	33.2?	37.12	N	28.02	E	10	G		1.3	5	TURKEY
	29	12	28	37.5&	60.088	N	152.554	W	93				29	SOUTHERN ALASKA. <AGS-P>.
	29	12	35	53.1?	34.28	N	139.87	E	33	N	4 8	0.9	6	NEAR S. COAST OF HONSHU, JAPAN
	29	12	55	14.5?	25.25	N	91.60	E	33	N	4.3	0.4	7	INDIA-BANGLADESH BORDER REGION
	29	13	50	12.0	36.599	N	141.038	E	58		4.3	0.8	26	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito and Onohama; (I JMA) at Utsunomiya.
	29	15	04	25.0?	21.72	S	177.22	W	400	G	4.6	0.8	12	FIJI ISLANDS REGION
a	29	15	12	02.4	51.786	N	175.226	W	33	N	5.1 4.3	0.8	132	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR). Felt (IV) on Adak.
	29	15	52	53.2	66.922	N	156.321	W	5	G	4.1	0.7	22	ALASKA. ML 4.2 (PMR). Felt at Kabuk.
	29	16	40	07.7%	41.681	N	27.563	E	10	G		1.1	5	TURKEY
	29	18	10	00.0?	2.03	N	126.53	E	113	?	4.0	0.4	7	MOLUCCA PASSAGE
	29	18	18	00.5	39.231	N	23.549	E	10	G		0.3	14	AEGEAN SEA. ML 3.0 (ATH).
	29	18	42	35.6	38.947	N	23.407	E	10	G		1.1	13	GREECE. MD 3.2 (ATH).
	29	18	51	22.2*	66.900	N	156.327	W	5	G		0.2	5	ALASKA. ML 3.6 (PMR).
	29	19	26	48.0	37.139	N	27.932	E	10	G		0.5	7	TURKEY
	29	19	34	13.7	37.099	N	27.908	E	10	G		1.1	12	TURKEY
	29	20	18	39.4*	34.166	S	71.130	W	88	*		0.2	12	NEAR COAST OF CENTRAL CHILE
	29	20	32	25.4?	16.04	S	173.63	W	92	D	4.6	0.9	12	TONGA ISLANDS
	29	20	58	08.2*	37.068	N	27.876	E	10	G		1.3	7	TURKEY
	29	21	42	52.2?	45.01	N	3.57	E	10	G		1.1	9	FRANCE. ML 2.9 (LDG).
	29	21	57	48.0*	0.867	S	98.064	E	42	?	4.4	1.2	23	SOUTHERN SUMATERA
	29	21	59	28.1&	60.391	N	152.220	W	99				39	SOUTHERN ALASKA. <AGS-P>.
	29	22	01	45.7?	0.90	S	80.41	W	33	N	4.6	1.3	13	NEAR COAST OF ECUADOR
	29	22	19	54.7	37.099	N	27.882	E	10	G		1.1	14	TURKEY
	29	22	26	25.1%	18.256	N	66.310	W	10	G		0.3	6	PUERTO RICO REGION
	29	22	28	34.1	39.282	N	23.591	E	11			1.0	38	AEGEAN SEA. ML 3.3 (ATH).
	29	22	31	06.0	37.098	N	27.904	E	10	G		1.3	9	TURKEY
	29	23	52	26.7%	10.942	N	62.120	W	33	N		0.7	8	NEAR COAST OF VENEZUELA. MD 3.7 (TRN).
	30	00	07	57.7*	0.868	S	98.062	E	33	N	4.3	1.2	19	SOUTHERN SUMATERA
	30	00	10	58.0?	41.79	N	12.74	E	10	G		0.1	4	SOUTHERN ITALY
	30	00	29	44.9	11.297	N	68.071	W	10	G	4.9 4.2	1.3	50	NEAR COAST OF VENEZUELA
	30	00	37	20.1*	66.920	N	156.230	W	5	G		0.4	6	ALASKA. ML 3.1 (PMR).
	30	00	48	21.2	66.978	N	156.159	W	5	G	4.5	1.1	34	ALASKA. ML 4.8 (PMR).
	30	01	00	08.4*	32.144	S	71.747	W	33	N		1.0	11	NEAR COAST OF CENTRAL CHILE
	30	01	14	27.3*	66.945	N	156.171	W	5	G		0.8	6	ALASKA. ML 3.8 (PMR).
	30	01	58	45.9	40.024	N	23.173	E	10	G		0.9	11	GREECE. MD 3.0 (ATH).
	30	02	18	27.2?	41.58	N	12.45	E	10	G		0.2	4	SOUTHERN ITALY
	30	02	38	29.2*	37.082	N	27.834	E	10	G		0.7	6	TURKEY
	30	02	38	38.8&	58.048	N	154.134	W	73				10	ALASKA PENINSULA. <AGS-P>.
	30	03	04	04.6?	17.88	N	65.75	W	10	G		0.2	5	PUERTO RICO REGION
	30	03	07	54.3?	18.46	N	65.91	W	10	G		1.1	4	PUERTO RICO REGION
	30	03	15	21.4?	20.29	S	176.41	W	278	?	4.4	0.6	11	FIJI ISLANDS REGION
	30	03	36	20.0*	34.925	N	137.072	E	33	N		0.4	7	NEAR S. COAST OF HONSHU, JAPAN. MG 3.6 (JMA). Felt (I JMA) at Nagoya and Gifu
	30	03	38	00.6	47.298	N	6.605	E	21			0.8	51	FRANCE. ML 3.8 (LDG).
	30	03	50	15.5	34.926	N	137.028	E	33	N		0.6	9	NEAR S. COAST OF HONSHU, JAPAN. MG 3.4 (JMA). Felt (I JMA) at Nagoya.
	30	05	04	42.5*	32.638	S	69.904	W	33	N		1.5	7	MENDOZA PROVINCE, ARGENTINA
	30	05	11	00.5	39.277	N	23.580	E	20		4.0	1.0	70	AEGEAN SEA. ML 4.1 (ATH).
	30	05	15	13.3	39.261	N	23.526	E	10	G		0.4	13	AEGEAN SEA. ML 3.0 (ATH).
	30	06	49	48.3	42.019	N	19.206	E	10	G		1.1	11	YUGOSLAVIA. MD 2.9 (TTG).
	30	07	44	05.0%	45.640	N	3.569	E	10	G		0.8	7	FRANCE. ML 2.5 (LDG).
	30	07	44	58.5&	60.321	N	150.862	W	57				34	KENAI PENINSULA, ALASKA. <AGS-P>.
a	30	08	22	54.0	10.960	N	68.325	W	20	G	5.9 6.0	1.0	345	NEAR COAST OF VENEZUELA. Ms 6.4 (BRK), 6.0 (PAS). Slight damage in the Valencia area. Felt at Caracas and in Aragua, Caraboba, Falcon and Yaracuy States. Depth from broadband displacement seismagrams.
	30	09	10	56.6&	61.351	N	149.695	W	29		4.4		65	SOUTHERN ALASKA. <AGS-P>. ML 4 4 (PMR). Felt (V) at Chugiak and Eagle River; (IV) at Anchorage and Palmer.
	30	09	30	06.4*	11.758	N	68.416	W	10	G	4.6	1.2	12	NEAR COAST OF VENEZUELA
	30	10	15	29.7?	21.84	S	67.10	W	213	?		1.6	6	CHILE-BOLIVIA BORDER REGION
	30	10	42	06.4?	39.24	N	23.54	E	10	G		0.5	9	AEGEAN SEA
	30	11	03	36.4%	39.218	N	28.846	E	10	G		0.5	6	TURKEY
	30	11	04	26.3	30.110	N	99.502	E	44	*	4.8	1.0	56	SICHUAN PROVINCE, CHINA
	30	11	12	18.3%	60.600	N	5.893	E	10	G		1.0	10	SOUTHERN NORWAY. MD 1.8 (BER).
	30	11	49	25.9*	30.743	S	72.066	W	62	?	4.8	1.4	16	OFF COAST OF CENTRAL CHILE
	30	11	54	32.9*	66.888	N	156.340	W	5	G		0.3	6	ALASKA. ML 3.4 (PMR).
	30	11	58	57.7*	32.677	S	69.761	W	134	?		0.3	9	MENDOZA PROVINCE, ARGENTINA
	30	12	52	42.2*	29.913	N	99.268	E	33	N	4.2	1.0	9	SICHUAN PROVINCE, CHINA
	30	13	12	13.4	45.673	N	3.435	E	11			0.7	18	FRANCE. ML 3.5 (LDG).
	30	13	22	08.4%	45.708	N	3.492	E	10	G		1.1	14	FRANCE. ML 3.0 (LDG).
	30	14	41	36.8*	66.879	N	156.300	W	5	G		0.3	5	ALASKA. ML 3.4 (PMR).
	30	15	32	57.9?	17.45	N	62.12	W	33	N		1.4	8	LEEWARD ISLANDS. ML 2.8 (FDF).
a	30	15	33	52.7	17.912	S	178.665	W	570	D	5.4	1.0	331	FIJI ISLANDS REGION. mb 5.6 (BRK).
	30	16	11	23.9*	35.596	N	30.951	E	33	N		1.0	9	EASTERN MEDITERRANEAN SEA
	30	16	18	29.8*	35.640	N	30.742	E	33	N		0.4	5	EASTERN MEDITERRANEAN SEA
	30	16	26	43.9*	43.163	N	136.072	E	356	*	4.2	0.9	24	EASTERN SEA OF JAPAN
	30	17	03	03.2?	9.40	N	61.35	W	33	N		1.0	5	NEAR COAST OF VENEZUELA. MD 3.8 (TRN).
	30	17	50	10.7*	5.539	S	147.235	E	209	*	4.9	0.9	13	EAST PAPUA NEW GUINEA REGION
	30	18	35	12.1&	61.852	N	152.119	W	121				44	SOUTHERN ALASKA. <AGS-P>.
	30	18	54	06.7	39.073	N	29.746	E	10	G		1.1	17	TURKEY
	30	19	07	27.6*	43.687	N	133.874	E	439	?	4.2	0.9	25	NEAR E. COAST OF EASTERN USSR

30	19	50	33.5*	66.944	N	156.325	W	5	G			1.3	6	ALASKA. ML 3.5 (PMR).
30	20	22	41.3	28.817	N	140.694	E	33	N	4.3		1.3	30	BONIN ISLANDS REGION
30	20	32	25.6*	66.915	N	156.209	W	5	G			0.8	6	ALASKA. ML 3.6 (PMR).
30	21	24	52.6*	11.238	N	68.053	W	10	G	4.6		1.3	14	NEAR COAST OF VENEZUELA
30	22	03	27.6*	66.944	N	156.307	W	5	G			0.1	6	ALASKA. ML 3.8 (PMR).
30	23	05	26.7	30.071	N	99.507	E	15	D	5.1	4.8	0.9	142	SICHUAN PROVINCE, CHINA
30	23	44	35.7?	32.15	N	96.89	E	33	N	4.4		1.2	11	QINGHAI PROVINCE, CHINA

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 21 58 14.19 32.797S 69.947W 110km
5.5mb (22 abs.)
MENDOZA PROVINCE, ARGENTINA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=75 Slip= -60
NP2: 139 33 -152
Principal Axes:
T Plg=24 Azm= 92
P 51 329
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is NP1.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 21:58:18.4 0.4
Lat 32.86S 0.04 Lon 70.19W 0.08
Dep 119.0 3.2 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 11.76 Plg=29 Azm= 93
N -1.47 9 188
P -10.30 59 294
Best Double Couple:Mo=1.1*10**17
NP1:Strike=158 Dip=18 Slip=-122
NP2: 10 75 -80

02 06 42 04.57 28.252N 57.315E 44km
5.3mb (55 obs.) 4.8Msz (10 obs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 06:42: 9.4 0.5
Lat 27.91N 0.06 Lon 57.25E 0.06
Dep 42.8 BDY Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 11.62 Plg=69 Azm=350
N 1.21 4 251
P -12.83 21 159
Best Double Couple:Mo=1.2*10**17
NP1:Strike=242 Dip=24 Slip= 81
NP2: 72 66 94

02 10 35 57.15 11.063N 85.352W 70km
5.0mb (26 obs.)
NICARAGUA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 29C
Centroid Location:
Origin Time 10:36: 1.8 0.6
Lat 10.98N 0.07 Lon 85.26W 0.08
Dep 80.5 9.3 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 14.02 Plg=39 Azm= 41
N -2.90 2 309
P -11.11 51 216
Best Double Couple:Mo=1.3*10**17
NP1:Strike=150 Dip= 6 Slip= -69
NP2: 309 84 -92

02 10 43 32.79 5.428S 146.785E 251km
5.6mb (41 obs.)
EAST PAPUA NEW GUINEA REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=300 Dip=72 Slip= -90
NP2: 120 18 -90
Principal Axes:
T Plg=27 Azm= 30
P 63 210
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 238 No. of sta: 6
Principal Axes:
Scale 10**17 Nm
T Val= 2.86 Plg=34 Azm= 33
N 0.06 5 126
P -2.92 55 224
Best Double Couple:Mo=2.9*10**17
NP1:Strike=101 Dip=12 Slip=-116
NP2: 307 80 -85
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 10:43:39.0 0.6
Lat 5.23S 0.05 Lon 146.85E 0.04
Dep 227.8 2.3 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.88 Plg=45 Azm= 55
N 0.58 17 307
P -3.46 40 202
Best Double Couple:Mo=3.2*10**17
NP1:Strike=225 Dip=17 Slip= 8
NP2: 128 88 107

02 20 52 02.67 30.941S 179.998E 400km
5.1mb (32 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 20:52: 6.1 0.8
Lat 31.10S 0.09 Lon 179.91W 0.06
Dep 428.2 3.1 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.47 Plg= 4 Azm= 94
N -0.31 9 184
P -1.17 80 342
Best Double Couple:Mo=1.3*10**17
NP1:Strike=174 Dip=42 Slip=-104
NP2: 12 50 -78

02 21 24 36.96 32.621N 47.782E 33km
5.4mb (71 obs.) 5.0Msz (7 obs.)
IRAN-IRAQ BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 21:24:40.1 0.9
Lat 32.89N 0.09 Lon 47.62E 0.09
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.12 Plg=29 Azm=112
N 0.60 40 355
P -1.72 37 227
Best Double Couple:Mo=1.4*10**17
NP1:Strike=256 Dip=40 Slip= -7
NP2: 351 85 -130

03 19 39 32.28 25.170N 94.652E 67km
5.2mb (70 obs.)
BURMA-INDIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 19:39:37.8 0.4
Lat 25.15N 0.06 Lon 94.81E 0.06
Dep 85.3 3.2 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.85 Plg= 1 Azm=297
N -0.24 78 202
P -2.61 12 27
Best Double Couple:Mo=2.7*10**17
NP1:Strike= 71 Dip=81 Slip= -8
NP2: 163 82 -171

04 20 10 52.15 25.017N 123.359E 141km
5.0mb (27 obs.)
NORTHEAST OF TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 20:10:50.0 0.6
Lat 24.62N 0.08 Lon 122.96E 0.11
Dep 121.1 5.2 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 12.08 Plg=55 Azm=192
N -1.18 19 73
P -10.89 28 332
Best Double Couple:Mo=1.1*10**17
NP1:Strike= 22 Dip=24 Slip= 37
NP2: 258 76 110

05 23 47 49.39 20.857S 69.028W 112km
5.7mb (46 abs.)
NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 55C
Centroid Location:
Origin Time 23:47:54.8 0.2
Lat 21.13S 0.02 Lon 69.09W 0.03
Dep 122.3 1.3 Half-duration 4.6
Principal Axes:
Scale 10**18 Nm
T Val= 2.69 Plg=16 Azm= 78
N -0.86 11 345
P -1.83 70 222
Best Double Couple:Mo=2.3*10**18
NP1:Strike=185 Dip=30 Slip= -67
NP2: 339 62 -103

06 08 05 57.10 19.306S 169.002E 166km
6.1mb (30 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=158 Dip=75 Slip= 90
NP2: 338 15 90
Principal Axes:
T Plg=60 Azm= 68
P 30 248
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 10 Focal mech. F
Energy 0.3±0.1*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 151 No. of sta: 12
Principal Axes:
Scale 10**19 Nm
T Val= 2.69 Plg=61 Azm= 78
N -0.26 1 346
P -2.43 29 255
Best Double Couple:Mo=2.6*10**19
NP1:Strike=343 Dip=16 Slip= 87
NP2: 166 74 91
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 62C M.W.: 18S, 47C
Centroid Location:
Origin Time 08:06: 7.6 0.1
Lat 19.48S 0.01 Lon 168.94E 0.01
Dep 164.6 0.5 Half-duration 11.0
Principal Axes:
Scale 10**19 Nm
T Val= 2.73 Plg=59 Azm= 90
N 0.04 8 346
P -2.77 29 252
Best Double Couple:Mo=2.8*10**19
NP1:Strike=318 Dip=17 Slip= 61
NP2: 169 75 99

07 21 06 21.54 58.685S 148.750E 10km
5.2mb (6 obs.) 5.1Msz (2 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 30C
Centroid Location:
Origin Time 21:06:26.7 0.5
Lat 59.02S 0.05 Lon 148.35E 0.10
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.44	18	27
N	-0.06	71	225
P	-2.38	5	119

Best Double Couple:Mo=2.4*10**17
NP1:Strike=165 Dip=74 Slip= 9
NP2: 72 81 163

08 01 22 23.26 57.064N 143.490W 10km
4.9mb (46 obs.) 4.7Msz (3 obs.)
GULF OF ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 24C
Centroid Location:
Origin Time 01:22:23.9 1.5
Lat 57.27N 0.15 Lon 144.01W 0.17
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.22	0	132
N	0.09	90	180
P	-5.30	0	42

Best Double Couple:Mo=5.3*10**16
NP1:Strike=177 Dip=90 Slip= 180
NP2: 267 90 0

08 01 32 48.56 37.731S 50.071E 10km
5.0mb (15 obs.) 4.9Msz (1 obs.)
ATLANTIC-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 39C
Centroid Location:
Origin Time 01:32:56.2 0.7
Lat 37.57S 0.08 Lon 50.61E 0.09
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.48	14	2
N	-0.18	2	271
P	-1.30	76	172

Best Double Couple:Mo=1.4*10**17
NP1:Strike= 95 Dip=31 Slip= -85
NP2: 270 59 -93

08 03 06 01.59 15.737S 173.001W 33km
5.4mb (28 obs.) 5.7Msz (24 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 41C
Centroid Location:
Origin Time 03:06: 8.7 0.2
Lat 15.90S 0.03 Lon 172.91W 0.03
Dep 15.0 BDY Half-duration 3.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	10.66	66	257
N	0.88	3	354
P	-11.54	24	86

Best Double Couple:Mo=1.1*10**18
NP1:Strike=183 Dip=21 Slip= 99
NP2: 353 69 86

09 02 31 36.17 29.177N 90.077E 10km
5.2mb (52 obs.) 4.7Msz (6 obs.)
TIBET
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 23C
Centroid Location:
Origin Time 02:31:42.7 0.7
Lat 28.74N 0.13 Lon 89.94E 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.66	5	260
N	-0.49	19	352
P	-6.17	70	155

Best Double Couple:Mo=6.4*10**16
NP1:Strike=330 Dip=43 Slip=-119
NP2: 187 53 -65

09 05 07 50.60 51.510N 178.386W 33km
5.2mb (59 obs.) 4.7Msz (3 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 35C
Centroid Location:
Origin Time 05:07:56.0 0.8
Lat 51.92N 0.07 Lon 178.13W 0.10
Dep 32.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.45	71	334
N	1.18	2	239
P	-9.63	19	148

Best Double Couple:Mo=9.0*10**16
NP1:Strike=235 Dip=26 Slip= 86
NP2: 60 64 92

09 09 14 34.17 16.265S 172.845W 25km
5.1mb (15 obs.) 4.9Msz (2 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 09:14:42.9 0.6
Lat 16.24S 0.06 Lon 172.79W 0.07
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.28	69	297
N	0.16	6	191
P	-1.45	20	99

Best Double Couple:Mo=1.4*10**17
NP1:Strike=178 Dip=26 Slip= 76
NP2: 13 65 97

09 09 22 34.81 20.791S 178.703W 593km
5.1mb (30 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 25C
Centroid Location:
Origin Time 09:22:41.6 0.8
Lat 20.42S 0.08 Lon 179.23W 0.08
Dep 604.1 5.4 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.34	1	209
N	0.84	30	118
P	-2.18	59	301

Best Double Couple:Mo=1.8*10**17
NP1:Strike=326 Dip=51 Slip= -50
NP2: 92 53 -129

09 16 57 06.52 20.527S 174.378E 33km
5.1mb (12 obs.) 5.1Msz (2 obs.)
VANUATU ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.. 16S, 31C
Centroid Location:
Origin Time 16:57:11.8 0.5
Lat 20.34S 0.06 Lon 173.91E 0.04
Dep 39.6 4.9 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.43	3	227
N	0.01	78	329
P	-1 45	12	136

Best Double Couple:Mo=1.4*10**17
NP1:Strike=272 Dip=80 Slip=-174
NP2: 181 84 -10

11 03 56 36.91 49.488N 159.185E 16km
6.3mb (80 obs.) 6.6Msz (23 obs.)
KURIL ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=230 Dip=68 Slip= -90
NP2: 50 22 -90
Principal Axes:

	Plg=	Azm=
T	23	320
P	67	140

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY No. of sta: 13 Focal mech. F
Energy 3.0±0.6*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 26 No. of sta: 22
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.10	20	332
N	-0.03	13	237
P	-1.07	66	116

Best Double Couple:Mo=1.1*10**19
NP1:Strike= 83 Dip=28 Slip= -62
NP2: 231 66 -104
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 51C M.W.: 15S, 31C
Centroid Location:
Origin Time 03:56:42.8 0.1
Lat 49.64N 0.01 Lon 159.41E 0.02
Dep 15.0 FIX Half-duration 9.0
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.55	11	326
N	-0.10	3	56
P	-1.45	79	160

Best Double Couple:Mo=1.5*10**19
NP1:Strike= 52 Dip=35 Slip= -95
NP2: 238 56 -87
GEOSCOPE MOMENT TENSOR (PAR)
Dep 15.0 Half-duration 8.0
Best Double Couple:Mo=2.0*10**19
NP1:Strike= 59 Dip=29 Slip= -71
NP2: 218 63 260

13 00 43 11.2B 39.533S 75.002W 33km
5.8mb (27 obs.) 5.5Msz (6 obs.)
OFF COAST OF CENTRAL CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 5 Dip=75 Slip= -90
NP2: 185 15 -90
Principal Axes:

	Plg=	Azm=
T	30	95
P	60	275

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 8 No. of sta: 5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.50	27	98
N	0.18	7	4
P	-5.68	62	262

Best Double Couple:Mo=5.6*10**17
NP1:Strike=204 Dip=19 Slip= -69
NP2: 2 72 -97
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 44C
Centroid Location:
Origin Time 00:43:10.8 0.2
Lat 39.96S 0.03 Lon 75.07W 0.04
Dep 15.0 BDY Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.58	16	86
N	0.30	21	350
P	-5.88	63	211

Best Double Couple:Mo=5.7*10**17
NP1:Strike=204 Dip=34 Slip= -51
NP2: 339 64 -113

13 07 25 36.70 24.472N 92.505E 33km
5.1mb (44 obs.) 5.0Msz (9 obs.)
INDIA-BANGLADESH BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 07:25:37.9 0.8
Lat 24.25N 0.09 Lon 91.71E 0.16
Dep 33.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.01	47	97
N	-0.63	6	1
P	-1.39	43	265

Best Double Couple:Mo=1.7*10**17
NP1:Strike=291 Dip= 6 Slip= 20
NP2: 181 88 96

13 12 17 31.30 13.290N 39.980E 33km

4.9mb (23 obs.) 4.9Msz (1 obs.)
ETHIOPIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 35C
Centroid Location:
Origin Time 12:17:25.7 0.9
Lat 12.94N 0.06 Lon 39.48E 0.06
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.77	8	64
N	-0.02	13	332
P	-1.75	75	185

Best Double Couple:Mo=1.8*10**17

	Strike=	Dip=	Slip=
NP1:	168	39	-70
NP2:	323	54	-106

14 01 15 44.55 14.879S 167.211E 158km
5.2mb (17 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 01:15:48.2 1.7
Lat 15.44S 0.18 Lon 166.97E 0.17
Dep 133.4 6.0 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.50	33	159
N	-0.71	55	316
P	-5.79	11	62

Best Double Couple:Mo=6.1*10**16

	Strike=	Dip=	Slip=
NP1:	196	59	163
NP2:	295	76	32

14 12 52 26.76 19.201N 145.522E 168km
5.4mb (36 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 12:52:28.1 0.9
Lat 19.46N 0.07 Lon 145.08E 0.10
Dep 156.1 3.8 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.34	34	171
N	-1.38	18	273
P	-6.96	50	27

Best Double Couple:Mo=7.6*10**16

	Strike=	Dip=	Slip=
NP1:	211	20	-154
NP2:	96	81	-71

14 13 02 52.66 18.172S 178.393W 636km
5.4mb (37 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 44C
Centroid Location:
Origin Time 13:03: 0.5 0.7
Lat 17.87S 0.05 Lon 178.74W 0.05
Dep 648.0 2.4 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.50	8	328
N	0.43	31	63
P	-4.93	57	225

Best Double Couple:Mo=4.7*10**17

	Strike=	Dip=	Slip=
NP1:	27	46	-136
NP2:	263	60	-53

15 14 26 41.25 8.453N 61.039W 23km
5.8mb (64 obs.) 5.1Msz (3 obs.)
VENEZUELA
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	95	75	-50
NP2:	202	42	-157

Principal Axes:

	Plg=	Azm=
T	20	156
P	45	45

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. C
Energy 8.4±3.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 13 No. of sta: 6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.56	9	151
N	-0.01	44	249
P	-1.55	45	52

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

	Strike=	Dip=	Slip=
NP1:	202	53	-151
NP2:	93	67	-41

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 42C
Centroid Location:
Origin Time 14:26:41.4 0.6
Lat 8.50N 0.06 Lon 60.32W 0.06
Dep 18.5 4.6 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.60	28	149
N	-0.36	26	254
P	-1.24	51	20

Best Double Couple:Mo=1.4*10**17

	Strike=	Dip=	Slip=
NP1:	194	29	-153
NP2:	80	77	-63

15 20 34 08.93 29.987N 99.195E 13km
6.2mb (68 obs.) 6.2Msz (18 obs.)
SICHUAN PROVINCE, CHINA
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	85	40	-90
NP2:	265	50	-90

Principal Axes:

	Plg=	Azm=
T	5	355
P	85	175

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 1.0±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 7 No. of sta: 14
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	3.70	3	8
N	-0.33	15	99
P	-3.37	75	266

Best Double Couple:Mo=3.5*10**18

	Strike=	Dip=	Slip=
NP1:	83	44	-111
NP2:	291	50	-71

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 38C M.W.: 19S, 39C
Centroid Location:
Origin Time 20:34:21.2 0.1
Lat 29.92N 0.01 Lon 99.37E 0.02
Dep 15.0 BDY Half-duration 6.3
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	5.38	16	171
N	-0.11	8	78
P	-5.27	72	323

Best Double Couple:Mo=5.3*10**18

	Strike=	Dip=	Slip=
NP1:	273	29	-73
NP2:	74	62	-99

15 23 48 36.81 13.723S 171.926E 602km
5.2mb (36 obs.)
VANUATU ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 13C
Centroid Location:
Origin Time 23:48:42.9 1.6
Lat 13.69S FIX;Lon 171.89E FIX
Dep 575.010.8 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.73	41	55
N	0.02	36	185
P	-2.75	28	298

Best Double Couple:Mo=2.7*10**17

	Strike=	Dip=	Slip=
NP1:	80	37	168
NP2:	179	83	53

16 05 24 23.34 26.533N 126.388E 133km
5.3mb (54 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 05:24:25.3 0.5
Lat 26.33N 0.04 Lon 125.96E 0.08
Dep 125.9 2.2 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.57	23	227
N	0.39	22	327
P	-1.96	57	95

Best Double Couple:Mo=1.8*10**17

	Strike=	Dip=	Slip=
NP1:	281	29	-140
NP2:	155	72	-67

16 06 50 24.46 1.012N 120.061E 27km
5.3mb (27 obs.) 4.9Msz (15 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 39C
Centroid Location:
Origin Time 06:50:29.6 0.4
Lat 1.52N 0.05 Lon 120.28E 0.07
Dep 35.1 4.3 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.38	59	204
N	-0.03	23	71
P	-2.35	21	332

Best Double Couple:Mo=2.4*10**17

	Strike=	Dip=	Slip=
NP1:	28	31	43
NP2:	260	69	114

16 08 04 29.57 4.612N 32.651W 10km
4.9mb (11 obs.) 4.7Msz (2 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 08:04:34.2 1.2
Lat 4.74N FIX;Lon 32.62W FIX
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	3.57	0	264
N	-0.64	0	174
P	-2.93	90	180

Best Double Couple:Mo=3.3*10**16

	Strike=	Dip=	Slip=
NP1:	354	45	-90
NP2:	174	45	-90

16 08 35 03.25 4.462N 32.573W 10km
5.4mb (18 obs.) 4.9Msz (3 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 08:35: 9.8 0.8
Lat 4.73N 0.08 Lon 32.41W 0.06
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.93	0	264
N	1.06	0	174
P	-7.98	90	180

Best Double Couple:Mo=7.5*10**16

	Strike=	Dip=	Slip=
NP1:	354	45	-90
NP2:	174	45	-90

16 10 51 16.52 4.630N 32.664W 10km
5.4mb (50 obs.) 5.4Msz (12 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 45C
Centroid Location:
Origin Time 10:51:26.8 0.3
Lat 4.89N 0.04 Lon 32.31W 0.03
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.37	6	267
N	0.14	2	177
P	-3.51	84	68

Best Double Couple:Mo=3.4*10**17

	Strike=	Dip=	Slip=
NP1:	0	39	-87
NP2:	176	51	-93

16 19 48 14.69 21.039S 178.942W 610km
5.7mb (57 obs.)

FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 48C
Centroid Locatian:
Origin Time 19:48:22.9 0.2
Lat 20.79S 0.02 Lon 179.18W 0.02
Dep 600.8 1.3 Half-duration 5.1
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.43	21	78
N	0.98	30	182
P	-3.41	51	319

Best Double Couple:Mo=2.9*10**18
NP1:Strike=127 Dip=36 Slip=-150
NP2: 12 73 -58

17 04 55 26.77 30.644S 71.683W 44km
4.9mb (14 obs.) 4.8Msz (1 obs.)
NEAR COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 20C
Centroid Location:
Origin Time 04:55:28.8 0.8
Lat 30.92S 0.12 Lon 71.85W 0.13
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.44	68	90
N	1.73	2	355
P	-8.17	22	265

Best Double Couple:Mo=7.3*10**16
NP1:Strike=351 Dip=23 Slip= 85
NP2: 176 67 92

18 02 01 27.13 21.538S 178.955W 580km
5.2mb (36 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 31C
Centroid Location:
Origin Time 02:01:34.9 0.6
Lat 21.23S 0.05 Lon 179.40W 0.05
Dep 603.5 3.0 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.48	22	123
N	0.33	16	220
P	-1.81	62	344

Best Double Couple:Mo=1.6*10**17
NP1:Strike=185 Dip=27 Slip=-128
NP2: 47 69 -73

18 12 33 52.16 23.834S 179.944E 524km
5.8mb (50 obs.)
SOUTH OF FIJI ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=190 Dip=82 Slip= 90
NP2: 10 8 90
Principal Axes:

	Plg=	Azm=
T	53	100
P	37	280

Comment: The facal 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 5.2±1.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 548 No. of sta: 13
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.60	50	75
N	-0.06	16	185
P	-1.54	35	286

Best Double Couple:Mo=1.6*10**18
NP1:Strike= 67 Dip=18 Slip= 154
NP2: 182 82 74
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 30C
Centroid Locatian:
Origin Time 12:34: 1.2 0.3
Lat 23.87S 0.03 Lon 179.79E 0.02
Dep 547.9 1.3 Half-duration 3.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	9.72	48	85
N	1.73	18	196
P	-11.45	36	300

Best Double Couple:Mo=1.1*10**18
NP1:Strike= 85 Dip=19 Slip= 160
NP2: 194 84 72

19 00 08 19.65 31.310S 177.815W 11km
5.6mb (17 obs.) 5.9Msz (27 obs.)
KERMADEC ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 15 Dip=70 Slip= 90
NP2: 195 20 90
Principal Axes:

	Plg=	Azm=
T	65	285
P	25	105

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 10 No. of sta: 14
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.27	59	254
N	-0.26	20	20
P	-6.01	23	119

Best Double Couple:Mo=6.1*10**17
NP1:Strike=242 Dip=28 Slip= 135
NP2: 13 71 69
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 39C
Centroid Location:
Origin Time 00:08:27.4 0.4
Lat 31.36S 0.03 Lan 177.54W 0.04
Dep 19.7 1.6 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.82	71	271
N	1.43	5	16
P	-7.25	18	108

Best Double Couple:Mo=6.5*10**17
NP1:Strike=206 Dip=28 Slip= 101
NP2: 14 63 84

19 07 03 59.31 31.521S 177.763W 61km
5.2mb (8 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 22C
Centroid Location:
Origin Time 07:04: 1.5 1.9
Lat 31.15S 0.12 Lon 177.66W 0.14
Dep 40.9 7.2 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.48	62	220
N	0.95	26	17
P	-5.43	10	112

Best Double Couple:Mo=4.9*10**16
NP1:Strike=230 Dip=42 Slip= 131
NP2: 0 60 59

19 14 48 56.70 17.858N 105.228W 10km
5.1mb (10 obs.) 5.4Msz (7 obs.)
OFF COAST OF JALISCO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 39C
Centroid Location:
Origin Time 14:49: 2.1 0.4
Lat 17.99N 0.04 Lon 105.47W 0.04
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.40	6	82
N	-0.47	84	254
P	-4.93	1	352

Best Double Couple:Mo=5.2*10**17
NP1:Strike=127 Dip=85 Slip= 176
NP2: 217 86 5

20 06 53 33.06 2.968N 126.400E 94km
4.9mb (15 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 35C
Centroid Locatian:
Origin Time 06:53:32.5 0.4
Lat 3.07N 0.05 Lon 126.43E 0.06
Dep 33.3 3.2 Half-durotion 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.58	61	308
N	0.24	12	195
P	-1.82	26	99

Best Double Couple:Mo=1.7*10**17
NP1:Strike=163 Dip=22 Slip= 56
NP2: 19 72 103

20 08 08 51.09 9.259S 79.033W 63km
5.8mb (55 obs.)
OFF COAST OF NORTHERN PERU
RADIATED ENERGY
No. of sta: 4 Focal mech. C
Energy 1.2±0.6*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 42C
Centroid Locatian:
Origin Time 08:08:56.4 0.3
Lat 9.43S 0.03 Lon 79.16W 0.04
Dep 63.1 2.3 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.14	5	240
N	-0.07	4	150
P	-3.07	83	24

Best Double Couple:Mo=3.1*10**17
NP1:Strike=335 Dip=40 Slip= -84
NP2: 147 51 -95

20 22 59 54.07 57.166N 121.976E 26km
6.1mb (65 obs.) 6.5Msz (21 obs.)
EASTERN USSR
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=129 Dip=75 Slip= 90
NP2: 309 15 90
Principal Axes:

	Plg=	Azm=
T	60	39
P	30	219

Camment: The focal mechanism is paorly cantrolled and corresponds ta reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 0.6±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 22 No. af sta: 18
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.74	53	22
N	0.34	16	134
P	-3.08	32	234

Best Double Couple:Mo=2.9*10**18
NP1:Strike= 7 Dip=19 Slip= 145
NP2: 131 79 74
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 44C M.W.: 13S, 23C
Centraid Locatian:
Origin Time 23:00: 1.4 0.2
Lat 57.03N 0.01 Lon 121.23E 0.04
Dep 48.3 1.8 Half-duration 5.0
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	3.25	30	329
N	-0.32	54	113
P	-2.93	17	229

Best Double Couple:Mo=3.1*10**18
NP1:Strike= 6 Dip=56 Slip= 170
NP2: 101 82 35
GEOSCOPE MOMENT TENSOR (PAR)
Dep 25.0 Half-duratian 7.0
Best Double Couple:Ma=5.0*10**18
NP1:Strike=115 Dip=86 Slip= 68
NP2: 14 23 168

21 20 36 04.23 13.302N 144.381E 115km
5.2mb (25 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 26C
Centraid Locatian:
Origin Time 20:36: 8.6 0.4
Lat 13.19N 0.04 Lan 144.04E 0.06
Dep 107.2 3.1 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	12.32	1	210
N	1.48	50	301

P -13.80 39 119
Best Double Cauple:Mo=1.3•10••17
NP1:Strike=262 Dip=62 Slip=-150
NP2: 157 64 -31

22 04 48 30.85 35.576S 102.935W 10km
5.0mb (10 obs.) 4.8Msz (2 obs.)
SOUTHERN PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 42C
Centroid Location:
Origin Time 04:48:35.5 0.3
Lat 36.05S 0.04 Lon 102.82W 0.04
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10••17 Nm
T Val= 2.21 Plg= 8 Azm= 53
N -0.60 76 290
P -1.61 12 145
Best Double Couple:Mo=1.9•10••17
NP1:Strike=189 Dip=76 Slip= -3
NP2: 279 87 -166

23 15 22 34.17 44.958N 150.238E 89km
4.9mb (43 obs.)
KURIL ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 29C
Centroid Location:
Origin Time 15:22:32.5 0.7
Lat 45.37N 0.05 Lon 150.65E 0.09
Dep 44.2 4.7 Half-duration 1.5
Principal Axes:
Scale 10••16 Nm
T Val= 6.10 Plg=72 Azm=257
N 0.36 13 35
P -6.46 12 128
Best Double Couple Mo=6.3•10••16
NP1:Strike=235 Dip=35 Slip= 114
NP2: 27 58 74

23 19 21 06.47 66.960N 156.289W 6km
5.7mb (65 obs.) 5.1Msz (16 obs)
ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 37C
Centroid Location:
Origin Time 19.21:10.4 0.3
Lat 67.30N 0.05 Lon 157.02W 0.08
Dep 15.0 BDY Half-duration 2.1
Principal Axes:
Scale 10••17 Nm
T Val= 1.96 Plg= 6 Azm=258
N -0.29 3 348
P -1.67 83 104
Best Double Couple.Mo=1.8•10••17
NP1:Strike=345 Dip=39 Slip= -95
NP2: 171 51 -86

24 20 32 55.84 17.484S 167.835E 28km
5.1mb (3 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 20:32:59.7 1.4
Lat 17.49S 0.14 Lon 167.75E 0.14
Dep 37.3 9.4 Half-duration 1.5
Principal Axes:
Scale 10••16 Nm
T Val= 6.12 Plg=74 Azm= 40
N -0.86 7 157
P -5.26 14 249
Best Double Couple:Mo=5.7•10••16
NP1:Strike=350 Dip=32 Slip= 104
NP2: 153 60 81

24 20 41 11.54 17.398S 167.826E 34km
5.3mb (16 obs.) 5.5Msz (19 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 37C
Centroid Location:
Origin Time 20:41:15.7 0.4
Lat 17.44S 0.03 Lon 167.60E 0.03
Dep 27.7 1.8 Half-duration 3.1
Principal Axes:
Scale 10••17 Nm
T Val= 5.41 Plg=68 Azm= 37
N 0.75 18 179
P -6.16 13 273
Best Double Couple:Mo=5.8•10••17
NP1:Strike= 26 Dip=36 Slip= 122
NP2: 168 60 69

25 00 31 38.67 25.499S 179.653E 497km
5.0mb (27 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Location:
Origin Time 00:31:49.0 1.0
Lat 25.38S 0.08 Lon 179.27E 0.09
Dep 520.3 3.5 Half-duration 1.8
Principal Axes:
Scale 10••16 Nm
T Val= 11.07 Plg=42 Azm= 62
N 1.04 35 192
P -12.11 28 303
Best Double Couple:Mo=1.2•10••17
NP1:Strike= 84 Dip=36 Slip= 166
NP2: 186 82 55

25 02 13 20.83 30.048N 99.419E 8km
6.2mb (84 obs.) 6.0Msz (16 obs.)
SICHUAN PROVINCE, CHINA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 75 Dip=45 Slip= -90
NP2: 255 45 -90
Principal Axes:
T Plg= 0 Azm=165
P 90 0
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 5.1±0.7•10••13 Nm
MOMENT TENSOR SOLUTION
Dep 7 No. of sta: 15
Principal Axes:
Scale 10••18 Nm
T Val= 1.92 Plg=12 Azm=338
N -0.24 21 73
P -1.68 65 221
Best Double Couple:Mo=1.8•10••18
NP1:Strike= 43 Dip=38 Slip=-126
NP2: 266 60 -65
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 34C M.W.: 15S, 24C
Centroid Location:
Origin Time 02:13:31.2 0.1
Lat 29.90N 0.02 Lon 99.41E 0.03
Dep 15.0 BDY Half-duration 4.6
Principal Axes:
Scale 10••18 Nm
T Val= 1.85 Plg= 7 Azm=172
N -0.11 16 264
P -1.75 73 59
Best Double Couple:Mo=1.8•10••18
NP1:Strike=245 Dip=40 Slip=-114
NP2: 96 54 -71

25 03 11 17.46 17.420S 167.776E 15km
5.0mb (7 obs.) 4.8Msz (1 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 03:11:21.8 1.0
Lat 17.23S 0.08 Lon 167.69E 0.10
Dep 20.4 4.4 Half-duration 2.4
Principal Axes:
Scale 10••17 Nm
T Val= 3.00 Plg=62 Azm= 9
N -0.62 27 174
P -2.37 6 267
Best Double Couple:Mo=2.7•10••17
NP1:Strike= 24 Dip=46 Slip= 129
NP2: 155 56 57

25 05 13 34.07 5.108S 143.501E 110km
5.5mb (43 obs.)
PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 38C
Centroid Location:
Origin Time 05:13:39.6 0.3
Lat 5.15S 0.03 Lon 143.26E 0.03
Dep 105.9 2.3 Half-duration 3.0
Principal Axes:
Scale 10••17 Nm
T Val= 5.60 Plg=11 Azm=249
N 0.49 59 140
P -6.09 28 345
Best Double Couple:Mo=5.9•10••17
NP1:Strike= 23 Dip=62 Slip= -13
NP2: 120 78 -151

25 06 11 32.28 11.073N 86.761W 46km
4.8mb (8 obs.) 4.5Msz (4 obs.)
NEAR COAST OF NICARAGUA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 15C
Centroid Location:
Origin Time 06:11:25.7 1.3
Lat 11.32N 0.18 Lon 86.00W 0.29
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10••16 Nm
T Val= 11.65 Plg=32 Azm= 73
N -0.20 12 335
P -11.46 55 226
Best Double Couple:Mo=1.2•10••17
NP1:Strike=199 Dip=17 Slip= -45
NP2: 332 78 -103

25 14 29 00.51 16.773N 99.328W 19km
6.2mb (56 obs.) 6.8Msz (29 obs.)
NEAR COAST OF GUERRERO, MEXICO
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=121 Dip=77 Slip= 90
NP2: 301 13 90
Principal Axes:
T Plg=58 Azm= 31
P 32 211
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. C
Energy 2.5±0.8•10••14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 54C M.W.: 16S, 32C
Centroid Location:
Origin Time 14:29: 5.9 0.1
Lat 16.83N 0.01 Lon 99.12W 0.01
Dep 15.0 BDY Half-duration 9.0
Principal Axes:
Scale 10••19 Nm
T Val= 2.40 Plg=54 Azm= 36
N -0.03 4 300
P -2.38 36 207
Best Double Couple:Mo=2.4•10••19
NP1:Strike=276 Dip=10 Slip= 66
NP2: 121 81 94
GEOSCOPE MOMENT TENSOR (PAR)
Dep 15.0 Half-duration 20.0
Best Double Couple:Mo=2.6•10••19
NP1:Strike=164 Dip=83 Slip= 101
NP2: -73 13 33

27 02 20 04.74 30.601N 140.589E 85km
6.1mb (86 obs.)
SOUTH OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=178 Dip=87 Slip= 106
NP2: 278 16 11
Principal Axes:
T Plg=46 Azm=104
P 40 253
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate left-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. C
Energy 5.1±1.7•10••13 Nm
MOMENT TENSOR SOLUTION
Dep 91 No. of sta: 14
Principal Axes:

Scale 10**18 Nm
T Val= 1.57 Plg=51 Azm= 89
N 0.16 15 340
P -1.73 35 239
Best Double Couple:Mo=1.7*10**18
NP1:Strike=279 Dip=17 Slip= 28
NP2: 162 82 105
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 45C M.W.: 11S, 16C
Centroid Location:
Origin Time 02:20: 7.4 0.1
Lat 30.48N 0.01 Lon 140.41E 0.01
Dep 78.0 1.3 Half-duration 5.3
Principal Axes:
Scale 10**18 Nm
T Val= 3.25 Plg=56 Azm=109
N -0.27 3 203
P -2.98 34 295
Best Double Couple:Mo=3.1*10**18
NP1:Strike= 37 Dip=12 Slip= 104
NP2: 203 79 87

27 09 34 58.64 23.950S 179.764W 524km
5.1mb (28 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 19C
Centroid Location:
Origin Time 09:35: 9.6 1.4
Lat 23.79S 0.15 Lon 179.75E 0.14
Dep 543.8 6.4 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 8.77 Plg= 1 Azm= 8
N -1.31 44 99
P -7.46 46 277
Best Double Couple:Mo=8.1*10**16
NP1:Strike= 63 Dip=59 Slip=-145
NP2: 313 60 -37

27 10 39 36.98 56.419N 164.122E 33km
4.9mb (12 obs.) 4.8Msz (3 obs.)
KOMANDORSKY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 32C
Centroid Location:
Origin Time 10:39:40.6 0.4
Lat 56.53N 0.05 Lon 164.14E 0.09
Dep 34.8 5.4 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 12.77 Plg=28 Azm=242
N -1.90 59 37
P -10.87 11 146
Best Double Couple:Mo=1.2*10**17
NP1:Strike=281 Dip=62 Slip= 167
NP2: 17 79 29

27 23 06 52.24 37.027N 28.180E 14km
5.3mb (44 obs.) 5.0Msz (7 obs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 21C
Centroid Location:
Origin Time 23:06:55.3 0.6
Lat 36.71N 0.05 Lon 27.75E 0.08
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.26 Plg= 9 Azm= 4
N -0.53 2 95
P -1.73 81 200
Best Double Couple:Mo=2.0*10**17
NP1:Strike= 92 Dip=36 Slip= -94
NP2: 276 54 -87

28 02 34 25.31 17.830N 105.174W 10km
5.3mb (20 obs.) 5.2Msz (6 obs.)
OFF COAST OF JALISCO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 37C
Centroid Location:
Origin Time 02:34:27.1 0.3
Lat 17.96N 0.04 Lon 105.22W 0.04
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.28 Plg= 7 Azm=246
N -0.08 72 357
P -3.19 17 153
Best Double Couple:Mo=3.2*10**17
NP1:Strike=291 Dip=73 Slip=-173
NP2: 198 83 -17

28 07 48 19.63 13.245N 89.675W 59km
5.2mb (44 obs.)
EL SALVADOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 28C
Centroid Location:
Origin Time 07:48:17.8 0.6
Lat 12.81N 0.09 Lon 90.10W 0.10
Dep 29.5 4.6 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 8.03 Plg= 9 Azm=216
N 0.58 17 123
P -8.61 71 334
Best Double Couple:Mo=8.3*10**16
NP1:Strike=326 Dip=39 Slip= -62
NP2: 112 56 -110

28 09 13 46.23 20.163S 67.478E 10km
5.2mb (11 obs.) 4.9Msz (1 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 25C
Centroid Location:
Origin Time 09:13:54.8 0.7
Lat 20.30S 0.10 Lon 67.12E 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.35 Plg=10 Azm= 9
N 3.25 69 251
P -8.60 18 102
Best Double Couple:Mo=7.0*10**16
NP1:Strike=145 Dip=70 Slip= -6
NP2: 237 85 -160

28 09 23 07.34 16.606S 173.645W 93km
5.4mb (24 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centroid Location:
Origin Time 09:23:14.2 0.7
Lat 16.52S 0.12 Lon 173.69W 0.08
Dep 91.1 3.4 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.21 Plg= 7 Azm=226
N -0.97 38 130
P -8.23 51 325
Best Double Couple:Mo=8.7*10**16
NP1:Strike=351 Dip=50 Slip= -37
NP2: 107 63 -134

28 13 30 19.24 37.004N 28.139E 17km
5.1mb (39 obs.) 5.1Msz (4 obs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 28C
Centroid Location:
Origin Time 13:30:22.8 0.5
Lat 36.95N 0.04 Lon 27.79E 0.06
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.55 Plg= 4 Azm= 8
N -0.39 7 99
P -2.16 81 249
Best Double Couple:Mo=2.4*10**17
NP1:Strike= 90 Dip=41 Slip=-101
NP2: 285 50 -80

28 17 38 26.42 4.354S 101.413E 27km
5.4mb (25 obs.) 5.8Msz (30 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 42C
Centroid Location:
Origin Time 17:38:29.0 0.4
Lat 4.75S 0.04 Lon 101.12E 0.05
Dep 15.0 BDY Half-duration 3.9
Principal Axes:
Scale 10**18 Nm
T Val= 1.23 Plg=50 Azm= 40
N 0.10 3 306
P -1.33 40 214
Best Double Couple:Mo=1.3*10**18
NP1:Strike=277 Dip= 6 Slip= 61
NP2: 127 85 93

28 20 08 51.59 4.294S 101.363E 30km
5.2mb (21 obs.) 5.6Msz (17 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 38C
Centroid Location:
Origin Time 20:08:55.6 0.7
Lat 4.86S 0.06 Lon 101.18E 0.07
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**17 Nm
T Val= 3.58 Plg=62 Azm= 18
N 0.80 5 118
P -4.38 27 211
Best Double Couple:Mo=4.0*10**17
NP1:Strike=315 Dip=19 Slip= 107
NP2: 116 72 84

28 20 26 17.94 59.515S 29.397W 22km
5.5mb (10 obs.) 5.7Msz (2 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 38C
Centroid Location:
Origin Time 20:26:25.7 0.2
Lat 59.47S 0.03 Lon 29.54W 0.06
Dep 15.0 FIX Half-duration 3.8
Principal Axes:
Scale 10**17 Nm
T Val= 11.52 Plg= 6 Azm=290
N 0.25 83 136
P -11.77 3 21
Best Double Couple:Mo=1.2*10**18
NP1:Strike= 66 Dip=84 Slip= 2
NP2: 335 88 174

28 21 09 57.66 4.210S 101.370E 32km
5.4mb (27 obs.) 5.7Msz (21 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 21:10: 4.4 1.0
Lat 4.21S FIX;Lon 101.39E FIX
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**18 Nm
T Val= 1.40 Plg=50 Azm= 34
N 0.12 2 126
P -1.52 40 217
Best Double Couple:Mo=1.5*10**18
NP1:Strike=324 Dip= 5 Slip= 108
NP2: 126 85 88

29 01 03 06.85 5.494S 102.976E 38km
5.4mb (26 obs.) 5.1Msz (13 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 24C
Centroid Location:
Origin Time 01:03:10.3 0.7
Lat 5.47S FIX;Lon 102.99E FIX
Dep 33.2 6.5 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.67 Plg=61 Azm=133
N 1.04 29 326
P -8.71 6 233
Best Double Couple:Mo=8.2*10**16
NP1:Strike=295 Dip=47 Slip= 49
NP2: 167 57 125

29 06 25 39.12 57.190N 122.069E 30km
5.3mb (47 obs.) 5.1Msz (10 obs.)
EASTERN USSR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 28C
Centroid Location:
Origin Time 06:25:43.9 0.4
Lat 57.13N 0.04 Lon 121.80E 0.10

Dep 45.9 4.7 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.62 Plg=10 Azm=137
N -0.19 73 261
P -1.43 14 45
Best Double Couple:Mo=1.5*10**17
NP1:Strike=182 Dip=73 Slip=-177
NP2: 91 87 -17

29 15 12 02.42 51.786N 175.226W 33km
5.1mb (42 obs.) 4.3Msz (6 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 30C
Centroid Location:
Origin Time 15:12: 9.7 1.1
Lat 52.17N 0.11 Lon 175.19W 0.13
Dep 45.7 6.9 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 3.80 Plg=65 Azm=282
N -0.11 15 47
P -3.69 19 142
Best Double Couple:Mo=3.8*10**16
NP1:Strike=255 Dip=29 Slip= 122
NP2: 40 66 74

30 08 22 54.01 10.960N 68.325W 20km
5.9mb (62 obs.) 6.0Msz (31 obs.)
NEAR COAST OF VENEZUELA
RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 4.3±1.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 10
Principal Axes:
Scale 10**17 Nm
T Val= 8.30 Plg=53 Azm=231
N -0.38 30 10
P -7.91 20 112
Best Double Couple:Mo=8.1*10**17
NP1:Strike=242 Dip=36 Slip= 147
NP2: 359 71 58
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 46C
Centroid Location:
Origin Time 08:22:59.9 0.3
Lat 10.88N 0.04 Lon 68.08W 0.03
Dep 15.0 FIX Half-duration 3.7
Principal Axes:
Scale 10**17 Nm
T Val= 9.10 Plg=12 Azm=121
N 1.45 59 232
P -10.56 28 25
Best Double Couple:Mo=9.8*10**17
NP1:Strike=166 Dip=62 Slip=-168
NP2: 70 79 -29

30 15 33 52.73 17.912S 178.665W 570km
5.4mb (46 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 41C
Centroid Location:
Origin Time 15:34: 4.9 0.4
Lat 17.67S 0.03 Lon 179.15W 0.03
Dep 591.2 1.3 Half-duration 4.0
Principal Axes:
Scale 10**17 Nm
T Val= 13.01 Plg=22 Azm=340
N 0.06 37 88
P -13.08 45 227
Best Double Couple:Mo=1.3*10**18
NP1:Strike= 25 Dip=40 Slip=-158
NP2: 278 76 -52

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

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

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

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

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

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

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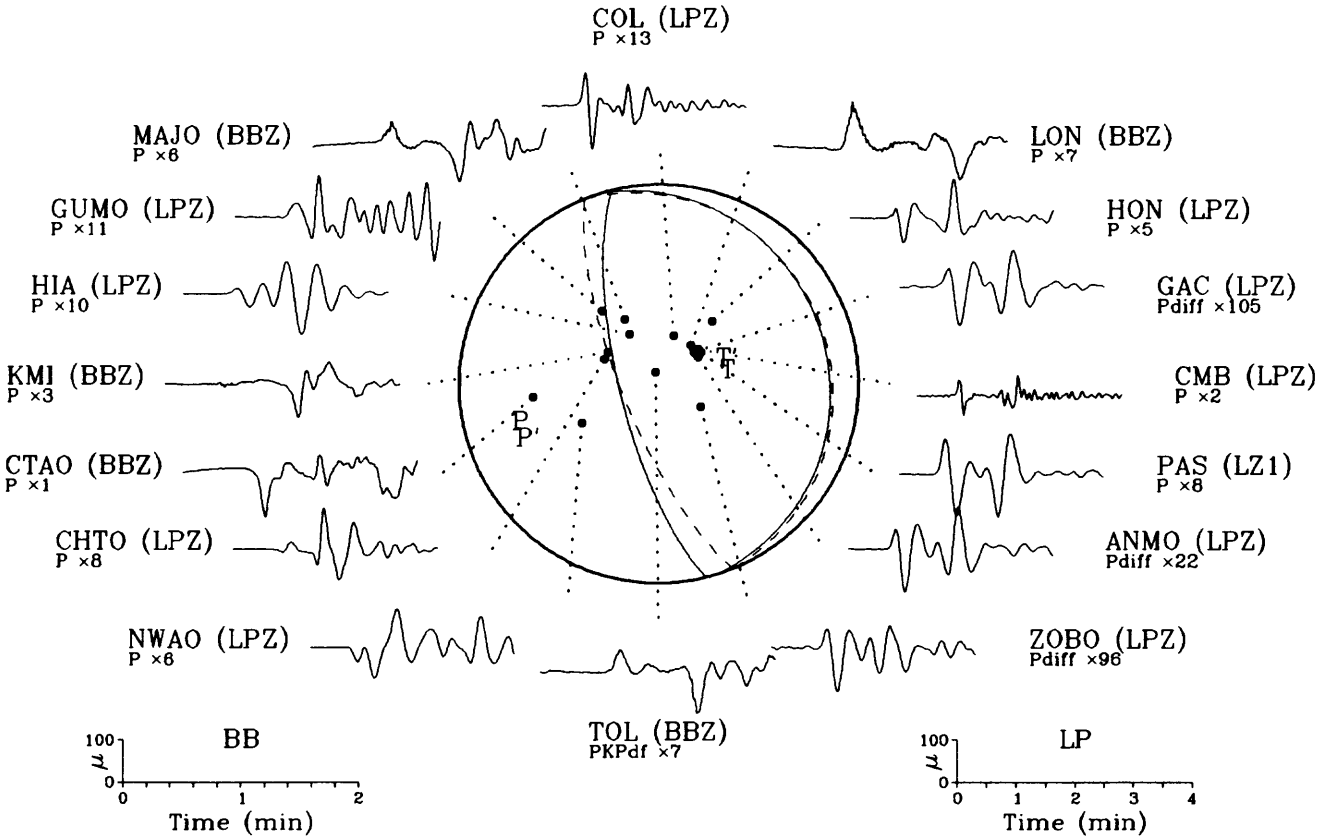
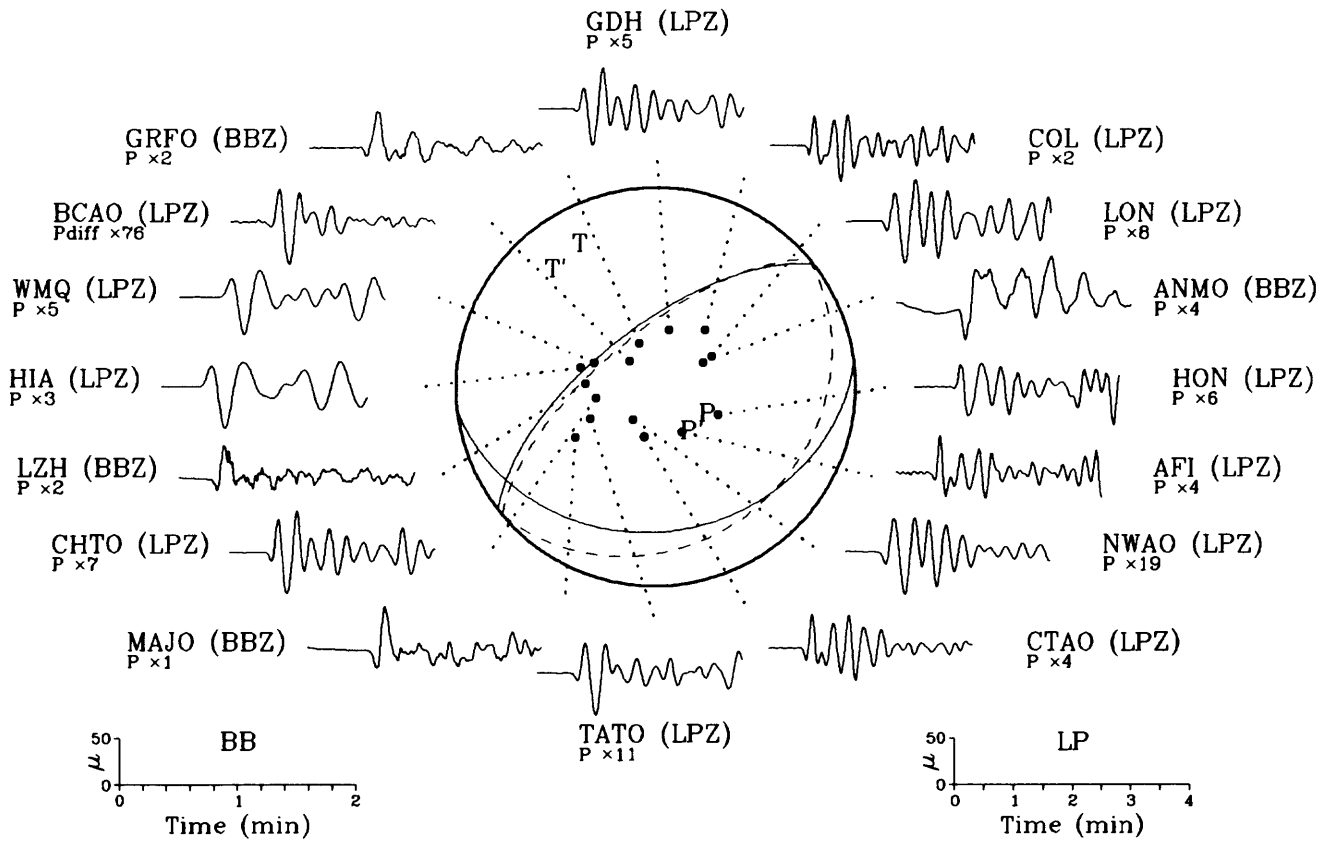
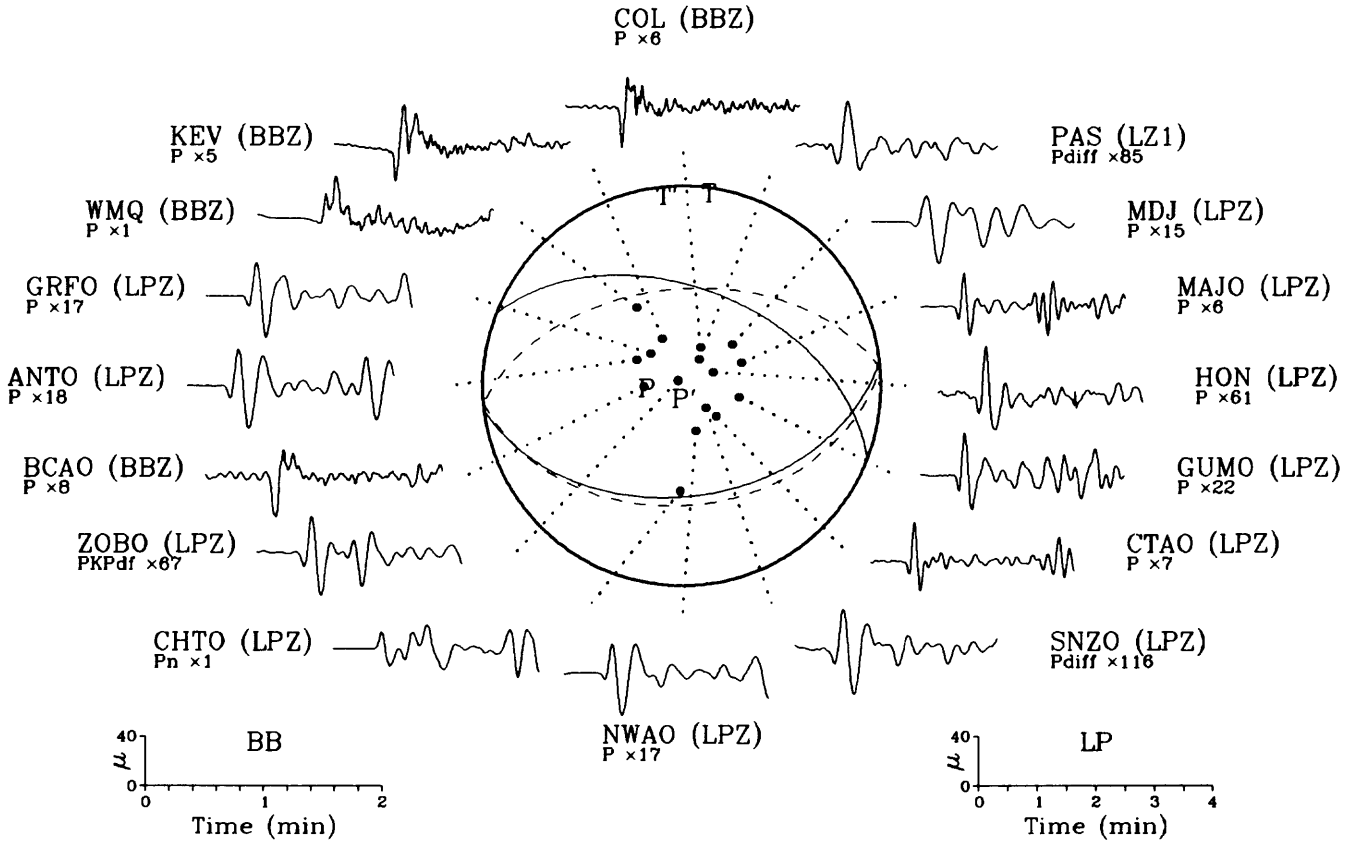
06 April 1989 08:05:57.10
Vanuatu Islands



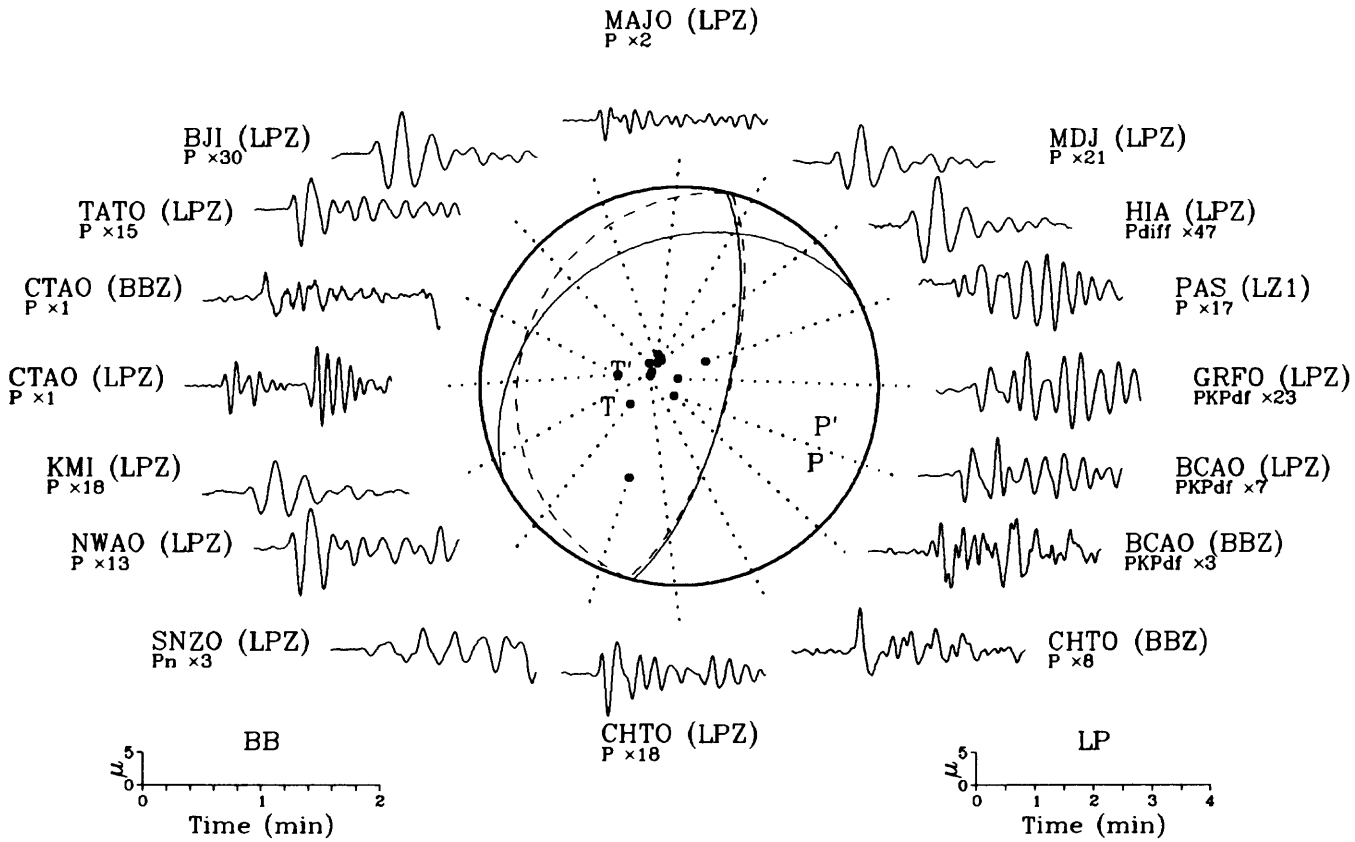
11 April 1989 03:56:36.91
Kuril Islands Region



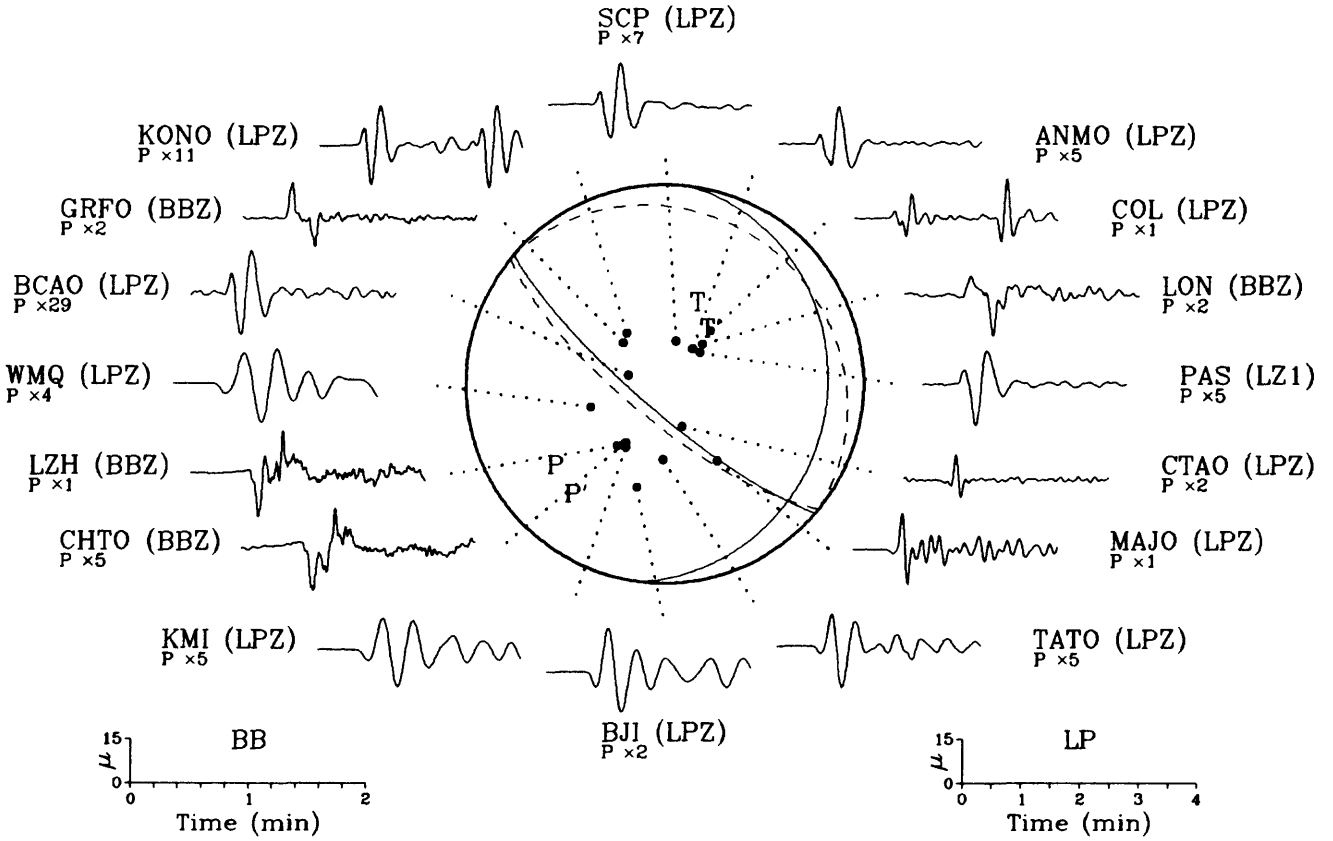
15 April 1989 20:34:08.93
Sichuan Province, China



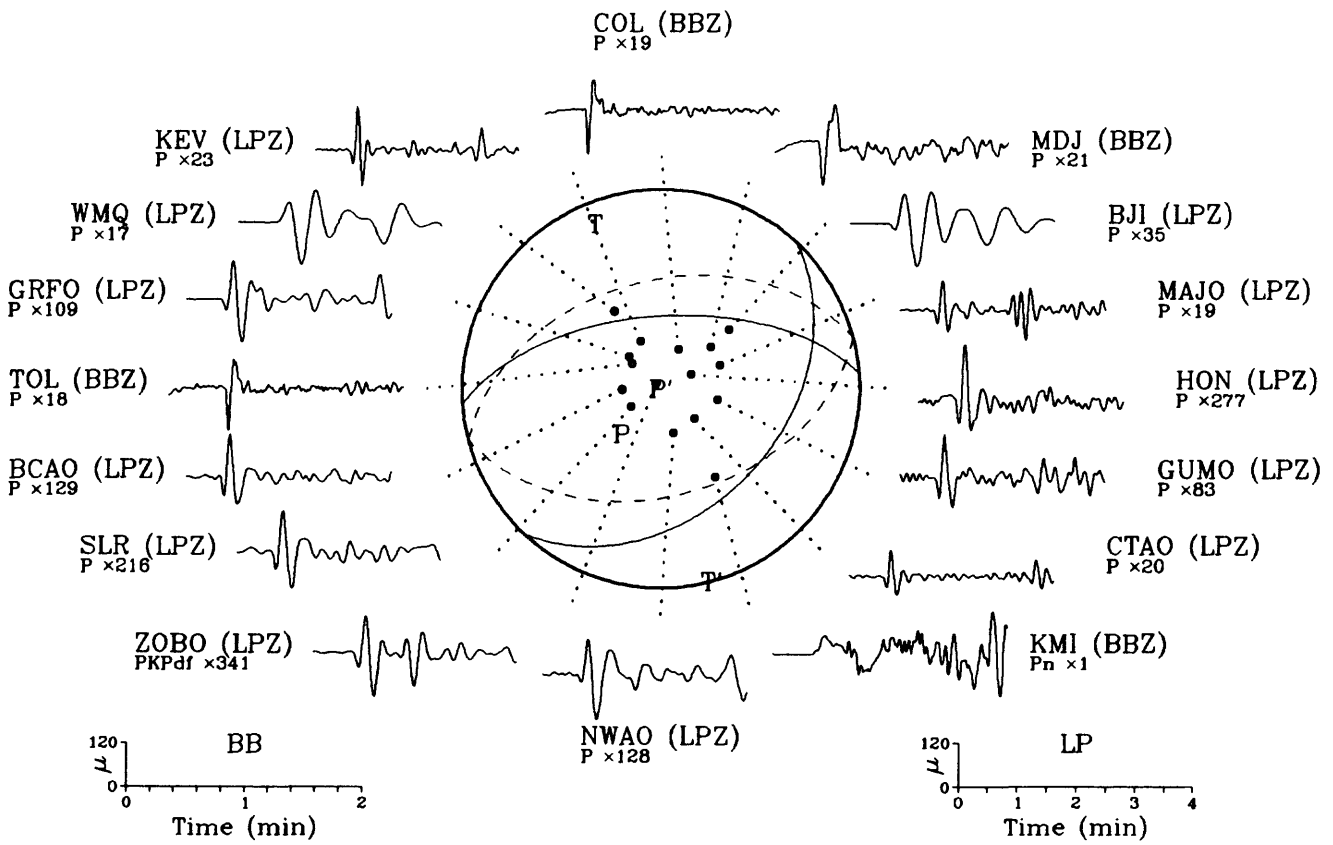
19 April 1989 00:08:19.65
Kermadec Islands Region



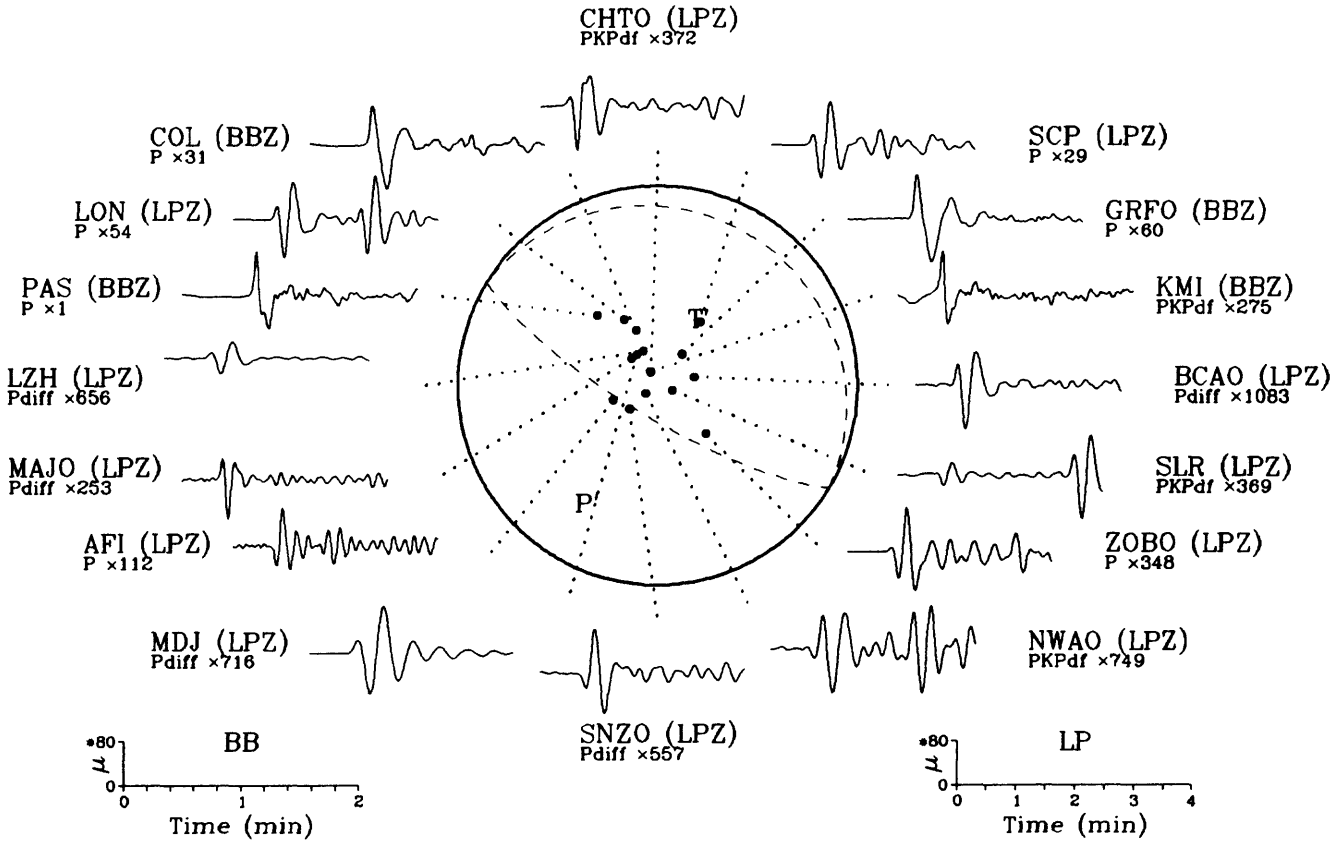
20 April 1989 22:59:54.07
Eastern USSR



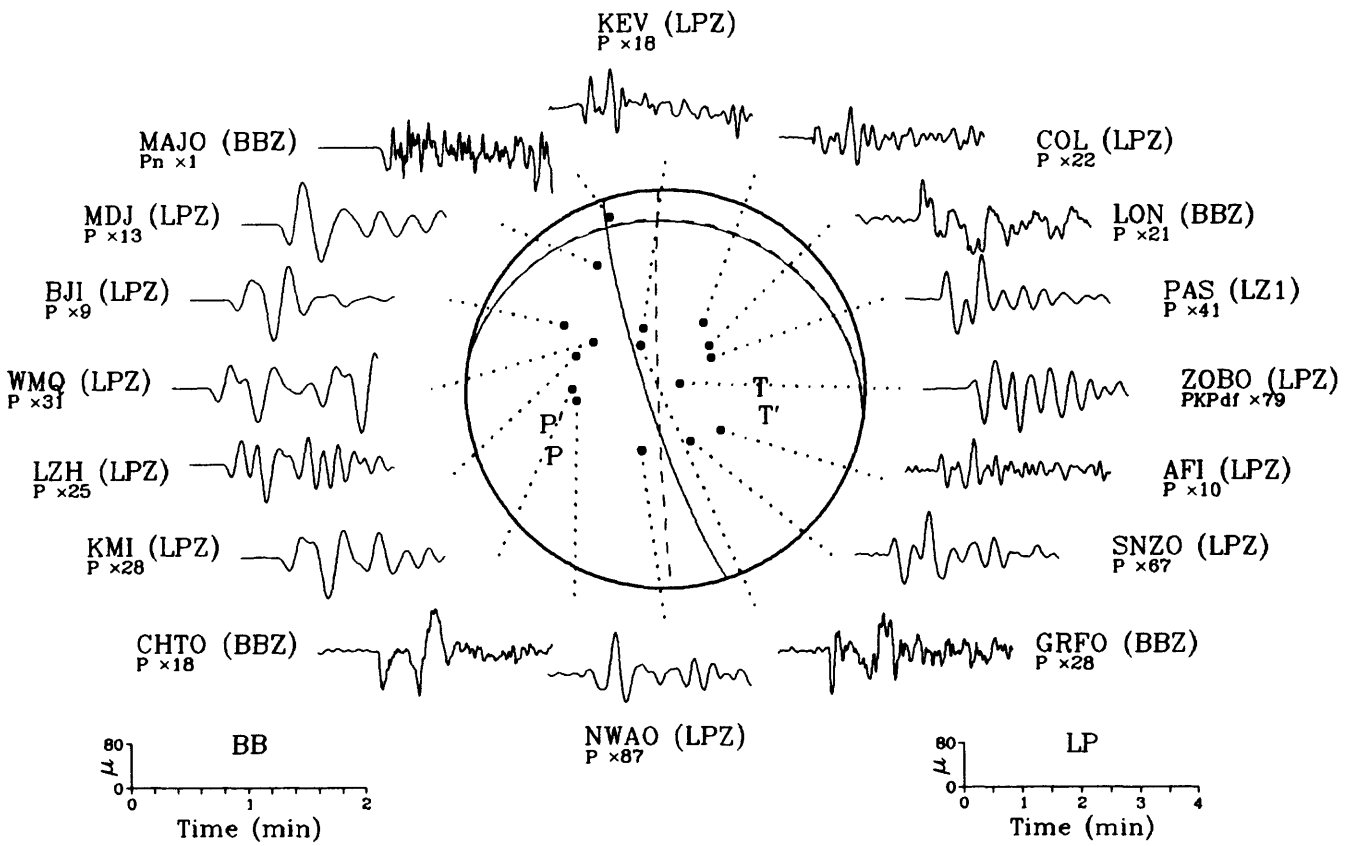
25 April 1989 02:13:20.83
Sichuan Province, China



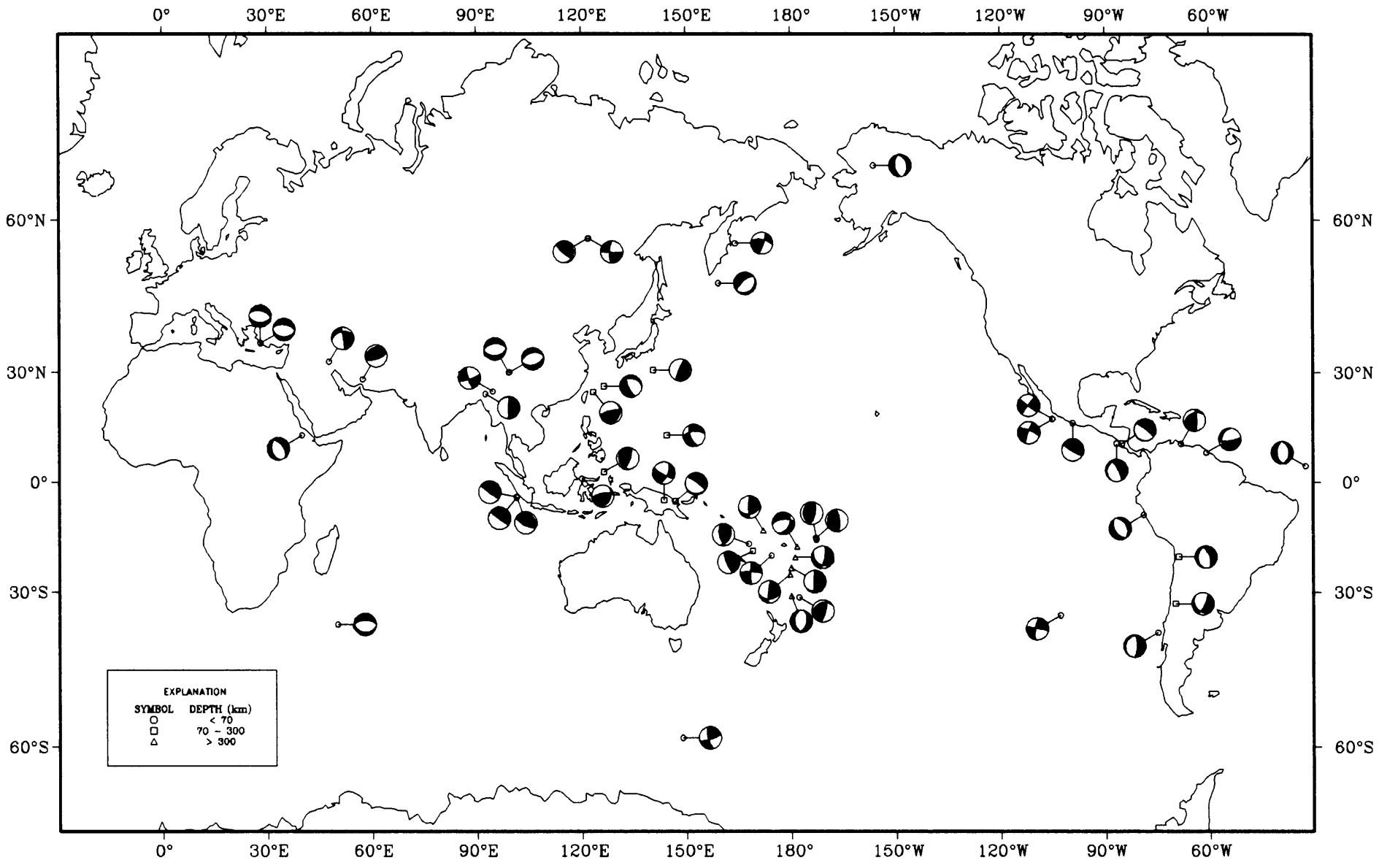
25 April 1989 14:29:00.51
Near Coast of Guerrero, Mexico

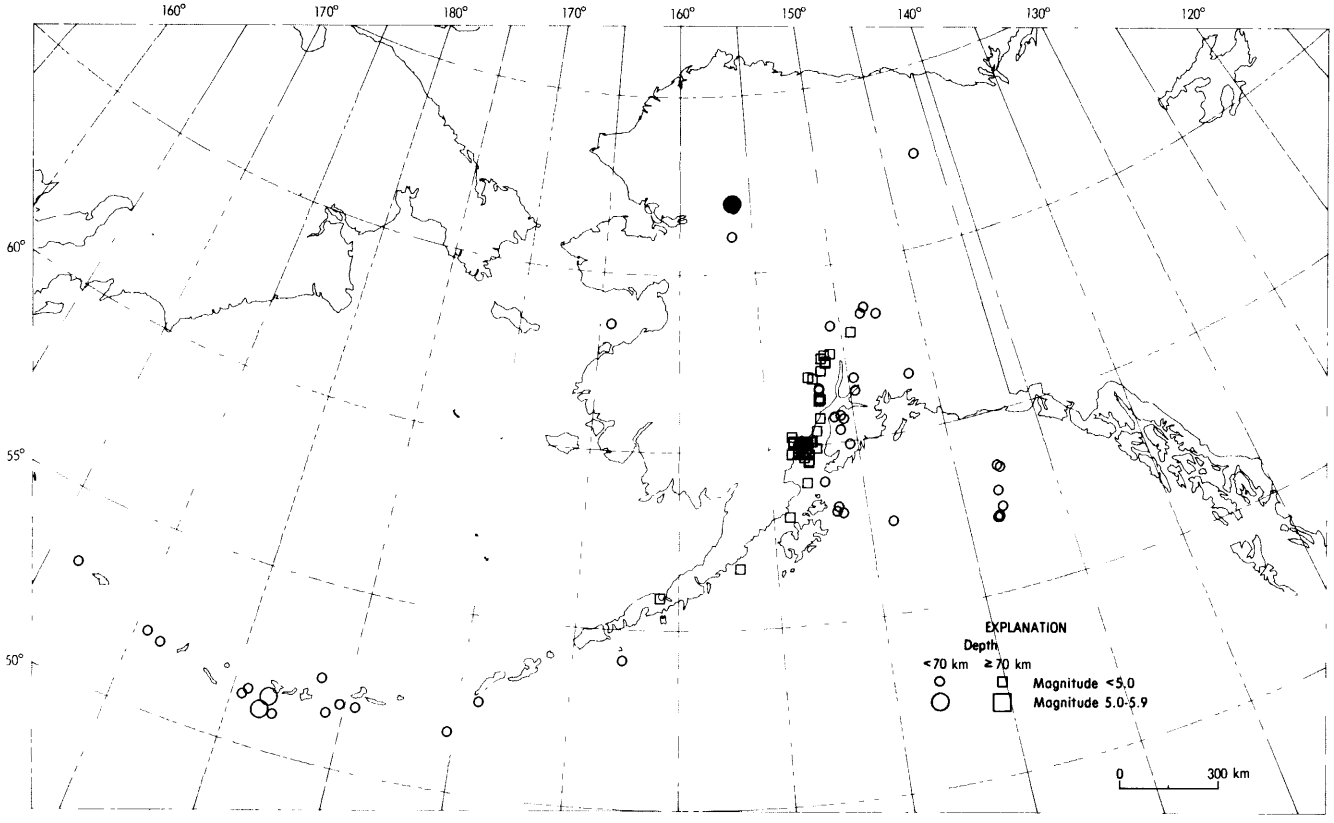


27 April 1989 02:20:04.74
South of Honshu, Japan

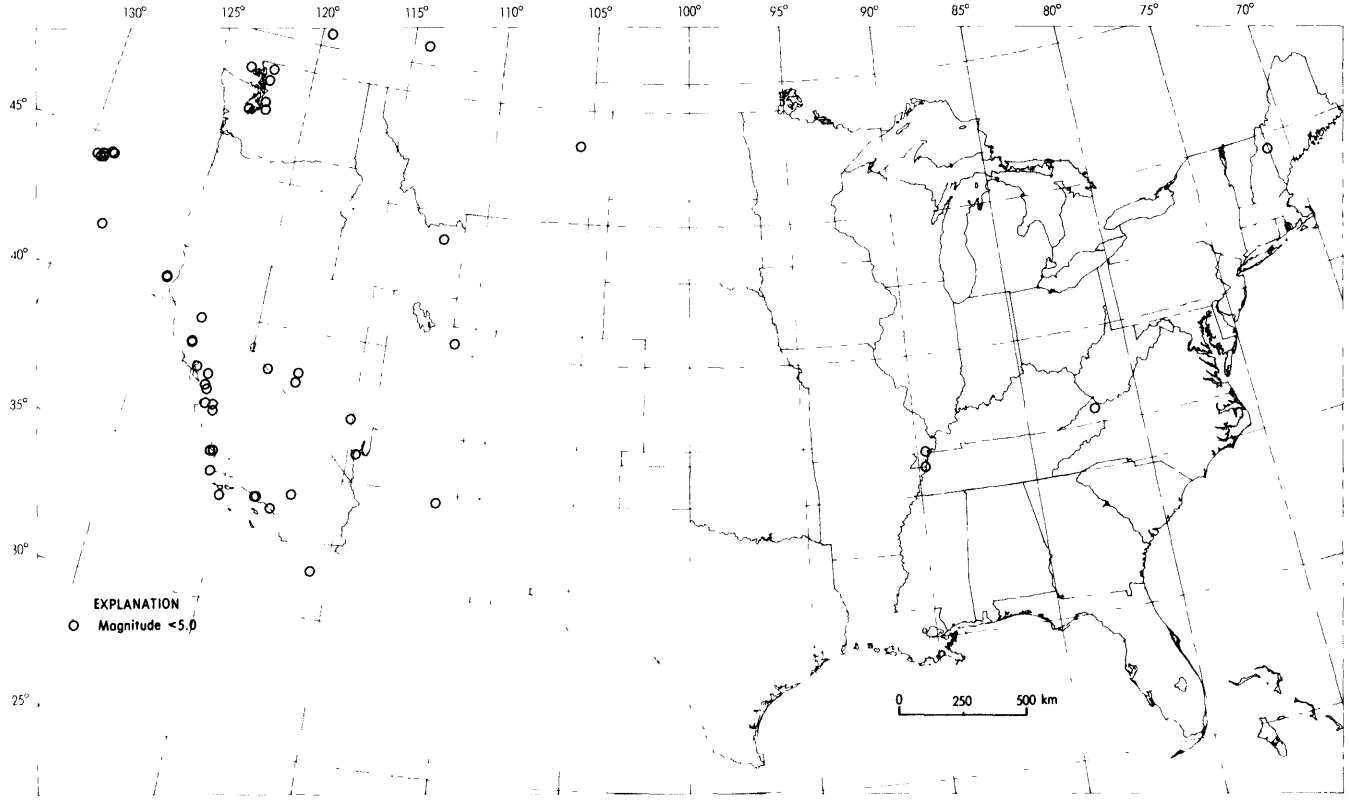


Earthquake Focal Mechanisms for April 1989

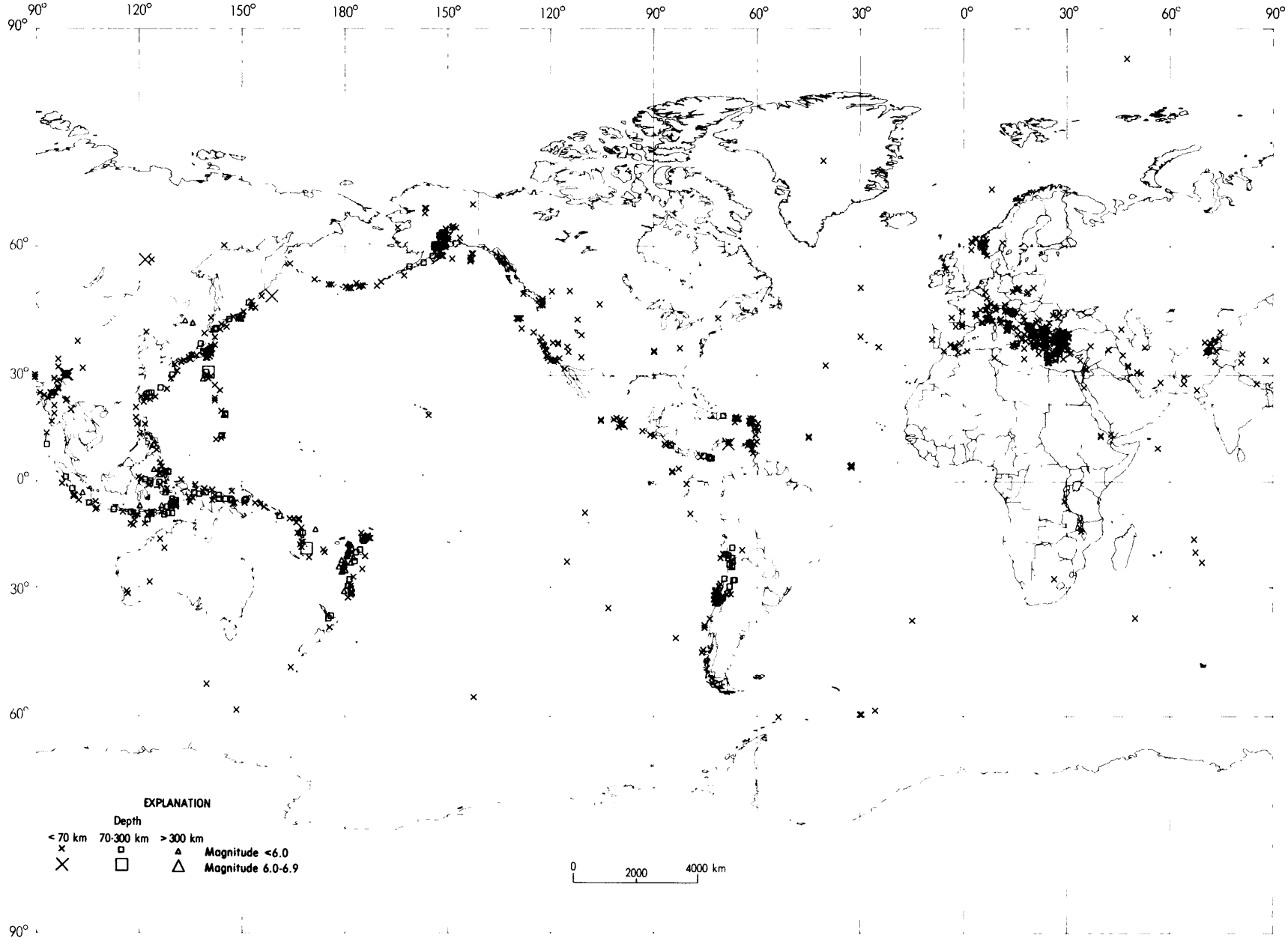




Earthquake epicenters in Alaska and adjacent regions for April, 1989 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for April, 1989 (C. Stover).



Earthquakes located in April, 1989 (C. Stover).

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PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

MAY 1989

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	01	24	42.9	25.694	N	142.785	E	33	N	5.0	4.0	1.1	36	VOLCANO ISLANDS REGION
	01	02	45	08.9?	36.34	N	70.63	E	234	?	4.2		1.0	14	HINDU KUSH REGION
	01	02	46	18.8	63.001	N	150.225	W	33	N			0.4	6	CENTRAL ALASKA. ML 3.0 (PMR).
	01	03	03	10.9?	38.97	N	23.56	E	10	G			0.6	7	GREECE
	01	03	22	44.9	66.980	N	156.383	W	5	G			0.3	17	ALASKA. ML 3.5 (PMR).
	01	03	22	52.8*	50.500	N	18.894	E	10	G			0.5	5	POLAND. ML 3.7 (KRA), 3.3 (VKA).
	01	03	42	57.3&	59.788	N	149.454	W	27					49	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.2 (PMR).
	01	04	19	10.1	39.164	N	21.871	E	24				1.0	16	GREECE. MD 3.4 (ATH).
	01	05	11	40.4	66.906	N	156.228	W	5	G			0.4	18	ALASKA. ML 3.5 (PMR).
	01	05	32	28.2%	39.950	N	23.331	E	10	G			0.1	5	AEGEAN SEA
	01	06	38	28.3*	67.031	N	156.455	W	5	G			0.4	11	ALASKA
	01	07	24	34.4	39.649	N	21.289	E	5	G	3.4		1.4	19	GREECE. MD 3.6 (ATH).
	01	07	27	53.2%	38.917	N	27.591	E	10	G			0.4	5	TURKEY
	01	07	38	10.3?	19.45	N	66.00	W	10	G			0.3	6	PUERTO RICO REGION
	01	07	57	23.0?	44.62	N	7.03	E	10	G			0.1	4	NORTHERN ITALY. ML 1.9 (GEN).
	01	08	39	25.9?	37.19	N	28.03	E	5	G			1.3	5	TURKEY
a	01	08	45	21.6	4.200	S	101.366	E	31	D	5.6	5.6	1.0	235	SOUTHERN SUMATERA
	01	08	54	30.0	9.469	N	84.898	W	33	N			0.5	16	COSTA RICA. MD 4.4 (SJR), 4.3 (HDC). Felt (III) at Jaco and Esterillos; (II) at Orotina.
	01	09	04	46.8?	44.76	N	6.46	E	10	G			0.2	5	FRANCE. ML 2.0 (GEN).
	01	09	36	49.3*	20.285	S	67.045	E	10	G	4.6		0.7	20	MID-INDIAN RISE
	01	09	41	05.2	39.240	N	23.523	E	10	G			0.5	11	AEGEAN SEA. MD 3.0 (ATH).
	01	09	43	01.2?	28.77	N	140.76	E	33	N	4.4		1.2	6	BONIN ISLANDS REGION
	01	10	36	52.0%	37.127	N	28.095	E	10	G			0.4	5	TURKEY
	01	11	34	56.6	37.118	N	27.890	E	10	G			0.8	14	TURKEY
	01	12	27	51.4?	32.08	S	178.83	E	458	?	3.9		0.9	21	SOUTH OF KERMADEC ISLANDS
	01	13	23	05.4%	44.639	N	7.080	E	10	G			0.5	5	NORTHERN ITALY. ML 2.1 (GEN).
	01	13	45	28.5?	61.62	N	4.47	E	10	G			0.7	4	SOUTHERN NORWAY. MD 1.9 (BER).
	01	14	00	10.0?	37.17	N	27.98	E	5	G			1.4	5	TURKEY
	01	14	37	08.4?	18.71	S	172.83	W	33	N	5.1		0.9	9	TONGA ISLANDS REGION
	01	15	33	03.0	66.992	N	156.227	W	5	G	4.1		0.8	28	ALASKA. ML 3.8 (PMR). Felt (IV) at Kabuk.
	01	16	08	18.0%	42.403	N	19.821	E	10	G			0.6	6	YUGOSLAVIA. MD 2.2 (TTG).
	01	16	28	26.9	39.094	N	23.202	E	13				0.5	15	AEGEAN SEA. ML 3.1 (ATH).
	01	16	54	56.6%	44.672	N	7.161	E	10	G			0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
	01	17	34	09.7	29.960	N	99.370	E	10	G	4.9		1.2	15	SICHUAN PROVINCE, CHINA
	01	17	46	00.6	31.592	N	96.679	E	33	N	4.1		0.5	7	TIBET
	01	18	10	19.0*	20.627	S	68.178	W	33	N			0.9	5	CHILE-BOLIVIA BORDER REGION
	01	18	35	05.6&	37.142	N	113.815	W	1					28	UTAH. <SLC-P>. CL 3.7 (SLC). ML 3.5 (NEIS). Felt (V) at St. George and (III) at Santa Clara.
	01	19	04	43.0*	20.350	S	168.102	E	29	D	4.8		1.1	46	LOYALTY ISLANDS
	01	19	06	26.3*	17.141	N	62.337	W	60	?			0.7	9	LEEWARD ISLANDS
	01	20	12	07.9	66.909	N	156.314	W	5	G			0.7	18	ALASKA. ML 3.5 (PMR).
	01	20	16	35.5*	45.077	N	15.106	E	10	G			0.7	8	YUGOSLAVIA. MD 3.2 (LJU), 2.7 (TRI). ML 2.2 (KBA).
	01	21	03	38.6	37.212	N	21.145	E	10	G	4.8		1.4	209	SOUTHERN GREECE. ML 4.6 (ATH), 4.6 (TTG). Felt in southwestern Greece.
	01	21	26	38.6	51.934	N	178.917	E	129	*	4.5		0.9	35	RAT ISLANDS, ALEUTIAN ISLANDS
	01	21	38	57.7?	40.76	N	30.49	E	10	G			1.3	7	TURKEY
	01	22	29	34.0	19.218	N	64.389	W	38	*	4.0		1.1	34	VIRGIN ISLANDS. ML 4.8 (FDF).
	01	22	39	44.2?	4.24	S	101.51	E	33	N	3.9		0.5	10	SOUTHERN SUMATERA
	01	23	14	13.1?	6.89	S	130.59	E	110	?	4.3		1.2	13	BANDA SEA
	01	23	30	51.7%	18.245	N	66.310	W	10	G			0.2	6	PUERTO RICO REGION
	02	00	20	55.5?	50.74	N	179.50	E	33	N	5.1		1.9	13	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
	02	01	06	12.3*	7.238	N	76.371	W	89	*	3.6		0.7	8	NORTHERN COLOMBIA
	02	01	42	12.3	38.406	N	22.890	E	10	G			0.8	21	GREECE. ML 3.2 (ATH).
	02	01	49	50.0	6.436	S	147.622	E	80	*	4.4		1.1	17	EAST PAPUA NEW GUINEA REGION
	02	02	25	10.9%	46.398	N	3.466	E	10	G			0.7	5	FRANCE. ML 1.8 (LDG).
	02	02	30	19.0	3.858	N	126.391	E	33	N	5.1		0.8	69	TALAUD ISLANDS
	02	02	33	30.6	41.737	S	73.589	W	29	D	5.1	4.5	1.0	47	NEAR COAST OF SOUTHERN CHILE

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	02	04	02	42.8	39.141	N	23.287	E	17			0.7	20	AEGEAN SEA. MD 3.1 (ATH).
	02	05	11	01.2	66.945	N	156.160	W	5	G		1.0	22	ALASKA. ML 4.3 (PMR).
	02	05	12	19.6*	45.187	N	28.261	W	10	G	4.3	1.0	15	NORTH ATLANTIC RIDGE
	02	05	22	47.7	45.130	N	28.203	W	10	G	4:6	1.0	69	NORTH ATLANTIC RIDGE
	02	05	40	24.5	66.914	N	156.173	W	5	G		0.3	15	ALASKA. ML 3.5 (PMR).
	02	05	49	36.7*	0.410	N	80.422	W	33	N	4.3	1.0	11	NEAR COAST OF ECUADOR
	02	05	51	35.2?	37.13	N	28.10	E	10	G		1.2	5	TURKEY
	02	06	11	00.5*	45.018	N	28.104	W	10	G	4.5	0.9	26	NORTH ATLANTIC RIDGE
	02	06	25	33.3	45.134	N	28.031	W	10	G	5.0	1.1	179	NORTH ATLANTIC RIDGE
a	02	06	27	28.2	45.060	N	28.141	W	10	G	5.2 5.6	1.1	194	NORTH ATLANTIC RIDGE
	02	06	58	41.3*	26.521	S	67.466	W	139	*	5.1	1.4	21	CATAMARCA PROVINCE, ARGENTINA
	02	07	08	16.8	35.276	N	136.576	E	54		4.7	1.0	52	SOUTHERN HONSHU, JAPAN. Felt (III JMA) at Gifu; (II JMA) at Hikone, Nagoya, Tsu, and Fukui, (I JMA) at Kyoto, Iida and Shizuoka.
	02	07	42	49.3	66.933	N	156.227	W	5	G		0.4	12	ALASKA
	02	08	24	12.6%	46.074	N	2.858	E	10	G		0.3	9	FRANCE. ML 2.1 (LDG).
	02	08	25	27.0?	46.05	N	2.92	E	10	G		0.2	4	FRANCE. MD 2.7 (STR).
	02	08	45	16.4*	46.268	N	12.787	E	10	G		0.9	5	NORTHERN ITALY. MD 2.8 (LJU). ML 1.7 (KBA).
	02	09	27	35.8*	44.857	N	28.153	W	10	G	4.6	1.1	37	NORTH ATLANTIC RIDGE
a	02	09	30	15.5	16.747	N	99.343	W	10	G	5.4 4.9	1.0	189	NEAR COAST OF GUERRERO, MEXICO. Felt (IV) at Mexico City. Also felt in parts of Guerrero.
a	02	09	30	58.9	44.968	N	28.025	W	10	G	5.0 5.5	1.0	197	NORTH ATLANTIC RIDGE
	02	09	39	31.7?	47.43	N	7.72	W	10	G		0.7	15	NORTH ATLANTIC OCEAN. ML 3.4 (LDG).
	02	10	01	33.5	44.948	N	28.128	W	10	G	4.7	1.0	84	NORTH ATLANTIC RIDGE
	02	10	05	36.4*	44.832	N	28.098	W	10	G	4.6	1.1	31	NORTH ATLANTIC RIDGE
	02	10	12	58.1?	31.58	S	68.20	W	10	G	4.1	1.3	12	SAN JUAN PROVINCE, ARGENTINA
	02	10	39	14.4*	50.963	N	6.542	E	10	G		1.5	5	GERMANY. MD 3.1 (DOU).
	02	11	52	30.5*	53.219	N	173.029	E	33	N	5.1	1.2	21	NEAR ISLANDS, ALEUTIAN ISLANDS
	02	12	19	23.1?	17.99	N	65.80	W	10	G		0.7	6	PUERTO RICO REGION
	02	12	21	34.8%	42.760	N	19.181	E	10	G		0.1	5	YUGOSLAVIA. MD 2.4 (TTG).
	02	13	37	06.4?	62.25	N	4.59	E	10	G		0.6	6	NORWEGIAN SEA. MD 2.0 (BER).
	02	13	37	14.4&	32.730	N	118.060	W	6	G			10	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	02	13	41	38.5?	62.26	N	4.43	E	10	G		0.6	7	NORWEGIAN SEA. MD 2.1 (BER).
	02	14	11	49.1	40.791	N	28.039	E	10	G		1.5	10	TURKEY
	02	15	06	30.4?	42.88	N	13.00	E	10	G		0.1	4	CENTRAL ITALY. MD 2.3 (SSO).
	02	16	51	31.6&	59.983	N	153.463	W	135				14	SOUTHERN ALASKA. <AGS-P>.
	02	16	56	18.0?	31.41	S	70.39	W	33	N		1.2	9	CHILE-ARGENTINA BORDER REGION
	02	17	39	11.8*	37.246	N	28.099	E	10	G		1.6	5	TURKEY
	02	17	42	59.2*	35.531	N	44.353	E	33	N	3.9	1.2	5	IRAQ
	02	18	02	38.7*	36.779	N	28.025	E	10	G		1.2	7	DODECANESE ISLANDS. MD 3.7 (ATH).
	02	18	26	58.6	39.328	N	23.547	E	12			1.1	33	AEGEAN SEA. ML 3.3 (ATH).
	02	19	23	05.8&	61.808	N	149.784	W	35				45	SOUTHERN ALASKA. <AGS-P>. ML 3.4 (PMR). Felt (III) at Hatcher Pass.
	02	19	28	21.4%	46.437	N	0.970	W	10	G		1.5	7	FRANCE
	02	19	38	33.4*	2.452	N	128.461	E	33	N	4.7	0.6	14	HALMAHERA
	02	19	52	39.4?	50.31	N	159.05	E	39	D	4.6	1.3	14	KURIL ISLANDS REGION
	02	20	53	04.7	40.386	N	25.981	E	10	G		0.9	13	AEGEAN SEA. MD 3.0 (ATH).
	02	21	36	48.4&	62.975	N	149.974	W	91				8	CENTRAL ALASKA. <AGS-P>.
	02	22	11	22.0?	4.32	S	101.19	E	52	?	4.3	1.2	9	SOUTHERN SUMATERA
	02	22	13	03.4&	60.201	N	153.187	W	138				26	SOUTHERN ALASKA. <AGS-P>.
	02	22	14	04.9*	17.298	N	62.326	W	33	N		1.2	8	LEEWARD ISLANDS. ML 2.6 (FDF).
	02	22	52	44.4	66.970	N	156.218	W	5	G		0.9	19	ALASKA. ML 3.6 (PMR).
	02	23	01	10.2	53.806	N	160.561	E	60	D	5.3	0.9	214	NEAR EAST COAST OF KAMCHATKA
	02	23	09	14.2	39.275	N	23.551	E	18			0.9	43	AEGEAN SEA. ML 3.8 (ATH).
	02	23	16	22.1	39.246	N	23.576	E	13		3.8	0.8	52	AEGEAN SEA. ML 3.6 (ATH).
	03	00	26	01.7	43.192	N	14.454	E	33	N		1.4	98	ADRIATIC SEA. MD 3.8 (KBA), 3.9 (TRI). ML 3.7 (VKA).
	03	02	54	32.6*	44.999	N	28.110	W	10	G	4.2	1.0	28	NORTH ATLANTIC RIDGE
	03	02	56	25.5&	60.129	N	146.980	W	8		4.9		152	SOUTHERN ALASKA. <AGS-P>. ML 4.9 (PMR). Felt (III) at Whittier.
	03	02	57	48.7	42.633	N	13.026	E	10	G		0.4	6	CENTRAL ITALY. MD 2.4 (SSO).
	03	03	03	13.1*	44.595	N	27.087	W	10	G	4.2	0.6	15	NORTH ATLANTIC RIDGE
	03	03	06	54.3?	37.17	N	28.00	E	10	G		1.6	5	TURKEY
	03	03	09	21.7&	60.115	N	147.056	W	9				35	SOUTHERN ALASKA. <AGS-P>. ML 3.4 (PMR).
	03	03	33	08.7&	64.476	N	146.914	W	8				14	CENTRAL ALASKA. <AGS-P>.
	03	03	40	48.0*	1.057	S	78.251	W	10	G	4.4	1.2	13	ECUADOR
	03	04	01	24.2	39.257	N	23.513	E	13			1.2	34	AEGEAN SEA. ML 3.2 (ATH).
	03	04	40	38.8?	3.68	S	134.40	E	33	N	4.3	1.1	5	WEST IRIAN REGION
	03	05	04	26.1	42.840	N	111.611	W	5	G		1.1	8	EASTERN IDAHO. ML 3.4 (NEIS).
	03	05	15	11.1?	20.73	S	170.54	E	104	?	4.6	0.1	5	VANUATU ISLANDS
	03	05	25	15.3	50.659	N	129.564	W	10	G	4.6 3.8	1.0	78	VANCOUVER ISLAND REGION. Felt at Holberg and Port Hardy.
	03	05	42	49.4*	61.486	N	1.414	E	10	G		0.9	12	NORWEGIAN SEA. MD 2.7 (BER).
f	03	05	53	01.1	30.091	N	99.475	E	14	G	6.1 6.1	1.0	422	SICHUAN PROVINCE, CHINA. Two people injured by a landslide which blocked the highway between Chengdu and Batang. Depth from broadband displacement seismograms.
	03	06	10	43.4	32.994	S	178.821	W	10	G	4.8	1.1	32	SOUTH OF KERMADEC ISLANDS
	03	06	17	21.7	67.099	N	156.562	W	5	G		0.4	12	ALASKA
	03	06	41	33.0	30.001	N	99.403	E	10	G	5.1	1.2	89	SICHUAN PROVINCE, CHINA
	03	07	44	10.5	46.382	N	2.421	E	16			0.7	40	FRANCE. ML 3.8 (LDG).
	03	08	12	04.9	30.085	N	99.285	E	10	G	4.4	1.3	31	SICHUAN PROVINCE, CHINA
	03	08	19	07.0	30.046	N	99.363	E	10	G	4.3	1.4	20	SICHUAN PROVINCE, CHINA
	03	08	19	27.1?	19.27	S	178.04	W	428	?	4.5	1.0	15	FIJI ISLANDS REGION
	03	08	37	50.1*	30.145	N	99.307	E	10	G	4.8	1.5	15	SICHUAN PROVINCE, CHINA
	03	09	12	41.8	29.857	N	51.797	E	10	G	4.9	1.2	182	SOUTHERN IRAN
a	03	09	13	24.2	29.964	N	51.655	E	33	N	5.1	1.1	61	SOUTHERN IRAN. Felt in the Mamasani area.
	03	09	28	45.7	30.086	N	99.316	E	10	G	4.8	1.2	26	SICHUAN PROVINCE, CHINA
	03	09	52	04.4	30.163	N	99.148	E	10	G	4.9	1.5	36	SICHUAN PROVINCE, CHINA
	03	11	22	48.5&	60.129	N	147.014	W	1				32	SOUTHERN ALASKA. <AGS-P>.
	03	11	52	36.3	42.567	N	12.545	E	10	G		0.8	13	CENTRAL ITALY. MD 3.4 (TRI), 3.4 (SSO).
	03	12	16	40.7	29.893	N	51.819	E	10	G	4.8	1.0	27	SOUTHERN IRAN
	03	12	59	22.4	35.336	N	27.723	E	10	G		1.5	16	DODECANESE ISLANDS. MD 4.0 (ATH).
	03	13	00	25.9	3.519	N	125.850	E	140	*	5.0	0.7	35	TALAUD ISLANDS
	03	13	18	32.2	1.936	N	128.748	E	33	N	5.0	1.0	25	HALMAHERA

	03	13	22	46.6%	60.722	N	5.552	E	10	G		0.5	7	SOUTHERN NORWAY. MD 1.9 (BER).
	03	14	20	33.3	45.552	N	151.030	E	33	N	5.0 4.1	0.8	88	KURIL ISLANDS
	03	14	20	42.7	26.025	N	124.732	E	191	D	4.7	0.9	49	NORTHEAST OF TAIWAN
a	03	15	41	30.8	30.053	N	99.499	E	8	G	5.8 5.9	1.0	385	SICHUAN PROVINCE, CHINA. Depth fram broadband displacement seismograms.
	03	15	50	50.7?	18.01	N	65.85	W	10	G		0.5	6	PUERTO RICO REGION
	03	17	20	19.2?	67.19	N	156.38	W	5	G		0.4	11	ALASKA
	03	17	22	10.5*	30.343	N	99.492	E	10	G	4.2	1.2	9	SICHUAN PROVINCE, CHINA
	03	17	28	21.0	30.073	N	99.432	E	10	G	5.3 4.6	1.0	159	SICHUAN PROVINCE, CHINA
	03	17	28	39.7	6.944	N	94.778	E	33	N	4.4	0.9	13	NICOBAR ISLANDS REGION
	03	17	33	27.5	51.567	N	173.643	W	48	D	4.8	0.9	116	ANDREANOF ISLANDS, ALEUTIAN IS.
	03	17	37	21.2*	51.536	N	173.651	W	50	D	4.7	1.1	36	ANDREANOF ISLANDS, ALEUTIAN IS.
	03	17	53	46.5*	51.929	N	173.824	W	33	N	4.5	1.2	42	ANDREANOF ISLANDS, ALEUTIAN IS.
	03	17	54	46.1*	30.092	N	99.321	E	10	G		1.4	9	SICHUAN PROVINCE, CHINA
	03	18	19	31.9	29.937	N	99.260	E	10	G	4.3	1.0	11	SICHUAN PROVINCE, CHINA
a	03	18	44	54.2	6.955	N	94.592	E	33	N	4.9 4.8	1.1	103	NICOBAR ISLANDS REGION
	03	19	27	53.0%	11.244	N	60.900	W	33	*		1.1	10	WINDWARD ISLANDS. MD 3.5 (TRN).
	03	19	29	27.4	37.936	N	29.113	E	10	G		1.0	16	TURKEY. MD 3.4 (ATH).
	03	19	59	18.4	38.776	N	70.711	E	33	N	4.7	0.9	65	AFGHANISTAN-USSR BORDER REGION. Felt (IV) at Garm, Deonasu, Nurek, Komarou and Gissar; (III) at Obigarm, Dzhirgatal, Dushanbe and Tashkent, USSR.
	03	20	20	25.6?	5.36	S	131.33	E	126	?		1.8	5	BANDA SEA
	03	20	37	48.0*	39.000	N	28.213	W	10	G	4.1	0.7	15	AZORES ISLANDS. Felt (IV) on Graciasa and (III) on Sao Jorge.
	03	21	07	22.1*	30.180	N	99.277	E	10	G	4.5	1.5	13	SICHUAN PROVINCE, CHINA
	03	21	11	01.3	49.150	N	6.932	E	10	G		1.0	13	GERMANY. MD 2.6 (UCC).
	03	22	20	47.5&	62.910	N	151.296	W	114				24	CENTRAL ALASKA. <AGS-P>.
	03	22	38	59.0?	31.06	S	68.45	W	115	?		1.5	12	SAN JUAN PROVINCE, ARGENTINA
	03	23	06	31.5*	3.294	N	126.743	E	33	N	4.1	0.4	8	TALAUD ISLANDS
	03	23	26	40.5*	26.990	S	26.651	E	5	G		1.4	14	REPUBLIC OF SOUTH AFRICA
	03	23	47	52.2	37.107	N	27.870	E	5	G		1.0	9	TURKEY
a	04	00	22	06.7	11.038	N	68.270	W	16		5.4 5.2	1.0	227	NEAR COAST OF VENEZUELA. More than 2,000 people made homeless in the Tucacas area. Felt strongly in the states of Falcon and Carababa. Also felt at Caracas and in parts of Aragua and Mirando.
	04	00	43	45.5	39.291	N	23.488	E	10	G		0.4	9	AEGEAN SEA. ML 3.0 (ATH).
	04	00	49	53.4%	37.188	N	28.000	E	10	G		1.0	8	TURKEY
	04	01	06	51.4	39.735	N	30.792	E	10	G		1.0	14	TURKEY
	04	01	31	19.9	29.999	N	99.490	E	10	G	5.0 4.3	1.1	94	SICHUAN PROVINCE, CHINA
	04	02	24	13.6?	40.84	N	27.85	E	10	G		1.6	5	TURKEY
	04	02	35	47.6&	60.839	N	151.419	W	71				30	KENAI PENINSULA, ALASKA. <AGS-P>.
	04	02	40	01.5?	6.22	S	134.26	E	33	N	4.2	1.0	6	AROE ISLANDS REGION
a	04	03	37	39.2&	40.537	N	127.437	W	5	G	5.0 4.1		173	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.7 (BRK).
	04	04	52	51.8?	50.04	N	157.00	E	41	D	4.6	1.3	25	KURIL ISLANDS
	04	05	30	46.1	30.053	N	99.340	E	10	G	5.1	1.1	20	SICHUAN PROVINCE, CHINA
	04	05	33	19.0*	40.585	N	21.398	E	10	G		0.6	7	GREECE. ML 2.9 (SKO).
	04	05	41	14.3%	11.790	N	61.102	W	30	*		1.1	10	WINDWARD ISLANDS. MD 3.5 (TRN).
	04	05	48	44.4?	49.16	N	6.93	E	10	G		1.5	5	GERMANY
	04	05	54	20.6	37.076	N	27.984	E	10	G		1.0	7	TURKEY
	04	05	56	48.5*	40.577	N	21.410	E	10	G		0.8	5	GREECE. ML 2.5 (SKO).
	04	06	41	25.0&	63.498	N	149.178	W	93				15	CENTRAL ALASKA. <AGS-P>.
	04	07	13	27.9&	64.049	N	146.822	W	14				18	CENTRAL ALASKA. <AGS-P>.
	04	08	06	00.5%	37.807	N	29.271	E	10	G		1.1	5	TURKEY
	04	08	25	50.8	29.947	N	99.153	E	10	G	4.4	1.0	13	SICHUAN PROVINCE, CHINA
	04	09	03	33.6*	37.112	N	21.094	E	28		3.8	1.1	16	SOUTHERN GREECE
a	04	10	30	06.9	6.609	S	75.760	W	33	N	5.5 5.1	0.8	238	NORTHERN PERU
	04	10	56	58.6	29.968	N	99.396	E	10	G	4.4	1.3	12	SICHUAN PROVINCE, CHINA
	04	11	00	33.6	43.116	N	13.461	E	10	G		1.4	7	CENTRAL ITALY. MD 3.1 (TRI), 2.6 (SSO).
	04	11	26	41.1	43.083	N	13.475	E	10	G		1.2	13	CENTRAL ITALY. MD 3.4 (TRI), 3.3 (SSO).
	04	11	27	42.0	37.630	N	118.822	W	5	G		0.6	33	CALIFORNIA-NEVADA BORDER REGION. ML 3.1 (NEIS), 3.1 (PAS).
	04	11	53	01.8?	4.96	S	144.32	E	126	*	4.1	0.7	11	NEAR N COAST OF PAPUA NEW GUINEA
	04	12	17	06.5	23.249	S	66.921	W	163		4.2	0.5	20	JUJUY PROVINCE, ARGENTINA
	04	12	22	15.7?	31.35	S	68.09	W	33	N		1.2	5	SAN JUAN PROVINCE, ARGENTINA
	04	12	46	38.1*	5.364	S	147.856	E	33	N	4.3	0.9	7	EAST PAPUA NEW GUINEA REGION
a	04	13	15	08.0	21.963	S	179.305	W	591	D	5.4	0.9	242	FIJI ISLANDS REGION
	04	14	15	10.0	39.121	N	24.598	E	8			1.1	18	AEGEAN SEA. ML 3.1 (ATH).
	04	14	21	59.1	29.987	N	99.349	E	10	G	4.7	1.2	44	SICHUAN PROVINCE, CHINA
	04	14	34	48.1*	27.841	N	56.359	E	33	N	4.0 3.9	0.4	7	SOUTHERN IRAN
	04	14	37	01.8?	37.12	N	27.97	E	10	G		1.1	5	TURKEY
	04	15	29	55.7	9.341	N	56.977	E	10	G	4.9	0.8	36	CARLSBERG RIDGE
	04	16	26	13.2	27.503	N	106.311	E	10	G	4.2	1.3	11	EASTERN CHINA. ML 4.6 (BJI).
	04	16	46	46.8*	8.804	N	147.718	E	33	N	4.0	0.8	13	CAROLINE ISLANDS REGION
	04	16	54	38.9&	60.537	N	147.380	W	12				26	SOUTHERN ALASKA. <AGS-P>.
	04	16	55	56.9%	37.938	N	29.091	E	10	G		1.2	6	TURKEY
	04	17	38	48.4&	59.400	N	157.002	W	0				8	SOUTHERN ALASKA. <AGS-P>.
	04	18	10	28.7	30.046	N	99.483	E	10	G	4.7	1.3	47	SICHUAN PROVINCE, CHINA
	04	18	23	00.0*	39.521	N	23.519	E	10	G		0.6	8	AEGEAN SEA
a	04	18	32	55.6	13.039	S	76.195	W	72		5.3	1.0	118	NEAR COAST OF PERU. Felt (III) at Ica and Lima.
	04	19	31	15.1	37.104	N	27.912	E	10	G		1.0	11	TURKEY. MD 3.4 (ATH).
	04	20	00	03.7?	37.08	N	27.89	E	5	G		1.5	5	TURKEY
	04	20	10	02.7?	37.65	N	20.56	E	10	G		1.4	8	IONIAN SEA. ML 3.5 (ATH).
	04	20	22	03.1	2.156	S	80.588	W	33	N		1.4	7	NEAR COAST OF ECUADOR
	04	20	22	16.9*	34.534	N	29.893	E	10	G		0.7	6	EASTERN MEDITERRANEAN SEA
	04	20	41	53.1*	13.078	N	90.216	W	34	*	4.6	1.3	36	NEAR COAST OF GUATEMALA
	04	20	53	31.9	40.834	N	22.932	E	10	G		0.4	9	GREECE
	04	21	27	06.1	42.303	N	19.904	E	10	G		0.6	9	YUGOSLAVIA. MD 2.5 (TTG).
	04	22	15	30.4?	31.48	S	68.14	W	33	N		1.4	6	SAN JUAN PROVINCE, ARGENTINA
	04	22	25	26.0	38.194	N	72.432	E	57	*	4.8	1.2	43	TAJIK SSR. Felt (III) at Kharog, Rushan, Vanch, Vir, Savnab and Ishkashim.
	04	23	42	20.6	37.082	N	27.943	E	14			1.3	16	TURKEY. MD 3.6 (ATH).
	05	00	54	11.6	37.005	N	27.965	E	20			1.5	17	TURKEY. MD 3.8 (ATH).
	05	01	27	52.1*	32.296	S	71.824	W	10	G		0.8	10	NEAR COAST OF CENTRAL CHILE

	05	02	47	31	4?	10.43	N	60.62	W	56	?	0.2	9	TRINIDAD. MD 3.6 (TRN).
	05	06	16	59.1*		17.988	S	131.408	E	10	G	1.1	7	NORTHERN TERRITORY, AUSTRALIA. ML 4.1 (QIS).
	05	06	19	08.4		31.286	N	104.440	E	10	G	0.7	7	SICHUAN PROVINCE, CHINA
	05	06	54	49.3%		44.630	N	7.075	E	10	G	0.1	6	NORTHERN ITALY. ML 1.8 (GEN).
	05	08	11	38.9		3.189	N	76.331	W	10	3.2	1.0	11	COLOMBIA
	05	08	33	18.2%		18.247	N	66.311	W	10	G	0.4	6	PUERTO RICO REGION
	05	09	01	07.1?		38.35	N	20.02	E	10	G	1.4	7	GREECE. MD 3.7 (ATH).
	05	09	17	17.8?		28.79	N	86.74	E	10	G	1.4	5	TIBET
	05	09	44	20.7		44.519	N	7.344	E	10		0.9	33	NORTHERN ITALY. ML 3.1 (GEN).
	05	10	20	01.2&		37.955	N	122.350	W	6			14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=2.6*10**13 Nm (BRK). Felt at El Sobrante, Pinole, Richmond and San Pablo.
	05	10	25	54.1%		18.246	N	66.312	W	10	G	0.5	5	PUERTO RICO REGION
	05	10	35	32.5*		17.444	N	100.680	W	33	N	1.3	8	GUERRERO, MEXICO
	05	10	44	34.2?		42.27	N	22.71	E	10	G	0.9	5	BULGARIA
	05	11	23	39.5&		39.817	N	123.225	W	12			10	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.9 (BRK). Felt (III) at Cavelo.
	05	11	53	35.0%		33.924	S	71.125	W	33	N	0.4	7	NEAR COAST OF CENTRAL CHILE
	05	12	21	51.0*		13.999	S	166.273	E	33	N 4.7	1.4	17	VANUATU ISLANDS
	05	13	30	40.1		31.984	S	178.658	W	10	G 5.3 4.9	1.0	120	KERMADEC ISLANDS REGION
	05	14	11	55.1&		32.950	N	117.740	W	6	G		24	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS). Felt (II) at San Diego, Califarnia.
	05	16	00	40.3*		11.464	S	114.785	E	33	N	0.8	6	SOUTH OF BALI ISLAND
	05	16	32	22.7&		61.737	N	149.755	W	41			34	SOUTHERN ALASKA. <AGS-P>.
	05	16	58	47.6*		30.035	N	99.270	E	10	G 4.7	1.3	13	SICHUAN PROVINCE, CHINA
	05	17	11	07.1		29.993	N	99.255	E	10	G	1.3	14	SICHUAN PROVINCE, CHINA. ML 3.8 (BJI).
	05	17	11	58.6		41.840	N	19.284	E	17		1.0	23	ALBANIA. ML 3.0 (TTG). MD 3.4 (ATH).
f	05	18	28	39.4		8.281	S	71.381	W	593	G 6.4	1.0	589	WESTERN BRAZIL. mb 6.7 (BRK), 6.5 (PAS). Mo=5.0*10**19 Nm (PPT). Felt ot Feija, Brazil and Puyo, Ecuadar. Depth fram broadband displacement seismograms.
	05	19	10	45.0?		7.25	S	71.08	W	600	G 4.9	0.8	16	WESTERN BRAZIL
	05	20	22	28.4?		26.13	S	178.82	E	501	? 4.6	1.5	8	SOUTH OF FIJI ISLANDS
	05	20	39	56.6		43.225	N	13.318	E	10	G	1.1	9	CENTRAL ITALY. MD 2.6 (SSO).
	06	00	31	07.4%		40.505	N	22.624	E	10	G	0.1	5	GREECE
	06	01	41	29.9		66.971	N	156.229	W	5	G	0.7	9	ALASKA. ML 4.0 (PMR).
	06	02	40	56.2		22.471	N	99.776	E	10	G 4.7 4.5	1.3	54	BURMA-CHINA BORDER REGION
	06	02	43	30.9*		8.472	S	67.809	E	10	G	0.6	9	MID-INDIAN RISE
	06	02	45	26.3%		39.259	N	28.905	E	10	G	0.4	6	TURKEY
	06	03	54	05.6		6.332	S	130.766	E	86	* 4.5	0.9	24	BANDA SEA
	06	04	12	15.7		36.475	N	28.190	E	77	?	0.5	7	DODECANESE ISLANDS
	06	04	12	42.5		29.726	N	99.329	E	10	G 4.8	1.0	13	SICHUAN PROVINCE, CHINA
	06	04	53	47.5*		40.975	N	22.160	E	10	G	0.5	6	GREECE. ML 1.2 (SKO).
	06	06	27	41.8		12.438	N	120.972	E	33	N 4.7 4.3	1.0	39	MINDORO, PHILIPPINE ISLANDS
	06	07	26	46.4*		24.458	N	94.214	E	10	G	0.4	8	BURMA-INDIA BORDER REGION
	06	08	21	15.7?		11.98	N	86.55	W	100	G	0.3	17	NEAR COAST OF NICARAGUA
	06	08	47	47.9&		62.332	N	159.574	W	74			8	CENTRAL ALASKA. <AGS-P>.
	06	09	11	45.1*		67.398	N	156.753	W	5	G	0.4	11	ALASKA
	06	09	57	58.7		2.005	S	151.458	E	33	N 4.3	1.4	5	NEW IRELAND REGION
	06	11	19	01.7?		36.08	N	24.90	E	33	N	0.7	5	SOUTHERN GREECE. MD 3.5 (ATH).
	06	11	31	14.0*		8.497	S	125.014	E	292	* 5.3	1.1	14	TIMOR
	06	12	02	21.6		51.263	N	178.252	E	39	D 4.9	1.1	73	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
	06	12	30	43.8*		53.239	N	160.293	E	100	G 4.4	0.8	16	NEAR EAST COAST OF KAMCHATKA
	06	13	07	18.0%		38.852	N	112.989	E	10	G	1.0	5	NORTHEASTERN CHINA. ML 3.1 (BJI).
	06	14	32	29.6		41.836	N	12.727	E	10	G	0.5	9	SOUTHERN ITALY
	06	14	32	52.8		15.853	N	95.098	W	27	4.8	1.1	70	NEAR COAST OF OAXACA, MEXICO
	06	16	25	07.9*		23.846	N	122.001	E	33	N 3.5	1.1	9	TAIWAN REGION
	06	16	35	55.7		66.905	N	156.077	W	5	G	0.8	18	ALASKA
	06	17	02	03.1		34.458	N	27.457	E	33	N	0.6	7	EASTERN MEDITERRANEAN SEA. MD 3.7 (ATH).
	06	17	11	15.8		39.781	N	25.585	E	5		0.6	19	AEGEAN SEA
	06	17	51	26.3?		38.04	N	22.00	E	10	G	0.1	4	GREECE. ML 2.9 (ATH).
	06	18	38	09.6		37.118	N	27.979	E	10	G	1.5	11	TURKEY. MD 3.3 (ATH).
	06	18	52	12.2*		67.146	N	156.578	W	5	G	0.6	6	ALASKA
	06	19	04	25.2		36.441	N	71.694	E	85	* 4.6	0.6	15	AFGHANISTAN-USSR BORDER REGION
	06	19	50	28.0*		37.114	N	27.853	E	10	G	1.4	7	TURKEY
	06	20	03	45.3		51.296	N	178.214	E	42	D 4.9	1.0	49	RAT ISLANDS, ALEUTIAN ISLANDS
	06	21	01	59.1*		21.839	N	143.298	E	232	? 4.3	1.0	18	MARIANA ISLANDS REGION
	06	21	14	57.4		36.477	N	70.115	E	219	D 4.8	1.0	190	HINDU KUSH REGION. Felt (III) at Obigarm, Dushanbe and Lyangar; (II) at Kulyab, USSR.
	06	21	40	41.5		66.947	N	156.262	W	5	G	0.5	13	ALASKA
	06	23	00	13.7*		40.505	N	22.617	E	10	G	0.3	5	GREECE
	06	23	29	33.2		40.918	N	22.092	E	10	G	1.0	22	GREECE. MD 3.3 (ATH). ML 2.8 (SKO).
	06	23	37	43.5		16.225	N	95.250	W	11	4.9	1.1	61	OAXACA, MEXICO
	06	23	46	13.0*		64.719	N	17.322	W	10	G 4.2 4.1	1.2	7	ICELAND
a	07	00	38	18.5		23.553	N	99.526	E	33	N 5.3 5.6	1.1	266	BURMA-CHINA BORDER REGION. At least one person killed, 91 injured and 5,300 houses destroyed in the Gengma oreo, China. Felt strangly in Lancang and Menglion Caunties. Direct econamic lasses of mare than 54 million dollars were sustained.
	07	01	32	19.4*		37.563	N	71.870	E	33	N 4.3	1.5	7	AFGHANISTAN-USSR BORDER REGION
	07	01	49	05.2		37.740	N	15.104	E	10	G	0.9	11	SICILY
	07	03	00	24.9		29.909	N	99.318	E	10	G 4.9	1.3	17	SICHUAN PROVINCE, CHINA
	07	03	02	45.2		41.478	N	142.051	E	72	4.6	1.1	52	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Hachinohe, Hanshu.
	07	03	55	02.9*		30.064	N	99.254	E	10	G	1.4	7	SICHUAN PROVINCE, CHINA
	07	03	57	38.4?		5.22	S	145.91	E	33	N 4.3	1.3	7	EAST PAPUA NEW GUINEA REGION
	07	04	43	47.3		38.309	N	22.782	E	10	G	0.9	22	GREECE. ML 3.4 (ATH).
	07	04	58	55.0*		37.082	N	27.877	E	10	G	1.3	7	TURKEY
	07	05	47	45.2&		61.981	N	150.413	W	43			29	SOUTHERN ALASKA. <AGS-P>.
	07	06	07	47.5&		33.930	N	117.910	W	4			15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). Felt (V) at Los Nietas and Whittier; (IV) at Bellflower, Brea, Buena Park, Fullerton, La Habro, Lakewood, La Puente, Oronge and Silverado; (III) at Atwood, Cypress, Chino Hills, Lang Beach, Tustin, Westminster and Yarba Linda.

	07	06 23 35.9&	62.277	N	149.742	W	50					38	CENTRAL ALASKA. <AGS-P>.
	07	06 37 59 5?	33.76	S	178.50	E	161 ?	4.6		1.2	14	SOUTH OF KERMADEC ISLANDS
	07	06 52 03.1&	60.677	N	150.718	W	48				57	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.6 (PMR).
	07	06 56 28.0	34.965	N	135.573	E	10 G			0.5	8	NEAR S. COAST OF SOUTHERN HONSHU. MG 3.6 (JMA). Felt (II JMA) at Kyoto.
	07	07 01 50.2?	54.53	N	161.74	W	33 N	4.7		1.0	14	ALASKA PENINSULA
	07	08 37 37.8?	38.29	N	22.59	E	10 G			0.4	4	GREECE. ML 2.8 (ATH).
	07	08 55 58.1	27.424	N	127.748	E	117	4.8		1.3	33	RYUKYU ISLANDS. Felt (I JMA) at Naha.
	07	10 36 21.4	38.304	N	22.789	E	29	4.3		0.9	26	GREECE. ML 3.5 (ATH).
	07	10 46 50.1	38.320	N	22.740	E	33	4.1		1.3	93	GREECE. ML 4.4 (ATH), 4.1 (TTG).
	07	11 36 4?.7?	38.29	N	22.61	E	10 G			0.2	4	GREECE. ML 3.2 (ATH).
	07	12 02 59.6*	38.281	N	22.583	E	10 G			0.7	5	GREECE. ML 3.2 (ATH).
	07	12 27 32.9	8.690	S	75.443	W	127 D	4.8		0.7	45	PERU
	07	12 28 21.3	7.149	S	129.215	E	176 *	5.0		1.3	34	BANDA SEA
	07	13 05 22.7*	36.895	N	71.580	E	112 *	4.5		1.5	23	AFGHANISTAN-USSR BORDER REGION
	07	13 40 44.7	39.693	N	20.283	E	10 G	4.2		1.3	81	GREECE-ALBANIA BORDER REGION. ML 4.2 (KBA), 4 5 (TTG). MD 4.1 (ATH).
	07	14 04 51.0&	37.125	N	121.550	W	9				16	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt (III) at Gilroy and San Martin. Also felt at Morgan Hill.
	07	14 23 39.8	37.158	N	27.838	E	10 G			1.5	10	TURKEY. MD 3.3 (ATH).
	07	14 42 16.8&	60.674	N	150.721	W	47				37	KENAI PENINSULA, ALASKA. <AGS-P>.
	07	14 59 11.9*	66.843	N	156.269	W	5 G			0.5	11	ALASKA
	07	15 37 19.2*	22.016	S	174.974	W	33 N	4.8	4.2	1.1	20	TONGA ISLANDS REGION
	07	15 39 13.6	42.945	N	17.612	E	5 G	3.1		1.2	59	ADRIATIC SEA. ML 4.1 (KBA), 4.1 (ZAG), 4.0 (TTG), 3.4 (LJU). MD 4.2 (TRI), 4.0 (BEO).
	07	15 48 10.2?	58.54	N	10.47	E	10 G			0.8	4	SWEDEN. ML 2.2 (BER).
	07	16 28 05.1	57.147	N	122.158	E	27 D	4.9	4.1	1.1	105	EASTERN USSR
	07	16 53 45.3	21.815	S	175.474	W	33 N	5.0	4.5	1.1	62	TONGA ISLANDS
	07	17 45 47.9?	32.91	N	5.09	W	10 G			1.3	4	MOROCCO. MD 3.7 (TIO).
	07	21 09 51.5*	37.865	N	27.427	E	10 G			1.4	10	TURKEY
	07	21 32 12.5*	36.020	N	68.765	E	33 N	4.1		1.0	9	HINDU KUSH REGION
	07	22 08 29.6*	51.772	N	172.847	W	33 N	5.0		0.5	14	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	22 08 39.2*	22.655	N	141.993	E	228 *	4.2		0.6	17	VOLCANO ISLANDS REGION
	07	22 25 08.5	40.412	N	25.843	E	5 G			1.2	13	AEGEAN SEA
	07	23 49 41.9	37.153	N	139.039	E	153	4.7		0.8	135	HONSHU, JAPAN. Felt (II JMA) at Utsunamiya; (I JMA) at Mito, Kafu, Tokya and an Oshima.
	07	23 50 39.8	36.740	N	71.172	E	169 ?	4.6		0.6	17	AFGHANISTAN-USSR BORDER REGION
	08	00 03 13.5	44.792	N	79.785	E	33 N	4.6		1.0	33	EASTERN KAZAKH SSR. Felt (IV) at Amanbakter and (II) at Alma-Ata.
	08	00 34 49.9?	37.18	N	28.01	E	5 G			1.2	5	TURKEY
	08	01 15 48.6?	31.64	N	140.70	E	33 N	4.7		1.1	7	SOUTH OF HONSHU, JAPAN
	08	01 33 35.5?	18.03	N	101.94	W	10 G			1.3	6	GUERRERO, MEXICO
	08	01 52 52.7	66.944	N	156.316	W	5 G			0.3	15	ALASKA. ML 3.6 (PMR).
	08	02 23 08.9*	37.112	N	27.896	E	10 G			1.9	7	TURKEY
	08	02 24 45.6	37.706	N	14.981	E	10 G			0.8	6	SICILY
	08	02 32 40.1%	32.895	N	130.930	E	10 G			0.1	5	KYUSHU, JAPAN. Felt (III JMA) in the Mt. Asa area.
	08	02 45 34.4?	40.67	N	22.45	E	10 G			0.4	5	GREECE
	08	03 19 42.1	23.492	N	99.344	E	10 G			0.9	13	BURMA-CHINA BORDER REGION
a	08	03 36 38.4	18.891	S	178.845	W	531 D	5.4		1.1	198	FIJI ISLANDS REGION
	08	03 53 47.2&	60.095	N	153.484	W	158	4.6			64	SOUTHERN ALASKA. <AGS-P>.
	08	04 15 22.8?	37.22	N	27.97	E	10 G			1.6	5	TURKEY
	08	04 21 21.6?	14.77	N	60.06	W	24			0.2	10	WINDWARD ISLANDS. M_L 3.1 (FDF).
	08	04 33 06.6%	39.332	N	28.381	E	10 G			0.3	8	TURKEY
	08	04 41 49.8?	10.43	S	124.13	E	226 ?	4.5		1.1	10	TIMOR
	08	05 09 57.7*	39.500	N	106.491	E	10 G	3.9		0.5	6	NORTHERN CHINA. ML 4.0 (BJI).
	08	06 17 17.5?	40.57	N	22.45	E	10 G			1.5	6	GREECE. ML 2.3 (SKO).
a	08	06 20 02.0	0.019	N	126.696	E	76 *	5.1		1.3	54	MOLUCCA PASSAGE
	08	07 07 16.1?	3.41	N	127.24	E	33 N	4.3		1.0	7	TALAUD ISLANDS
	08	08 05 40.1*	14.918	S	167.185	E	150 *	4.8		1.0	39	VANUATU ISLANDS
	08	08 19 51.7*	33.838	N	28.500	E	33 N			0.4	8	EASTERN MEDITERRANEAN SEA
	08	08 22 24.0	34.521	N	32.381	E	33 N			1.3	13	CYPRUS
	08	09 02 34.3&	59.782	N	152.867	W	86				65	SOUTHERN ALASKA. <AGS-P>.
	08	09 09 08.9&	57.815	N	152.532	W	46	4.6			75	KODIAK ISLAND REGION. <AGS-P>. ML 4.2 (PMR). Felt (IV) at Kodiak.
	08	09 21 11.3?	44.50	N	114.31	W	5 G			0.1	6	WESTERN IDAHO. ML 3.2 (BUT).
	08	09 43 28.1?	44.06	N	8.79	E	10 G			1.4	5	NORTHERN ITALY
	08	09 45 41.7	6.162	S	153.599	E	58 *	4.8		1.3	24	NEW BRITAIN REGION
	08	09 57 53.8%	36.423	N	5.750	W	10 G			1.5	6	STRAIT OF GIBRALTAR
	08	10 22 54.8*	36.688	N	21.365	E	28 *	3.5		1.1	11	SOUTHERN GREECE. ML 3.3 (ATH).
	08	11 20 01.6?	51.58	N	172.91	W	33 N	5.0		1.6	12	ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.7 (PMR).
	08	11 34 05.5*	31.330	N	96.937	E	33 N			0.6	7	TIBET
	08	11 48 17.5?	37.09	N	27.93	E	10 G			1.5	4	TURKEY
	08	11 50 08.1?	6.34	S	149.77	E	33 N	4.1		1.3	7	NEW BRITAIN REGION
	08	11 56 13.9&	61.207	N	147.092	W	17				23	SOUTHERN ALASKA. <AGS-P>.
	08	12 13 19.0*	18.848	N	145.457	E	200	4.6		0.5	18	MARIANA ISLANDS
	08	12 45 33.4*	33.832	N	117.990	W	5 G			0.4	6	SOUTHERN CALIFORNIA. ML 3.0 (NEIS). Felt at Anaheim, Brea, Buena Park and Fullerton.
	08	12 47 54.9	17.014	N	62.365	W	10 G			0.4	6	LEEWARD ISLANDS. ML 2.8 (FDF).
	08	13 27 54.0%	40.577	N	23.031	E	10 G			0.6	5	GREECE
	08	13 31 56.9%	38.301	N	28.092	E	10 G			1.2	7	TURKEY
	08	13 46 07.6	66.981	N	156.243	W	5 G			0.7	28	ALASKA. ML 4.3 (PMR). Felt (IV) at Kabuk and (III) at Shungnak.
	08	13 48 34.4*	6.384	S	153.505	E	79 *	4.4		1.0	11	NEW BRITAIN REGION
	08	14 01 56.4*	11.732	S	117.172	E	33 N			1.3	6	SOUTH OF SUMBAWA ISLAND
a	08	14 28 30.9	23.427	S	179.953	W	548 D	5.6		1.1	352	SOUTH OF FIJI ISLANDS. mb 5.7 (BRK).
	08	14 58 32.6%	37.774	N	30.564	E	5 G			1.4	6	TURKEY
	08	15 25 40.9&	32.350	N	115.250	W	6 G				5	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS).
	08	16 19 08.8&	63.171	N	150.864	W	136				29	CENTRAL ALASKA. <AGS-P>.
	08	16 20 32.8*	23.550	S	179.777	E	600 G	4.5		0.5	12	SOUTH OF FIJI ISLANDS
	08	17 04 14.0*	17.720	N	95.051	W	33 N			1.1	7	OAXACA, MEXICO
	08	17 33 48.4*	60.630	N	6.231	E	10 G			0.6	8	SOUTHERN NORWAY. MD 1.7 (BER).
	08	17 51 10.5	36.134	N	140.060	E	82	4.9		1.1	104	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Utsunamiya; (II JMA) at Mito and Kumagaya; (I JMA) at

														Yokohama, Ajiro, Kawaguchi-ko and on Oshimo.
	08	17	54	43.5	36.225	N	28.086	E	87		3.9		1.1	31 DODECANESE ISLANDS
	08	18	28	59.0	7.004	S	147.415	E	84		4.9		0.6	18 EAST PAPUA NEW GUINEA REGION
	08	19	21	40.1&	62.161	N	149.395	W	36					36 CENTRAL ALASKA. <AGS-P>.
	08	20	07	45.4	43.047	N	13.319	E	10	G			1.0	10 CENTRAL ITALY. MD 2.7 (SSO).
	08	20	37	50.8*	37.459	N	11.685	E	10	G			0.3	8 SICILY
	08	20	48	06.8%	40.540	N	15.833	E	10	G			0.7	5 SOUTHERN ITALY
	08	21	21	11.9	50.698	N	129.746	W	10	G	4.2		0.8	34 VANCOUVER ISLAND REGION
	08	21	30	36.7*	15.781	S	177.738	E	22	D	4.9		1.0	26 FIJI ISLANDS
	08	22	31	31.3*	15.059	N	60.136	W	33	N			0.4	17 LEEWARD ISLANDS. ML 2.8 (FDF). MD 2.9 (TRN).
	08	22	35	06.8*	17.977	S	178.825	W	680	?	4.7		0.6	35 FIJI ISLANDS REGION
a	08	23	18	43.6	32.282	N	137.626	E	390		5.1		1.0	250 SOUTH OF HONSHU, JAPAN. Felt (II JMA) at Utsunomiyo and (I JMA) at Tokyo.
	08	23	28	28.8*	34.982	N	45.000	E	47	*	4.7		0.7	7 IRAQ
	09	00	35	07.7	45.554	N	3.554	E	5	G			1.1	18 FRANCE. ML 2.9 (LDG).
	09	01	28	42.6*	41.901	N	20.560	E	5	G			1.3	11 ALBANIA. ML 2.7 (SKO). MD 2.5 (TTG).
	09	02	00	54.0	41.890	N	20.668	E	10	G			0.5	6 ALBANIA. ML 2.0 (SKO).
a	09	02	30	37.8	28.071	N	16.156	W	23	D	5.2	4.6	1.0	202 CANARY ISLANDS REGION. Felt (V) an Tenerife and Gran Canaria.
	09	03	23	09.4	35.465	N	27.900	E	10	G			1.5	11 DODECANESE ISLANDS. MD 3.7 (ATH).
	09	04	19	41.2	42.697	N	12.719	E	10	G			0.7	7 CENTRAL ITALY. MD 2.4 (SSO).
	09	04	39	25.3%	60.074	N	5.218	E	10	G			1.0	9 SOUTHERN NORWAY. ML 1.8 (BER).
	09	05	02	03.8?	18.10	S	70.18	W	122	?			0.9	5 NEAR COAST OF NORTHERN CHILE
	09	05	16	05.1*	36.608	N	70.976	E	165	?	4.4		0.7	10 HINDU KUSH REGION
	09	05	17	47.5%	38.478	N	28.105	E	10	G			1.3	6 TURKEY
	09	05	51	13.3?	17.86	N	60.88	W	33	N			0.6	7 LEEWARD ISLANDS. MD 3.2 (FDF).
	09	06	01	24.9*	35.547	N	27.702	E	10	G			1.0	7 DODECANESE ISLANDS. MD 3.5 (ATH).
	09	06	15	53.0	38.317	N	22.737	E	10	G			1.3	6 GREECE. ML 3.3 (ATH).
	09	06	23	38.6	38.348	N	22.760	E	33	N			0.3	6 GREECE. ML 2.7 (ATH).
	09	06	25	13.1	41.876	N	20.582	E	10	G			0.7	6 ALBANIA. ML 2.5 (OHR).
	09	07	42	06.5&	59.678	N	153.362	W	127					49 SOUTHERN ALASKA. <AGS-P>.
	09	08	24	19.1*	10.015	S	161.022	E	33	N	4.3	4.4	1.5	12 SOLOMON ISLANDS
	09	10	22	43.0	38.358	N	22.590	E	10	G			1.4	8 GREECE. ML 3.2 (ATH).
	09	10	27	34.5*	20.064	S	133.997	E	10	G			0.9	5 NORTHERN TERRITORY, AUSTRALIA
	09	10	38	16.9*	19.365	N	104.801	W	65	*	4.5		1.4	40 NEAR COAST OF JALISCO, MEXICO
	09	11	41	41.0&	41.627	N	125.488	W	5	G				9 OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	09	13	11	50.1?	58.19	N	6.37	E	10	G			0.5	5 SOUTHERN NORWAY. MD 2.3 (BER).
	09	13	24	54.9?	17.69	S	179.09	W	692	?	4.5		0.8	14 FIJI ISLANDS REGION
a	09	15	34	09.6*	52.991	S	159.386	E	10	G	5.3	4.8	1.5	24 MACQUARIE ISLANDS REGION
	09	16	12	24.3&	64.642	N	156.258	W	0		4.0			32 CENTRAL ALASKA. <AGS-P>. ML 4.8 (PMR). Felt (IV) at Galena and Ruby.
	09	16	17	17.8*	22.879	N	92.504	E	105	*	4.0		0.6	6 INDIA-BANGLADESH BORDER REGION
	09	16	30	55.9?	34.10	S	71.10	W	33	N			0.8	10 NEAR COAST OF CENTRAL CHILE
	09	16	48	18.8&	62.857	N	148.221	W	67					52 CENTRAL ALASKA. <AGS-P>.
	09	18	28	45.5&	48.230	N	119.853	W	16					45 WASHINGTON. <SEA>. ML 4.4 (SEA). Slight damage (VI) at Okanagan. Felt (V) at Chelan, Caulee Dam, Malatt, Manson, Methaw and Winthrap; (IV) at Ardenvoir, Brewster, Bridgeport, Carltan, Canconully, Dryden, Electric City, Elmer City, Entiat, Grand Caulee, Hartline, Omak, Orondo, Pateras, Stehekin, Twisp, Waterville and Wenatchee.
	09	18	55	40.4&	37.388	N	122.172	W	7					20 CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt (IV) at Las Altos and (III) at Mountain View.
	09	18	56	53.7?	33.91	N	140.46	E	10	G			0.6	7 SOUTH OF HONSHU, JAPAN
	09	21	13	46.8	5.591	N	125.388	E	80		5.0		0.9	59 MINDANAO, PHILIPPINE ISLANDS
	09	21	23	43.6	45.568	N	6.798	E	5	G			0.5	13 FRANCE. ML 2.5 (GEN), 2.4 (LDG).
	09	21	42	07.0%	11.545	N	61.986	W	30	*			0.7	7 WINDWARD ISLANDS. MD 3.3 (TRN).
	09	22	17	33.2*	2.413	N	127.990	E	33	N	4.5		0.9	19 MOLUCCA PASSAGE
	09	22	31	11.7*	16.507	N	46.588	W	10	G	4.7		1.1	23 NORTH ATLANTIC RIDGE
	09	22	53	10.2?	11.93	N	141.99	E	33	N			0.1	6 WEST CAROLINE ISLANDS
a	10	01	06	49.6	22.146	S	69.303	E	10	G	5.2	5.1	0.8	94 MID-INDIAN RISE
	10	01	37	33.5	34.234	N	26.671	E	36		4.1	3.4	1.3	81 CRETE. ML 4.4 (ATH).
	10	02	25	23.2*	30.281	S	69.191	W	33	N			1.3	8 CHILE-ARGENTINA BORDER REGION
	10	03	05	29.3	39.688	N	27.905	E	19		4.2	3.5	1.3	114 TURKEY. ML 4.6 (ATH). Felt at Balikesir.
	10	03	25	28.3	39.698	N	27.910	E	19				1.3	33 TURKEY. ML 4.1 (ATH). Felt at Balikesir.
	10	03	45	59.5&	60.273	N	148.802	W	8					30 KENAI PENINSULA, ALASKA. <AGS-P>.
	10	03	50	47.6*	31.561	S	70.177	W	123	?	4.1		1.1	16 CHILE-ARGENTINA BORDER REGION. Felt (III) at San Juan, Argentina.
	10	04	23	22.6&	37.228	N	121.630	W	7					13 CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	10	05	16	12.3*	22.100	S	69.420	E	10	G	5.0	4.7	0.6	19 MID-INDIAN RISE
	10	07	01	48.4&	62.112	N	150.428	W	2					36 CENTRAL ALASKA. <AGS-P>. ML 3.2 (PMR). Felt (I) at Palmer.
	10	07	39	00.2	83.199	N	4.930	W	10	G	4.3		1.0	28 NORTH OF SVALBARD
	10	07	59	35.7%	45.560	N	7.865	E	10	G			0.2	5 NORTHERN ITALY. ML 2.3 (GEN).
	10	08	23	24.5	2.688	N	128.424	E	54	?	5.2		1.0	27 HALMAHERA
	10	09	02	27.8&	60.423	N	147.680	W	20					35 SOUTHERN ALASKA. <AGS-P>.
	10	10	06	19.8	40.230	N	143.739	E	33	N	5.1	4.7	1.1	126 OFF EAST COAST OF HONSHU, JAPAN
	10	10	08	03.5*	11.543	N	87.060	W	52	?	4.4	3.6	1.0	23 NEAR COAST OF NICARAGUA
	10	10	36	31.6%	37.281	N	27.822	E	10	G			0.5	5 TURKEY
	10	10	47	03.6%	39.900	N	27.914	E	10	G			1.1	8 TURKEY
	10	11	00	39.5*	8.266	S	129.522	E	176	?	4.4		0.5	7 TIMOR SEA
	10	12	19	18.1	41.651	N	20.443	E	10	G			1.2	6 ALBANIA. ML 2.4 (SKO).
	10	13	36	20.5%	39.730	N	27.853	E	10	G			1.5	6 TURKEY
	10	13	59	17.9*	30.032	N	99.393	E	10	G	4.4		1.4	8 SICHUAN PROVINCE, CHINA
	10	14	59	05.7	43.161	N	25.400	E	5	G			1.4	10 BULGARIA
	10	15	36	28.7&	62.343	N	150.083	W	9					35 CENTRAL ALASKA. <AGS-P>.
	10	15	45	06.3	32.865	N	141.779	E	34	*	5.0	4.0	0.9	71 SOUTH OF HONSHU, JAPAN
	10	16	13	49.0%	60.567	N	5.034	E	10	G			0.3	7 SOUTHERN NORWAY. MD 1.3 (BER).
	10	16	15	16.0%	39.754	N	27.865	E	10	G			1.2	7 TURKEY
	10	16	24	44.3&	58.784	N	139.016	W	0					12 OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>.
	10	17	13	05.1?	39.58	N	19.48	E	10	G			1.0	8 GREECE-ALBANIA BORDER REGION
	10	18	51	55.7&	62.520	N	149.362	W	57					16 CENTRAL ALASKA. <AGS-P>.
	10	19	32	39.5*	5.498	S	145.757	E	127	?	3.3		1.1	6 EAST PAPUA NEW GUINEA REGION

	10	20	05	27.4	33.313	N	75.447	E	33	N	3.9	0.5	8	EASTERN KASHMIR
	10	20	19	21.9	33.221	N	75.519	E	42	*	4.8 4 0	1.1	43	EASTERN KASHMIR. Felt in the Peshawar-Lahore area, Pakistan.
	10	21	19	00.5?	22.34	S	69.14	E	10	G	4.4	0.6	10	MID-INDIAN RISE
	10	22	18	46.1	23.282	S	69.190	W	96	D	5.3	1.0	145	NORTHERN CHILE. Felt (IV) at Chuquicamata and Calama; (III) at Antafagasta.
	10	22	23	36.5	37.052	N	27.897	E	10	G	3.7	1.0	25	TURKEY. MD 4.2 (ATH).
	10	22	35	22.7	37.046	N	27.939	E	10	G		1.1	9	TURKEY
	10	22	44	55.9%	39.261	N	29.532	E	10	G		1.5	6	TURKEY
	10	23	27	32.9?	37.16	N	27.93	E	10	G		1.3	7	TURKEY
	11	00	36	15.5	44.305	N	6.470	E	10	G		0.5	16	FRANCE. ML 2.3 (LDG).
	11	00	47	00.9&	36.923	N	121.673	W	11				16	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt at Carralitas, Moss Landing and Watsanville.
	11	01	24	26.9	42.856	N	17.701	E	10	G		1.3	19	ADRIATIC SEA. MD 3.4 (TRI), 2.7 (TTG).
	11	01	42	45.9&	60.038	N	152.978	W	112				37	SOUTHERN ALASKA. <AGS-P>.
	11	02	21	02.2?	15.30	N	99.51	W	33	N		0.8	6	OFF COAST OF GUERRERO, MEXICO
	11	02	47	44.3	51.828	N	170.093	W	33	N	5.0 4.5	1.0	84	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.5 (PMR).
	11	02	52	14.5?	16.25	N	99.75	W	33	N		1.2	5	NEAR COAST OF GUERRERO, MEXICO
	11	03	49	10.5?	66.46	N	13.10	E	10	G		1.1	5	NORTHERN NORWAY. MD 3.3 (BER).
	11	04	32	11.0%	37.036	N	27.854	E	10	G		1.1	7	TURKEY
	11	05	00	11.3&	59.748	N	150.626	W	27				31	KENAI PENINSULA, ALASKA. <AGS-P>.
	11	05	42	25.4	38.766	N	22.173	E	10	G		1.0	9	GREECE. ML 3.1 (ATH).
	11	05	44	59.4*	14.806	N	55.673	E	10	G	4.7	1.3	27	ARABIAN SEA
	11	07	35	53.5*	30.389	S	72.621	W	33	N		1.4	14	OFF COAST OF CENTRAL CHILE
	11	09	00	19.5%	42.767	N	19.125	E	10	G		0.7	6	YUGOSLAVIA. MD 2.2 (TTG).
	11	09	47	28.0?	13.81	N	60.08	W	23	*		0.6	7	WINDWARD ISLANDS. ML 3.0 (FDF).
	11	11	40	32.8%	44.643	N	6.873	E	10	G		0.5	8	FRANCE. ML 2.2 (GEN).
	11	12	18	02.8	42.453	N	24.265	E	10	G		1.2	7	BULGARIA
	11	12	24	49.9*	29.265	S	71.465	W	33	N		1.1	9	NEAR COAST OF CENTRAL CHILE
	11	12	34	11.5?	37.48	N	71.39	E	33	N	4.7	0.5	7	AFGHANISTAN-USSR BORDER REGION
	11	13	09	29.2%	43.955	N	7.467	E	10	G		1.0	8	NEAR SOUTH COAST OF FRANCE
	11	16	02	07.1	43.508	N	147.607	E	68		4.9	1.0	99	KURIL ISLANDS Felt (III) at Kurilsk. Also felt (II JMA) at Nemura, Hakkaido.
	11	16	02	18.7?	67.20	N	156.62	W	5	G		0.4	12	ALASKA
	11	16	44	58.2*	21.853	S	139.006	W	0	G	5.6	1.3	53	TUAMOTU ARCHIPELAGO REGION
	11	18	30	27.1?	55.24	N	162.31	W	33	N	4.3	2.3	5	ALASKA PENINSULA
	11	20	53	51.0	8.946	N	39.982	E	10	G	4.9 4.7	1.1	87	ETHIOPIA. ML 5.0 (ARO). Felt at Metehara.
	11	22	37	28.0*	2.609	N	127.235	E	33	N	4.9	0.7	9	MOLUCCA PASSAGE
	11	23	32	27.1	37.143	N	27.900	E	10	G		1.3	16	TURKEY. MD 3.7 (ATH).
	12	00	02	05.3*	21.316	S	179.530	W	641	*	5.0	0.6	25	FIJI ISLANDS REGION
	12	00	40	48.5	32.260	N	71.095	E	33	N	4.7	1.0	32	PAKISTAN
	12	02	37	28.6	39.662	N	27.917	E	10	G		1.3	23	TURKEY. MD 3.4 (ATH).
	12	03	58	24.2?	37.10	N	27.91	E	10	G		1.6	5	TURKEY
	12	05	33	41.6*	20.035	S	69.348	W	113	*		1.2	12	NORTHERN CHILE
	12	05	46	32.2&	59.826	N	151.033	W	39				32	KENAI PENINSULA, ALASKA. <AGS-P>.
	12	06	07	27.3	17.013	N	62.308	W	24			0.5	10	LEEWARD ISLANDS. ML 3.1 (FDF).
	12	06	38	01.8	39.294	N	23.653	E	10	G		1.1	26	AEGEAN SEA. ML 3.2 (ATH).
	12	07	28	11.0*	11.877	S	124.838	E	33	N	4.6	1.1	6	SOUTH OF TIMOR
	12	07	30	05.6*	16.456	N	94.238	W	33	N		1.3	9	OAXACA, MEXICO
	12	08	07	12.8%	36.141	N	139.879	E	33	N		0.8	6	HONSHU, JAPAN
	12	09	27	38.4	44.631	N	7.304	E	10	G		0.7	66	NORTHERN ITALY. ML 3.6 (GEN), 3.6 (LDG).
	12	11	01	31.2*	39.755	N	23.187	E	10	G		0.6	6	AEGEAN SEA
	12	11	45	38.9*	18.772	S	168.663	E	112	*	4.1	0.9	11	VANUATU ISLANDS
	12	15	04	14.2	43.477	N	110.737	W	5	G		0.7	11	WYOMING. ML 2.6 (BUT).
	12	15	05	01.3*	43.415	N	110.707	W	5	G		0.7	6	WYOMING. ML 3.1 (BUT). Felt (III) at Jackson.
	12	16	43	19.6	13.310	N	59.536	W	10	G		0.6	23	WINDWARD ISLANDS. ML 3.5 (FDF).
	12	16	59	51.4%	44.093	N	6.941	E	10	G		0.3	6	FRANCE. ML 1.9 (LDG).
	12	17	00	11.9*	40.270	N	25.880	E	10	G		1.5	8	AEGEAN SEA
	12	18	12	13.3*	37.501	N	69.614	E	33	N	4.1	1.5	8	AFGHANISTAN-USSR BORDER REGION
	12	19	26	25.3?	59.85	N	2.37	E	10	G		0.6	6	NORTH SEA. MD 2.3 (BER).
	12	20	07	04.8	67.122	N	156.588	W	5	G		0.2	12	ALASKA. ML 3.7 (PMR).
	12	21	01	36.1*	66.916	N	156.298	W	5	G		0.2	7	ALASKA. ML 3.6 (PMR).
	12	22	15	54.2*	36.067	N	29.379	E	10	G		1.3	7	TURKEY
a	12	22	25	25.8	12.952	N	87.947	W	57	D	5.4	1.3	49	NEAR COAST OF NICARAGUA. MD 5.3 (HDC).
	12	23	03	37.8%	33.440	S	70.590	W	33	N		1.5	6	CHILE-ARGENTINA BORDER REGION
	12	23	07	41.5?	35.05	N	23.10	E	10	G		0.5	5	CRETE. MD 3.8 (ATH).
	12	23	14	58.8	28.810	N	142.373	E	33	N	5.0	0.9	69	BONIN ISLANDS REGION
	13	00	14	48.7?	12.26	N	143.83	E	33	N		0.8	6	SOUTH OF MARIANA ISLANDS
	13	00	43	39.9&	60.494	N	144.790	W	0				19	SOUTHERN ALASKA. <AGS-P>.
	13	01	05	56.6&	59.129	N	138.110	W	0				9	SOUTHEASTERN ALASKA. <AGS-P>.
	13	01	10	03.4	42.548	N	13.271	E	10	G		0.3	7	CENTRAL ITALY. MD 2.1 (SSO).
	13	02	02	33.2&	35.040	N	118.920	W	12				14	CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	13	02	19	57.9*	36.635	N	23.619	E	33	N		0.8	8	SOUTHERN GREECE
	13	03	12	54.4&	66.899	N	156.090	W	10				9	ALASKA. <AGS-P>.
a	13	03	35	02.8	50.103	N	105.360	E	36	D	5.6 5.6	1.1	273	USSR-MONGOLIA BORDER REGION
	13	04	18	32.3	46.038	N	14.746	E	10	G		0.5	11	YUGOSLAVIA. Felt (IV) at Litija, Kresnice and Dalska.
	13	04	36	32.8&	59.464	N	152.671	W	82				51	SOUTHERN ALASKA. <AGS-P>.
	13	04	41	20.6?	52.44	N	168.51	W	33	N	4.8	1.4	11	FOX ISLANDS, ALEUTIAN ISLANDS
	13	06	25	22.0	39.199	N	23.702	E	10	G		1.1	24	AEGEAN SEA. ML 3.1 (ATH).
	13	06	42	30.3&	56.321	N	148.193	W	12		4.5		34	GULF OF ALASKA. <AGS-P>.
	13	11	39	14.5*	21.400	S	178.822	W	410	?	4.8	1.3	33	FIJI ISLANDS REGION
	13	11	44	30.3*	25.603	N	142.470	E	33	N	4.6	0.9	13	VOLCANO ISLANDS REGION
a	13	12	15	04.1	18.983	N	107.519	W	33	N	4.9 4.9	1.0	67	OFF COAST OF JALISCO, MEXICO
	13	12	31	43.7*	14.194	N	146.702	E	80	*		0.7	13	MARIANA ISLANDS
	13	12	39	46.1	41.194	N	22.462	E	10	G		1.1	28	YUGOSLAVIA. MD 3.4 (ATH). ML 3.2 (SKO).
	13	13	39	38.1*	7.543	S	129.519	E	33	N		0.7	6	BANDA SEA
	13	13	42	55.4	15.231	N	61.103	W	106	*		0.7	19	LEEWARD ISLANDS
	13	16	08	13.9%	15.895	N	60.251	W	10	G		0.4	10	LEEWARD ISLANDS
	13	18	48	51.5%	44.572	N	7.130	E	10	G		0.3	8	NORTHERN ITALY. ML 2.4 (GEN).
	13	19	37	40.7	66.933	N	156.195	W	5	G		0.5	14	ALASKA
	13	21	01	48.8&	38.473	N	108.924	W	8				12	COLORADO. <SLC-P>. MD 3.1 (SLC).
	13	21	35	39.3	4.154	N	122.547	E	617	*	4.8	0.9	34	CELEBES SEA
	13	21	58	18.1*	33.160	S	70.022	W	33	N		1.5	13	CHILE-ARGENTINA BORDER REGION

a	13	23	19	41.8	35.220	N	91.575	E	33	N	4 9 4.9	1.3	76	QINGHAI PROVINCE, CHINA
	13	23	42	34.3	41.069	N	20.152	E	10	G		1.3	32	ALBANIA. ML 3.0 (TTG), 3.0 (SKO).
	13	23	52	21.0&	61.540	N	149.985	W	37				24	SOUTHERN ALASKA. <AGS-P>.
	14	00	14	41.0&	60.111	N	152.493	W	78				26	SOUTHERN ALASKA. <AGS-P>.
	14	00	16	09.5&	36.740	N	89.710	W	2				43	NEW MADRID, MISSOURI REGION. <SLM>. mbLg 3.7 (NEIS), 3.7 (TUL). Felt (V) at Hayti; (IV) at Canalou and Matthews; (III) at Cooter, Daniphan, Fredericktown, Grayridge, Kewanee, New Madrid, Risco, Senath and Sikeston. Also felt (III) at Pollard, Arkansas and Bardwell, Hickman and Kevil, Kentucky.
	14	00	41	09.0	41.051	N	20.177	E	10	G	3.4	1.4	61	ALBANIA. ML 3.8 (SKO). MD 3.7 (TTG). Felt (IV) at Librazhd and (III) at Elbasan.
f	14	00	59	50.4	30.523	S	178.414	W	44	G	5.9 6.6	1.1	396	KERMADEC ISLANDS. Ms 6.4 (BRK), 6.3 (PAS). Mo=2.5*10**19 Nm (PPT). Felt (IV) on Raoul. Two events about 5 seconds apart. Depth from braadband displacement seismagrams based an second event.
	14	01	34	54.6?	30.72	S	177.96	W	33	N		1.5	12	KERMADEC ISLANDS
	14	02	13	30.0%	44.439	N	7.344	E	10	G		0.4	7	NORTHERN ITALY. ML 2.0 (GEN).
	14	02	31	41.9?	13.32	N	59.98	W	10	G		0.2	9	WINDWARD ISLANDS. ML 3.1 (FDF).
	14	04	28	37.5&	61.214	N	146.913	W	3				22	SOUTHERN ALASKA. <AGS-P>.
	14	06	32	09.7	38.209	N	15.038	E	10	G		1.1	7	SICILY
	14	06	34	20.8*	32.720	S	71.407	W	10	G		1.4	9	NEAR COAST OF CENTRAL CHILE
	14	06	52	55.6%	61.235	N	3.858	E	10	G		1.1	6	NORWEGIAN SEA. MD 2.0 (BER).
	14	07	32	48.2?	22.55	S	66.35	W	317	?		0.6	7	JUJUY PROVINCE, ARGENTINA
	14	07	49	22.2	45.620	N	27.681	E	10	G		0.9	9	ROMANIA
	14	08	03	31.0	25.231	S	179.971	E	512		5.1	1.2	89	SOUTH OF FIJI ISLANDS
	14	08	41	45.0*	16.431	N	62.481	W	10	G		1.4	6	LEEWARD ISLANDS. ML 2.9 (FDF).
	14	08	55	39.4*	15.534	N	93.333	W	33	N		1.4	7	NEAR COAST OF CHIAPAS, MEXICO
a	14	09	10	25.3	2.922	S	127.669	E	33	N	5.4 4.7	1.4	115	CERAM SEA
a	14	09	40	46.5	13.733	S	66.248	E	10	G	5.2 5.6	1.3	172	MID-INDIAN RISE
	14	11	32	56.8&	60.409	N	147.749	W	15				33	SOUTHERN ALASKA. <AGS-P>.
	14	11	46	55.9*	50.844	N	51.243	E	33	N	4.5	1.3	21	WESTERN KAZAKH SSR
	14	11	58	30.2&	60.204	N	153.170	W	145				29	SOUTHERN ALASKA. <AGS-P>.
	14	12	32	09.1?	41.21	N	24.50	E	10	G		1.4	6	GREECE-BULGARIA BORDER REGION
	14	12	47	10.9&	11.253	N	85.595	W	162				7	NICARAGUA. <HDC>. MD 4.4 (HDC).
	14	12	59	00.1	39.164	N	23.567	E	10	G		0.4	12	AEGEAN SEA. ML 2.9 (ATH).
	14	15	17	08.6&	8.344	N	82.890	W	38				20	PANAMA-COSTA RICA BORDER REGION. <HDC>. MD 4.3 (HDC).
a	14	17	05	05.1	7.439	S	128.048	E	112		5.3	1.2	97	BANDA SEA
	14	18	18	44.2?	44.25	N	148.84	E	33	N	4.9	1.5	12	KURIL ISLANDS
	14	19	12	39.7?	16.56	N	61.09	W	10	G		1.7	5	LEEWARD ISLANDS. ML 2.7 (FDF).
	14	20	35	16.0?	18.69	N	146.33	E	91	*		0.3	8	MARIANA ISLANDS
	14	21	35	19.1&	61.701	N	146.684	W	14				23	SOUTHERN ALASKA. <AGS-P>.
	14	21	58	16.9	46.268	N	13.220	E	10	G		1.0	9	AUSTRIA. MD 2.7 (LJU), 2.7 (TRI). ML 2.3 (KBA).
a	14	22	53	36.2	52.671	N	35.037	W	10	G	5.0 5.4	1.5	168	NORTH ATLANTIC OCEAN
	14	23	13	13.3*	35.252	N	26.869	E	10	G		0.6	8	CRETE. MD 3.9 (ATH).
	15	00	23	19.1?	9.26	S	66.70	E	10	G		1.0	6	MID-INDIAN RISE
	15	00	57	28.2*	17.648	S	178.707	W	654	?	4.8	0.7	24	FIJI ISLANDS REGION
	15	01	10	29.9&	62.653	N	151.300	W	94				18	CENTRAL ALASKA. <AGS-P>.
	15	01	34	37.0*	10.550	S	165.040	E	93	*	5.1	1.0	32	SANTA CRUZ ISLANDS
	15	02	15	12.8&	60.680	N	152.163	W	85				23	SOUTHERN ALASKA. <AGS-P>.
	15	04	43	39.6	52.220	N	157.369	E	89	?	4.9	1.0	50	KAMCHATKA
	15	05	10	22.5*	5.143	S	129.711	E	219	?	4.4	0.8	13	BANDA SEA
	15	06	13	31.3	18.365	S	67.937	W	203	D	4.8	1.1	99	BOLIVIA
	15	06	49	54.3?	28.19	N	128.43	E	33	N	3.9	1.6	6	RYUKYU ISLANDS
	15	08	33	27.1	45.097	N	6.781	E	10	G		1.4	18	FRANCE. ML 2.5 (LDG), 2.4 (GEN).
	15	09	22	42.6	38.311	N	21.816	E	34		4.8 4.5	1.4	174	GREECE. ML 4.5 (TTG), 4.3 (ATH). Minor damage at Patras.
	15	09	37	12.5?	35.97	N	0.81	W	10	G		0.6	6	ALGERIA. mbLg 3.5 (MDD).
	15	09	48	38.8	37.749	N	14.312	E	10	G		1.0	8	SICILY
	15	09	50	42.5*	37.035	N	27.842	E	10	G		0.4	5	TURKEY
	15	09	54	39.7	43.118	N	147.967	E	33	*	5.0 4.0	0.9	71	KURIL ISLANDS
	15	11	09	54.4%	44.385	N	6.345	E	10	G		0.4	6	FRANCE. ML 2.2 (LDG).
	15	11	25	32.9*	52.968	N	167.186	W	33	N	4.7	1.0	12	FOX ISLANDS, ALEUTIAN ISLANDS
	15	11	39	31.8*	52.848	N	167.132	W	33	N	4.6	0.8	14	FOX ISLANDS, ALEUTIAN ISLANDS
	15	11	56	00.7&	58.282	N	155.106	W	0				21	ALASKA PENINSULA. <AGS-P>. ML 3.3 (PMR).
	15	11	58	34.0	71.140	N	6.729	W	10	G		1.2	9	JAN MAYEN ISLAND REGION
	15	12	10	18.0*	38.255	N	21.741	E	10	G		1.4	7	GREECE. MD 3.3 (ATH).
	15	13	10	00.0&	37.108	N	116.121	W	0		4.4		48	SOUTHERN NEVADA. <DOE>. ML 4.4 (BRK). 37° 06' 27.40" N., 116° 07' 15.19" W., Surface Elev. 1365 m., Depth of Buriol 400 m., Shot Time 131000.087, "PALISADE," Nevada Test Site (Dept. of Energy).
	15	13	45	47.0*	51.507	N	169.302	W	33	N	4.7	1.1	11	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (PMR).
	15	15	39	38.0&	36.690	N	121.353	W	2				26	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
	15	15	40	03.8*	42.590	N	26.000	E	10	G		1.4	6	BULGARIA
	15	16	03	32.4*	17.359	N	100.774	W	10	G		1.3	11	GUERRERO, MEXICO
	15	17	14	27.3?	44.64	N	6.70	E	0	G		0.3	4	FRANCE. ML 2.3 (GEN).
	15	18	02	27.1?	32.58	S	31.22	E	10	G		1.5	8	OFF COAST OF SOUTH AFRICA
a	15	18	05	38.2	24.087	N	122.278	E	47		5.2	0.9	131	TAIWAN REGION
	15	18	12	55.2	16.643	S	173.872	W	86	*	5.5	0.9	152	TONGA ISLANDS
a	15	18	16	16.8	1.550	N	127.268	E	106	*	5.5	1.1	91	HALMAHERA
a	15	19	24	26.3	43.212	N	147.879	E	33	N	5.2 4.9	1.0	169	KURIL ISLANDS. Felt (I JMA) at Hiroa, Hokkaido.
	15	19	43	43.1	4.612	S	154.946	E	495		5.1	0.9	89	SOLOMON ISLANDS
	15	19	53	44.1	7.844	N	126.903	E	33	N	4.7	0.8	22	MINDANAO, PHILIPPINE ISLANDS
	15	20	15	58.6?	32.54	S	71.93	W	21			0.4	9	NEAR COAST OF CENTRAL CHILE
	15	20	36	41.6	39.279	N	23.417	E	22			1.1	25	AEGEAN SEA. ML 3.1 (ATH).
	15	20	42	19.3&	61.014	N	150.429	W	4				23	SOUTHERN ALASKA. <AGS-P>.
	15	20	48	29.4	19.299	N	145.290	E	199		4.8	0.8	34	MARIANA ISLANDS
	15	21	02	58.2*	42.971	N	148.158	E	33	N	4.6	1.5	10	OFF COAST OF HOKKAIDO, JAPAN
a	15	21	23	51.4	45.472	N	151.693	E	33	N	5.3 4.9	1.0	176	KURIL ISLANDS
	15	22	03	04.5&	40.282	N	122.102	W	12				9	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
	15	23	20	11.1*	49.782	N	97.520	E	33	N		1.2	9	USSR-MONGOLIA BORDER REGION
a	15	23	34	33.6	9.803	S	159.531	E	24	G	5.9 5.9	1.0	263	SOLOMON ISLANDS. Ms 5.7 (BRK). Mo=1.3*10**18 Nm (PPT). Depth from braadband displacement seismograms.

	16	01	30	22.7	45.471	N	26.225	E	128	*	3.5		1.1	24	ROMANIA
	16	02	57	15.9&	11.180	N	85.632	W	156					10	NICARAGUA. <HDC>. MD 4.3 (HDC).
	16	04	07	59.3&	62.379	N	142.750	W	5					29	CENTRAL ALASKA. <AGS-P>. ML 3.9 (PMR).
	16	04	38	59.8	37.753	N	21.105	E	10	G			1.3	11	SOUTHERN GREECE. ML 3.5 (ATH).
	16	06	03	24.3&	62.354	N	142.760	W	0					13	CENTRAL ALASKA. <AGS-P>.
	16	08	39	36.4&	40.300	N	124.400	W	22					8	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.6 (BRK).
	16	09	48	50.9*	43.500	N	83.625	E	33	N	4.3		1.0	10	NORTHERN XINJIANG, CHINA
	16	11	04	36.0*	38.686	N	14.357	E	10	G			1.0	5	SICILY
a	16	12	21	10.7	43.555	N	127.632	W	10	G	5.3	5.3	1.2	209	OFF COAST OF OREGON
	16	12	23	10.6	10.403	N	93.439	E	105	*	4.3		1.0	27	ANDAMAN ISLANDS REGION
	16	12	52	20.7*	31.607	S	71.871	W	59	?			1.5	13	NEAR COAST OF CENTRAL CHILE
	16	12	56	57.1?	5.01	S	147.28	E	128	*	4.4		1.3	7	EAST PAPUA NEW GUINEA REGION
	16	13	13	33.8*	39.902	N	25.600	E	10	G			0.3	6	AEGEAN SEA. MD 3.0 (ATH).
	16	14	07	25.2	2.992	S	130.317	E	33	N	4.9		1.3	52	CERAM
	16	14	22	40.6*	43.913	N	149.551	E	33	N	4.4		1.3	15	KURIL ISLANDS REGION
	16	14	30	07.5*	6.680	S	130.361	E	127	*	4.6		1.1	12	BANDA SEA
	16	15	25	19.8	45.285	N	151.808	E	33	N	4.9	4.2	1.1	66	KURIL ISLANDS
	16	15	49	12.6?	6.97	N	73.15	W	158	*			1.6	7	NORTHERN COLOMBIA
a	16	16	01	00.4	45.394	N	151.772	E	33	N	5.5	4.9	1.0	191	KURIL ISLANDS
	16	17	05	11.1&	59.598	N	151.699	W	49		4.6			86	KENAI PENINSULA, ALASKA. <AGS-P>. ML 4.3 (PMR). Felt (IV) at Homer.
a	16	17	22	52.9	56.329	S	139.125	W	10	G	5.8	5.8	1.1	118	SOUTH PACIFIC CORDILLERA. Mo=2.0*10**18 Nm (PPT).
	16	20	03	22.7?	10.27	N	60.46	W	27	*			1.0	10	TRINIDAD. MD 3.5 (TRN).
	16	20	38	00.0*	16.027	N	98.448	W	33	N			1.1	11	NEAR COAST OF GUERRERO, MEXICO
	16	21	07	54.6?	49.29	N	6.90	E	10	G			1.2	5	GERMANY
	16	21	11	03.7*	76.746	N	5.728	E	10	G			1.2	14	SVALBARD REGION
	16	21	14	50.3%	37.949	N	1.513	W	10	G			0.4	5	SPAIN. mbLg 2.8 (MDD).
	16	21	19	33.7?	51.53	N	16.21	E	10	G			0.6	8	POLAND. ML 3.7 (VKA).
	16	21	44	53.5&	61.486	N	151.033	W	61					22	SOUTHERN ALASKA. <AGS-P>.
	16	22	15	30.6*	35.943	N	92.045	E	33	N	4.2		1.5	15	QINGHAI PROVINCE, CHINA
	16	22	46	18.8	42.109	N	21.339	E	10	G			0.5	7	YUGOSLAVIA. ML 2.3 (SKO).
	16	22	59	39.2*	35.716	N	140.754	E	61	*	4.4		1.4	30	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Utsunomiya.
	16	23	26	56.2	52.271	N	168.308	W	33	N	4.9		1.0	103	FOX ISLANDS, ALEUTIAN ISLANDS
	17	00	58	26.5&	59.646	N	152.258	W	73					23	SOUTHERN ALASKA. <AGS-P>.
	17	01	09	51.0	44.657	N	6.914	E	10	G			0.4	15	FRANCE. ML 2.3 (GEN), 2.0 (LDG).
	17	01	30	31.9%	44.367	N	7.334	E	10	G			0.2	5	NORTHERN ITALY. ML 1.8 (GEN).
	17	03	36	38.3?	10.43	S	161.29	E	80	*			0.1	6	SOLOMON ISLANDS
	17	04	21	18.4*	17.934	S	69.565	W	154				0.9	12	PERU-BOLIVIA BORDER REGION
	17	04	45	44.1?	13.94	N	90.79	W	33	N			1.3	11	NEAR COAST OF GUATEMALA
a	17	05	04	35.9	57.086	N	122.018	E	31	D	5.6	5.9	1.1	373	EASTERN USSR. Ms 5.8 (BRK).
	17	05	46	50.0	7.158	S	129.432	E	111	*	5.0		1.0	42	BANDA SEA
	17	05	59	58.1%	44.644	N	6.876	E	10	G			0.1	8	FRANCE. ML 2.5 (GEN).
	17	06	12	17.5*	45.319	N	7.799	E	10	G			1.0	5	NORTHERN ITALY. ML 1.8 (GEN).
	17	07	00	11.6%	44.303	N	6.705	E	10	G			0.2	10	FRANCE. ML 2.2 (GEN).
	17	07	14	41.0*	32.800	S	71.587	W	33	N			1.0	11	NEAR COAST OF CENTRAL CHILE
	17	08	24	24.1	22.872	S	66.306	W	257		4.5		1.0	22	JUJUY PROVINCE, ARGENTINA
	17	09	05	11.1*	6.847	N	94.982	E	59	?	4.0	4.2	1.4	21	NICOBAR ISLANDS REGION
	17	09	30	31.9*	20.862	S	66.419	W	279	*			1.5	13	SOUTHERN BOLIVIA
	17	10	25	36.1	6.889	S	156.238	E	142		5.0		1.0	36	SOLOMON ISLANDS
	17	11	54	14.9	42.119	N	24.576	E	20	*			0.6	7	BULGARIA
	17	12	15	47.5	44.391	N	7.148	E	10	G			0.4	28	NORTHERN ITALY. ML 2.7 (LDG), 2.6 (GEN).
	17	12	42	28.8?	61.84	N	2.51	E	10	G			0.9	8	NORWEGIAN SEA. MD 2.6 (BER).
	17	13	59	21.1%	43.137	N	18.782	E	10	G			0.8	5	YUGOSLAVIA. MD 2.3 (TTG).
a	17	15	31	42.5*	8.660	S	109.294	W	10	G	4.9	5.0	1.1	18	NORTHERN EASTER I. CORDILLERA
	17	15	55	15.6?	56.12	N	122.18	E	33	N	4.5		0.9	7	EASTERN USSR
a	17	16	12	54.5*	62.104	S	154.634	E	10	G	5.0	5.3	1.3	18	BALLENY ISLANDS REGION
	17	16	39	54.1*	34.683	N	140.005	E	104	?	4.4		0.5	16	NEAR EAST COAST OF HONSHU, JAPAN
	17	16	45	13.8?	61.08	N	2.97	E	10	G			1.1	7	NORWEGIAN SEA. MD 1.9 (BER).
	17	16	49	17.4%	47.158	N	0.262	E	10	G			1.4	10	FRANCE. ML 2.7 (LDG).
	17	18	07	42.6*	9.717	S	159.638	E	33	N	4.5	4.2	0.9	19	SOLOMON ISLANDS
	17	18	15	57.7	42.957	N	19.297	E	10	G			0.9	14	YUGOSLAVIA. MD 2.5 (TTG).
a	17	18	16	14.6	7.825	N	127.025	E	48	?	4.9	4.0	1.5	52	PHILIPPINE ISLANDS REGION
	17	18	18	43.1	46.744	N	154.192	E	33	N	5.0	4.3	0.9	79	KURIL ISLANDS REGION
	17	18	20	21.6	7.562	S	156.796	E	408		4.5		0.9	41	SOLOMON ISLANDS
	17	18	56	31.1*	29.912	N	99.329	E	33	N			1.1	6	SICHUAN PROVINCE, CHINA
	17	19	13	39.0&	11.122	N	85.531	W	163					8	NICARAGUA. <HDC>. MD 4.3 (HDC).
	17	19	28	27.9*	40.692	N	30.091	E	10	G			1.0	10	TURKEY
	17	19	48	34.3*	40.790	N	30.217	E	10	G			0.7	7	TURKEY
	18	01	06	57.7%	33.545	S	70.978	W	33	N			1.0	9	CHILE-ARGENTINA BORDER REGION
	18	01	53	21.4	17.038	N	62.315	W	10	G			0.4	6	LEEWARD ISLANDS. MD 2.3 (TRN).
	18	02	12	13.7	37.997	N	20.287	E	10	G			1.1	16	IONIAN SEA. ML 3.6 (ATH).
	18	02	40	11.8	38.971	N	27.759	E	10	G			1.2	11	TURKEY. MD 3.2 (ATH).
	18	02	55	53.8	23.741	N	93.163	E	33	N	1.8		0.3	9	BURMA-INDIA BORDER REGION
	18	03	33	19.0	36.452	N	35.391	E	10	G			0.9	8	TURKEY
	18	04	40	36.2&	60.246	N	151.695	W	59					31	KENAI PENINSULA, ALASKA. <AGS-P>.
	18	04	45	14.8*	5.591	S	150.677	E	94	*	4.4		0.8	13	NEW BRITAIN REGION
	18	07	46	19.2	7.724	S	74.403	W	160	*	4.8		0.9	24	PERU-BRAZIL BORDER REGION
	18	07	59	22.1&	58.588	N	151.644	W	72					41	KODIAK ISLAND REGION. <AGS-P>.
	18	08	59	41.1*	38.692	N	20.389	E	10	G			1.4	12	GREECE
	18	09	54	24.1*	3.638	N	127.822	E	140	?			1.2	21	TALAUD ISLANDS
	18	11	03	41.6%	44.620	N	7.055	E	10	G			0.2	11	NORTHERN ITALY. ML 1.9 (GEN).
	18	11	59	04.3%	44.474	N	7.047	E	10	G			0.2	8	NORTHERN ITALY. ML 1.8 (GEN).
	18	12	21	44.4%	44.535	N	7.206	E	10	G			0.5	7	NORTHERN ITALY. ML 1.6 (GEN).
	18	13	18	43.5	39.566	N	120.336	W	5	G			0.9	11	NORTHERN CALIFORNIA. ML 2.9 (BRK).
	18	13	42	31.6?	19.52	N	66.38	W	10	G			0.3	5	PUERTO RICO REGION
	18	13	44	54.6?	53.24	N	167.50	W	33	N	4.8		0.9	18	FOX ISLANDS, ALEUTIAN ISLANDS
	18	13	47	44.2?	53.58	N	167.87	W	33	N	4.7		1.8	8	FOX ISLANDS, ALEUTIAN ISLANDS
	18	14	17	34.9	36.243	N	26.506	E	33	N			0.9	9	DODECANESE ISLANDS. MD 3.7 (ATH).
	18	16	00	36.8&	60.182	N	153.095	W	124					33	SOUTHERN ALASKA. <AGS-P>.
	18	16	36	44.6	32.734	N	132.145	E	53	*	4.2		1.1	19	SHIKOKU, JAPAN. Felt (II JMA) at Uwajima and (I JMA) at Oita, Kyushu.
	18	17	33	16.0?	13.42	S	130.92	E	10	G			0.8	5	NORTHERN TERRITORY, AUSTRALIA

	18	17	37	36.6	39.128	N	21.921	E	10	G			1.3	20	GREECE. MD 3.5 (ATH).
	18	19	07	18.4?	51.33	N	176.60	W	33	N	4	7	1.5	8	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	18	21	30	53.2*	34.264	N	26.773	E	93	?	3.4		1.1	13	CRETE
o	18	22	00	39.6	17.852	N	147.009	E	56	*	5.5	5.1	1.1	162	MARIANA ISLANDS REGION
	18	22	58	02.0*	38.254	N	23.142	E	10	G			1.5	8	GREECE. ML 2.7 (ATH).
	18	23	58	41.3&	61.764	N	151.673	W	99					39	SOUTHERN ALASKA. <AGS-P>.
	19	01	14	13.1?	11.08	S	166.99	E	75	?	4.4		1.3	22	SANTA CRUZ ISLANDS
	19	01	15	35.1&	58.685	N	155.965	W	156					15	ALASKA PENINSULA. <AGS-P>.
	19	01	38	07.6*	30.918	S	68.977	W	10	G			1.3	10	SAN JUAN PROVINCE, ARGENTINA
	19	01	59	32.1	17.845	N	146.940	E	66	*	4.8		1.0	38	MARIANA ISLANDS
	19	02	01	57.1?	34.27	S	71.56	W	10	G			0.7	8	NEAR COAST OF CENTRAL CHILE
	19	02	07	04.4*	43.426	S	92.120	E	10	G	5.0		0.9	23	SOUTHEAST INDIAN RISE
f	19	02	21	56.3	54.305	N	165.574	W	104	G	6.1		1.0	611	FOX ISLANDS, ALEUTIAN ISLANDS. mb 5.4 (BRK). Mo=3.0*10**18 Nm (PPT). Felt (V) on Unalaska and Akutan and (IV) at Cold Bay and False Pass. Depth from broadband displacement seismograms.
	19	02	43	43.4%	44.734	N	7.239	E	10	G			0.4	10	NORTHERN ITALY. ML 2.3 (GEN).
	19	02	45	37.0*	17.776	S	168.128	E	76				0.9	15	VANUATU ISLANDS
	19	02	46	47.9	1.710	S	77.832	W	164		4.7		0.7	67	ECUADOR
	19	03	34	08.1	30.094	N	99.568	E	33	N	4.8		1.1	103	SICHUAN PROVINCE, CHINA
	19	05	49	36.4	15.672	N	60.432	W	10	G			0.8	8	LEEWARD ISLANDS. ML 2.8 (FDF).
	19	06	23	20.7	40.162	N	141.924	E	76		4.5		1.2	42	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Miyako; (II JMA) at Mita, Morioka and Ofunoto.
	19	07	14	07.2	42.068	N	19.167	E	10	G			1.1	7	YUGOSLAVIA. MD 2.0 (TTG).
	19	10	10	41.3?	45.62	N	6.31	E	10	G			1.1	6	FRANCE. ML 2.3 (GEN).
	19	10	16	05.0?	18.97	N	66.79	W	10	G			0.9	6	PUERTO RICO REGION
	19	10	22	12.0*	39.112	N	23.389	E	10	G			1.6	5	AEGEAN SEA. ML 2.8 (ATH).
	19	10	47	23.1&	36.808	N	121.543	W	6					16	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	19	11	50	06.9*	2.306	N	128.138	E	216	?	4.7		1.2	18	HALMAHERA
a	19	11	50	54.3	24.839	S	70.019	W	52	D	5.5		1.0	155	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Antofagasta.
	19	12	20	58.2?	23.20	N	141.59	E	33	N	4.6		0.6	6	VOLCANO ISLANDS REGION
	19	12	36	50.5*	34.122	S	70.666	W	71				0.6	12	CHILE-ARGENTINA BORDER REGION
	19	12	51	41.1*	4.102	S	141.847	E	109	*	4.7		1.2	10	PAPUA NEW GUINEA
	19	13	42	17.9	10.088	N	93.047	E	33	N	4.6		0.9	20	ANDAMAN ISLANDS REGION
	19	14	37	20.8	50.579	N	5.538	E	14				0.4	7	BELGIUM. MD 2.1 (DOU).
	19	16	10	54.5*	0.170	N	122.006	E	217	?	4.6		0.8	21	MINAHASSA PENINSULA
	19	16	28	49.1?	66.99	N	156.24	W	5	G			0.3	9	ALASKA
	19	18	00	37.9	36.882	N	23.076	E	89		4.1		1.3	106	SOUTHERN GREECE
	19	18	47	41.7	5.464	N	127.422	E	33	N	4.9		1.1	28	PHILIPPINE ISLANDS REGION
	19	19	09	12.1	39.611	N	27.766	E	10	G			1.2	8	TURKEY
	19	19	37	45.5	8.489	S	114.634	E	141	*	4.9		0.9	35	BALI ISLAND REGION
	19	21	43	25.4?	29.25	S	72.76	W	33	N			0.8	10	OFF COAST OF CENTRAL CHILE
	19	22	20	39.7&	59.580	N	150.682	W	34					22	KENAI PENINSULA, ALASKA. <AGS-P>.
	19	22	21	40.2	42.749	N	13.006	E	10	G			0.3	6	CENTRAL ITALY. MD 2.2 (SSO).
	19	23	10	08.6*	37.191	N	28.033	E	10	G			1.3	5	TURKEY
	20	00	19	10.8	40.681	N	23.355	E	10	G			0.7	15	GREECE. MD 3.3 (ATH). ML 3.2 (SKO).
	20	01	28	04.2*	36.848	N	26.279	E	10	G			0.9	7	DODECANESE ISLANDS. MD 3.4 (ATH).
	20	05	59	37.3	20.009	S	169.268	E	33	N	5.5	4.5	1.3	155	VANUATU ISLANDS
	20	07	10	17.9	40.221	N	63.765	E	33	N	4.5		0.8	34	UZBEK SSR. Felt (III) at Gazli.
	20	08	14	32.1?	32.12	S	70.16	W	33	N			1.4	9	CHILE-ARGENTINA BORDER REGION
	20	08	15	53.7*	43.438	N	12.980	E	10	G			0.4	5	CENTRAL ITALY
	20	08	57	26.8&	36.578	N	121.212	W	4					16	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	20	10	46	29.3*	7.158	S	151.223	E	33	N			1.0	5	NEW BRITAIN REGION
	20	10	50	29.6%	43.971	N	8.023	E	10	G			0.1	7	CORSICA. ML 2.2 (GEN).
	20	12	07	39.8	38.741	N	23.489	E	10	G			0.7	12	GREECE. MD 3.2 (ATH).
	20	12	28	43.1	23.333	N	125.822	E	33	N	5.1		1.0	68	SOUTHWESTERN RYUKYU ISLANDS
	20	13	02	02.3	36.485	N	70.837	E	213		4.8		0.9	164	HINDU KUSH REGION. Felt (III) at Ishkashim, Khorag and Dushanbe; (II) at Tashkent, USSR.
	20	13	08	39.7*	17.076	N	120.778	E	33	N	4.8		1.5	27	LUZON, PHILIPPINE ISLANDS
	20	14	18	20.9	34.996	N	29.327	E	10	G			0.8	9	EASTERN MEDITERRANEAN SEA
	20	15	28	50.4*	44.551	N	141.360	E	227	?	4.2		0.9	22	HOKKAIDO, JAPAN REGION
	20	15	35	41.5	6.727	S	75.752	W	33	N	5.0		1.3	42	NORTHERN PERU
f	20	16	01	43.6	30.508	S	178.270	W	29	G	5.7	5.9	1.3	335	KERMADEC ISLANDS. Ms 6.0 (BRK), 5.4 (PAS). Depth from broadband displacement seismograms.
	20	16	35	05.1	43.645	N	127.441	W	10	G	4.3		0.4	31	OFF COAST OF OREGON
	20	16	36	48.2*	36.263	N	141.391	E	28		4.7		1.4	21	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito and (I JMA) at Onahama.
	20	16	44	13.6%	15.711	N	60.822	W	10	G			0.8	7	LEEWARD ISLANDS. ML 2.6 (FDF).
	20	16	58	05.8	17.274	N	62.280	W	10	G			0.7	18	LEEWARD ISLANDS. ML 4.0 (FDF).
	20	17	59	04.6&	60.321	N	151.025	W	44					36	KENAI PENINSULA, ALASKA. <AGS-P>.
	20	18	09	27.5	11.954	N	57.817	E	10	G	4.7		1.2	51	ARABIAN SEA
a	20	20	44	02.2	39.553	N	40.172	E	38		5.0	5.1	1.2	264	TURKEY. Twenty houses were damaged and several cattle killed in the Erzincan area.
	20	21	37	23.0*	58.169	N	32.147	W	10	G	4.3		1.1	9	NORTH ATLANTIC OCEAN
	20	21	40	00.8?	9.68	S	124.44	E	128	?	4.5		1.4	10	TIMOR
	20	22	03	19.2	53.636	N	169.338	E	33	N	4.7	4.6	1.0	57	KOMANDORSKY ISLANDS REGION
	20	22	49	04.3	42.574	N	13.146	E	10	G			0.3	11	CENTRAL ITALY. MD 2.6 (SSO).
	21	01	14	08.3?	41.69	N	12.86	E	10	G			0.1	4	SOUTHERN ITALY
	21	01	55	57.3?	22.08	S	68.83	W	33	N			0.8	5	NORTHERN CHILE
	21	02	15	14.3&	36.200	N	120.300	W	6					14	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Felt (II) at Coalinga.
	21	02	15	41.0	45.497	N	26.359	E	148		4.3		0.9	65	ROMANIA
	21	02	57	08.2	35.270	N	136.886	E	47	*			0.6	10	SOUTHERN HONSHU, JAPAN. MG 3.4 (JMA). Felt (I JMA) at Nagaya.
	21	03	35	13.7?	20.34	S	174.99	W	75	D	4.6		1.2	6	TONGA ISLANDS
	21	03	40	53.9	44.478	N	10.890	E	13				1.2	33	NORTHERN ITALY. MD 3.3 (ROM). ML 3.1 (KBA).
	21	03	51	10.6?	40.01	N	27.46	E	10	G			0.7	4	TURKEY
	21	03	53	38.8	38.282	N	21.679	E	10	G	3.4		0.9	8	GREECE. MD 3.4 (ATH).
a	21	04	03	42.2	31.111	S	177.801	W	50	D	5.3		1.1	47	KERMADEC ISLANDS REGION
	21	04	22	03.5&	62.918	N	151.295	W	114					20	CENTRAL ALASKA. <AGS-P>.
	21	04	39	41.3?	16.15	N	60.44	W	10	G			0.3	6	LEEWARD ISLANDS. ML 2.6 (FDF).
	21	04	46	22.0%	16.206	N	60.559	W	10	G			0.6	8	LEEWARD ISLANDS. ML 2.8 (FDF).
	21	06	21	18.7*	31.277	S	177.635	W	40	D	5.0	4.6	1.3	20	KERMADEC ISLANDS REGION

	21	06	47	41.3	40.395	N	15.555	E	11				1.5	13	SOUTHERN ITALY
	21	07	11	10.4*	4.571	S	128.641	E	179	*	4.9		1.3	12	BANDA SEA
	21	08	36	01.3&	40.813	N	124.420	W	24					13	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.5 (BRK). Felt (II) at Fortuno.
	21	08	57	50.2%	39.138	N	27.580	E	10	G			0.6	5	TURKEY
	21	09	30	20.9%	39.199	N	27.502	E	10	G			0.5	5	TURKEY
	21	09	40	48.2&	58.204	N	151.170	W	65					8	KODIAK ISLAND REGION. <AGS-P>.
	21	10	38	40.3*	17.485	S	66.535	E	10	G	4.9	4.9	1.6	18	MASCARENE ISLANDS REGION
	21	11	09	48.9?	24.33	N	121.09	E	66	*			0.9	6	TAIWAN
	21	11	26	17.7	37.085	N	27.953	E	10	G			0.6	6	TURKEY
	21	11	46	37.5?	39.15	N	27.61	E	10	G			0.3	4	TURKEY
	21	12	14	38.7?	49.56	N	0.10	E	10	G			0.7	12	FRANCE. MD 3.3 (DOU).
	21	12	51	08.9*	16.782	N	99.404	W	33	N			1.3	7	NEAR COAST OF GUERRERO, MEXICO
a	21	13	07	34.3*	15.988	S	178.262	E	33	N	4.8		0.9	45	FIJI ISLANDS
	21	13	55	51.8	15.106	N	60.307	W	29				0.4	17	LEEWARD ISLANDS. ML 3.0 (FDF).
	21	14	52	27.3	40.574	N	20.830	E	10	G			1.3	8	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH). ML 2.8 (SKO).
	21	17	48	12.3	1.538	N	99.742	E	189		4.7		0.8	27	NORTHERN SUMATERA
	21	17	54	27.6*	43.453	N	4.184	E	10	G			1.4	11	NEAR SOUTH COAST OF FRANCE. ML 2.8 (LDG).
	21	18	41	31.9*	5.003	S	144.850	E	63	?	4.1		1.3	10	PAPUA NEW GUINEA
	21	18	49	30.2*	34.935	N	132.261	E	10	G			0.3	5	SOUTHERN HONSHU, JAPAN. MG 3.2 (JMA). Felt (I JMA) ot Hamoda.
a	21	19	23	41.1	2.586	N	126.702	E	58		5.3		1.1	138	MOLUCCA PASSAGE
a	21	19	30	07.1	2.545	N	126.537	E	77	*	5.4		1.3	54	MOLUCCA PASSAGE
	21	21	00	05.5&	61.910	N	147.432	W	9					37	SOUTHERN ALASKA. <AGS-P>.
	21	21	23	02.6	2.620	N	126.629	E	58	?	5.0	5.1	1.1	58	MOLUCCA PASSAGE
	21	21	44	06.9*	24.587	S	70.278	W	53	*			0.9	11	NEAR COAST OF NORTHERN CHILE
	21	21	45	38.7*	39.042	N	21.723	E	10	G			1.0	5	GREECE. MD 2.8 (ATH).
a	21	21	56	48.6	17.952	S	178.593	W	584	G	5.7		0.8	414	FIJI ISLANDS REGION. mb 5.6 (BRK). Depth from broodbond displocement seismograms.
	21	22	02	52.6&	60.089	N	153.546	W	170					31	SOUTHERN ALASKA. <AGS-P>.
	21	23	03	48.3*	59.740	N	30.070	W	10	G	4.2		1.2	19	NORTH ATLANTIC OCEAN
	21	23	05	30.4%	39.334	N	29.063	E	10	G			0.8	7	TURKEY
	21	23	29	19.6?	13.80	N	60.19	W	33	N			0.2	10	WINDWARD ISLANDS. ML 2.7 (FDF).
	21	23	41	57.3&	59.504	N	152.639	W	75					22	SOUTHERN ALASKA. <AGS-P>.
	21	23	53	51.4	36.845	N	115.931	W	7				0.4	39	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (NEIS).
	22	00	14	14.0	59.834	N	29.846	W	10	G	4.7	4.7	1.1	79	NORTH ATLANTIC OCEAN
	22	00	17	00.1?	60.06	N	29.78	W	10	G	4.3		1.2	11	NORTH ATLANTIC OCEAN
	22	01	02	25.5%	31.689	N	35.797	E	10	G			0.1	5	DEAD SEA REGION
	22	01	14	27.3*	59.978	N	29.922	W	10	G	4.3		0.6	15	NORTH ATLANTIC OCEAN
	22	01	52	20.7	60.184	N	29.384	W	10	G	4.2		0.6	19	NORTH ATLANTIC OCEAN
a	22	02	02	04.0	59.802	N	29.809	W	10	G	5.0	5.0	1.0	149	NORTH ATLANTIC OCEAN. Ms 5.5 (BRK).
	22	02	09	20.7?	59.62	N	30.17	W	10	G	4.1		1.3	5	NORTH ATLANTIC OCEAN
	22	02	18	36.1	59.954	N	29.736	W	10	G	4.7	4.6	1.2	63	NORTH ATLANTIC OCEAN
	22	02	29	14.3	59.941	N	29.710	W	10	G	4.5		1.0	39	NORTH ATLANTIC OCEAN
	22	02	36	45.5	59.776	N	29.608	W	10	G	4.4		0.9	43	NORTH ATLANTIC OCEAN
	22	02	38	37.6	59.858	N	29.740	W	10	G	4.9	4.7	1.2	100	NORTH ATLANTIC OCEAN
	22	02	46	36.7	59.869	N	29.638	W	10	G	4.9	4.4	1.0	128	NORTH ATLANTIC OCEAN
	22	02	49	31.3&	34.940	N	116.780	W	3					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	22	02	58	26.6*	59.288	N	30.161	W	10	G	4.4		1.5	32	NORTH ATLANTIC OCEAN
	22	03	06	34.8	36.710	N	12.865	E	33	N			0.6	13	MEDITERRANEAN SEA. MD 2.8 (ROM).
	22	03	09	03.5	59.674	N	29.808	W	10	G	4.3		1.0	32	NORTH ATLANTIC OCEAN
	22	03	12	54.7	59.949	N	29.656	W	10	G	4.8	4.6	0.9	63	NORTH ATLANTIC OCEAN
	22	03	16	13.9&	63.339	N	150.253	W	14					41	CENTRAL ALASKA. <AGS-P>. ML 4.2 (PMR).
	22	03	20	54.1*	59.641	N	29.868	W	10	G	4.2		1.0	21	NORTH ATLANTIC OCEAN
	22	03	23	16.0	36.775	N	12.892	E	33	N			0.4	8	MEDITERRANEAN SEA. MD 2.6 (ROM).
	22	03	31	08.6?	60.06	N	29.67	W	10	G	4.1		0.2	7	NORTH ATLANTIC OCEAN
	22	03	37	01.8*	59.420	N	30.076	W	10	G	4.0		0.6	6	NORTH ATLANTIC OCEAN
	22	03	57	35.8*	67.007	N	156.419	W	5	G			0.2	8	ALASKA. ML 3.8 (PMR).
	22	04	06	21.9	59.950	N	29.657	W	10	G	4.8	4.1	0.8	69	NORTH ATLANTIC OCEAN
	22	04	18	30.3	66.923	N	156.233	W	5	G			0.7	20	ALASKA. ML 4.3 (PMR).
	22	04	20	53.1	59.655	N	29.916	W	10	G	4.7	4.5	1.0	68	NORTH ATLANTIC OCEAN
	22	04	36	25.5*	5.294	S	145.771	E	110	*	4.8		1.3	18	EAST PAPUA NEW GUINEA REGION
	22	04	37	01.1	59.945	N	29.634	W	10	G	4.2		0.6	22	NORTH ATLANTIC OCEAN
	22	04	42	41.1*	59.995	N	29.800	W	10	G	4.2		0.8	12	NORTH ATLANTIC OCEAN
	22	04	45	34.4	59.855	N	29.699	W	10	G	4.7	3.8	0.8	56	NORTH ATLANTIC OCEAN
	22	04	52	08.2%	40.638	N	27.626	E	10	G			0.9	6	TURKEY
	22	05	00	27.2*	59.601	N	29.842	W	10	G	4.3		1.3	13	NORTH ATLANTIC OCEAN
	22	05	15	48.3*	59.915	N	29.568	W	10	G	4.2		1.2	16	NORTH ATLANTIC OCEAN
	22	05	25	18.9*	59.810	N	29.726	W	10	G	4.1		1.0	18	NORTH ATLANTIC OCEAN
	22	05	41	41.4*	36.210	N	139.724	E	10	G			0.3	5	HONSHU, JAPAN
	22	05	59	22.7*	38.348	N	126.166	E	33	N			1.3	13	NORTH KOREA. ML 4.1 (BJI).
	22	06	01	30.4*	43.307	N	19.186	E	10	G			1.4	9	YUGOSLAVIA. MD 2.4 (TTG).
	22	06	03	38.1	59.627	N	29.900	W	10	G	4.4		0.9	43	NORTH ATLANTIC OCEAN
	22	06	40	31.0	41.942	N	20.379	E	10	G			0.7	6	ALBANIA. ML 2.5 (SKO).
	22	07	04	26.5%	18.108	N	66.750	W	33	N			0.2	5	PUERTO RICO REGION
	22	07	21	36.7	52.798	N	173.539	W	156	*	5.0		1.0	64	ANDREANOF ISLANDS, ALEUTIAN IS.
	22	08	07	34.4	60.009	N	29.683	W	10	G	4.9	4.5	0.7	121	NORTH ATLANTIC OCEAN
	22	08	09	14.1*	32.672	S	70.188	W	121	?			0.4	10	CHILE-ARGENTINA BORDER REGION
	22	09	27	59.9	59.633	N	29.937	W	10	G	4.5		0.9	42	NORTH ATLANTIC OCEAN
	22	09	33	18.2&	65.710	N	147.926	W	0					10	ALASKA. <AGS-P>.
	22	09	34	35.4	53.779	N	161.439	E	33	N	4.9	4.1	1.1	48	OFF EAST COAST OF KAMCHATKA
	22	09	41	21.5&	63.512	N	147.995	W	10					28	CENTRAL ALASKA. <AGS-P>. ML 3.6 (PMR).
	22	09	48	13.3*	53.863	N	161.381	E	33	N	4.8	4.5	1.0	16	OFF EAST COAST OF KAMCHATKA
	22	10	23	31.4	44.355	N	7.300	E	10	G			0.4	10	NORTHERN ITALY. ML 2.4 (GEN).
	22	10	33	01.9%	60.633	N	6.229	E	10	G			0.6	8	SOUTHERN NORWAY. MD 1.9 (BER).
	22	10	50	29.9	59.781	N	29.876	W	10	G	4.8	3.9	1.1	66	NORTH ATLANTIC OCEAN
a	22	11	08	06.0	53.597	N	161.657	E	41	D	5.0	5.2	1.0	182	OFF EAST COAST OF KAMCHATKA
	22	11	35	04.4*	59.740	N	29.729	W	10	G	4.2		0.8	15	NORTH ATLANTIC OCEAN
	22	13	26	32.3	54.119	N	160.543	E	33	N	4.8		0.9	65	NEAR EAST COAST OF KAMCHATKA
	22	14	19	39.7?	54.02	N	161.03	E	33	N	4.8		0.4	7	NEAR EAST COAST OF KAMCHATKA
	22	14	24	00.6?	54.50	N	159.23	E	33	N	4.3		1.2	8	NEAR EAST COAST OF KAMCHATKA
	22	14	40	21.2?	1.67	S	149.17	E	33	N	4.0		1.5	5	NEW IRELAND REGION

	22	15 29 32.3?	17.23	N	61.01	W	10	G			0.7	5	LEEWARD ISLANDS. ML 2.7 (FDF).
	22	15 43 16.3	13.105	S	167.054	E	223	*	5.1		1.2	84	VANUATU ISLANDS
	22	17 16 01.8*	46.197	N	16.066	E	10	G			0.9	6	YUGOSLAVIA. ML 2.6 (KBA).
	22	18 05 20.8	44.621	N	7.059	E	10	G			0.3	13	NORTHERN ITALY. ML 2.3 (GEN), 2.3 (LDG).
	22	18 11 17.7*	18.512	N	147.055	E	69	?	4.5		0.7	14	MARIANA ISLANDS REGION
	22	19 24 34.9	27.243	N	87.886	E	34	*	5.0		0.9	97	NEPAL. Felt in eastern Nepal.
	22	20 00 28.8*	59.877	N	29.647	W	10	G	4.2		0.8	16	NORTH ATLANTIC OCEAN
	22	20 16 18.3	44.023	N	7.669	E	9				0.6	29	NORTHERN ITALY. ML 2.8 (GEN), 2.8 (LDG).
	22	20 24 12.8*	2.275	S	140.533	E	33	N	5.1	4.5	1.1	15	NEAR N. COAST OF WEST IRIAN
	22	20 31 50.1	59.731	N	29.675	W	10	G	4.3		0.7	32	NORTH ATLANTIC OCEAN
	22	21 11 16.3	44.378	N	7.243	E	10	G			0.3	6	NORTHERN ITALY. ML 2.1 (GEN).
	22	21 45 36.5*	59.628	N	29.974	W	10	G	4.3		0.6	12	NORTH ATLANTIC OCEAN
	22	22 04 42.7	33.373	N	132.105	E	33	N			0.6	9	SHIKOKU, JAPAN. Felt (II JMA) at Uwajima.
	22	22 16 23.2&	59.533	N	153.176	W	101					29	SOUTHERN ALASKA. <AGS-P>.
	22	23 05 43.2*	22.344	N	104.465	E	33	N	4.1		1.0	8	YUNNAN PROVINCE, CHINA
	22	23 13 25.3	36.648	N	25.839	E	41	*	4.0		1.5	21	DODECANESE ISLANDS. ML 4.1 (ATH).
	22	23 48 11.9?	10.53	N	93.14	E	33	N	4.3		0.4	5	ANDAMAN ISLANDS REGION
	23	03 44 45.1%	66.728	N	13.230	E	10	G			0.5	5	NORTHERN NORWAY. MD 2.8 (BER).
	23	03 48 03.3*	48.565	S	121.096	E	10	G	4.1	4.1	1.1	17	SOUTH OF AUSTRALIA
	23	04 31 58.3	30.532	N	35.177	E	10	G			0.6	10	DEAD SEA REGION
	23	04 53 02.7%	41.786	N	12.738	E	10	G			0.2	5	SOUTHERN ITALY
	23	05 47 00.2	45.261	N	110.378	W	5	G			0.6	8	MONTANA. ML 3.0 (BUT).
	23	07 14 03.5*	21.304	S	67.375	W	178	*			0.5	7	CHILE-BOLIVIA BORDER REGION
	23	07 50 55.4*	0.666	S	123.596	E	33	N	4.0		1.0	6	MINAHASSA PENINSULA
	23	09 28 48.4?	18.25	N	67.43	W	33	N			1.3	5	MONA PASSAGE
	23	09 47 23.2	59.815	N	29.770	W	10	G	4.5		1.1	35	NORTH ATLANTIC OCEAN
f	23	10 54 46.3	52.341	S	160.568	E	10	G	6.4	8.2	1.3	399	MACQUARIE ISLANDS REGION. Ms 8.0 (BRK), 7.8 (PAS). Mo=2.5*10**21 Nm (PPT). Felt (V) on Campbell Island. Also felt on Macquarie Island. Small tsunami reported along the sautheastern coast of Tasmania and in Jervis Bay and Sydney Harbaur, Australia. Complex event, observed on braadband displacement seismograms.
	23	11 24 17.5?	51.37	S	161.45	E	10	G	5.6		1.0	16	NORTH OF MACQUARIE ISLAND
	23	11 48 28.5%	60.272	N	5.417	E	10	G			0.8	7	SOUTHERN NORWAY. MD 1.6 (BER).
	23	12 11 17.0	59.863	N	29.653	W	10	G	4.6		0.6	31	NORTH ATLANTIC OCEAN
	23	13 33 36.2	44.481	N	112.187	W	5	G			0.5	8	EASTERN IDAHO. ML 3.2 (BUT).
	23	13 53 59.7	9.305	S	119.415	E	51	?	4.9		1.3	30	SUMBA ISLAND REGION
	23	14 09 35.3*	52.087	S	161.100	E	10	G	5.5		1.3	47	MACQUARIE ISLANDS REGION
	23	14 23 10.9	38.672	N	30.635	E	10	G			0.7	6	TURKEY
	23	15 33 12.2%	14.796	N	61.055	W	130	G			0.3	9	WINDWARD ISLANDS
	23	16 07 55.1	52.117	S	160.741	E	10	G	5.4		1.1	49	MACQUARIE ISLANDS REGION
	23	16 58 33.3&	41.180	N	121.960	W	7					10	NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK). Felt (IV) at Big Bend and Pandasa. Felt (III) at Dunsmuir and Mt. Shasta. Also felt at Castella and McCloud.
	23	17 01 18.4%	61.809	N	7.414	E	10	G			1.2	9	SOUTHERN NORWAY. MD 2.0 (BER).
	23	17 02 01.8&	41.188	N	121.950	W	12					9	NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK). Felt at Dunsmuir, McCloud and Weed.
a	23	17 11 42.8	51.886	S	160.563	E	10	G	5.9	6.0	1.0	126	NORTH OF MACQUARIE ISLAND. Ms 6.0 (BRK).
	23	17 19 05.2	37.807	N	21.029	E	20		3.9		1.3	46	SOUTHERN GREECE. MD 3.8 (ATH).
	23	17 45 14.6	35.670	N	27.297	E	75	*			0.9	10	DODECANESE ISLANDS. MD 3.6 (ATH).
	23	17 52 21.2	2.777	S	77.431	W	118		4.5		0.9	18	PERU-ECUADOR BORDER REGION
	23	17 58 05.8?	51.41	S	158.68	E	10	G	5.5	5.2	0.9	13	NORTH OF MACQUARIE ISLAND
	23	18 15 45.9*	21.352	S	68.915	W	138	?			1.5	8	CHILE-BOLIVIA BORDER REGION
	23	18 52 23.6?	17.64	N	145.70	E	88	*	4.5		0.5	18	MARIANA ISLANDS
	23	19 02 18.8?	43.83	N	128.64	W	10	G			0.5	18	OFF COAST OF OREGON. CL 3.9 (SEA).
	23	23 51 22.9?	30.01	S	178.44	W	88	?	4.8		1.6	13	KERMADEC ISLANDS
	24	00 51 24.7*	8.114	N	82.564	W	10	G			0.3	6	PANAMA-COSTA RICA BORDER REGION. MD 4.1 (UPA).
	24	01 22 09.9	10.962	N	65.033	W	25			3.8	1.2	22	NEAR COAST OF VENEZUELA. Felt at Caracas and Barlovento.
	24	01 53 44.1?	46.01	N	14.73	E	12	?			0.6	5	YUGOSLAVIA. ML 2.0 (KBA).
	24	02 15 04.9*	52.187	S	159.888	E	10	G	5.0		1.2	29	MACQUARIE ISLANDS REGION
	24	02 16 57.5	52.503	S	160.584	E	10	G	5.7	5.2	0.9	150	MACQUARIE ISLANDS REGION
	24	03 08 32.7	49.803	N	147.641	E	596	?	4.1		0.7	29	SEA OF OKHOTSK
	24	05 18 57.8*	59.936	N	29.663	W	10	G	4.4		0.9	31	NORTH ATLANTIC OCEAN
	24	05 38 09.0&	61.539	N	149.852	W	44					27	SOUTHERN ALASKA. <AGS-P>.
	24	05 58 53.3&	40.358	N	124.603	W	14					5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK).
	24	06 58 47.4*	39.348	N	23.490	E	10	G	3.7		0.9	7	AEGEAN SEA. MD 3.2 (ATH).
	24	07 00 09.1*	53.478	S	160.434	E	10	G	4.6		0.7	7	MACQUARIE ISLANDS REGION
	24	07 04 41.5*	36.681	N	28.177	E	10	G			1.4	5	DODECANESE ISLANDS
	24	07 44 18.1	52.217	S	159.564	E	10	G	5.2	5.1	1.1	41	MACQUARIE ISLANDS REGION
a	24	08 05 47.6	3.748	S	123.256	E	22		5.6	5.0	1.0	171	SULAWESI
	24	08 51 45.0?	18.36	N	103.08	W	33	N	4.2		1.2	10	NEAR COAST OF MICHOACAN, MEXICO
	24	12 32 30.5*	3.604	S	149.796	E	10	G	4.3		1.3	13	BISMARCK SEA
	24	12 34 00.1%	14.930	N	60.952	W	30	*			0.5	9	WINDWARD ISLANDS. ML 2.4 (FDF).
f	24	13 31 14.4	56.177	N	164.264	E	19	G	5.9	6.1	1.1	426	KOMANDORSKY ISLANDS REGION. Ms 5.8 (BRK), 5.6 (PAS). Mo=6.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	24	13 32 27.5*	38.030	N	31.917	E	10	G			1.5	6	TURKEY
	24	14 17 12.5%	44.366	N	7.363	E	14	*			0.3	7	NORTHERN ITALY. ML 2.3 (GEN).
	24	14 42 58.2*	35.334	N	136.899	E	5	G			1.5	5	SOUTHERN HONSHU, JAPAN. MG 3.1 (JMA). Felt (I JMA) at Gifu.
	24	14 51 14.7*	55.746	N	166.178	E	33	N	4.6		1.0	21	KOMANDORSKY ISLANDS REGION
	24	15 21 04.5	51.783	S	161.425	E	10	G	5.6	4.8	1.2	35	NORTH OF MACQUARIE ISLAND
a	24	15 43 34.3	56.173	N	164.185	E	36	D	5.5	5.4	1.0	277	KOMANDORSKY ISLANDS REGION. Ms 5.2 (BRK).
	24	16 27 51.5?	36.90	N	20.55	E	16	*	3.7		1.4	23	MEDITERRANEAN SEA. ML 3.6 (ATH).
	24	16 43 33.0	85.116	N	95.611	E	10	G	4.6		0.9	56	NORTH OF SEVERNAYA ZEMLYA
	24	17 30 19.8*	52.571	S	160.083	E	10	G	4.8		1.2	11	MACQUARIE ISLANDS REGION
a	24	17 59 07.0	55.472	N	35.140	W	10	G	4.9	5.0	1.3	111	NORTH ATLANTIC OCEAN
	24	18 49 42.6?	1.48	N	127.14	E	128	?	4.5		0.6	10	HALMAHERA
	24	19 13 33.6	55.493	N	35.165	W	10	G	4.5		0.9	50	NORTH ATLANTIC OCEAN
	24	19 33 40.6%	58.740	N	5.961	E	10	G			0.6	7	SOUTHERN NORWAY. MD 1.6 (BER).
	24	19 59 26.3	55.543	N	35.212	W	10	G	4.6	4.3	1.2	55	NORTH ATLANTIC OCEAN
	24	20 22 55.7%	60.729	N	5.576	E	10	G			1.4	9	SOUTHERN NORWAY. MD 1.7 (BER).

	24	23 41 23.8*	52.645	S	160.247	E	10	G	4.8		1.4	20	MACQUARIE ISLANDS REGION
a	25	00 54 52.1	52.272	S	159.833	E	10	G	5.7	5.6	1.0	195	MACQUARIE ISLANDS REGION. Ms 5.4 (BRK). Mo=1.25*10**18 Nm (PPT).
	25	01 24 16.0%	37.723	N	4.038	W	10	G			1.4	6	SPAIN. mbLg 3.0 (MDD).
	25	01 27 28.9&	47.373	N	122.689	W	20					48	WASHINGTON. <SEA>. CL 2.8 (SEA).
	25	01 48 47.8	40.640	N	21.623	E	10	G			1.3	11	GREECE. MD 3.3 (ATH).
	25	03 33 04.5	8.882	N	62.014	W	33	N			0.5	9	VENEZUELA
	25	03 47 56.4	37.796	N	29.256	E	10	G			1.5	8	TURKEY
	25	04 03 22.7	38.254	N	21.792	E	10	G	3.5		1.4	13	GREECE. ML 3.1 (ATH).
	25	04 31 46.4*	31.455	S	68.057	W	115	*			1.1	16	SAN JUAN PROVINCE, ARGENTINA
o	25	04 43 10.7	52.334	S	160.748	E	10	G	5.5	4.8	1.1	55	MACQUARIE ISLANDS REGION
	25	04 54 41.5%	0.056	N	78.610	W	10	G			0.2	5	COLOMBIA-ECUADOR BORDER REGION
	25	04 57 42.0?	31.52	S	179.14	W	190	?	4.4		1.5	12	KERMADEC ISLANDS REGION
	25	05 56 51.8*	33.449	N	104.625	E	33	N			0.9	6	GANSU PROVINCE, CHINA. ML 3.7 (BJI).
	25	06 46 26.9*	31.029	S	177.764	W	33	N	4.8	4.8	1.0	12	KERMADEC ISLANDS REGION
o	25	07 24 15.5?	54.98	S	129.20	W	10	G	5.2	5.1	1.0	10	SOUTH PACIFIC CORDILLERA
	25	07 43 18.5	30.846	N	109.332	W	5	G	4.6		1.0	43	NORTHWESTERN MEXICO. ML 4.3 (NEIS).
	25	07 52 25.9*	11.455	S	118.090	E	33	N	4.1		1.4	8	SOUTH OF SUMBAWA ISLAND
	25	08 03 07.9?	1.76	N	122.86	E	33	N	4.7		1.2	6	MINAHASSA PENINSULA
a	25	08 06 32.6	5.850	S	148.300	E	112		5.9		1.0	170	NEW BRITAIN REGION
	25	08 45 37.5*	43.535	N	7.850	E	10	G			0.2	9	NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN).
	25	09 34 42.5?	29.77	N	83.78	E	33	N			0.2	6	NEPAL
a	25	09 39 25.4	52.071	S	159.931	E	10	G	5.5	5.5	1.1	85	MACQUARIE ISLANDS REGION
	25	10 21 35.1%	60.602	N	6.221	E	10	G			1.5	8	SOUTHERN NORWAY. MD 1.7 (BER).
	25	10 35 47.6?	2.30	N	126.66	E	91	?	4.5		0.6	11	MOLUCCA PASSAGE
	25	11 37 33.7*	52.143	S	160.868	E	10	G	5.4	5.0	1.3	31	MACQUARIE ISLANDS REGION
	25	11 43 48.6?	39.10	N	27.58	E	10	G			0.6	4	TURKEY
	25	11 43 49.5	59.681	N	29.771	W	33	N	4.6		0.6	44	NORTH ATLANTIC OCEAN
	25	11 51 13.7	44.515	N	7.150	E	10	G			0.3	15	NORTHERN ITALY. ML 2.4 (GEN).
a	25	11 56 21.6	7.332	S	128.539	E	171		5.5		0.8	235	BANDA SEA
	25	12 34 49.4*	85.603	N	90.492	E	10	G	4.7		1.2	8	NORTH OF SEVERNAYA ZEMLYA
	25	12 40 09.3&	35.862	N	120.398	W	10					22	CENTRAL CALIFORNIA. <GS>. ML 3.6 (BRK), 3.8 (PAS). Felt (IV) at Shandan and Templeton; (III) at Lockwaad and Paso Robles. Also felt at Parkfield, Coalingo and Creston.
a	25	13 01 34.2*	36.961	S	177.434	E	287		4.9		1.1	57	OFF E. COAST OF N. ISLAND, N.Z. Felt throughaut North Island.
	25	13 15 33.4?	58.03	N	6.39	E	0	G			0.6	7	SOUTHERN NORWAY. MD 2.3 (BER). Prabable explosion.
	25	13 28 16.1?	32.85	S	179.69	E	169	?	4.9		1.0	9	SOUTH OF KERMADEC ISLANDS
	25	13 53 30.8?	44.13	N	127.54	W	10	G			0.4	30	OFF COAST OF OREGON. CL 3.4 (SEA).
	25	15 19 43.0?	45.12	N	7.06	E	10	G			0.6	4	NORTHERN ITALY. ML 2.1 (GEN).
	25	15 30 21.7*	1.392	S	79.285	W	38	*	4.9		1.2	39	ECUADOR. Felt in central Ecuadar.
	25	16 12 24.8*	21.814	S	68.482	W	122	*			1.4	9	CHILE-BOLIVIA BORDER REGION
	25	16 58 10.5	44.519	N	7.153	E	10	G			0.4	23	NORTHERN ITALY. ML 2.8 (LDG), 2.7 (GEN).
	25	17 46 10.9*	37.208	N	70.789	E	33	N	3.6		0.8	7	AFGHANISTAN-USSR BORDER REGION
	25	18 04 23.9	38.553	N	20.552	E	13				1.3	26	GREECE. ML 3.6 (ATH).
	25	18 14 36.5*	9.404	N	126.102	E	33	N	5.0		0.9	20	MINDANAO, PHILIPPINE ISLANDS
	25	18 32 16.5%	60.701	N	5.505	E	10	G			0.7	9	SOUTHERN NORWAY. MD 1.7 (BER).
	25	18 52 26.5	13.998	N	91.900	W	68		4.8		1.1	45	NEAR COAST OF GUATEMALA
	25	18 55 04.2	17.105	N	62.301	W	30	*			0.9	9	LEEWARD ISLANDS. ML 2.8 (FDF).
	25	19 01 37.6	60.126	N	29.525	W	10	G	4.3		1.0	25	NORTH ATLANTIC OCEAN
a	25	19 49 15.9	15.259	S	172.811	W	73	D	5.0		1.1	72	SAMOA ISLANDS REGION
	25	19 59 56.8	44.406	N	6.433	E	12				0.4	21	FRANCE. ML 2.7 (LDG).
a	25	20 13 33.4	51.677	N	172.128	E	33	N	5.3	4.6	1.0	192	NEAR ISLANDS, ALEUTIAN ISLANDS
	25	21 33 38.2?	15.11	N	60.34	W	10	G			0.3	7	LEEWARD ISLANDS. ML 2.6 (FDF).
a	25	21 36 21.2	13.968	N	91.804	W	69		5.0		0.9	138	NEAR COAST OF GUATEMALA
	25	22 57 06.2?	45.52	N	3.78	E	10	G			0.3	4	FRANCE. ML 1.9 (LDG).
	25	23 28 30.9?	44.81	N	6.54	E	10	G			0.6	4	FRANCE. ML 2.2 (GEN).
	25	23 43 56.2	15.442	N	61.332	W	10	G			0.1	6	LEEWARD ISLANDS. ML 2.1 (FDF).
	26	01 08 45.8	39.345	N	75.436	E	35	*	4.8	4.4	1.0	91	SOUTHERN XINJIANG, CHINA
	26	01 24 26.3	17.034	N	62.282	W	11				1.2	18	LEEWARD ISLANDS. ML 3.8 (FDF).
	26	01 54 16.2*	53.230	S	159.282	E	10	G	5.2	4.5	1.2	21	MACQUARIE ISLANDS REGION
	26	02 16 16.6	15.432	N	61.299	W	10	G			0.3	10	LEEWARD ISLANDS. ML 2.3 (FDF).
	26	02 34 27.9?	34.16	N	135.18	E	10	G			0.4	4	NEAR S. COAST OF SOUTHERN HONSHU. MG 2.7 (JMA). Felt (I JMA) at Wakayama.
	26	03 54 02.6&	60.153	N	140.646	W	4					14	SOUTHEASTERN ALASKA. <AGS-P>.
	26	04 18 33.8?	53.30	N	164.90	W	33	N	4.4		2.1	8	UNIMAK ISLAND REGION
	26	06 57 37.8*	52.645	S	160.150	E	10	G	4.9		1.4	20	MACQUARIE ISLANDS REGION
	26	06 58 19.8%	39.569	N	34.014	E	10	G			1.2	5	TURKEY
a	26	07 00 01.7	52.583	S	160.106	E	10	G	5.6	5.3	1.1	62	MACQUARIE ISLANDS REGION
	26	07 13 29.4	17.997	N	61.517	W	41	*			0.6	29	LEEWARD ISLANDS. ML 4.4 (FDF).
	26	07 20 22.7	38.391	N	25.135	E	17				1.0	16	AEGEAN SEA. ML 3.7 (ATH).
	26	08 01 05.0	38.360	N	25.190	E	10	G			0.7	7	AEGEAN.SEA. ML 3.1 (ATH).
	26	08 44 46.1*	33.318	S	70.566	W	82	?			1.1	11	CHILE-ARGENTINA BORDER REGION
	26	09 08 10.7*	30.326	N	109.144	W	5	G			0.6	13	NORTHWESTERN MEXICO. ML 3.5 (NEIS).
	26	09 23 47.7*	15.915	S	172.917	W	33	N	4.9	4.8	1.3	43	SAMOA ISLANDS REGION
	26	11 20 55.3	1.421	S	119.853	E	33	N	4.7	4.0	1.2	22	SULAWESI
	26	11 32 02.6*	32.336	S	69.335	W	33	N			1.0	8	MENDOZA PROVINCE, ARGENTINA
	26	11 45 29.4	18.537	N	145.696	E	197	*	4.8		0.9	69	MARIANA ISLANDS
	26	12 08 18.3	40.807	N	20.705	E	20		3.4		1.2	50	GREECE-ALBANIA BORDER REGION. ML 4.4 (ATH), 3.5 (TTG). Felt (IV) at Pogradec and Maliq; (III) at Korca, Albania.
a	26	12 56 18.3*	51.926	S	161.386	E	10	G	5.3	4.9	1.2	27	NORTH OF MACQUARIE ISLAND
a	26	14 28 37.8*	4.406	S	105.270	W	10	G	4.7	5.2	1.4	24	NORTHERN EASTER I. CORDILLERA
	26	16 09 20.4	36.088	N	26.679	E	144	*			0.8	13	DODECANESE ISLANDS
	26	18 02 07.9%	44.504	N	7.293	E	10	G			0.3	5	NORTHERN ITALY. ML 1.6 (GEN).
	26	18 07 00.0&	37.086	N	116.055	W	0					28	SOUTHERN NEVADA. <DOE>. ML 3.7 (NEIS). 37' 05' 09.12" N., 116' 03' 18.47" W., Surface Elev. 1257 m., Depth af Burial 400 m., Shot Time 180700.021, "TULIA," Nevada Test Site (Dept. of Energy).
	26	18 22 31.2	43.137	N	17.983	E	10	G			1.2	57	YUGOSLAVIA. MD 3.8 (ATH). ML 3.7 (TTG).
	26	19 48 30.7*	36.579	N	71.035	E	182	?	3.6		0.9	10	AFGHANISTAN-USSR BORDER REGION
	26	20 08 37.9*	30.205	N	50.576	E	33	N			1.3	9	IRAN

	26	20 33 37.6	41.857	N	20.611	E	10	G			0.7	6	ALBANIA. ML 2.5 (SKO).
	26	22 19 16.6%	38.219	N	15.079	E	10	G			0.9	8	SICILY
	26	22 31 20.7%	40.664	N	29.091	E	10	G			0.8	6	TURKEY
	27	00 16 20.4	44.798	N	6.761	E	10	G			0.3	7	FRANCE. ML 1.7 (GEN).
	27	00 43 47.4	42.511	N	18.496	E	10	G			0.9	11	YUGOSLAVIA. MD 2.5 (TTG).
	27	02 03 10.2?	45.14	N	14.58	E	10	G			1.2	6	YUGOSLAVIA. MD 2.6 (LJU).
	27	02 44 09.8	13.612	N	120.908	E	175		4.6		0.9	52	MINDORO, PHILIPPINE ISLANDS
a	27	03 01 24.9	55.279	S	133.192	W	10	G	5.5	5.7	1.3	100	SOUTH PACIFIC CORDILLERA. Ms 5.9 (BRK). Mo=5.0*10**18 Nm (PPT).
	27	04 14 43.0	29.925	N	99.347	E	33	N	4.8	5.2	1.1	17	SICHUAN PROVINCE, CHINA
	27	06 49 11.6	40.125	N	19.773	E	18		3.5		1.5	40	ALBANIA. MD 3.9 (ATH). Felt (IV) at Borsh, Dhermi, Carraj, Kuc and Himare.
	27	07 34 09.6&	57.627	N	154.094	W	40		4.4			31	KODIAK ISLAND REGION. <AGS-P>. ML 3.3 (PMR).
	27	08 07 27.4&	57.419	N	154.539	W	23					8	KODIAK ISLAND REGION. <AGS-P>.
a	27	08 31 18.7	3.451	S	138.855	E	49		5.4	4.4	1.1	145	WEST IRIAN
	27	11 54 41.4*	7.940	N	82.859	W	34	?	4.1		0.8	22	SOUTH OF PANAMA
	27	12 59 33.0*	17.129	N	62.319	W	32	*			0.3	6	LEEWARD ISLANDS. MD 2.9 (TRN).
	27	13 39 47.4%	45.857	N	0.361	W	10	G			1.3	11	FRANCE. ML 2.8 (LDG).
a	27	14 27 46.4	50.236	S	158.073	E	10	G	5.5	4.9	1.1	112	NORTH OF MACQUARIE ISLAND
	27	15 56 42.9*	30.925	S	71.605	W	128	?	4.2		0.7	12	NEAR COAST OF CENTRAL CHILE
	27	16 38 17.4%	40.609	N	14.987	E	10	G			0.5	5	SOUTHERN ITALY
	27	16 48 24.2*	16.870	S	177.211	W	33	N	4.9	5.0	1.0	22	FIJI ISLANDS REGION
	27	16 51 21.5?	7.57	S	129.56	E	245	?	4.4		1.1	9	BANDA SEA
	27	17 18 46.5%	42.288	N	18.722	E	10	G			0.5	6	YUGOSLAVIA. MD 2.0 (TTG).
	27	17 34 39.2	46.358	N	12.898	E	10	G			1.1	36	NORTHERN ITALY. ML 3.3 (FUR), 3.2 (LDG), 2.8 (KBA).
	27	17 52 29.4*	30.090	N	51.005	E	33	N	4.8		0.8	9	IRAN
a	27	20 08 37.3	30.167	N	50.921	E	31		5.6	5.8	1.0	405	IRAN. Ms 5.4 (BRK). Seventeen people injured, several houses damaged and about 100 cattle killed in the Do Gabadan area. Felt in the Bushehr-Shiraz area and at Mamasani. Also felt in Kuwait.
	27	20 36 05.2	30.209	N	50.924	E	28		4.6		1.0	87	IRAN
	27	20 39 58.5*	30.482	N	50.968	E	33	N	4.5		1.5	19	IRAN
	27	21 31 57.2	29.942	N	50.803	E	33	N	4.5		1.0	34	SOUTHERN IRAN
	27	21 43 04.4&	63.717	N	148.832	W	107					16	CENTRAL ALASKA. <AGS-P>.
	27	22 40 39.5*	30.220	N	50.685	E	33	N	4.1	3.7	1.8	8	IRAN
	27	23 25 51.3	42.026	N	19.780	E	10	G			0.7	13	YUGOSLAVIA. ML 2.4 (TTG).
	27	23 36 15.0?	18.78	N	67.59	W	25	*			0.3	6	MONA PASSAGE
	28	00 27 44.5	34.680	N	135.586	E	7				1.0	8	NEAR S. COAST OF SOUTHERN HONSHU. MG 2.9 (JMA). Felt (II JMA) at Osaka.
	28	01 22 09.1*	15.560	S	73.918	W	110	?	4.6		1.4	16	SOUTHERN PERU
	28	01 54 35.7*	53.225	S	160.012	E	10	G	4.4		0.1	5	MACQUARIE ISLANDS REGION
	28	02 28 28.1	42.920	N	17.942	E	7				1.2	33	ADRIATIC SEA. MD 3.0 (TTG). ML 3.4 (KBA).
	28	02 55 19.6	25.053	S	130.781	E	10	G	5.8	5.1	0.9	132	NORTHERN TERRITORY, AUSTRALIA. Felt strongly in the Uluru area.
	28	03 23 45.9*	51.200	S	159.341	E	10	G	4.7	4.3	1.4	11	NORTH OF MACQUARIE ISLAND
	28	03 30 52.4	42.914	N	17.997	E	10	G			0.9	19	ADRIATIC SEA. MD 2.8 (TTG).
	28	03 47 41.6?	38.48	N	23.89	E	10	G			0.1	4	GREECE. ML 2.7 (ATH).
	28	04 03 23.5	9.228	S	158.879	E	10	G	5.1		1.0	55	SOLOMON ISLANDS. Felt at Honiara.
	28	04 53 44.5?	34.05	S	68.25	W	10	G			0.9	13	MENDOZA PROVINCE, ARGENTINA
	28	05 35 27.7*	34.575	N	141.583	E	41	*	4.7		1.2	28	OFF EAST COAST OF HONSHU, JAPAN
	28	05 52 22.9%	35.310	N	118.888	E	33	N			0.4	5	EASTERN CHINA. ML 3.8 (BJI).
	28	06 08 45.0*	30.190	N	50.837	E	33	N	3.9		0.4	6	IRAN
	28	09 29 20.0	39.349	N	23.272	E	10	G			0.8	16	AEGEAN SEA. ML 3.2 (ATH).
a	28	09 46 28.2	16.714	S	173.278	W	35	G	5.7	5.5	1.0	334	TONGA ISLANDS. Ms 5.8 (BRK). Mo=4.6*10**17 Nm (PPT). Depth fram braadband displacement seismagrams.
a	28	10 20 00.3	16.723	S	173.247	W	50	D	5.2		1.0	166	TONGA ISLANDS
	28	10 32 17.9?	46.64	N	0.49	W	10	G			0.9	4	FRANCE. ML 2.2 (LDG).
	28	10 33 44.5*	39.516	N	117.833	W	5	G			1.0	5	NEVADA. ML 2.5 (BRK).
	28	11 25 21.8?	53.50	S	158.35	E	10	G	4.2		1.1	8	MACQUARIE ISLANDS REGION
	28	11 51 15.3	30.198	N	50.868	E	28	*	4.3		1.5	20	IRAN
	28	11 56 29.0	44.636	N	7.297	E	14				0.8	61	NORTHERN ITALY. ML 3.7 (LDG), 3.5 (GEN).
	28	12 16 03.2	6.508	S	147.747	E	46	*	4.6	4.4	1.0	27	EAST PAPUA NEW GUINEA REGION
	28	12 36 40.6?	44.65	N	6.97	E	10	G			0.3	4	FRANCE. ML 1.7 (GEN).
	28	14 07 30.9?	41.81	N	12.74	E	10	G			0.1	4	SOUTHERN ITALY
	28	14 28 41.3*	4.996	S	151.298	E	102	*	4.7		1.3	24	NEW BRITAIN REGION
	28	15 01 11.4	5.960	S	148.435	E	92	*	5.0		1.0	34	NEW BRITAIN REGION
a	28	15 19 07.1	6.515	S	147.799	E	33		5.5	5.5	1.1	137	EAST PAPUA NEW GUINEA REGION. Ms 5.6 (BRK).
	28	15 26 30.7?	6.68	S	147.75	E	80	?	4.5		0.9	7	EAST PAPUA NEW GUINEA REGION
a	28	15 52 54.2	51.053	S	159.682	E	10	G	5.3		1.0	36	NORTH OF MACQUARIE ISLAND
	28	16 28 43.0	30.151	N	50.647	E	65	*	4.7		1.1	18	IRAN
	28	16 35 57.3	38.343	N	22.721	E	10	G			1.0	6	GREECE. ML 2.9 (ATH).
	28	16 44 05.2*	36.467	N	38.351	E	10	G	3.9		1.4	14	JORDAN - SYRIA REGION
	28	17 09 16.8?	6.58	S	147.66	E	56	?	4.5	3.9	1.0	6	EAST PAPUA NEW GUINEA REGION
	28	17 25 46.6?	44.20	N	148.62	E	33	N	5.0		1.5	13	KURIL ISLANDS
	28	18 22 08.7?	6.43	S	147.64	E	33	N	4.8	3.7	0.1	5	EAST PAPUA NEW GUINEA REGION
	28	18 29 27.7%	45.192	N	7.469	E	10	G			0.5	7	NORTHERN ITALY. ML 2.0 (GEN).
	28	18 43 17.2*	7.032	S	147.721	E	33	N	4.7	4.4	1.3	10	EAST PAPUA NEW GUINEA REGION
	28	20 01 57.7?	39.80	N	20.98	E	10	G			0.7	11	GREECE-ALBANIA BORDER REGION. MG 3.6 (TIR).
	28	20 05 05.0*	40.130	N	20.665	E	10	G			1.6	5	GREECE-ALBANIA BORDER REGION. ML 2.7 (SKO).
	28	20 19 45.9	44.644	N	7.300	E	11				0.8	33	NORTHERN ITALY. ML 3.0 (GEN), 2.9 (LDG).
	28	20 51 41.5	39.043	N	21.748	E	10	G			1.1	30	GREECE. ML 3.4 (ATH).
	28	21 01 25.6*	0.384	N	28.914	W	10	G	4.6	4.8	1.3	12	CENTRAL MID-ATLANTIC RIDGE
	28	21 03 06.7	18.635	S	177.913	W	570		4.9		0.9	85	FIJI ISLANDS REGION
	28	21 34 48.5&	58.098	N	143.172	W	10	G				29	GULF OF ALASKA. <AGS-P>.
	28	22 29 11.6%	31.485	N	36.070	E	10	G			0.2	6	DEAD SEA REGION
	29	00 27 28.7?	1.56	N	92.05	W	12	D	4.7	4.3	0.8	9	GALAPAGOS ISLANDS REGION
	29	01 08 13.2	44.717	N	7.277	E	10	G			0.4	6	NORTHERN ITALY. ML 1.9 (GEN).
	29	01 13 04.0?	17.37	N	61.85	W	33	N			0.1	5	LEEWARD ISLANDS. MD 2.7 (TRN).
	29	01 15 05.7	36.058	N	27.455	E	33	*			1.4	17	DODECANESE ISLANDS. MD 4.0 (ATH).
	29	01 29 38.0	6.667	S	147.821	E	48	*	4.6	4.4	1.1	22	EAST PAPUA NEW GUINEA REGION
a	29	02 12 27.8	48.914	S	121.346	E	10	G	5.2	5.2	1.1	64	SOUTH OF AUSTRALIA
a	29	03 42 34.3	6.499	S	147.730	E	40		5.4	4.8	1.0	118	EAST PAPUA NEW GUINEA REGION
	29	04 02 52.4	28.066	N	130.590	E	26		5.0	4.8	1.0	75	RYUKYU ISLANDS. Felt (I JMA) at Naze.

	29	04 05 24.9&	58.481	N	153.956	W	77					23	KODIAK ISLAND REGION. <AGS-P>.
	29	05 10 02.9	30.011	N	99.504	E	33	N	5.0		1.1	113	SICHUAN PROVINCE, CHINA
	29	05 45 35.6?	35.43	N	22.86	E	10	G			0.5	5	MEDITERRANEAN SEA. MD 3.9 (ATH).
	29	05 46 41.9	30.088	N	50.908	E	40		5.0	4.3	1.2	119	IRAN. Felt at Gach Saran and Mamasani.
	29	05 55 42.4	59.597	N	29.904	W	10	G	4.5		0.7	35	NORTH ATLANTIC OCEAN
	29	06 12 04.8*	33.468	S	70.893	W	51	?			0.5	8	CHILE-ARGENTINA BORDER REGION. Felt (IV) in the Santiago area and (III) at Valparaisa.
	29	07 48 23.5?	39.11	N	27.56	E	10	G			0.7	4	TURKEY
	29	08 27 05.1%	41.387	N	29.236	E	10	G			0.6	5	TURKEY
	29	08 29 27.4	41.957	N	142.215	E	73		5.0		1.0	151	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hirao, Tamakamai and Urakawa; (I JMA) at Kushiro and Obihiro. Also felt (II JMA) at Hachinahe, Honshu.
	29	09 25 46.2	6.589	S	147.765	E	55		4.7		1.1	31	EAST PAPUA NEW GUINEA REGION
	29	09 49 56.4%	44.254	N	7.520	E	10	G			0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
	29	09 52 45.4	6.517	S	147.769	E	51	*	4.3		0.8	17	EAST PAPUA NEW GUINEA REGION
	29	10 29 37.0	6.632	S	147.792	E	43	*	5.0		0.9	14	EAST PAPUA NEW GUINEA REGION
	29	11 19 12.5	40.586	N	15.758	E	25		4.1		1.0	90	SOUTHERN ITALY. ML 4.5 (TTG). MD 4.3 (ATH).
	29	11 22 04.5%	38.444	N	26.574	E	10	G			0.9	7	AEGEAN SEA
	29	11 22 10.3&	59.776	N	153.440	W	127					27	SOUTHERN ALASKA. <AGS-P>.
	29	12 16 52.4%	38.306	N	26.543	E	10	G			1.5	6	AEGEAN SEA
	29	12 24 38.0	36.653	N	71.109	E	268	*	4.2		0.9	19	AFGHANISTAN-USSR BORDER REGION
	29	12 44 53.8*	38.520	S	176.024	E	33	N			1.0	10	NORTH ISLAND, NEW ZEALAND
	29	16 00 03.5*	56.623	N	156.885	W	33	N			1.0	5	ALASKA PENINSULA. ML 3.5 (PMR).
	29	17 16 55.0?	9.61	N	84.85	W	33	N			0.6	6	COSTA RICA. MD 3.5 (SJR). Felt in the Golfo de Nicoya area.
	29	17 17 08.0%	61.816	N	7.433	E	10	G			1.0	8	SOUTHERN NORWAY. MD 2.1 (BER).
	29	18 51 56.2?	31.67	S	69.67	W	166	?			0.4	11	SAN JUAN PROVINCE, ARGENTINA
	29	19 06 14.1	49.164	N	6.951	E	10	G			1.1	11	GERMANY. MD 2.2 (UCC).
	29	19 38 01.1%	60.313	N	7.252	E	10	G			0.6	9	SOUTHERN NORWAY. MD 2.1 (BER).
	29	20 37 05.2?	33.93	N	140.42	E	33	N			0.8	6	SOUTH OF HONSHU, JAPAN
	29	20 44 16.7%	40.149	N	28.860	E	10	G			0.4	7	TURKEY
	29	21 49 19.4	15.788	N	89.948	W	24		5.0		1.0	80	GUATEMALA. Felt in the Coban area.
a	29	22 07 11.8	10.204	S	161.395	E	86	D	5.6		1.0	182	SOLOMON ISLANDS
a	29	22 22 30.7	23.897	S	70.337	W	32	D	5.5	4.9	1.1	213	NEAR COAST OF NORTHERN CHILE. Felt (V) at Antofagasta, (IV) at Calama and (II) at Taltal and Tocapilla.
	30	00 10 49.2	38.585	N	26.883	E	10	G			1.0	12	AEGEAN SEA. MD 3.6 (ATH).
	30	01 03 19.0?	10.55	N	60.57	W	33	N			0.7	5	TRINIDAD. MD 3.4 (TRN).
	30	05 59 32.5*	44.568	S	174.314	E	33	N	4.8		1.2	15	OFF E. COAST OF S. ISLAND, N.Z.
	30	06 28 07.9	43.225	N	0.410	W	19				1.2	56	PYRENEES. ML 4.5 (LDG). Felt (V) at Arudy and Castet, (III) at Tarbes and (II) at Pau, France.
	30	06 56 53.1	42.030	N	19.778	E	10	G			0.5	10	YUGOSLAVIA. MD 2.5 (TTG).
	30	06 58 36.7	42.033	N	19.755	E	11				0.4	11	YUGOSLAVIA. MD 2.9 (TTG).
	30	07 23 44.6	42.049	N	19.737	E	10	G			0.6	8	YUGOSLAVIA. MD 2.4 (TTG).
	30	07 25 40.2?	24.20	S	66.78	W	177	?			0.6	7	SALTA PROVINCE, ARGENTINA
	30	08 45 03.9&	12.120	N	86.910	W	54	G				15	NICARAGUA. <HDC>. MD 4.2 (SJR).
	30	10 04 56.1	42.031	N	19.757	E	10	G			0.4	10	YUGOSLAVIA. MD 2.5 (TTG).
	30	10 41 42.1*	28.889	N	52.169	E	33	N	4.3		0.8	10	SOUTHERN IRAN
	30	11 28 20.8	19.924	S	175.537	W	217	D	5.0		1.1	80	TONGA ISLANDS
	30	12 23 28.2&	63.748	N	148.972	W	0					14	CENTRAL ALASKA. <AGS-P>. ML 3.1 (PMR).
	30	12 29 47.4	19.250	N	64.547	W	39		4.6	4.2	1.1	63	VIRGIN ISLANDS. Felt at San Juan, Cidra, Bayaman and Rio Grande, Puerto Rico.
a	30	13 39 17.1	17.851	S	173.043	W	38	D	5.0	4.7	1.4	78	TONGA ISLANDS
a	30	13 50 56.2	17.401	N	94.645	W	138	D	5.2		1.0	236	CHIAPAS, MEXICO. Felt at Juchitan, Oaxaca, Veracruz, Mexico City, Malpaso, Penitas, Tuxtla Gutierrez, Puebla and Villahermosa.
	30	13 52 50.1	21.272	S	174.091	W	33	N	5.1	5.1	1.2	69	TONGA ISLANDS
	30	15 07 58.5%	39.245	N	27.763	E	10	G			0.4	5	TURKEY
	30	16 50 45.9	6.469	S	147.765	E	49		5.2	4.6	1.1	61	EAST PAPUA NEW GUINEA REGION
	30	16 51 34.1*	37.089	N	59.788	E	10	G			1.3	5	IRAN-USSR BORDER REGION. ML 3.8 (TEH). Felt at Tarbat-e-Heydariyeh, Iran.
	30	17 08 28.9?	21.02	S	68.66	W	33	N			0.9	5	CHILE-BOLIVIA BORDER REGION
	30	17 17 44.5?	47.71	N	8.11	E	10	G			0.7	5	SWITZERLAND
	30	17 43 53.9?	41.74	N	12.58	E	10	G			0.5	4	SOUTHERN ITALY
	30	18 22 44.9	34.078	N	135.226	E	5	G			0.4	8	NEAR S. COAST OF SOUTHERN HONSHU. MG 3.6 (JMA). Felt (II JMA) at Wakayama.
	30	20 11 03.5%	46.537	N	2.124	E	10				0.8	9	FRANCE. ML 2.1 (LDG).
	30	20 13 06.9*	0.530	N	126.694	E	75	?			0.9	9	MOLUCCA PASSAGE
	30	20 13 43.4	29.781	N	99.187	E	33	N	4.4		1.3	16	SICHUAN PROVINCE, CHINA
	30	20 16 28.6	42.038	N	19.758	E	10	G			0.1	6	YUGOSLAVIA. MD 2.0 (TTG).
	30	20 58 21.4?	37.20	N	28.63	E	10	G			0.8	4	TURKEY
	30	21 04 35.4&	62.493	N	151.232	W	84					31	CENTRAL ALASKA. <AGS-P>.
	30	21 20 45.6?	32.63	S	71.32	W	55	?			0.4	9	NEAR COAST OF CENTRAL CHILE
	30	22 37 23.3*	39.661	N	20.974	E	10	G			1.0	6	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH).
	30	23 15 50.3	40.426	N	63.390	E	33	N	4.7		0.8	32	UZBEK SSR. Felt (III) at Gazli.
	30	23 16 57.8%	59.935	N	6.299	E	10	G			1.6	7	SOUTHERN NORWAY. MD 1.5 (BER).
	31	00 46 40.5&	58.961	N	154.362	W	135		3.6			49	ALASKA PENINSULA. <AGS-P>.
	31	01 14 13.8*	15.355	S	177.295	W	380	*	5.0		1.2	22	FIJI ISLANDS REGION
	31	02 56 17.3	38.115	N	20.629	E	16				1.1	14	GREECE. ML 3.6 (ATH).
	31	03 24 26.9&	59.799	N	152.357	W	59					25	SOUTHERN ALASKA. <AGS-P>.
	31	04 04 06.2?	50.33	N	18.98	E	10	G			0.5	4	POLAND. ML 3.0 (KRA).
	31	04 15 14.8	6.804	N	73.023	W	172	D	5.1		0.8	85	NORTHERN COLOMBIA
	31	04 41 42.6*	36.386	N	35.531	E	33	N			1.3	9	TURKEY
	31	05 49 56.6&	59.947	N	152.509	W	72					26	SOUTHERN ALASKA. <AGS-P>.
f	31	05 54 20.5	45.383	S	167.086	E	23	G	5.8	6.3	1.2	278	SOUTH ISLAND, NEW ZEALAND. Ms 6.5 (BRK). Mo=6.0*10**18 Nm (PPT). Felt strongly in the southwestern part of South Island. Also felt at Wellington. Depth from broadband displacement seismograms.
	31	06 05 27.7&	61.329	N	152.220	W	123					24	SOUTHERN ALASKA. <AGS-P>.
	31	06 41 07.5?	40.08	N	29.37	E	10	G			0.2	4	TURKEY
	31	08 10 33.2?	37.83	N	15.05	E	10	G			0.1	4	SICILY
	31	09 36 07.5%	39.124	N	27.622	E	10	G			0.4	5	TURKEY
	31	09 52 46.1*	42.778	N	12.657	E	10	G			0.1	5	CENTRAL ITALY. MD 2.4 (SSO).
	31	10 00 02.5*	31.190	S	68.829	W	10	G			0.9	10	SAN JUAN PROVINCE, ARGENTINA. Felt slightly.

	31	10 01 07.3%	37.743	N	29.172	E	10	G			0.5	5	TURKEY
	31	10 03 41.0?	42.71	N	19.10	E	10	G			0.4	4	YUGOSLAVIA. MD 2.1 (TTG).
	31	10 31 01.2?	41.61	N	12.53	E	10	G			0.3	6	SOUTHERN ITALY
	31	10 38 04.7	18.177	S	168.044	E	55	*	4.9	4.3	1.1	40	VANUATU ISLANDS
	31	11 54 53.0*	32.877	S	71.229	W	57	?			0.3	10	NEAR COAST OF CENTRAL CHILE
	31	12 14 59.0	34.719	N	32.237	E	16				0.9	12	CYPRUS. ML 3.5 (CSS). Felt (IV) in the Paphos area.
	31	12 24 28.7&	60.501	N	152.301	W	93					27	SOUTHERN ALASKA. <AGS-P>.
	31	12 46 57.4&	47.952	N	121.894	W	18					30	WASHINGTON. <SEA>. CL 2.6 (SEA). Felt at Granite Falls.
a	31	14 20 24.1	3.006	S	142.078	E	33	N	5.2	4.5	1.1	67	NEAR N COAST OF PAPUA NEW GUINEA
	31	16 18 08.2	44.490	N	7.313	E	10	G			0.4	9	NORTHERN ITALY. ML 2.0 (GEN).
	31	16 25 03.1?	44.45	N	7.26	E	10	G			0.1	4	NORTHERN ITALY. ML 1.7 (GEN).
	31	16 51 05.0	27.998	S	66.601	W	168		4.5		1.4	42	CATAMARCA PROVINCE, ARGENTINA
	31	17 12 07.3?	34.14	N	135.26	E	10	G			0.3	4	NEAR S. COAST OF SOUTHERN HONSHU. MG 1.9 (JMA). Felt (I JMA) at Wakayama.
	31	17 24 48.3*	22.666	N	94.372	E	106	*	4.2		1.4	13	BURMA
	31	17 30 47.2?	41.76	N	12.73	E	10	G			0.2	4	SOUTHERN ITALY
a	31	19 10 37.0	6.512	S	147.817	E	43		5.2	4.8	1.0	62	EAST PAPUA NEW GUINEA REGION
	31	20 53 18.8?	44.18	N	12.31	E	10	G			0.3	4	NORTHERN ITALY
	31	22 33 42.9*	6.689	S	147.747	E	60	?	4.5	4.0	1.4	10	EAST PAPUA NEW GUINEA REGION
	31	23 43 24.2	39.620	N	27.795	E	9				1.0	40	TURKEY

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

01 08 45 21.60 4.200S 101.366E 31km
5.6mb (42 obs.) 5.6Msz (28 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centroid Location:
Origin Time 08:45:22.0 0.6
Lat 4.98S 0.05 Lon 101.01E 0.05
Dep 23.1 2.8 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.67	65	9
N	0.80	3	106
P	-4.46	25	197

Best Double Couple:Mo=4.1*10**17
NP1:Strike=294 Dip=21 Slip= 99
NP2: 105 70 87

02 06 27 28.26 45.060N 28.141W 10km
5.2mb (50 obs.) 5.6Msz (10 abs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 06:27:31.2 0.5
Lat 44.54N 0.10 Lon 28.12W 0.04
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.02	0	90
N	-0.05	0	180
P	-1.97	90	180

Best Double Couple:Mo=2.0*10**17
NP1:Strike=180 Dip=45 Slip= -90
NP2: 0 45 -90

02 09 30 15.52 16.747N 99.343W 10km
5.4mb (57 obs.) 4.9Msz (4 obs.)
NEAR COAST OF GUERRERO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 09:30:17.6 0.5
Lat 16.82N FIX;Lon 99.35W FIX
Dep 47.9 5.7 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.57	52	94
N	0.68	32	311
P	-2.25	18	209

Best Double Couple:Mo=1.9*10**17
NP1:Strike=260 Dip=39 Slip= 33
NP2: 144 70 124

02 09 30 58.97 44.968N 28.025W 10km
5.0mb (57 obs.) 5.5Msz (11 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 09:31: 3.1 0.5
Lat 44.75N 0.09 Lon 27.82W 0.09
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.91	17	271
N	-0.40	16	6
P	-1.51	67	137

Best Double Couple:Mo=1.7*10**17
NP1:Strike=339 Dip=31 Slip=-121
NP2: 194 64 -73

03 05 53 01.17 30.091N 99.475E 14km
6.1mb (77 obs.) 6.1Msz (15 abs.)
SICHUAN PROVINCE, CHINA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=111 Dip=75 Slip= -38
NP2: 212 54 -161
Principal Axes:

	Plg=	Azm=
T	14	166
P	37	65

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 10 Focal mech. C
Energy 0.5±0.1*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C M.W.: 14S, 24C
Centroid Location:
Origin Time 05:53:12.2 0.1
Lat 30.00N 0.02 Lon 99.69E 0.03
Dep 15.0 FIX Half-duration 5.0
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.30	4	169
N	-0.15	18	260
P	-2.15	71	67

Best Double Couple:Mo=2.2*10**18
NP1:Strike=240 Dip=44 Slip=-117
NP2: 95 52 -66

03 09 13 24.23 29.964N 51.655E 33km
5.1mb (12 abs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 09:13:20.4 1.4
Lat 29.64N 0.16 Lon 51.42E 0.15
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.42	15	108
N	-0.02	53	219
P	-8.40	33	8

Best Double Couple:Mo=8.4*10**16
NP1:Strike=153 Dip=55 Slip=-166
NP2: 55 78 -36

03 15 41 30.88 30.053N 99.499E 8km
5.8mb (84 obs.) 5.9Msz (14 obs.)
SICHUAN PROVINCE, CHINA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=111 Dip=68 Slip= -31
NP2: 214 61 -155
Principal Axes:

	Plg=	Azm=
T	4	164
P	37	70

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 0.4±0.1*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 6 No. of sta: 6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.61	8	350
N	-2.38	48	251
P	-4.23	41	87

Best Double Couple:Mo=5.4*10**17
NP1:Strike=120 Dip=56 Slip= -27
NP2: 225 68 -143
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 15:41:40.5 0.2
Lat 29.83N 0.02 Lon 99.43E 0.05
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	7.30	0	181
N	-3.39	0	91
P	-3.90	90	180

Best Double Couple:Mo=5.6*10**17
NP1:Strike=271 Dip=45 Slip= -90
NP2: 91 45 -90

03 18 44 54.26 6.955N 94.592E 33km
4.9mb (31 obs.) 4.8Msz (2 obs.)
NICOBAR ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 18:44:58.1 1.0
Lat 6.90N 0.11 Lon 95.13E 0.12
Dep 33.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.43	26	274
N	-0.52	49	149
P	-5.91	29	20

Best Double Couple:Mo=6.2*10**16
NP1:Strike= 56 Dip=49 Slip= -2
NP2: 148 89 -139

04 00 22 06.74 11.03BN 68.270W 16km
5.4mb (62 abs.) 5.2Msz (9 obs.)
NEAR COAST OF VENEZUELA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 33C
Centroid Location:
Origin Time 00:22:11.9 0.8
Lat 10.96N 0.07 Lon 68.42W 0.06
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.30	22	104
N	-0.34	51	224
P	-1.96	30	0

Best Double Couple:Mo=2.1*10**17
NP1:Strike=145 Dip=51 Slip=-174
NP2: 51 85 -39

04 03 37 39.20 40.537N 127.437W 5km
5.0mb (33 abs.) 4.1Msz (1 obs.)
OFF COAST OF NORTHERN CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 23C
Centroid Location:
Origin Time 03:37:45.4 1.0
Lat 40.46N 0.12 Lon 127.72W 0.11
Dep 15.0 FIX Half-durotion 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.14 Plg= 0 Azm=237
N -0.22 0 147
P -3.92 90 180
Best Double Couple:Mo=4.0*10**16
NP1:Strike=327 Dip=45 Slip= -90
NP2: 147 45 -90

04 10 30 06.96 6.609S 75.760W 33km
5.5mb (64 obs.) 5.1Msz (4 obs.)
NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 15S, 24C
Centroid Location:
Origin Time 10:30:13.4 0.5
Lat 6.31S 0.08 Lon 76.18W 0.10
Dep 36.3 5.5 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 5.92 Plg=72 Azm=287
N 0.16 13 150
P -6.08 12 57
Best Double Couple:Mo=6.0*10**16
NP1:Strike=130 Dip=35 Slip= 66
NP2: 338 58 106

04 13 15 08.06 21.963S 179.305W 591km
5.4mb (49 abs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 41C
Centraid Lacatian:
Origin Time 13:15:14.9 0.4
Lat 21.96S 0.03 Lan 179.34W 0.03
Dep 616.4 1.4 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.21 Plg=68 Azm=169
N 0.59 15 38
P -4.81 16 303
Best Double Cauple:Mo=4.5*10**17
NP1:Strike= 12 Dip=32 Slip= 60
NP2: 226 63 107

04 18 32 55.69 13.039S 76.195W 72km
5.3mb (19 abs.)
NEAR COAST OF PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 26C
Centroid Location:
Origin Time 18:33: 2.3 0.5
Lat 12.84S 0.06 Lon 76.20W 0.09
Dep 84.0 6.2 Half-duratian 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 5.88 Plg=65 Azm=239
N -0.92 5 339
P -4.96 24 71
Best Double Cauple:Mo=5.4*10**16
NP1:Strike=172 Dip=21 Slip= 103
NP2: 337 70 85

05 18 28 39.45 8.281S 71.381W 593km
6.4mb (71 abs.)
WESTERN BRAZIL
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=145 Dip=60 Slip=-103
NP2: 350 32 -69
Principal Axes:
T Plg=14 Azm=244
P 72 24
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a small right-lateral strike-slip component. The preferred foult plane is NP1.
RADIATED ENERGY
No. of sto: 7 Focal mech. M
Energy 0.9±0.3*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 597 No. of sta: 12
Principal Axes:
Scale 10**19 Nm
T Val= 3.93 Plg= 8 Azm=235
N 0.00 5 326
P -3.94 81 88
Best Double Couple:Mo=3.9*10**19
NP1:Strike=319 Dip=37 Slip= -98
NP2: 149 53 -84
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 24S, 63C M.W.: 15S, 35C
Centroid Location:
Origin Time 18:28:49.4 0.1
Lat 8.05S 0.01 Lon 71.49W 0.01
Dep 606.0 0.7 Half-durotion 12.0
Principal Axes:
Scale 10**19 Nm
T Val= 4.58 Plg=15 Azm=249
N 0.42 3 158
P -5.00 75 57
Best Double Couple:Mo=4.8*10**19
NP1:Strike=344 Dip=31 Slip= -84
NP2: 157 60 -93

07 00 38 18.53 23.553N 99.526E 33km
5.3mb (67 abs.) 5.6Msz (10 abs.)
BURMA-CHINA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 29C
Centroid Lacation:
Origin Time 00:38:20.3 0.4
Lat 23.46N 0.04 Lon 99.65E 0.06
Dep 15.0 FIX Half-durotian 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.26 Plg=18 Azm=292
N 0.13 72 103
P -3.39 3 201
Best Double Cauple:Ma=3.3*10**17
NP1:Strike=335 Dip=76 Slip= 169
NP2: 68 79 15

08 03 36 38.45 18.891S 178.845W 531km
5.4mb (44 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Lacatian:
Origin Time 03:36:45.6 0.6
Lat 18.72S 0.07 Lon 179.37W 0.05
Dep 516.8 3.3 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.66 Plg= 5 Azm=203
N -0.19 73 95
P -2.47 16 294
Best Double Couple:Mo=2.6*10**17
NP1:Strike=337 Dip=75 Slip= -8
NP2: 69 82 -165

08 06 20 02.09 0.019N 126.696E 76km
5.1mb (13 abs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 24C
Centraid Lacatian:
Origin Time 06:20: 3.2 0.6
Lat 0.04S 0.07 Lon 126.09E 0.06
Dep 33.0 FIX Half-duratian 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.49 Plg=61 Azm= 93
N 0.26 1 0
P -1.75 28 269
Best Double Couple:Mo=1.6*10**17
NP1:Strike=355 Dip=17 Slip= 85
NP2: 181 73 92

08 14 28 30.99 23.427S 179.953W 548km
5.6mb (41 abs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 49C
Centroid Locotion:
Origin Time 14:28:39.3 0.2
Lat 23.62S 0.02 Lon 180.01E 0.02
Dep 558.1 1.1 Half-duration 5.1
Principal Axes:
Scale 10**18 Nm
T Val= 2.93 Plg=63 Azm=137
N -0.03 0 228
P -2.90 27 318
Best Double Couple:Ma=2.9*10**18
NP1:Strike= 49 Dip=18 Slip= 91
NP2: 228 72 90

08 23 18 43.61 32.282N 137.626E 390km
5.1mb (65 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centraid Lacatian:
Origin Time 23:18:46.5 0.5
Lat 32.12N 0.04 Lan 137.46E 0.09
Dep 381.3 2.9 Half-duratian 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.48 Plg=39 Azm= 97
N -0.01 4 4
P -1.48 51 269
Best Double Cauple:Ma=1.5*10**17
NP1:Strike=218 Dip= 7 Slip= -55
NP2: 3 84 -94

09 02 30 37.86 28.071N 16.156W 23km
5.2mb (51 obs.) 4.6Msz (1 obs.)
CANARY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 19C
Centraid Lacatian:
Origin Time 02:30:32.2 1.3
Lat 28.03N FIX;Lan 16.17W FIX
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.53 Plg=60 Azm= 91
N -0.91 24 312
P -3.62 18 214
Best Double Cauple:Mo=4.1*10**16
NP1:Strike=273 Dip=34 Slip= 45
NP2. 143 67 116

09 15 34 09.65 52.991S 159.386E 10km
5.3mb (12 obs.) 4.8Msz (1 abs.)
MACQUARIE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centraid Lacatian:
Origin Time 15:34:16.7 0.4
Lat 52.94S FIX;Lan 158.73E FIX
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.94 Plg= 1 Azm=167
N -0.07 75 259
P -1.87 15 77
Best Double Cauple:Ma=1.9*10**17
NP1:Strike=213 Dip=79 Slip=-170
NP2: 121 80 -11

10 01 06 49.67 22.146S 69.303E 10km
5.2mb (29 abs.) 5.1Msz (4 abs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 19C
Centroid Lacatian:
Origin Time 01:06:53.5 0.7
Lat 22.23S FIX;Lan 69.27E FIX
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.91 Plg= 0 Azm=238
N -2.54 0 148
P -4.37 90 180
Best Double Couple:Ma=5.6*10**16
NP1:Strike=328 Dip=45 Slip= -90
NP2: 148 45 -90

12 22 25 25.87 12.952N 87.947W 57km
5.4mb (7 obs.)
NEAR COAST OF NICARAGUA

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 29C
Centraid Lacatian:
Origin Time 22:25:30.9 0.5
Lat 12.89N FIX;Lan 87.78W FIX
Dep 63.3 4.8 Half-duratian 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.02	55	62
N	0.16	27	283
P	-11.18	20	183

Best Double Cauple:Ma=1.1*10**17

	Strike=	Dip=	Slip=
NP1:	236	35	37
NP2:	114	70	119

13 03 35 02.85 50.103N 105.360E 36km
5.6mb (73 obs.) 5.6Msz (13 obs.)
USSR-MONGOLIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centraid Lacatian:
Origin Time 03:35: 4.3 0.4
Lat 50.32N 0.05 Lan 105.93E 0.09
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.95	10	162
N	-0.70	69	278
P	-3.24	19	69

Best Double Cauple:Ma=3.6*10**17

	Strike=	Dip=	Slip=
NP1:	206	70	-174
NP2:	114	84	-20

13 12 15 04.17 18.983N 107.519W 33km
4.9mb (16 obs.) 4.9Msz (1 obs.)
OFF COAST OF JALISCO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 28C
Centraid Lacation:
Origin Time 12:15: 6.0 0.8
Lat 19.25N 0.10 Lan 108.24W 0.09
Dep 15.0 FIX Half-duratian 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.42	16	62
N	-0.26	69	284
P	-7.16	13	156

Best Double Cauple:Mo=7.3*10**16

	Strike=	Dip=	Slip=
NP1:	199	69	2
NP2:	109	88	159

13 23 19 41.82 35.220N 91.575E 33km
4.9mb (20 obs.) 4.9Msz (3 obs.)
QINGHAI PROVINCE, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centraid Lacatian:
Origin Time 23:19:47.8 0.6
Lat 35.69N 0.06 Lon 91.65E 0.07
Dep 15.0 FIX Half-duratian 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.63	18	110
N	0.89	66	333
P	-10.52	15	205

Best Double Cauple:Ma=1.0*10**17

	Strike=	Dip=	Slip=
NP1:	248	66	2
NP2:	157	88	156

14 00 59 50.45 30.523S 178.414W 44km
5.9mb (44 obs.) 6.6Msz (21 obs.)
KERMADEC ISLANDS
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	5	60	90
NP2:	185	30	90

Principal Axes:

	Plg=	Azm=
T	75	275
P	15	95

Comment: The facal mechanism is paorly cantrolled and correspands to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
Na. af sta: 5 Focal mech. F
Energy 0.4±0.1*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 32 Na. af sta: 15
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.82	60	281
N	0.21	5	183
P	-2.04	29	90

Best Double Cauple:Ma=1.9*10**19

	Strike=	Dip=	Slip=
NP1:	167	16	73
NP2:	4	75	95

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 41C M.W.: 10S, 23C
Centraid Lacatian:
Origin Time 01:00: 2.0 0.2
Lat 30.84S 0.01 Lan 177.87W 0.01
Dep 44.2 0.7 Half-duratian 10.5
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	2.49	73	266
N	0.00	5	12
P	-2.50	16	104

Best Double Cauple:Ma=2.5*10**19

	Strike=	Dip=	Slip=
NP1:	201	29	100
NP2:	9	61	84

GEOSCOPE MOMENT TENSOR (PAR)
Dep 50.0 Half-duratian 11.0
Best Double Cauple:Ma=3.8*10**19

	Strike=	Dip=	Slip=
NP1:	221	65	106
NP2:	6	29	59

14 09 10 25.37 2.922S 127.669E 33km
5.4mb (24 obs.) 4.7Msz (7 obs.)
CERAM SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 25C
Centraid Location:
Origin Time 09:10:29.0 0.6
Lat 2.83S 0.08 Lon 127.65E 0.07
Dep 21.3 7.8 Half-duratian 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.43	3	341
N	0.17	82	96
P	-2.60	7	251

Best Double Cauple:Ma=2.5*10**17

	Strike=	Dip=	Slip=
NP1:	26	83	-177
NP2:	296	87	-7

14 09 40 46.57 13.733S 66.248E 10km
5.2mb (41 obs.) 5.6Msz (17 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 44C
Centroid Lacatian:
Origin Time 09:40:54.7 0.3
Lat 13.45S 0.04 Lon 66.06E 0.03
Dep 15.0 FIX Half-duratian 3.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	10.77	13	98
N	-2.35	72	237
P	-8.42	11	6

Best Double Cauple:Ma=9.6*10**17

	Strike=	Dip=	Slip=
NP1:	142	72	179
NP2:	232	89	18

14 17 05 05.14 7.439S 128.048E 112km
5.3mb (15 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 28C
Centroid Location:
Origin Time 17:05: 8.7 1.3
Lat 7.80S 0.12 Lan 127.97E 0.09
Dep 144.0 2.7 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.36	55	219
N	-1.38	27	82
P	-8.98	20	342

Best Double Cauple:Ma=9.7*10**16

	Strike=	Dip=	Slip=
NP1:	34	34	37
NP2:	273	70	119

14 22 53 36.25 52.671N 35.037W 10km
5.0mb (50 obs.) 5.4Msz (7 obs.)
NORTH ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 38C
Centroid Location:
Origin Time 22:53:41.3 0.6
Lat 52.46N 0.05 Lan 34.60W 0.06
Dep 15.0 FIX Half-duratian 2.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.90	0	229
N	-0.87	90	180
P	-3.03	0	139

Best Double Cauple:Mo=3.5*10**17

	Strike=	Dip=	Slip=
NP1:	274	90	180
NP2:	4	90	0

15 18 05 38.29 24.087N 122.278E 47km
5.2mb (41 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 15C
Centroid Location:
Origin Time 18:05:38.9 0.8
Lat 23.93N 0.07 Lan 122.25E 0.18
Dep 69.7 6.4 Half-durotian 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.68	57	316
N	1.72	33	129
P	-7.39	3	221

Best Double Couple:Mo=6.5*10**16

	Strike=	Dip=	Slip=
NP1:	341	51	134
NP2:	103	56	49

15 18 16 16.87 1.550N 127.268E 106km
5.5mb (28 obs.)
HALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 28C
Centroid Locatian:
Origin Time 18:16:16.9 0.8
Lat 1.75N 0.08 Lan 127.24E 0.08
Dep 80.9 4.9 Half-duratian 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.92	60	215
N	-0.54	30	39
P	-10.38	2	308

Best Double Cauple:Ma=1.1*10**17

	Strike=	Dip=	Slip=
NP1:	11	51	50
NP2:	244	54	128

15 19 24 26.35 43.212N 147.879E 33km
5.2mb (62 obs.) 4.9Msz (4 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centraid Location:
Origin Time 19:24:31.5 0.7
Lat 43.54N 0.10 Lon 147.46E 0.18
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.24	57	292
N	-1.00	8	34
P	-7.24	32	129

Best Double Cauple:Ma=7.7*10**16

	Strike=	Dip=	Slip=
NP1:	243	15	120
NP2:	32	77	82

15 21 23 51.46 45.472N 151.693E 33km
5.3mb (47 obs.) 4.9Msz (12 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 28C
Centroid Location:
Origin Time 21:23:53.4 0.6
Lat 45.63N 0.08 Lon 152.26E 0.13
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.06	70	270
N	0.38	12	36
P	-9.44	16	130

Best Double Cauple:Mo=9.3*10**16

	Strike=	Dip=	Slip=
NP1:	237	31	114
NP2:	30	62	76

15 23 34 33.65 9.803S 159.531E 24km
5.9mb (48 obs.) 5.9Msz (21 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves

	Strike=	Dip=	Slip=
NP1:	95	85	16
NP2:	4	74	175

Principal Axes:
T Plg=15 Azm=320
P 8 228
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. M
Energy 0.1±0.0*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 9 No. of sta: 11
Principal Axes:
Scale 10**18 Nm
T Val= 1.61 Plg=27 Azm=307
N 0.03 33 56
P -1.65 46 186
Best Double Couple:Mo=1.6*10**18
NP1:Strike=349 Dip=35 Slip=-161
NP2: 243 79 -57
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 38C
Centroid Location:
Origin Time 23:34:40.3 0.3
Lat 9.94S 0.03 Lon 159.56E 0.04
Dep 28.1 2.5 Half-duration 3.3
Principal Axes:
Scale 10**17 Nm
T Val= 7.45 Plg=27 Azm=332
N 1.93 29 79
P -9.38 48 207
Best Double Couple:Mo=8.4*10**17
NP1:Strike= 15 Dip=32 Slip=-158
NP2: 266 79 -60

16 12 21 10.74 43.555N 127.632W 10km
5.3mb (54 obs.) 5.3Msz (11 obs.)
OFF COAST OF OREGON
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 12:21:13.4 0.6
Lat 43.38N 0.07 Lon 128.12W 0.05
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.44 Plg= 2 Azm=248
N 0.35 71 343
P -2.80 18 158
Best Double Couple:Mo=2.6*10**17
NP1:Strike=295 Dip=76 Slip=-168
NP2: 202 78 -14

16 16 01 00.45 45.394N 151.772E 33km
5.5mb (54 obs.) 4.9Msz (7 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 16:01: 4.4 1.1
Lat 45.73N 0.07 Lon 152.24E 0.11
Dep 33.3 4.8 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 6.89 Plg=78 Azm=293
N 2.46 3 36
P -9.35 11 126
Best Double Couple:Mo=8.1*10**16
NP1:Strike=220 Dip=34 Slip= 95
NP2: 34 56 87

16 17 22 52.97 56.329S 139.125W 10km
5.8mb (7 obs.) 5.8Msz (5 obs.)
SOUTH PACIFIC CORDILLERA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 10 Dip=65 Slip=-179
NP2: 280 89 -25
Principal Axes:
T Plg=17 Azm=328
P 18 232
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 39C
Centroid Location:
Origin Time 17:23: 0.9 0.2
Lat 56.48S 0.03 Lon 138.91W 0.05
Dep 15.0 FIX Half-duration 3.4
Principal Axes:
Scale 10**17 Nm
T Val= 6.96 Plg= 2 Azm=335
N 2.67 70 71
P -9.63 20 244
Best Double Couple:Mo=8.3*10**17
NP1:Strike= 21 Dip=74 Slip=-167
NP2: 288 78 -16

17 05 04 35.94 57.086N 122.018E 31km
5.6mb (85 obs.) 5.9Msz (19 obs.)
EASTERN USSR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 05:04:39.8 0.2
Lat 57.07N 0.03 Lon 122.03E 0.06
Dep 29.0 FIX Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 9.05 Plg=19 Azm=334
N 1.86 45 83
P -10.91 39 228
Best Double Couple:Mo=1.0*10**18
NP1:Strike= 18 Dip=48 Slip=-163
NP2: 277 77 -43

17 15 31 42.50 8.660S 109.294W 10km
4.9mb (6 obs.) 5.0Msz (1 obs.)
NORTHERN EASTER I. CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 15:31:43.7 1.2
Lat 9.16S 0.08 Lon 109.38W 0.09
Dep 15.2 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 8.31 Plg= 0 Azm=139
N -1.92 90 180
P -6.39 0 49
Best Double Couple:Mo=7.4*10**16
NP1:Strike=184 Dip=90 Slip= 180
NP2: 274 90 0

17 16 12 54.51 62.104S 154.634E 10km
5.0mb (5 obs.) 5.3Msz (4 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 16:13: 1.8 0.3
Lat 62.34S FIX;Lon 153.74E FIX
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.48 Plg= 2 Azm=199
N -0.29 86 79
P -4.19 3 289
Best Double Couple:Mo=4.3*10**17
NP1:Strike=334 Dip=86 Slip= -1
NP2: 64 89 -176

17 18 16 14.62 7.825N 127.025E 48km
4.9mb (6 obs.) 4.0Msz (1 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 17C
Centroid Location:
Origin Time 18:16:10.6 0.8
Lat 8.21N 0.12 Lon 125.88E 0.16
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 1.36 Plg=38 Azm=302
N -0.12 33 181
P -1.25 35 65
Best Double Couple:Mo=1.3*10**17
NP1:Strike= 96 Dip=33 Slip= 4
NP2: 3 88 123

18 22 00 39.63 17.852N 147.009E 56km
5.5mb (33 obs.) 5.1Msz (17 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 30C
Centroid Location:
Origin Time 22:00:41.1 0.3
Lat 17.89N 0.04 Lon 147.34E 0.03
Dep 15.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.31 Plg=76 Azm=250
N 0.60 5 1
P -2.91 13 93
Best Double Couple:Mo=2.6*10**17
NP1:Strike=190 Dip=32 Slip= 100
NP2: 358 58 84

19 02 21 56.38 54.305N 165.574W 104km
6.1mb (100 obs.)
FOX ISLANDS, ALEUTIAN ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 65 Dip=83 Slip= -83
NP2: 200 10 -135
Principal Axes:
T Plg=38 Azm=149
P 52 343
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a small right-lateral strike-slip component. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 8 Focal mech. C
Energy 0.2±0.1*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 106 No. of sta: 18
Principal Axes:
Scale 10**18 Nm
T Val= 3.05 Plg=41 Azm=149
N -0.59 2 58
P -2.46 49 326
Best Double Couple:Mo=2.8*10**18
NP1:Strike=263 Dip= 4 Slip= -65
NP2: 58 86 -92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 44C M.W.: 11S, 16C
Centroid Location:
Origin Time 02:22: 1.0 0.1
Lat 54.25N 0.01 Lon 165.65W 0.02
Dep 103.9 1.0 Half-duration 4.7
Principal Axes:
Scale 10**18 Nm
T Val= 2.25 Plg=46 Azm=165
N -0.46 9 66
P -1.79 43 327
Best Double Couple:Mo=2.0*10**18
NP1:Strike=344 Dip= 9 Slip= 8
NP2: 246 89 99

19 11 50 54.38 24.839S 70.019W 52km
5.5mb (49 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 11:51: 1.3 0.3
Lat 24.86S FIX;Lon 70.07W FIX
Dep 50.4 5.0 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.61 Plg=51 Azm= 58
N -0.15 18 173
P -1.45 33 275
Best Double Couple:Mo=1.5*10**17
NP1:Strike= 52 Dip=21 Slip= 151
NP2: 169 80 71

20 16 01 43.61 30.508S 178.270W 29km
5.7mb (34 obs.) 5.9Msz (23 obs.)
KERMADEC ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 10 Dip=68 Slip= 90
NP2: 190 22 90
Principal Axes:
T Plg=67 Azm=280
P 23 100
Comment: The focal mechanism is poorly controlled and corresponds to reverse

faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 8 Focal mech. C
Energy 0.5±0.1*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 35 No. of sta: 14
Principal Axes:
Scale 10**18 Nm
T Val= 2.64 Plg=69 Azm=282
N 0.05 1 15
P -2.69 21 105
Best Double Couple:Mo=2.7*10**18
NP1:Strike=197 Dip=24 Slip= 93
NP2: 14 66 89
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 48C M.W.: 11S, 21C
Centroid Location:
Origin Time 16:01:53.8 0.2
Lat 30.64S 0.01 Lon 178.15W 0.01
Dep 49.2 0.8 Half-duration 5.1
Principal Axes:
Scale 10**18 Nm
T Val= 2.64 Plg=74 Azm=263
N 0.38 5 13
P -3.02 15 104
Best Double Couple:Mo=2.8*10**18
NP1:Strike=202 Dip=31 Slip= 101
NP2: 9 60 84

20 20 44 02.26 39.553N 40.172E 38km
5.0mb (56 obs.) 5.1Msz (15 obs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 20:44: 1.6 0.5
Lat 38.87N 0.06 Lon 40.01E 0.05
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.50 Plg= 0 Azm=260
N 0.01 90 180
P -1.51 0 170
Best Double Couple:Mo=1.5*10**17
NP1:Strike=305 Dip=90 Slip= 180
NP2: 35 90 0

21 04 03 42.23 31.111S 177.801W 50km
5.3mb (5 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 22C
Centroid Location:
Origin Time 04:03:43.9 0.6
Lat 31.26S 0.06 Lon 177.53W 0.07
Dep 25.7 4.0 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 10.38 Plg=68 Azm=281
N 1.65 0 191
P -12.04 22 101
Best Double Couple:Mo=1.1*10**17
NP1:Strike=190 Dip=23 Slip= 89
NP2: 11 67 90

21 13 07 34.37 15.988S 178.262E 33km
4.8mb (9 obs.)
FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 13:07:35.0 1.8
Lat 16.27S 0.10 Lon 178.26E 0.13
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.81 Plg= 0 Azm=113
N -2.56 0 23
P -4.25 90 180
Best Double Couple:Mo=5.5*10**16
NP1:Strike=203 Dip=45 Slip= -90
NP2: 23 45 -90

21 19 23 41.18 2.586N 126.702E 58km
5.3mb (29 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 19:23:47.9 0.8
Lat 2.81N 0.07 Lon 126.49E 0.12
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.58 Plg=69 Azm= 97
N 0.04 9 342
P -1.62 19 249
Best Double Couple:Mo=1.6*10**17
NP1:Strike=323 Dip=27 Slip= 69
NP2: 166 65 100

21 19 30 07.19 2.545N 126.537E 77km
5.4mb (13 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 14C
Centroid Location:
Origin Time 19:30:14.7 1.4
Lat 2.53N FIX;Lon 126.56E FIX
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.39 Plg=44 Azm=192
N -0.34 33 321
P -3.05 28 71
Best Double Couple:Mo=3.2*10**17
NP1:Strike=211 Dip=34 Slip= 163
NP2: 315 80 57

21 21 56 48.63 17.952S 178.593W 584km
5.7mb (49 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=302 Dip=68 Slip= -32
NP2: 45 61 -155
Principal Axes:
T Plg= 5 Azm=355
P 38 261
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. C
Energy 0.2±0.1*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 599 No. of sta: 9
Principal Axes:
Scale 10**17 Nm
T Val= 7.36 Plg=11 Azm=350
N 0.04 56 98
P -7.40 32 253
Best Double Couple:Mo=7.4*10**17
NP1:Strike= 36 Dip=59 Slip=-164
NP2: 298 77 -32
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 34C
Centroid Location:
Origin Time 21:56:57.2 0.4
Lat 17.64S 0.03 Lon 178.91W 0.03
Dep 599.2 1.7 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 8.04 Plg=17 Azm= 7
N -0.80 36 110
P -7.23 49 256
Best Double Couple:Mo=7.6*10**17
NP1:Strike= 56 Dip=42 Slip=-151
NP2: 304 71 -52

22 02 02 04.00 59.802N 29.809W 10km
5.0mb (46 obs.) 5.0Msz (8 obs.)
NORTH ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 12C
Centroid Location:
Origin Time 02:01:51.2 0.5
Lat 59.78N FIX;Lon 29.82W FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 7.22 Plg= 0 Azm=187
N 2.54 90 180
P -9.76 0 97
Best Double Couple:Mo=8.5*10**16
NP1:Strike=232 Dip=90 Slip= 180
NP2: 322 90 0

22 11 08 06.07 53.597N 161.657E 41km
5.0mb (53 obs.) 5.2Msz (14 obs.)
OFF EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 21C
Centroid Location:
Origin Time 11:08:11.9 0.6
Lat 53.75N 0.10 Lon 162.02E 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.45 Plg=60 Azm=274
N 0.25 6 14
P -8.70 30 107
Best Double Couple:Mo=8.6*10**16
NP1:Strike=214 Dip=16 Slip= 111
NP2: 13 75 84

23 10 54 46.32 52.341S 160.568E 10km
6.4mb (28 obs.) 8.2Msz (12 obs.)
MACQUARIE ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=120 Dip=85 Slip= 0
NP2: 210 90 185
Principal Axes:
T Plg= 4 Azm=345
P 4 75
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. C
Energy 1.0±0.1*10**17 Nm
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 5
Principal Axes:
Scale 10**21 Nm
T Val= 1.51 Plg= 0 Azm=354
N 0.04 89 105
P -1.55 1 264
Best Double Couple:Mo=1.5*10**21
NP1:Strike= 39 Dip=89 Slip=-179
NP2: 309 89 -1
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 1S, 3C M.W.: 21S, 61C
Centroid Location:
Origin Time 10:55:12.2 0.2
Lat 52.15S 0.01 Lon 160.41E 0.02
Dep 15.0 FIX Half-duration 18.0
Principal Axes:
Scale 10**21 Nm
T Val= 1.39 Plg=21 Azm=352
N -0.06 67 151
P -1.32 8 259
Best Double Couple:Mo=1.4*10**21
NP1:Strike= 34 Dip=69 Slip= 170
NP2: 127 81 21
GEOSCOPE MOMENT TENSOR (PAR)
Dep 30.0 Half-duration 29.0
Best Double Couple:Mo=2.1*10**21
NP1:Strike= 36 Dip=85 Slip= 197
NP2: 305 73 -6

23 17 11 42.85 51.886S 160.563E 10km
5.9mb (30 obs.) 6.0Msz (12 obs.)
NORTH OF MACQUARIE ISLAND
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=128 Dip=89 Slip= 0
NP2: 218 90 181
Principal Axes:
T Plg= 1 Azm=353
P 1 83
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.

24 08 05 47.61 3.748S 123.256E 22km
5.6mb (29 obs.) 5.0Msz (13 obs.)
SULAWESI
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 20C
Centroid Location:
Origin Time 08:05:50.9 0.6

Lat 4.04S 0.08 Lan 123.32E 0.09
Dep 15.0 BDY Half-duratian 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 6.56 Plg=57 Azm=213
N 0.01 20 337
P -6.57 25 77
Best Double Couple:Mo=6.6*10**17
NP1:Strike=204 Dip=27 Slip= 140
NP2: 330 73 69

24 13 31 14.48 56.177N 164.264E 19km
5.9mb (87 obs.) 6.1Msz (35 abs.)
KOMANDORSKY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=300 Dip=90 Slip= 177
NP2: 30 87 360
Principal Axes:
T Plg= 2 Azm=255
P 2 345
Comment: The focal mechanism is moderately well cantralled and correspands to strike-slip faulting. The preferred fault plane is nat determined.
RADIATED ENERGY
No. af sta: 10 Facal mech. C
Energy 0.4±0.1*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 15 No. af sta: 15
Principal Axes:
Scale 10**18 Nm
T Val= 3.14 Plg= 6 Azm=244
N 0.52 78 124
P -3.66 10 335
Best Double Couple:Ma=3.4*10**18
NP1:Strike= 19 Dip=79 Slip= -3
NP2: 110 87 -169
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 49C
Centraid Location:
Origin Time 13:31:20.4 0.2
Lat 56.42N 0.02 Lan 164.05E 0.04
Dep 43.6 2.5 Half-duratian 5.6
Principal Axes:
Scale 10**18 Nm
T Val= 3.66 Plg=12 Azm=242
N -0.23 78 73
P -3.43 2 332
Best Double Couple:Mo=3.5*10**18
NP1:Strike= 18 Dip=80 Slip= 7
NP2: 286 83 170

24 15 43 34.39 56.173N 164.185E 36km
5.5mb (86 obs.) 5.4Msz (18 abs.)
KOMANDORSKY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 35C
Centraid Location:
Origin Time 15:43:38.2 0.3
Lat 56.42N 0.03 Lan 164.09E 0.06
Dep 43.0 3.7 Half-duratian 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 7.84 Plg=12 Azm=241
N -0.55 76 94
P -7.29 8 332
Best Double Couple:Ma=7.6*10**17
NP1:Strike= 17 Dip=76 Slip= 3
NP2: 286 87 166

24 17 59 07.05 55.472N 35.140W 10km
4.9mb (43 abs.) 5.0Msz (4 abs.)
NORTH ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 19C
Centraid Location:
Origin Time 17:59: 9.6 0.5
Lat 54.72N 0.11 Lan 35.25W 0.07
Dep 15.0 FIX Half-duratian 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.17 Plg= 0 Azm=104
N -0.27 0 14
P -0.90 90 180
Best Double Couple:Ma=1.0*10**17
NP1:Strike=194 Dip=45 Slip= -90
NP2: 14 45 -90

25 00 54 52.13 52.272S 159.833E 10km
5.7mb (32 abs.) 5.6Msz (12 obs.)
MACQUARIE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 42C
Centraid Location:
Origin Time 00:55: 2.6 0.2
Lat 51.90S 0.03 Lan 159.10E 0.04
Dep 15.0 FIX Half-duratian 3.7
Principal Axes:
Scale 10**17 Nm
T Val= 11.49 Plg= 4 Azm=199
N -2.34 41 293
P -9.15 49 105
Best Double Couple:Ma=1.0*10**18
NP1:Strike=255 Dip=54 Slip=-144
NP2: 142 61 -41

25 04 43 10.70 52.334S 160.748E 10km
5.5mb (23 obs.) 4.8Msz (3 obs.)
MACQUARIE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 20C
Centraid Location:
Origin Time 04:43: 7.3 0.7
Lat 52.51S 0.14 Lan 160.84E 0.22
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 6.17 Plg=56 Azm=299
N 3.69 8 40
P -9.86 32 135
Best Double Cauple:Ma=8.0*10**16
NP1:Strike=252 Dip=14 Slip= 122
NP2: 39 78 82

25 07 24 15.56 54.98 S 129.20 W 10km
5.2mb (4 obs.) 5.1Msz (2 obs.)
SOUTH PACIFIC CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 27C
Centraid Location:
Origin Time 07:24:25.6 0.5
Lat 55.56S 0.10 Lan 128.74W 0.09
Dep 15.0 FIX Half-duratian 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 9.25 Plg= 0 Azm=156
N -0.47 90 180
P -8.78 0 66
Best Double Cauple:Ma=9.0*10**16
NP1:Strike=201 Dip=90 Slip= 180
NP2: 291 90 0

25 08 06 32.64 5.850S 148.300E 112km
5.9mb (32 abs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=215 Dip=52 Slip= 180
NP2: 125 90 322
Principal Axes:
T Plg=26 Azm=177
P 26 73
Comment: The focal mechanism is paarly cantrolled and correspands ta strike-slip faulting with a large normal campanent. The preferred fault plane is nat determined.
MOMENT TENSOR SOLUTION
Dep 105 No. af sta: 6
Principal Axes:
Scale 10**17 Nm
T Val= 4.24 Plg=22 Azm=168
N 0.01 54 292
P -4.24 27 66
Best Double Cauple:Mo=4.2*10**17
NP1:Strike=209 Dip=54 Slip=-176
NP2: 116 87 -36
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 30C
Centraid Location:
Origin Time 08:06:38.3 0.3
Lat 5.97S 0.03 Lon 148.51E 0.04
Dep 96.3 2.6 Half-duratian 3.4
Principal Axes:
Scale 10**17 Nm
T Val= 7.62 Plg=16 Azm=168
N -0.01 66 298
P -7.61 17 72
Best Double Couple:Ma=7.6*10**17
NP1:Strike=210 Dip=66 Slip=-179
NP2: 120 89 -24

25 09 39 25.49 52.071S 159.931E 10km
5.5mb (18 abs.) 5.5Msz (8 abs.)
MACQUARIE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 41C
Centraid Location:
Origin Time 09:39:34.5 0.3
Lat 51.96S 0.04 Lan 159.22E 0.05
Dep 15.0 FIX Half-duratian 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 7.64 Plg= 6 Azm= 27
N -2.14 57 288
P -5.50 32 121
Best Double Cauple:Mo=6.6*10**17
NP1:Strike=159 Dip=63 Slip= -20
NP2: 258 72 -152

25 11 56 21.67 7.332S 128.539E 171km
5.5mb (40 abs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 70 Dip=60 Slip= 90
NP2: 250 30 90
Principal Axes:
T Plg=75 Azm=340
P 15 160
Comment: The focal mechanism is paarly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 23C
Centroid Location:
Origin Time 11:56:24.0 0.8
Lat 7.63S 0.07 Lon 128.26E 0.07
Dep 170.7 1.8 Half-duratian 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.07 Plg=80 Azm=325
N -0.03 10 152
P -2.04 1 61
Best Double Cauple:Ma=2.1*10**17
NP1:Strike=142 Dip=45 Slip= 76
NP2: 341 47 103

25 13 01 34.23 36.961S 177.434E 287km
4.9mb (12 abs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 29C
Centroid Location:
Origin Time 13:01:39.7 0.7
Lat 36.38S 0.08 Lon 176.91E 0.10
Dep 265.1 3.6 Half-duratian 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.88 Plg=33 Azm=234
N 0.73 51 19
P -11.62 17 132
Best Double Couple:Ma=1.1*10**17
NP1:Strike=268 Dip=53 Slip= 167
NP2: 6 80 37

25 19 49 15.90 15.259S 172.811W 73km
5.0mb (9 abs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centroid Location:
Origin Time 19:49:18.5 0.6
Lat 15.39S 0.09 Lon 173.07W 0.07
Dep 53.4 5.9 Half-duratian 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 5.99 Plg=62 Azm=207
N 2.81 10 317
P -8.81 26 51
Best Double Cauple:Ma=7.4*10**16
NP1:Strike=164 Dip=21 Slip= 119
NP2: 313 72 80

25 20 13 33.42 51.677N 172.128E 33km
5.3mb (70 abs.) 4.6Msz (4 abs.)

NEAR ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centraid Lacation:
Origin Time 20:13:36.4 0.4
Lat 51.47N 0.09 Lon 171.44E 0.09
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.53	20	58
N	-0.93	11	324
P	-6.60	67	207

Best Double Cauple:Ma=7.1*10**16
NP1:Strike=167 Dip=27 Slip= -65
NP2: 319 66 -102

25 21 36 21.27 13.968N 91.804W 69km
5.0mb (25 obs.)
NEAR COAST OF GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 32C
Centraid Lacation:
Origin Time 21:36:17.8 0.5
Lat 13.68N 0.06 Lan 92.26W 0.06
Dep 32.2 3.5 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.59	70	54
N	1.05	8	300
P	-12.64	18	207

Best Double Cauple:Ma=1.2*10**17
NP1:Strike=284 Dip=28 Slip= 72
NP2: 124 64 99

26 07 00 01.71 52.583S 160.106E 10km
5.6mb (14 obs.) 5.3Msz (10 obs.)
MACQUARIE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centraid Location:
Origin Time 07:00:10.5 0.6
Lat 52.00S 0.09 Lan 160.32E 0.13
Dep 15.0 FIX Half-duratian 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.44	51	102
N	0.00	7	201
P	-3.43	38	296

Best Double Cauple:Ma=3.4*10**17
NP1:Strike= 68 Dip= 9 Slip= 138
NP2: 200 84 83

26 12 56 18.32 51.926S 161.386E 10km
5.3mb (8 obs.) 4.9Msz (2 obs.)
NORTH OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centraid Lacation:
Origin Time 12:56:29.5 0.7
Lat 51.87S 0.11 Lan 160.43E 0.08
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.75	0	178
N	0.67	90	180
P	-5.42	0	88

Best Double Cauple:Ma=5.1*10**16
NP1:Strike=223 Dip=90 Slip= 180
NP2: 313 90 0

26 14 28 37.82 4.406S 105.270W 10km
4.7mb (10 obs.) 5.2Msz (4 obs.)
NORTHERN EASTER I. CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 35C
Centraid Location:
Origin Time 14:28:42.1 0.3
Lat 4.72S 0.02 Lan 105.09W 0.03
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.86	0	142
N	-0.44	90	180
P	-2.43	0	52

Best Double Cauple:Ma=2.6*10**17
NP1:Strike=187 Dip=90 Slip= 180
NP2: 277 90 0

27 03 01 24.92 55.279S 133.192W 10km
5.5mb (19 obs.) 5.7Msz (11 obs.)
SOUTH PACIFIC CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 44C
Centraid Lacation:
Origin Time 03:01:33.5 0.2
Lat 55.06S 0.03 Lan 132.89W 0.05
Dep 15.0 FIX Half-duration 4.2
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.53	12	346
N	0.05	3	77
P	-1.58	78	180

Best Double Cauple:Mo=1.6*10**18
NP1:Strike= 72 Dip=33 Slip= -95
NP2: 258 57 -87

27 08 31 18.76 3.451S 138.855E 49km
5.4mb (20 obs.) 4.4Msz (3 obs.)
WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 23C
Centraid Lacation:
Origin Time 08:31:25.2 0.7
Lat 3.49S 0.05 Lan 138.73E 0.06
Dep 71.2 5.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.11	12	92
N	-0.89	16	185
P	-8.22	70	326

Best Double Cauple:Ma=8.7*10**16
NP1:Strike=162 Dip=36 Slip=-117
NP2: 15 59 -72

27 14 27 46.44 50.236S 158.073E 10km
5.5mb (23 obs.) 4.9Msz (5 obs.)
NORTH OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C
Centraid Lacation:
Origin Time 14:27:55.2 0.7
Lat 50.47S 0.06 Lan 156.84E 0.11
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.98	14	35
N	3.45	65	158
P	-13.42	20	299

Best Double Cauple:Ma=1.2*10**17
NP1:Strike= 78 Dip=65 Slip=-176
NP2: 346 86 -25

27 20 08 37.31 30.167N 50.921E 31km
5.6mb (87 obs.) 5.8Msz (26 obs.)
IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 37C
Centroid Lacation:
Origin Time 20:08:41.4 0.4
Lat 29.86N 0.05 Lan 50.69E 0.04
Dep 15.0 BDY Half-duration 3.7
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.40	63	297
N	-0.30	27	133
P	-1.10	7	40

Best Double Cauple:Ma=1.3*10**18
NP1:Strike=103 Dip=45 Slip= 51
NP2: 332 57 122

28 09 46 28.27 16.714S 173.278W 35km
5.7mb (42 obs.) 5.5Msz (20 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=132 Dip=83 Slip= 147
NP2: 227 57 8
Principal Axes:

	Plg=	Azm=
T	28	84
P	17	184

Comment: The facal mechanism is poarly controlled and correspands ta strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 39 Na. af sta: 10
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.95	48	88
N	0.11	38	297
P	-5.06	15	195

Best Double Cauple:Ma=5.0*10**17
NP1:Strike=245 Dip=45 Slip= 29
NP2: 134 70 131
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 33C
Centraid Lacation:
Origin Time 09:46:37.7 0.4
Lat 16.04S 0.03 Lan 172.84W 0.04
Dep 39.9 2.5 Half-duratian 2.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.97	43	65
N	-0.96	43	274
P	-5.01	15	169

Best Double Cauple:Ma=5.5*10**17
NP1:Strike=217 Dip=49 Slip= 23
NP2: 111 73 136

28 10 20 00.35 16.723S 173.247W 50km
5.2mb (30 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centraid Lacation:
Origin Time 10:20: 8.8 0.9
Lat 16.24S 0.09 Lan 173.40W 0.09
Dep 38.8 5.8 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	14.75	58	63
N	-3.32	23	292
P	-11.43	22	192

Best Double Cauple:Ma=1.3*10**17
NP1:Strike=248 Dip=31 Slip= 41
NP2: 120 70 114

28 15 19 07.19 6.515S 147.799E 33km
5.5mb (30 obs.) 5.5Msz (20 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 38C
Centraid Lacation:
Origin Time 15:19:15.4 0.4
Lat 6.75S 0.04 Lan 147.90E 0.05
Dep 15.0 FIX Half-duratian 3.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.02	55	272
N	1.44	10	168
P	-7.46	33	72

Best Double Cauple:Ma=6.7*10**17
NP1:Strike=127 Dip=15 Slip= 48
NP2: 350 79 100

28 15 52 54.28 51.053S 159.682E 10km
5.3mb (7 obs.)
NORTH OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centraid Lacation:
Origin Time 15:53: 7.0 1.0
Lat 50.54S 0.12 Lan 158.29E 0.16
Dep 15.0 FIX Half-duratian 1.9
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	15.56	23	19
N	-3.87	63	233
P	-11.68	14	114

Best Double Cauple:Ma=1.4*10**17
NP1:Strike=158 Dip=64 Slip= 7
NP2: 65 84 154

29 02 12 27.88 48.914S 121.346E 10km
5.2mb (7 obs.) 5.2Msz (1 obs.)
SOUTH OF AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 22C
Centraid Location:
Origin Time 02:12:33.2 0.5
Lat 48.67S 0.04 Lan 121.31E 0.09
Dep 15.0 FIX Half-duratian 2.2
Principal Axes:
Scale 10**17 Nm

T Val= 1.15 Plg= 0 Azm=199
N -0.11 0 109
P -1.04 90 180
Best Double Couple:Mo=1.1*10**17
NP1:Strike=289 Dip=45 Slip= -90
NP2: 109 45 -90

29 03 42 34.38 6.499S 147.730E 40km
5.4mb (36 obs.) 4.8Msz (7 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 03:42:41.3 0.5
Lat 6.93S 0.08 Lon 148.13E 0.08
Dep 53.8 6.5 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 8.03 Plg=49 Azm=145
N 3.97 41 336
P -12.00 6 241
Best Double Couple:Mo=1.0*10**17
NP1:Strike=296 Dip=53 Slip= 35
NP2: 183 62 138

29 22 07 11.88 10.204S 161.395E 86km
5.6mb (36 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 39C
Centroid Location:
Origin Time 22:07:14.0 0.2
Lat 10.25S 0.02 Lon 161.27E 0.03
Dep 57.7 2.2 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 5.26 Plg=63 Azm=126
N -1.21 20 261
P -4.05 17 358
Best Double Couple:Mo=4.7*10**17
NP1:Strike=115 Dip=33 Slip= 128
NP2: 252 65 68

29 22 22 30.72 23.897S 70.337W 32km
5.5mb (56 obs.) 4.9Msz (1 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 22:22:39.7 0.4
Lat 23.52S 0.10 Lon 70.21W 0.08
Dep 25.2 6.2 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.47 Plg=48 Azm= 52
N -0.21 29 180
P -2.26 27 287
Best Double Couple:Mo=2.4*10**17
NP1:Strike= 65 Dip=32 Slip= 158
NP2: 174 79 60

30 13 39 17.14 17.851S 173.043W 38km
5.0mb (18 obs.) 4.7Msz (4 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 13:39:15.1 1.4
Lat 18.12S 0.13 Lon 172.56W 0.14
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 12.74 Plg=55 Azm=276
N -3.46 8 18
P -9.28 33 113
Best Double Couple:Mo=1.1*10**17
NP1:Strike=233 Dip=14 Slip= 126
NP2: 17 79 82

30 13 50 56.26 17.401N 94.645W 138km
5.2mb (65 obs.)
CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 13:51: 0.9 0.4
Lat 17.63N 0.04 Lon 94.84W 0.04
Dep 142.4 1.1 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 7.37 Plg= 4 Azm= 62
N -0.49 43 328
P -6.87 46 156
Best Double Couple:Mo=7.1*10**17
NP1:Strike=188 Dip=56 Slip= -34
NP2: 298 63 -141

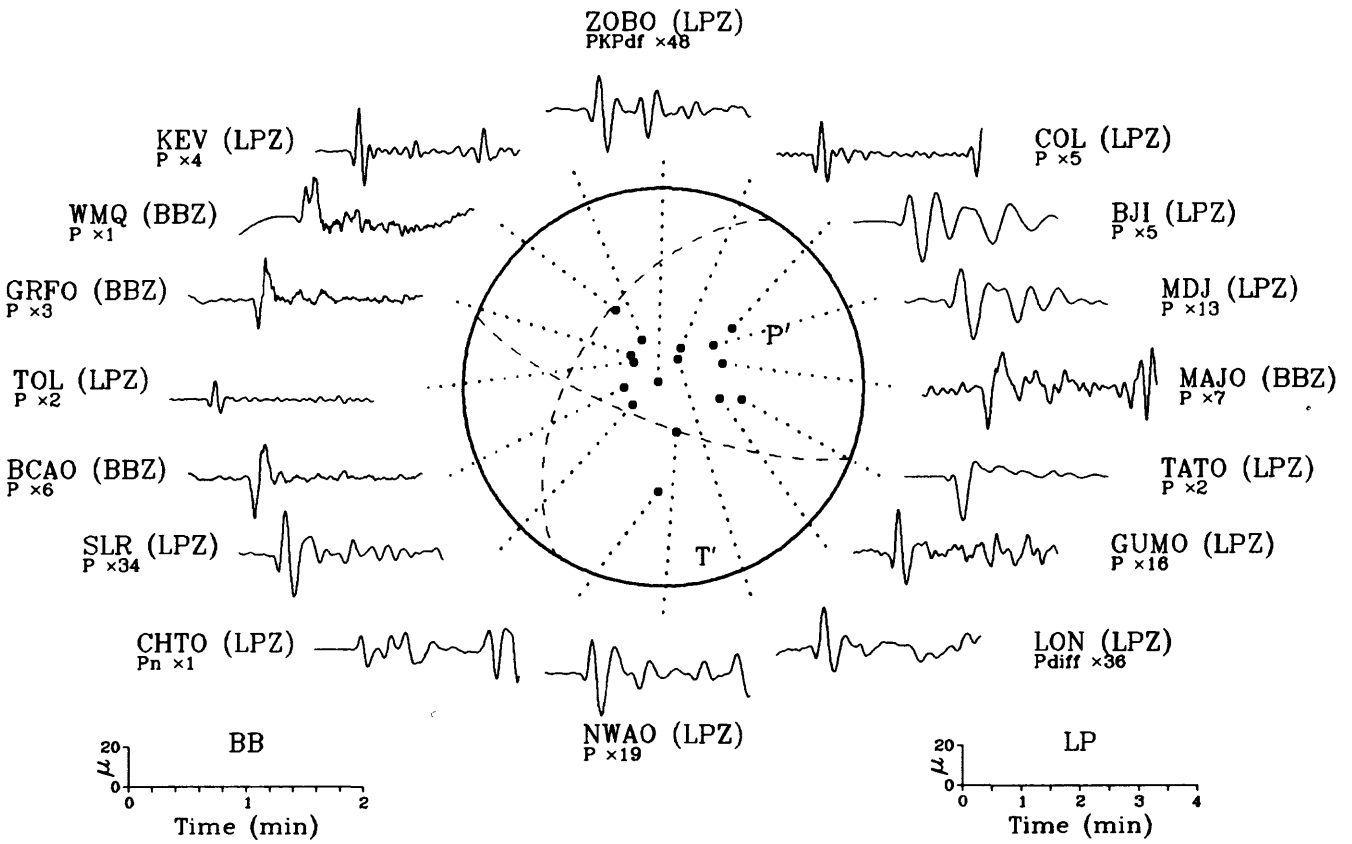
31 05 54 20.56 45.383S 167.086E 23km
5.8mb (29 obs.) 6.3Msz (29 obs.)
SOUTH ISLAND, NEW ZEALAND
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=105 Dip=84 Slip= 90
NP2: 285 6 90
Principal Axes:
T Plg=51 Azm= 15
P 39 195
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 4 Focal mech. C
Energy 0.1±0.0*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 12 No. of sta: 11
Principal Axes:
Scale 10**18 Nm
T Val= 4.14 Plg=49 Azm=343
N -1.02 27 108
P -3.12 28 214
Best Double Couple:Mo=3.6*10**18
NP1:Strike=351 Dip=29 Slip= 155
NP2: 102 78 63
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 47C M.W.: 9S, 21C
Centroid Location:
Origin Time 05:54:27.4 0.2
Lat 45.20S 0.02 Lon 166.59E 0.02
Dep 18.0 BDY Half-duration 6.7
Principal Axes:
Scale 10**18 Nm
T Val= 5.37 Plg=46 Azm= 25
N -0.08 31 154
P -5.30 28 262
Best Double Couple:Mo=5.3*10**18
NP1:Strike= 41 Dip=33 Slip= 161
NP2: 147 80 58

31 14 20 24.18 3.006S 142.078E 33km
5.2mb (14 obs.) 4.5Msz (7 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 14:20:28.2 0.5
Lat 3.14S 0.07 Lon 142.37E 0.08
Dep 28.1 6.0 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.01 Plg=72 Azm=192
N 1.73 12 321
P -8.74 14 53
Best Double Couple:Mo=7.9*10**16
NP1:Strike=159 Dip=33 Slip= 112
NP2: 314 60 76

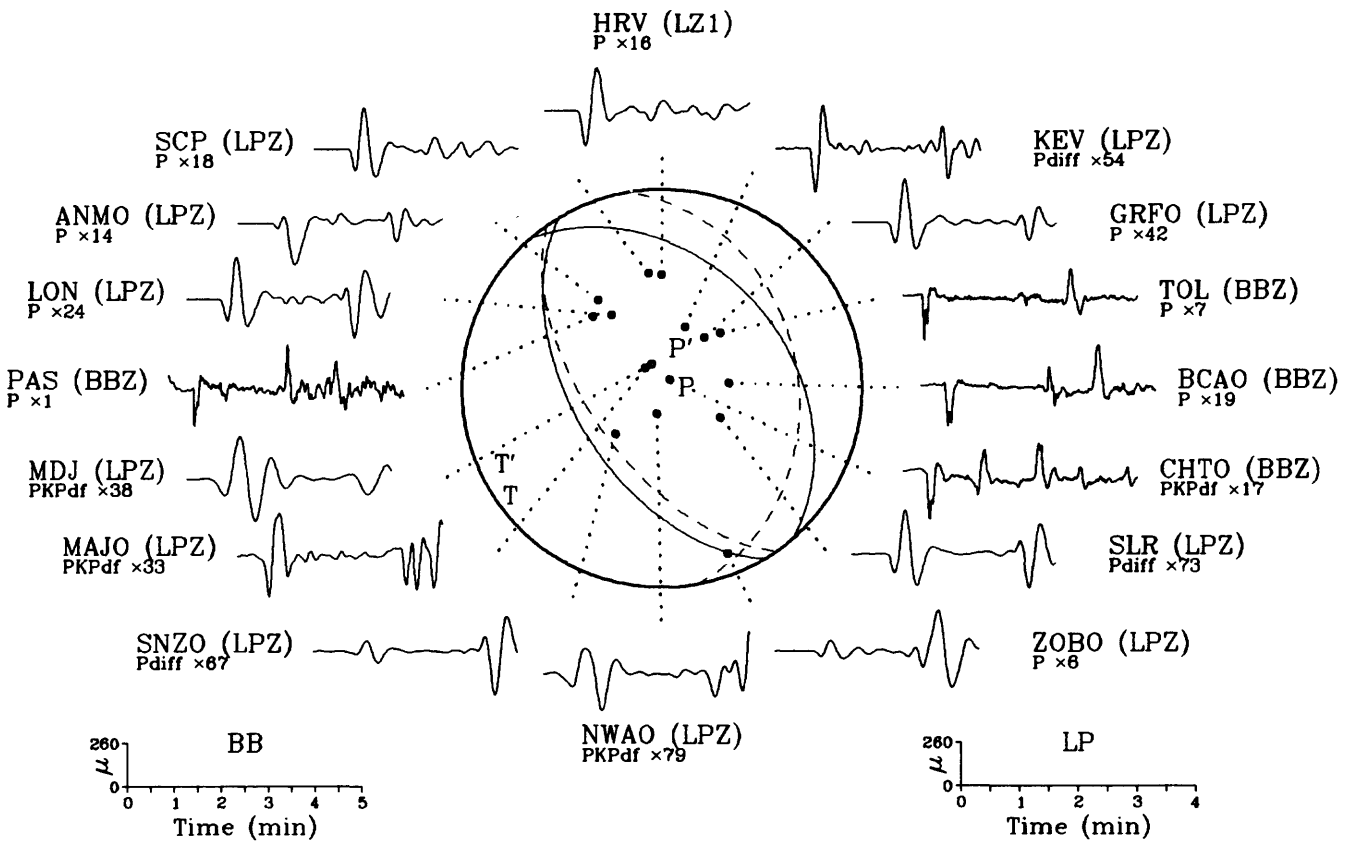
31 19 10 37.09 6.512S 147.817E 43km
5.2mb (21 obs.) 4.8Msz (6 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 19:10:39.0 1.0
Lat 7.00S 0.09 Lon 148.17E 0.10
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 11.39 Plg=38 Azm=310
N 0.40 31 192
P -11.79 36 76
Best Double Couple:Mo=1.2*10**17
NP1:Strike=104 Dip=31 Slip= 2
NP2: 13 89 121

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

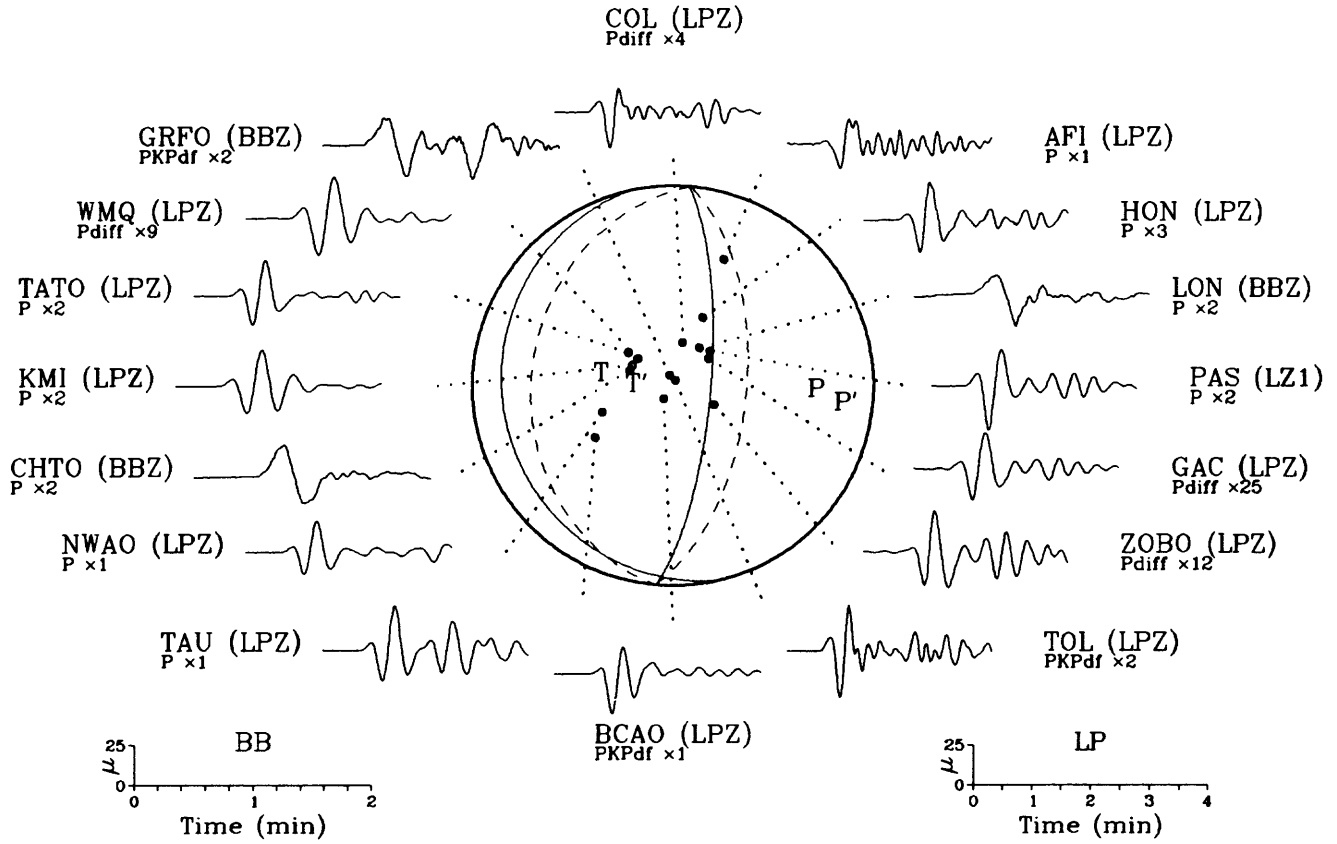
03 May 1989 05:53:01.17
Sichuan Province, China



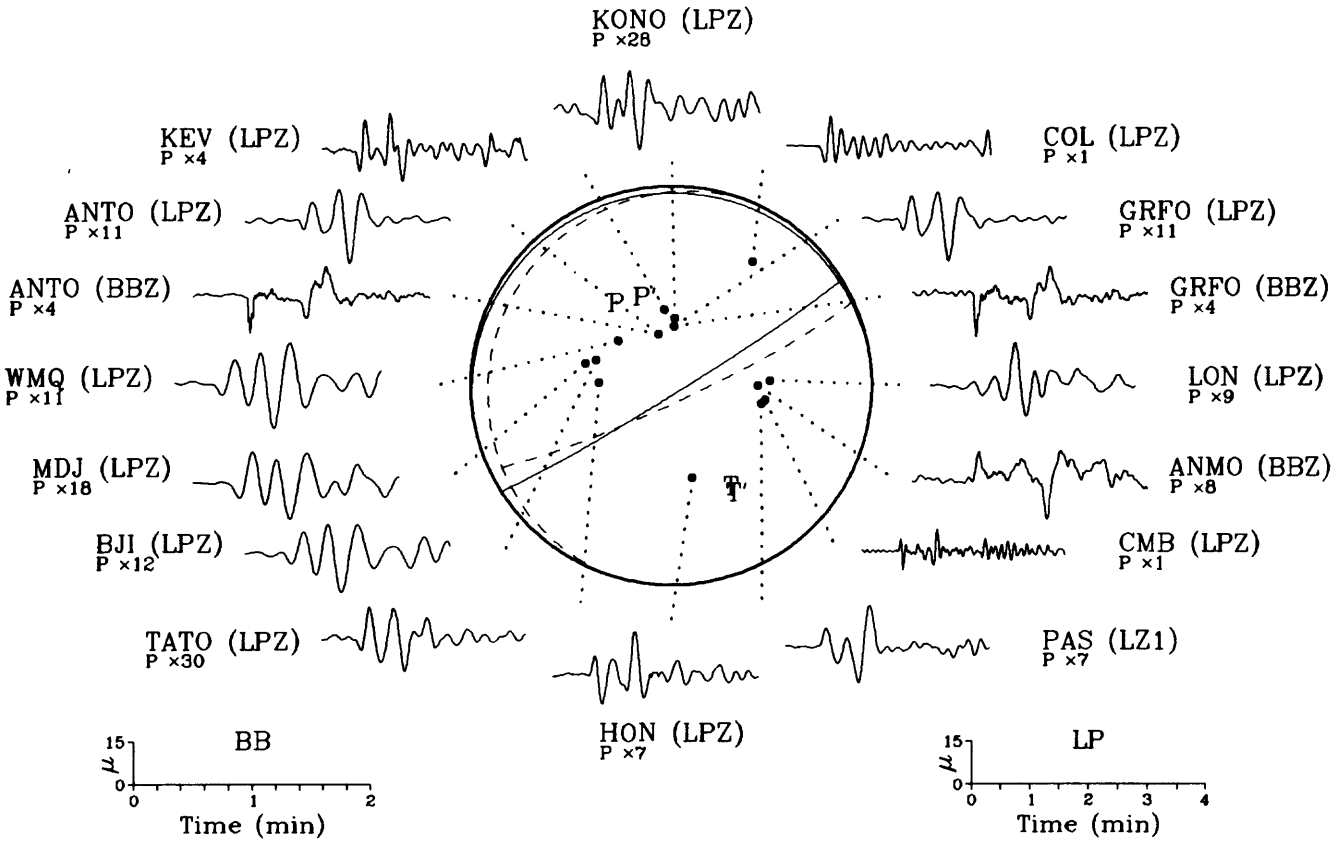
05 May 1989 18:28:39.45
Western Brazil



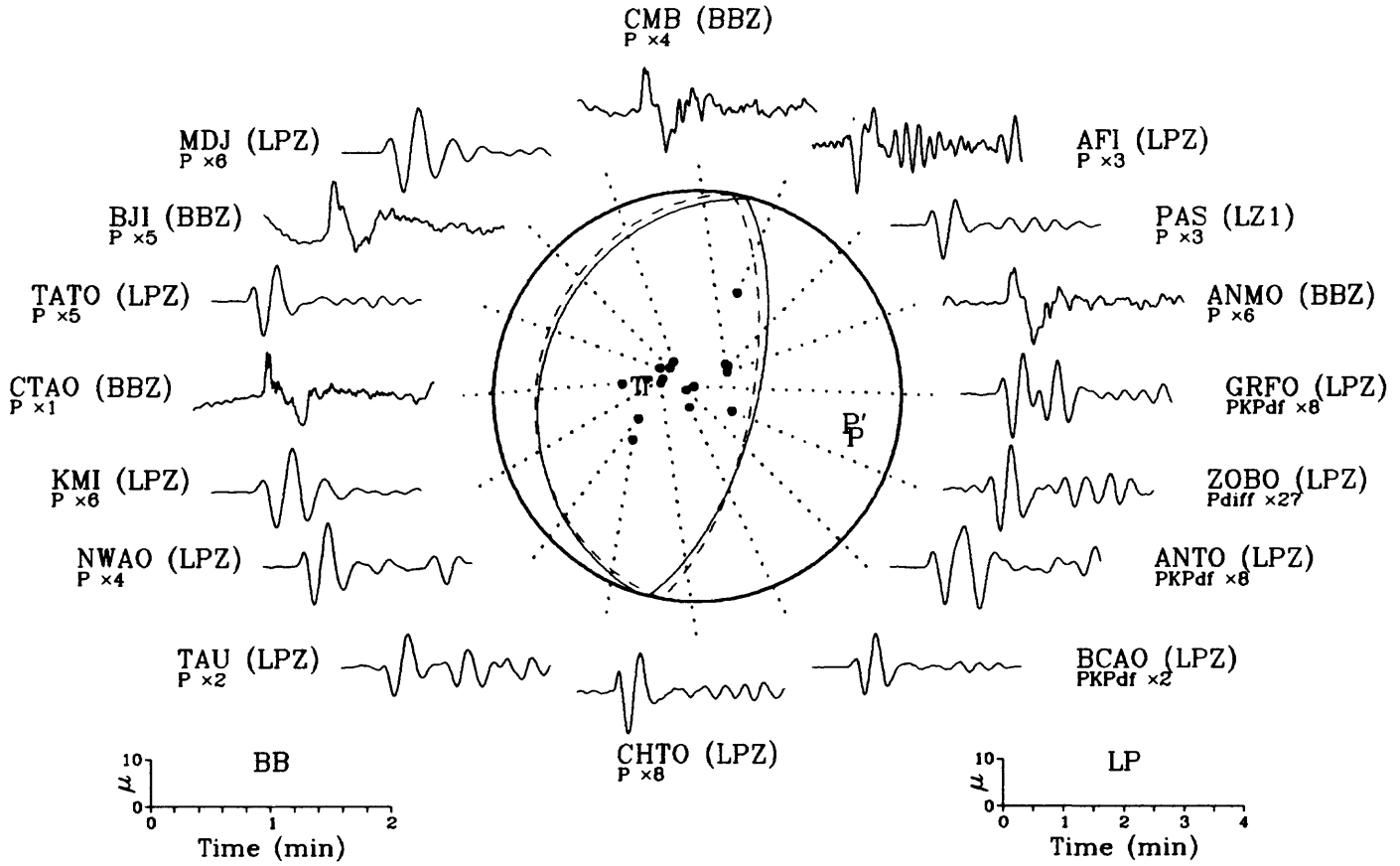
14 May 1989 00:59:50.45
Kermadec Islands



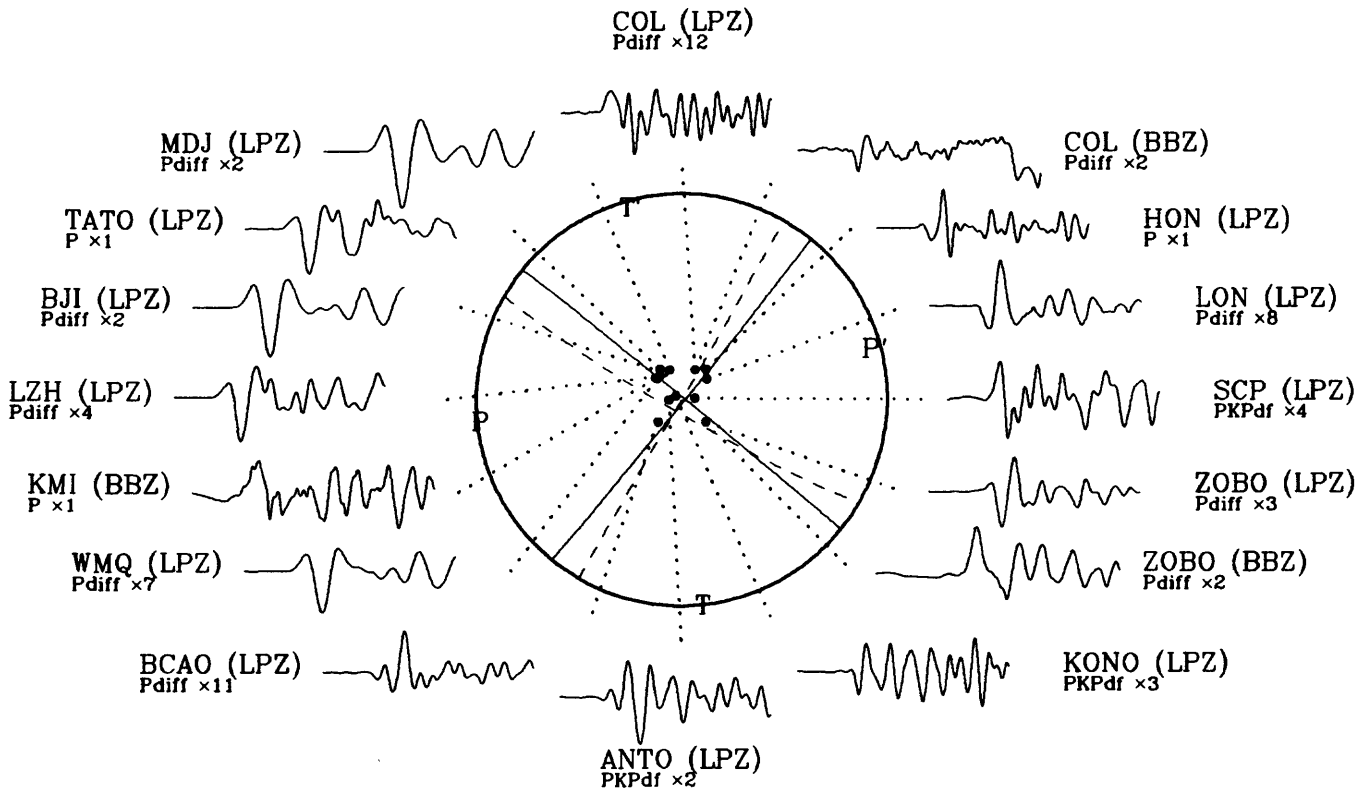
19 May 1989 02:21:56.38
Fox Islands, Aleutian Islands



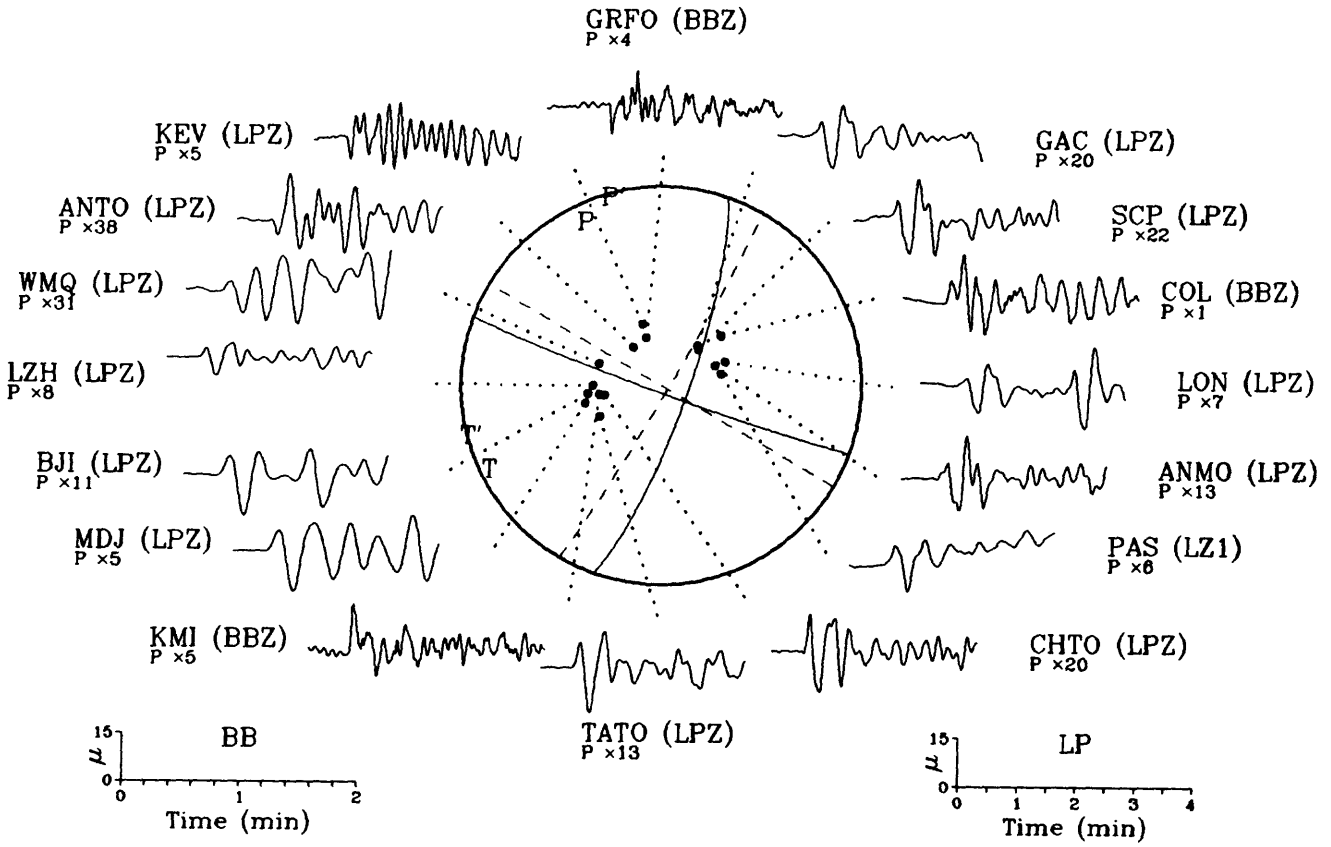
20 May 1989 16:01:43.61
Kermadec Islands



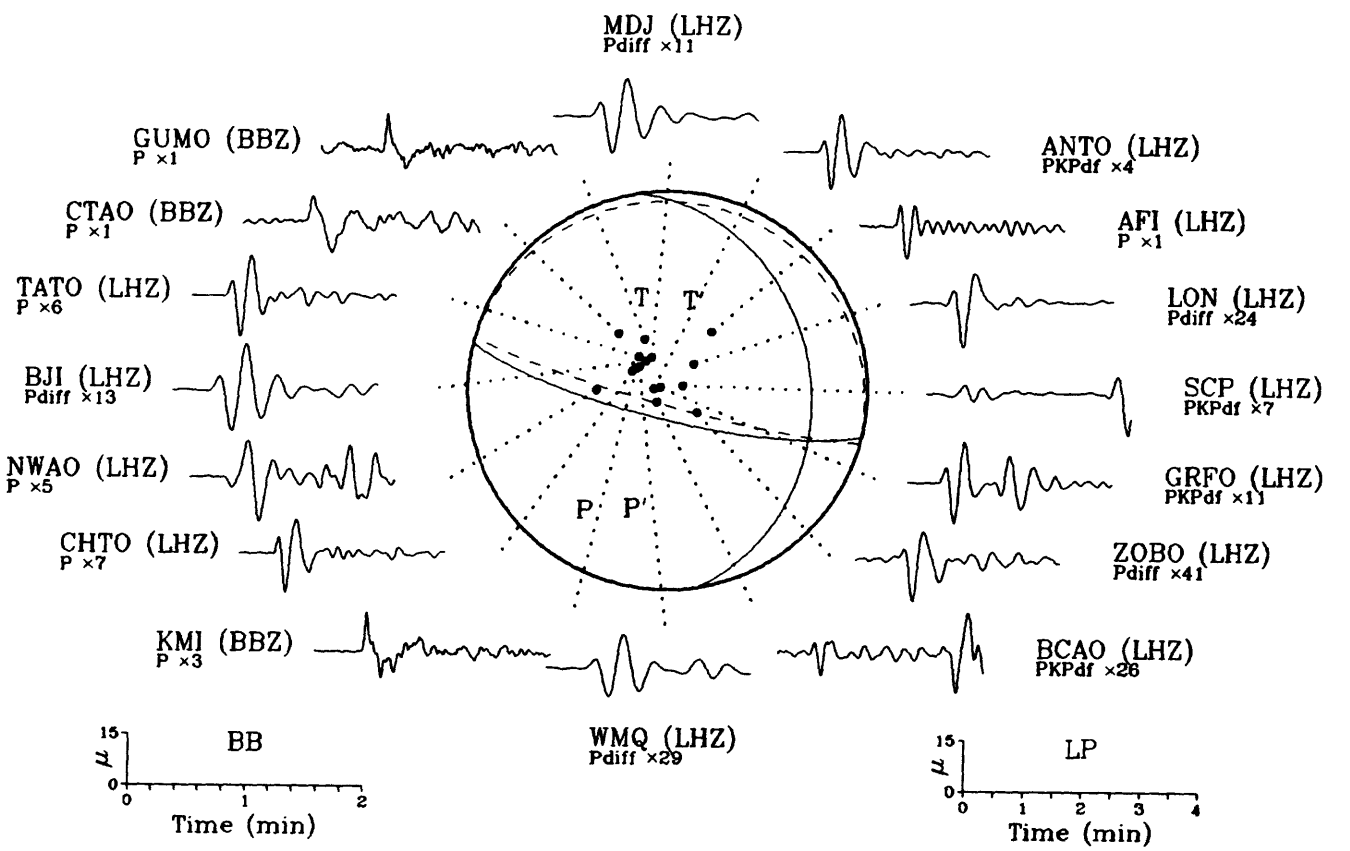
23 May 1989 10:54:46.32
Macquarie Islands Region



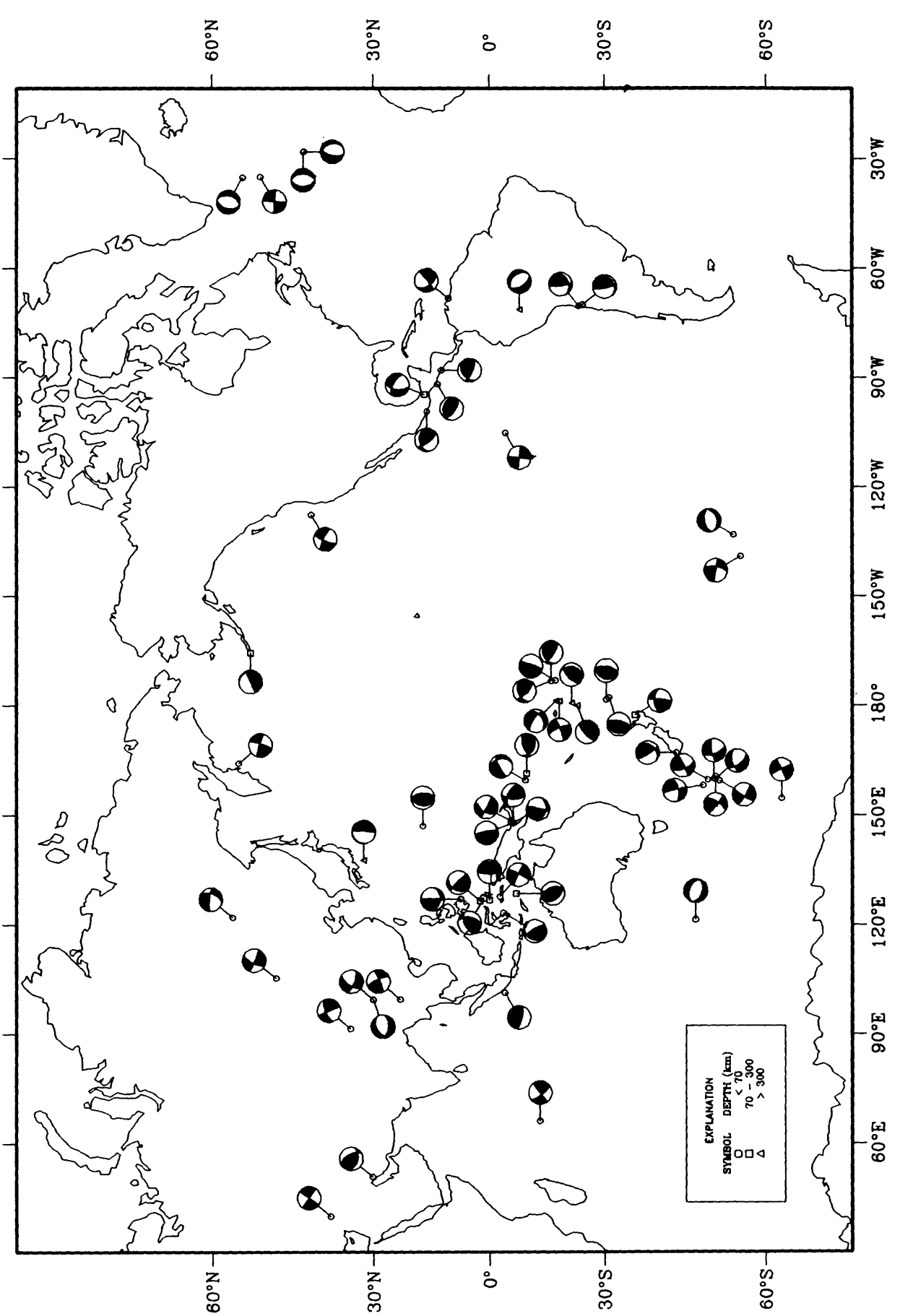
24 May 1989 13:31:14.48
Komandorsky Islands Region

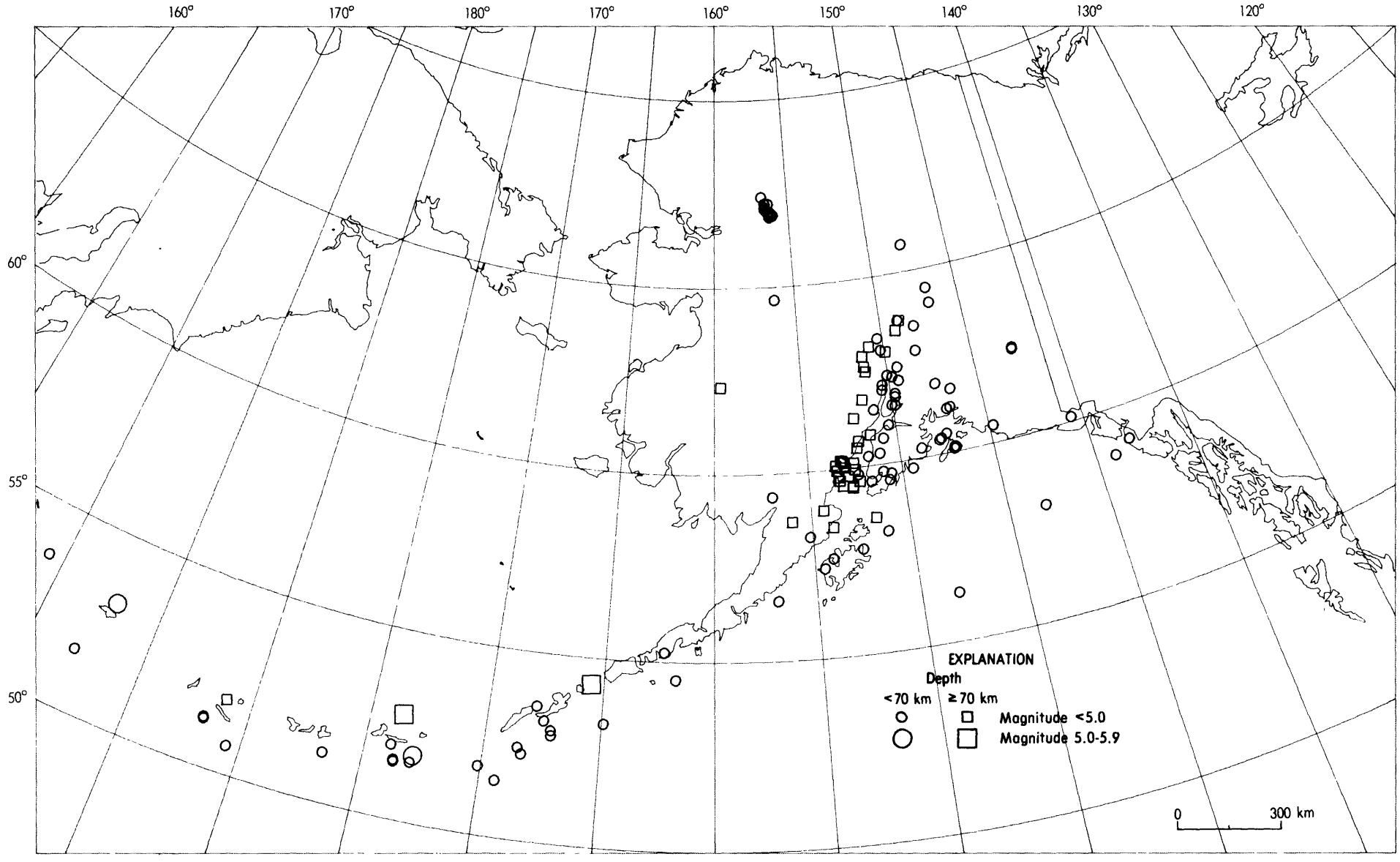


31 May 1989 05:54:20.56
South Island, New Zealand

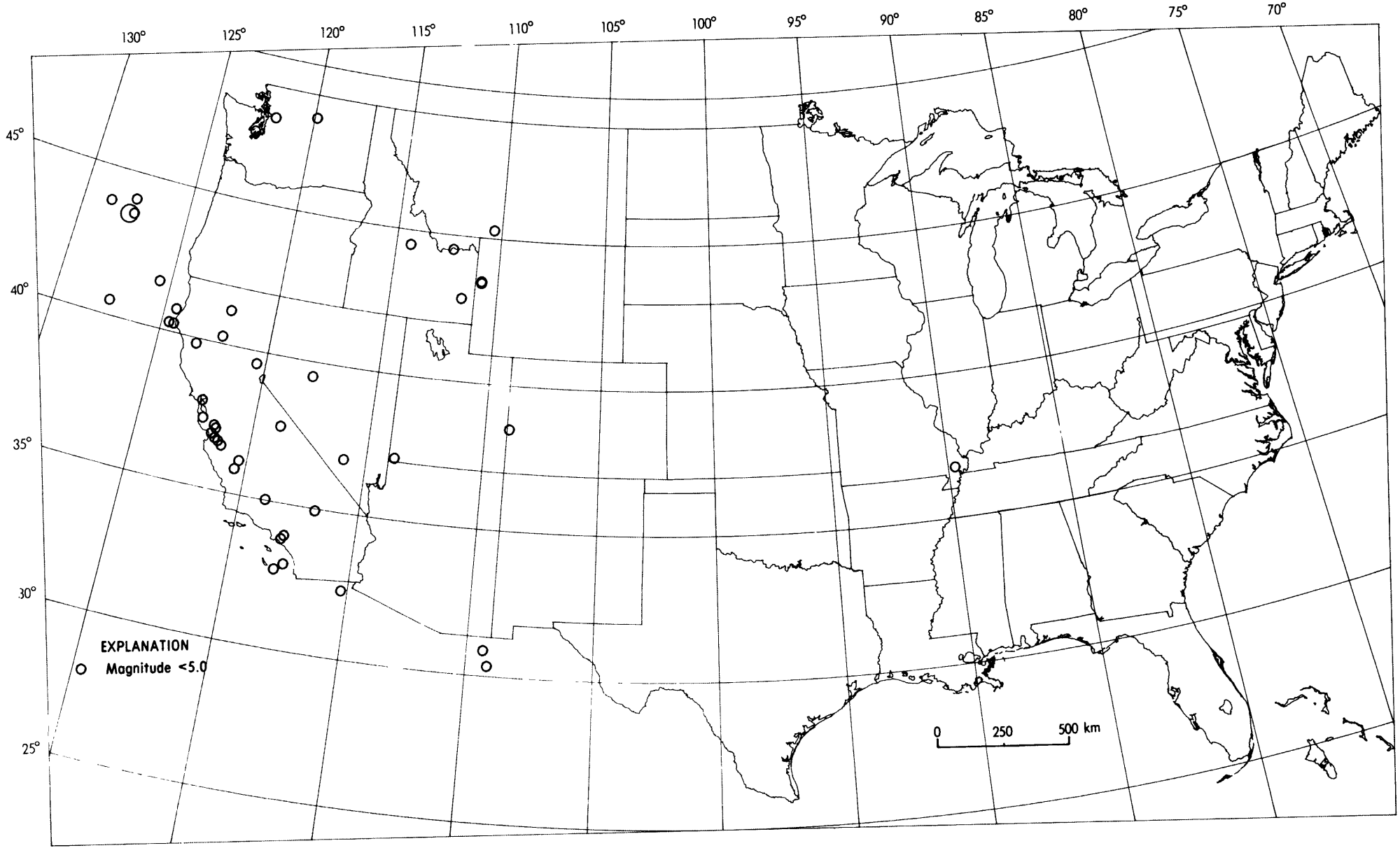


Earthquake Focal Mechansisms for May 1989

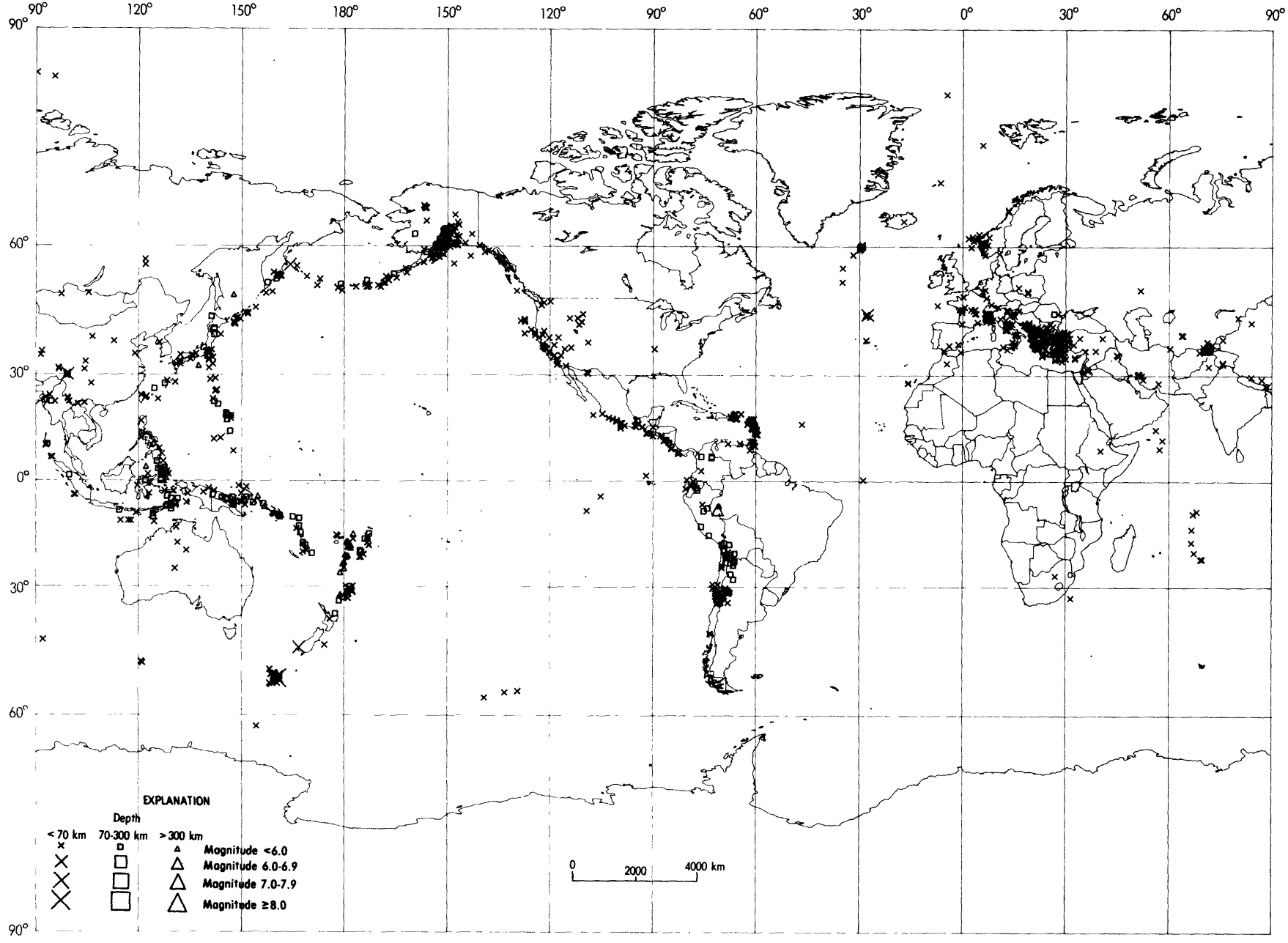




Earthquake epicenters in Alaska and adjacent regions for May, 1989 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for May, 1989 (C. Stover).



Earthquakes located in May, 1989 (C. Stover).

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PRELIMINARY DETERMINATION OF EPICENTERS

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National Earthquake Information Center

JUNE 1989

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	13	43.7%	40.133	N	29.325	E	10 G			0.7	6	TURKEY
	01	02	11	30.5%	39.616	N	27.846	E	10 G			0.8	5	TURKEY
	01	03	51	11.3&	63.143	N	150.847	W	124				20	CENTRAL ALASKA. <AGS-P>.
a	01	04	08	18.9	10.966	S	165.449	E	33 N	5.0	4.8	0.8	73	SANTA CRUZ ISLANDS
	01	04	39	41.4	37.013	N	141.703	E	65	4.9		0.9	98	NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Fukushima; (I JMA) at Onahama, Mito, Shirakawa, Sendai and Utsunomiya.
	01	05	14	19.8?	6.83	S	147.78	E	33 N			1.5	7	EAST PAPUA NEW GUINEA REGION
	01	06	14	11.9*	6.344	S	145.540	E	10 G			1.2	8	PAPUA NEW GUINEA
	01	06	18	03.9%	60.703	N	5.494	E	10 G			0.7	9	SOUTHERN NORWAY. ML 1.8 (BER).
	01	06	20	19.0	0.500	N	100.112	E	177	5.0		0.9	34	NORTHERN SUMATERA
	01	07	23	59.7%	40.818	N	27.589	E	10 G			1.1	9	TURKEY
a	01	07	25	06.4	52.004	S	159.679	E	10 G	5.2	4.8	1.1	51	MACQUARIE ISLANDS REGION
	01	07	35	07.9?	3.24	N	64.52	E	10 G	4.8		1.0	11	CARLSBERG RIDGE
	01	07	57	42.9*	10.518	N	62.216	W	10 G			1.1	11	NEAR COAST OF VENEZUELA. MD 3.6 (TRN).
	01	08	00	49.4*	52.115	N	176.157	W	154 *	4.4		1.0	13	ANDREANOF ISLANDS, ALEUTIAN IS.
	01	08	48	25.4	38.673	N	71.435	E	33 N	4.6		1.2	21	AFGHANISTAN-USSR BORDER REGION
	01	09	06	18.3	45.748	N	7.033	E	10 G			0.3	10	NORTHERN ITALY. ML 2.3 (GEN). MD 2.2 (ROM).
	01	09	25	57.0?	44.54	N	5.36	E	10 G			0.7	9	FRANCE. MD 2.2 (ROM).
	01	09	33	51.2&	34.010	N	117.170	W	12				19	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt (IV) at Redlands and Yucaipa. Felt (III) at Angelus Oaks, Crestline, Highland, Lakeview, Mentone, Moreno Valley, Rialto and San Bernardino.
	01	09	49	10.4	44.595	N	7.383	E	10 G			0.6	9	NORTHERN ITALY. MD 1.9 (ROM).
	01	11	29	57.4%	60.642	N	5.914	E	10 G			0.6	5	SOUTHERN NORWAY. MD 1.5 (BER).
	01	12	18	50.3?	36.79	S	95.83	W	10 G	4.9		1.0	18	WEST CHILE RISE
	01	12	25	49.1*	43.892	N	15.685	E	10 G			0.9	6	ADRIATIC SEA
	01	12	37	47.2	35.637	N	27.733	E	10 G			0.8	9	DODECANESE ISLANDS
	01	13	02	59.1*	42.480	N	24.048	E	10 G			1.4	7	BULGARIA
	01	13	16	34.2?	12.44	N	87.95	W	123 ?	4.5		1.0	18	NEAR COAST OF NICARAGUA
	01	13	24	58.7	2.201	S	123.046	E	30 D	5.1	4.3	1.3	61	SULAWESI
	01	13	41	33.3?	20.84	S	178.98	W	625 ?	4.4		0.5	10	FIJI ISLANDS REGION
	01	14	23	22.3&	34.260	N	117.270	W	4				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt (IV) at Crestline and (III) at Highland and Redlands.
	01	15	37	45.0?	6.45	S	148.05	E	33 N			1.1	7	NEW BRITAIN REGION
	01	16	13	41.7%	61.816	N	7.459	E	10 G			0.9	8	SOUTHERN NORWAY. ML 2.3 (BER).
	01	16	43	07.1*	31 905	S	71.732	W	69 *	4.5		1.3	17	NEAR COAST OF CENTRAL CHILE. Felt (III) in the Valparaiso area.
	01	17	19	12.2	30.106	N	50 821	E	34 *	4.1		1.4	26	IRAN
	01	17	27	39.1?	37.85	N	15.27	E	10 G			0.4	5	SICILY. MD 2.7 (ROM).
	01	17	33	14.9*	37.696	N	15.031	E	10 G			0.5	5	SICILY. MD 2.6 (ROM).
	01	18	03	42.7	31.576	N	109.048	E	31 *	4.6		1.3	31	SICHUAN PROVINCE, CHINA
	01	18	07	37.5%	59.069	N	5.887	E	13			0.5	8	SOUTHERN NORWAY. MD 1.9 (BER).
	01	18	36	56.4&	19.345	N	155.043	W	10				45	HAWAII. <HVO-P>. MD 4.0 (HVO). Felt at Hilo and in the Puna and Volcano areas.
	01	19	27	18.5&	59.896	N	152.525	W	96				36	SOUTHERN ALASKA. <AGS-P>.
	01	20	07	34.3&	60.503	N	151.913	W	77				17	KENAI PENINSULA, ALASKA. <AGS-P>.
	01	20	39	54.2*	36.585	N	140.474	E	33 N			1.5	8	NEAR EAST COAST OF HONSHU, JAPAN. MG 3.1 (JMA). Felt (I JMA) at Mito.
	01	20	53	22.9%	43.458	N	5.468	E	10 G			0.5	7	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	01	20	56	00.2	23.887	S	70.267	W	44	5.2		1.1	96	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Antofagasta; (II) at Taltal and Mejillones.
	01	21	14	09.9	9.604	N	74.270	W	34 ?	4.7		1.2	26	NORTHERN COLOMBIA
	01	21	57	06.4	14.195	N	61.095	W	31 *			0.5	11	WINDWARD ISLANDS. ML 2.7 (FDF). MD 3.3 (TRN).
	01	22	29	05.4	4 443	S	138.379	E	151 *	4.8		0.4	13	WEST IRIAN
	02	00	00	38.3*	5.359	S	153 081	E	52 *	4.5		1.2	15	NEW IRELAND REGION
	02	00	06	29.9&	60.857	N	151.624	W	72				13	KENAI PENINSULA, ALASKA. <AGS-P>.
	02	01	46	16.5	46.470	N	12.995	E	10 G			1.5	12	NORTHERN ITALY. MD 3.0 (LJU), 2.7 (ROM), 2.4 (TRI).

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	02	02 00 00.5%	41.664	N	14.047	E	10	G			1.1	5	SOUTHERN ITALY. MD 3.0 (ROM).
	02	03 18 35.1	24.013	N	122.363	E	39		4.9	4.0	1.0	39	TAIWAN REGION
	02	03 20 11.2%	38.440	N	26.485	E	10	G			1.1	5	AEGEAN SEA
	02	04 07 42.6	36.315	N	139.182	E	112		3.7		0.7	10	HONSHU, JAPAN
	02	04 21 28.1	43.111	N	13.435	E	10	G			0.3	5	CENTRAL ITALY. MD 2.2 (SSO).
	02	04 41 57.5*	30 046	N	50.510	E	33	N	4.1		1.2	8	IRAN
	02	05 04 34.0&	32.934	N	80.166	W	6					18	SOUTH CAROLINA. <GLD>. MD 2.0 (GLD). Felt (IV) at Summerville.
	02	05 07 30.5&	61.088	N	149.902	W	30					20	SOUTHERN ALASKA. <AGS-P>.
	02	05 38 50.7*	17.840	N	146.969	E	56	*	4.8		0.7	20	MARIANA ISLANDS
	02	05 40 06.4*	40.440	N	21.208	E	10	G			0.9	6	GREECE. ML 2.7 (SKO). MD 3.2 (ATH).
	02	06 03 43.6	11.432	S	118.226	E	33	N	4.8		1.2	18	SOUTH OF SUMBAWA ISLAND
	02	06 27 37.2&	61.464	N	146.727	W	31					38	SOUTHERN ALASKA. <AGS-P>. ML 4.1 (PMR). Felt (IV) at Valdez and (III) at Anchoroge and Palmer.
	02	06 32 39.8*	13.288	N	123.021	E	33	N	4.2	4.4	1.4	16	LUZON, PHILIPPINE ISLANDS
	02	08 03 19.9%	39.275	N	28.293	E	10	G			0.6	10	TURKEY
	02	08 24 29.9%	39.168	N	27.603	E	10	G			1.5	5	TURKEY
	02	10 00 54.9*	40.054	N	21.917	E	10	G			1.2	6	GREECE. MD 3.8 (ATH).
	02	10 12 39.3%	60.310	N	5.420	E	10	G			1.3	9	SOUTHERN NORWAY. ML 1.5 (BER).
	02	10 50 39.4?	7.58	S	152.19	E	33	N			1.0	6	NEW BRITAIN REGION
	02	10 53 36.9*	10.974	S	160.948	E	33	N	4.2		0.7	6	SOLOMON ISLANDS
a	02	11 02 19.8	19.068	S	168.833	E	100		5.3		0.9	176	VANUATU ISLANDS
	02	11 17 58.2?	7.31	S	129.36	E	150	?	4.6		1.3	13	BANDA SEA
	02	11 55 56.9?	13.71	S	76.73	W	33	N			1.1	5	NEAR COAST OF PERU
	02	12 49 19.1?	42.72	N	19.14	E	10	G			0.2	4	YUGOSLAVIA. ML 2.0 (TTG).
	02	13 26 09.6?	38.89	N	23.73	E	10	G			0.4	6	GREECE
	02	13 28 38.6?	3.63	S	102.01	E	96	?			0.3	7	SOUTHERN SUMATERA
	02	14 02 17.3	11.800	N	73.147	W	60	*	4.5	3.9	0.9	21	NEAR NORTH COAST OF COLOMBIA
	02	15 06 57.1*	33.278	N	48.101	E	33	N	4.1		1.0	5	WESTERN IRAN
	02	15 38 02.0	44.420	N	7.399	E	10	G			0.3	12	NORTHERN ITALY. ML 2.2 (GEN).
	02	15 57 22.7*	55.145	N	160.592	W	58		4.8		1.0	39	ALASKA PENINSULA. Felt (IV) at Sand Point.
	02	18 32 06.0*	2.760	N	127.125	E	33	N	4.5		1.2	7	MOLUCCA PASSAGE
	02	18 47 34.0	13.503	N	123.018	E	47	*	4.7	4.6	1.3	62	LUZON, PHILIPPINE ISLANDS
	02	19 37 07.2?	6.68	S	147.81	E	48	*	4.3	3.6	1.5	8	EAST PAPUA NEW GUINEA REGION
	02	19 57 13.3&	61.800	N	150.755	W	66					26	SOUTHERN ALASKA. <AGS-P>.
	02	20 44 19.7&	61.457	N	150.048	W	39					16	SOUTHERN ALASKA. <AGS-P>.
	02	20 56 10.2?	0.29	N	100.18	E	172	*	4.9		1.5	9	NORTHERN SUMATERA
a	02	21 01 18.2	4.669	S	153.014	E	72		5.4		0.9	78	NEW IRELAND REGION
	02	21 37 59.0*	37.249	N	142.030	E	26		4.7		1.3	22	OFF EAST COAST OF HONSHU, JAPAN
	02	21 55 44.9	9.923	S	74.562	W	40	*	5.2		1.0	80	PERU
	03	00 01 20.9	42.073	N	143.499	E	55		4.8		1.0	54	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Tomakomai; (I JMA) at Hiroo and Urakawa.
	03	00 20 18.4	44.263	N	6.771	E	11		3.2		0.8	42	FRANCE. ML 2.9 (GEN), 2.8 (LDG). MD 3.0 (ROM), 2.6 (STR).
	03	00 23 41.4	31.740	N	50.823	E	36		4.8	3.9	1.2	105	IRAN. Felt in the Farsan area.
	03	00 50 29.4*	9.979	N	60.344	W	88	?			0.4	15	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
	03	02 33 53.8?	43.08	N	2.44	E	10	G			0.7	5	FRANCE. ML 3.0 (LDG).
	03	02 51 12.5	44.704	N	9.915	E	10	G			0.7	10	NORTHERN ITALY. MD 2.8 (ROM).
a	03	02 56 52.6	6.826	S	156.216	E	171		5.4		0.9	184	SOLOMON ISLANDS
	03	05 10 54.6	6.338	S	130.329	E	154	*	4.9		0.9	28	BANDA SEA
	03	05 37 53.6*	41.918	N	16.100	E	10	G			0.5	7	SOUTHERN ITALY. MD 2.8 (ROM).
	03	08 03 51.2*	37.703	N	21.041	E	10	G			0.5	5	SOUTHERN GREECE. MD 3.4 (ATH).
	03	12 37 17.2&	40.463	N	126.102	W	5	G				15	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK).
	03	12 45 37.3	42.798	N	19.064	E	10	G			0.7	10	YUGOSLAVIA. ML 2.4 (TTG).
	03	13 24 47.7*	0.122	N	121.954	E	209	?	4.7		0.5	11	MINAHASSA PENINSULA
	03	14 13 41.2*	7.097	S	129.442	E	179	*	4.9		1.5	22	BANDA SEA
	03	15 47 05.2&	59.898	N	150.794	W	26					26	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.2 (PMR). Felt (II) at Homer.
	03	16 05 14.2*	16.442	N	61.146	W	33	N			0.5	6	LEEWARD ISLANDS. ML 2.6 (FDF).
	03	16 33 51.0	6.596	S	147.767	E	42	*	4.2	4.5	1.3	26	EAST PAPUA NEW GUINEA REGION. ML 4.9 (PMG).
	03	16 37 37.8	41.904	N	23.186	E	10	G			1.0	17	GREECE-BULGARIA BORDER REGION. ML 3.3 (SKO).
	03	17 23 09.5	6.693	S	147.818	E	51	*	4.5	3.8	0.9	17	EAST PAPUA NEW GUINEA REGION
	03	17 29 58.4	21.835	S	138.996	W	0	G	5.3		0.8	70	TUAMOTU ARCHIPELAGO REGION
	03	17 38 28.5	39.405	N	20.449	E	10	G	3.9		1.2	31	GREECE-ALBANIA BORDER REGION. ML 4.0 (ATH).
	03	18 22 18.1	45.910	N	6.794	E	10	G			1.4	18	FRANCE. ML 2.7 (LDG).
	03	19 32 10.1?	36.04	N	7.64	W	10	G			1.1	6	STRAIT OF GIBRALTAR
	03	19 49 56.5*	41.826	N	23.184	E	10	G			0.5	7	GREECE-BULGARIA BORDER REGION. ML 2.5 (SKO).
	03	20 37 22.1?	32.45	S	72.03	W	10	G			0.6	8	OFF COAST OF CENTRAL CHILE
	03	21 52 01.7	45 265	N	6.645	E	12				1.2	24	FRANCE. ML 2.9 (LDG). MD 2.9 (ROM).
	03	22 19 15 9?	6 38	S	148.08	E	33	N	4.1		1.5	9	NEW BRITAIN REGION
	03	22 25 08.4&	59 708	N	153.314	W	108					10	SOUTHERN ALASKA. <AGS-P>.
	03	22 45 34.6*	30.768	S	72.504	W	61	?			0.9	15	OFF COAST OF CENTRAL CHILE
	03	22 46 51.4*	35.087	N	28.264	E	33	N			0.3	9	EASTERN MEDITERRANEAN SEA
	03	23 13 10.4	33.350	N	136.868	E	388		4.8		1.0	149	NEAR S. COAST OF SOUTHERN HONSHU. Felt (I JMA) at Utsunomiya.
	04	00 40 15.3*	46.838	N	14.747	E	10	G			0.7	5	YUGOSLAVIA. MD 2.4 (LJU). ML 2.1 (KBA).
	04	01 21 52.9	29.992	N	99.370	E	10	G	4.7		1.3	32	SICHUAN PROVINCE, CHINA
	04	02 06 07.9	23.184	N	121.609	E	40		4.5	4.1	1.2	46	TAIWAN
	04	02 20 36.9%	37.888	N	29.328	E	10	G			1.1	6	TURKEY
	04	02 46 34.5*	4.729	S	133.971	E	33	N	4.4		1.3	13	WEST IRIAN REGION
	04	02 49 55.1*	4.663	S	134.023	E	33	N	4.4		1.3	6	WEST IRIAN REGION
	04	02 59 18.1*	13.355	N	123.133	E	33	N	4.5	4.0	1.2	20	LUZON, PHILIPPINE ISLANDS
	04	04 07 06.7	15.619	N	95.392	W	33	N	4.8	3.5	1.0	51	NEAR COAST OF OAXACA, MEXICO
	04	04 49 03.5	37.784	N	29.256	E	10	G	3.7		1.0	25	TURKEY. MD 4.1 (ATH). Felt at Denizli.
	04	05 24 19.6	37.447	N	21.124	E	10	G	3.6		1.0	31	SOUTHERN GREECE. ML 3.5 (ATH).
	04	05 43 07.5*	38.294	N	26.619	E	10	G			0.6	6	AEGEAN SEA
	04	07 07 39.6?	51.91	S	160.87	E	10	G			1.2	7	NORTH OF MACQUARIE ISLAND
	04	08 47 55.3?	3.35	S	130.42	E	33	N			1.2	6	CERAM
	04	09 48 33.7?	12.87	N	144.69	E	56	*			0.2	7	SOUTH OF MARIANA ISLANDS
	04	09 58 16.9*	16.516	S	173.638	W	58	*	4.5		1.0	28	TONGA ISLANDS
	04	10 28 18.0*	23.804	N	121.834	E	10	G			0.3	6	TAIWAN
	04	10 39 08.0*	38 759	N	45.315	E	33	N	3.6		1.1	8	N.W. IRAN-USSR BORDER REGION
	04	12 02 35.9*	11.698	N	43.968	E	10	G	4.9		1.4	31	ETHIOPIA. ML 4.4 (ARO).

04	13	33	32.7?	16.55	S	174.17	W	76 ?	4.3		1.3	12	TONGA ISLANDS
04	15	00	26.6*	43.765	N	17.492	E	10 G			1.0	16	YUGOSLAVIA. ML 3.2 (ZAG), 2.5 (LJU). MD 3.1 (TRI). Felt in the Knin area.
04	15	07	46.3	23.443	N	99.325	E	10 G	5.0		1.2	16	BURMA-CHINA BORDER REGION. ML 4.6 (BJI).
04	16	35	59.4*	7.074	S	129.813	E	131 *	5.0		1.2	25	BANDA SEA
04	18	34	36.4?	36.79	N	98.52	E	10 G			1.6	5	QINGHAI PROVINCE, CHINA
04	19	13	11.4	39.674	N	20.013	E	21	4.1		1.4	71	GREECE-ALBANIA BORDER REGION. ML 4.4 (ATH), 4.0 (TTG).
04	19	25	45.8	37.089	N	29.014	E	10 G			0.9	9	TURKEY
04	19	39	19.1?	18.90	S	173.43	W	33 N	4.7		1.1	10	TONGA ISLANDS
04	20	29	45.8*	52.738	S	160.713	E	10 G	5.2	4.6	1.0	10	MACQUARIE ISLANDS REGION
04	21	33	59.7&	34.600	N	116.840	W	2	4.2			43	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.5 (PAS), 4.2 (BRK). Felt (V) at Apple Valley; (IV) at Burbank; (III) at Barstow, Cathedral City, Daggett, Fawnskin, Hesperia, Lucerne Valley, Mentone, Newberry Springs, Palm Desert, Pasadena, Rialto and Wilmington.
04	21	36	15.7	30.087	N	50.717	E	26 *	4.3		1.2	22	IRAN
04	22	43	28.5	27.586	N	140.882	E	38 *	4.7	4.4	1.2	50	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima.
05	00	24	27.6	30.226	N	51.012	E	37 *	4.0		1.0	13	IRAN
05	01	31	57.6	30.112	N	99.225	E	10 G	4.5		1.1	13	SICHUAN PROVINCE, CHINA
05	02	53	43.5	40.874	N	22.989	E	10 G			0.6	21	GREECE. ML 2.7 (SKO). MD 3.2 (ATH).
05	03	43	55.1?	37.86	N	29.57	E	10 G			1.8	5	TURKEY
05	04	49	27.2*	43.144	N	13.941	E	10 G			0.7	8	CENTRAL ITALY. MD 2.8 (SSO), 2.7 (ROM).
05	07	00	03.7*	44.899	N	14.747	E	10 G			0.6	7	ADRIATIC SEA. MD 2.5 (TRI), 2.5 (LJU).
05	07	13	46.0&	61.676	N	150.826	W	67				20	SOUTHERN ALASKA. <AGS-P>.
05	07	32	09.0*	46.284	N	13.335	E	10 G			1.5	5	AUSTRIA. MD 2.9 (LJU), 2.6 (ROM), 2.3 (TRI).
05	08	56	30.2%	39.254	N	27.720	E	10 G			0.7	5	TURKEY
05	10	09	20.3*	37.253	N	4.535	W	10 G			1.5	6	SPAIN
05	10	28	40.3%	60.635	N	6.225	E	10 G			0.6	8	SOUTHERN NORWAY. MD 1.8 (BER).
05	11	12	43.0*	18.665	N	142.692	E	33 N			0.7	7	MARIANA ISLANDS REGION
05	13	37	32.1?	17.69	N	61.99	W	33 N			0.9	5	LEEWARD ISLANDS. ML 2.9 (FDF).
05	13	55	32.6?	13.97	N	121.01	E	33 N	4.6		1.0	13	MINDORO, PHILIPPINE ISLANDS
05	15	56	19.0	43.415	N	5.433	E	10 G			1.2	8	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
05	15	59	24.5?	16.14	N	99.70	W	33 N			1.3	5	NEAR COAST OF GUERRERO, MEXICO
05	16	23	40.4	12.002	S	14.563	E	10 G	5.1	4.2	1.5	75	ANGOLA
05	17	50	13.0*	35.228	N	22.249	E	33 N			1.3	12	MEDITERRANEAN SEA. MD 4.2 (ATH).
05	17	54	36.5*	84.823	N	5.990	E	10 G	4.1		1.2	11	NORTH OF SVALBARD
05	19	09	11.0*	16.981	N	62.319	W	33 N			0.5	5	LEEWARD ISLANDS. MD 2.6 (TRN).
05	20	00	42.3	5.943	S	105.443	E	104 ?	4.8		1.3	39	SUNDA STRAIT
05	20	12	44.3?	16.54	N	99.59	W	10 G			1.1	8	NEAR COAST OF GUERRERO, MEXICO
05	20	38	48.1	39.628	N	27.802	E	10 G			1.3	16	TURKEY. MD 3.2 (ATH). Felt at Bandirma.
05	20	39	15.0?	9.84	S	161.76	E	118 ?	4.1		0.7	6	SOLOMON ISLANDS
05	21	50	11.7	37.765	N	29.242	E	10 G			1.3	8	TURKEY
05	21	56	26.2	46.008	N	6.609	E	10 G			1.0	19	SWITZERLAND. ML 2.8 (LDG).
05	22	21	17.3	60.103	N	29.525	W	10 G	4.4		0.7	40	NORTH ATLANTIC OCEAN
05	22	40	55.5?	44.98	N	6.27	E	10 G			1.1	6	FRANCE. ML 2.6 (LDG).
05	22	42	54.2&	60.523	N	150.589	W	35				16	KENAI PENINSULA, ALASKA. <AGS-P>.
05	23	33	29.9&	62.575	N	149.075	W	49				21	CENTRAL ALASKA. <AGS-P>. ML 3.4 (PMR).
05	23	54	26.6	37.773	N	29.236	E	10 G			1.1	9	TURKEY
06	00	55	07.1?	16.10	N	99.91	W	10 G			1.5	8	NEAR COAST OF GUERRERO, MEXICO
06	01	17	44.3*	17.502	N	145.893	E	171 *	4.8		0.6	14	MARIANA ISLANDS
06	02	41	17.7	17.517	S	178.934	W	557 *	5.1		0.9	40	FIJI ISLANDS REGION
06	02	51	45.4*	4.221	N	82.046	W	10 G	4.7	3.7	1.1	18	SOUTH OF PANAMA
06	03	45	03.9?	40.35	N	126.79	W	10 G			1.1	12	OFF COAST OF NORTHERN CALIFORNIA. ML 3.4 (BRK).
06	07	20	22.1&	51.111	N	124.543	W	20 G				21	BRITISH COLUMBIA. <PGC-P>. ML 3.6 (PGC).
06	07	24	56.6	18.457	N	146.302	E	58 D	5.4		1.0	168	MARIANA ISLANDS
06	07	33	25.4?	18.51	N	144.39	E	114 ?			1.1	8	MARIANA ISLANDS
06	07	56	50.7?	61.88	N	4.30	E	10 G			0.9	7	SOUTHERN NORWAY. MD 2.1 (BER).
06	08	22	47.6*	29.933	N	138.708	E	453 ?	4.6		0.4	16	SOUTH OF HONSHU, JAPAN
06	08	28	31.8%	33.740	S	71.224	W	33 N			0.5	9	NEAR COAST OF CENTRAL CHILE
06	09	00	29.4	37.764	N	26.712	E	10 G			1.2	21	DODECANESE ISLANDS
06	09	11	34.1	43.711	N	18.737	E	10 G			1.3	15	YUGOSLAVIA
06	09	53	10.0&	59.887	N	153.370	W	126				11	SOUTHERN ALASKA. <AGS-P>.
06	10	41	43.8%	60.842	N	6.417	E	10 G			0.4	5	SOUTHERN NORWAY
06	11	29	48.0	38.375	N	119.319	W	5 G			1.2	11	CALIFORNIA-NEVADA BORDER REGION. ML 2.5 (BRK).
06	12	48	38.8	15.632	N	60.581	W	10 G			0.3	8	LEEWARD ISLANDS. ML 3.0 (FDF).
06	13	17	55.2*	30.585	S	178.337	W	242 ?	5.0		1.0	18	KERMADEC ISLANDS
06	14	04	29.0?	52.87	S	159.39	E	10 G	4.6		0.6	8	MACQUARIE ISLANDS REGION
06	14	09	17.9	6.628	S	147.730	E	45 *	4.9		0.9	19	EAST PAPUA NEW GUINEA REGION
06	14	35	15.8*	50.441	N	6.155	E	10 G			0.1	5	GERMANY. MD 1.9 (UCC)
06	16	36	33.7*	21.838	N	143.110	E	236 ?	4.1		0.7	19	MARIANA ISLANDS REGION
06	16	59	11.9	45.904	N	6.768	E	5 G			1.1	14	FRANCE. ML 2.8 (LDG).
06	17	06	35.1?	61.78	N	7.43	E	1 G			0.9	4	SOUTHERN NORWAY. MD 2.2 (BER).
06	17	15	21.2*	31.228	S	71.041	W	33 N			1.1	10	NEAR COAST OF CENTRAL CHILE
06	18	04	21.7*	37.780	N	26.714	E	10 G			1.4	10	DODECANESE ISLANDS. MD 3.4 (ATH).
06	19	03	29.7%	43.758	N	12.543	E	10 G			1.1	5	CENTRAL ITALY. MD 2.1 (ROM).
06	19	45	26.9&	61.878	N	147.722	W	24				26	SOUTHERN ALASKA. <AGS-P>. ML 3.2 (PMR).
06	20	02	34.2	44.789	N	111.512	W	5 G			0.4	7	HEBGEN LAKE REGION. CL 2.9 (BUT).
06	21	31	37.0	52.673	N	34.836	W	27 D	4.7		1.4	45	NORTH ATLANTIC OCEAN
06	23	27	05.1&	61.900	N	147.714	W	24				13	SOUTHERN ALASKA. <AGS-P>.
07	00	07	25.9	37.178	N	4.451	W	10 G			1.3	6	SPAIN. mbLg 2.7 (MDD).
07	00	12	49.2	37.252	N	4.490	W	10 G			1.2	20	SPAIN. mbLg 3.5 (MDD). Felt (III) at Palenciana.
07	00	18	19.2	48.779	N	19.210	E	16			0.9	25	CZECHOSLOVAKIA. ML 4.3 (KRA), 3.5 (BRA), 3.4 (VKA), 3.4 (KBA). Felt (V) in the Banska Bystrica-Brezno-Kremnica area.
07	00	28	34.5	37.150	N	4.527	W	10 G			1.1	10	SPAIN. mbLg 3.1 (MDD).
07	01	35	20.5*	60.126	N	29.367	W	10 G	4.3		1.0	13	NORTH ATLANTIC OCEAN
07	01	54	22.4	37.312	N	4.534	W	10 G			1.3	13	SPAIN. mbLg 3.2 (MDD).
07	01	57	40.2	37.279	N	4.557	W	10 G			1.1	13	SPAIN. mbLg 2.8 (MDD).
07	02	33	38.7%	37.337	N	4.558	W	10 G			1.4	6	SPAIN. mbLg 2.6 (MDD).
07	02	47	47.0	43.919	N	6.470	W	10 G			1.2	15	SPAIN. mbLg 3.3 (MDD).
07	02	48	08.9*	7.085	S	129.195	E	69 ?	5.1		1.1	27	BANDA SEA
07	02	59	13.6	37.312	N	4.549	W	10 G			1.4	13	SPAIN. mbLg 3.3 (MDD).
07	03	31	22.2%	38.928	N	27.713	E	10 G			1.5	6	TURKEY

	07	05 07 47.6*	37.102	N	4.418	W	10	G			1.4	10	SPAIN. mbLg 2.9 (MDD).
	07	05 08 47.3?	57.89	S	26.97	W	33	N	4.4		1.0	12	SOUTH SANDWICH ISLANDS REGION
	07	05 10 48.6	37.331	N	4.494	W	10	G			0.6	7	SPAIN. mbLg 2.6 (MDD).
	07	05 25 44.5?	16.28	N	62.51	W	33	N			0.6	6	LEEWARD ISLANDS
	07	06 00 24.5	37.314	N	4.560	W	10	G			1.3	9	SPAIN. mbLg 2.7 (MDD).
	07	07 04 41.0	37.315	N	4.555	W	10	G			1.3	10	SPAIN. mbLg 2.9 (MDD).
	07	07 38 15.4*	37.321	N	4.546	W	10	G			0.4	5	SPAIN. mbLg 2.7 (MDD).
	07	09 58 16.2*	8.956	S	106.549	E	33	N	5.0	3.5	0.9	17	SOUTH OF JAVA
	07	10 03 19.2*	16.311	S	173.487	W	48	D	5.1		0.9	24	TONGA ISLANDS
	07	11 17 41.5	60.701	N	5.509	E	10	G			0.7	9	SOUTHERN NORWAY. ML 1.7 (BER).
	07	11 50 00.9&	57.348	N	155.206	W	54					10	ALASKA PENINSULA. <AGS-P>.
	07	12 19 48.3	14.131	N	51.745	E	10	G	4.7	4.5	1.1	57	EASTERN GULF OF ADEN
	07	13 10 29.0*	33.242	N	141.372	E	33	N	4.5		0.4	13	OFF EAST COAST OF HONSHU, JAPAN
	07	14 35 30.5*	51.258	N	15.727	E	5	G			1.2	9	POLAND. ML 3.6 (VKA), 3.0 (KRA).
	07	15 08 25.1	34.596	N	27.994	E	33	N			1.4	10	EASTERN MEDITERRANEAN SEA
	07	15 17 48.3	6.591	S	147.836	E	48	*	5.0	4.5	1.4	43	EAST PAPUA NEW GUINEA REGION
	07	15 42 07.8&	63.605	N	146.213	W	0					33	CENTRAL ALASKA. <AGS-P>. ML 3.6 (PMR).
	07	16 08 12.3	37.257	N	4.557	W	10	G			0.7	8	SPAIN. mbLg 2.7 (MDD).
	07	16 31 49.3	36.150	N	120.081	W	5	G			1.1	11	CENTRAL CALIFORNIA. ML 2.7 (BRK).
	07	17 40 04.9*	9.202	S	78.940	W	67	D	5.0		0.9	17	NEAR COAST OF NORTHERN PERU. Felt (IV) at Chimbote.
	07	18 03 40.2&	61.596	N	151.760	W	76					9	SOUTHERN ALASKA. <AGS-P>.
	07	18 26 19.1	37.035	N	4.552	W	10	G			1.3	10	SPAIN. mbLg 2.9 (MDD).
	07	18 30 06.1*	21.803	N	121.393	E	75	*	3.9		0.9	16	TAIWAN REGION
	07	18 42 33.0&	64.460	N	149.472	W	16					27	CENTRAL ALASKA. <AGS-P>.
	07	18 53 12.6*	40.048	S	74.623	W	33	N	4.9		1.4	18	OFF COAST OF SOUTHERN CHILE
	07	19 15 12.3?	51.70	N	16.44	E	10	G			0.4	8	POLAND. ML 3.3 (VKA).
a	07	19 45 53.7	38.057	N	21.620	E	25		5.0	4.8	1.4	282	GREECE. ML 5.0 (TTG), 4.7 (ATH). MD 5.1 (VKA), 4.8 (KBA). Cracks in many buildings in the Kato Akhaia area. Felt widely an narthern Pelaponnisos and an Zakinthas and Kefallinia.
	07	21 01 48.8	39.366	N	28.140	E	10	G			1.2	13	TURKEY. MD 3.3 (ATH).
a	07	21 47 35.0	5.632	N	125.732	E	170		5.1		1.0	95	MINDANAO, PHILIPPINE ISLANDS
	07	23 51 23.4*	34.262	N	91.930	E	10	G	3.5		1.5	18	QINGHAI PROVINCE, CHINA
	08	00 02 06.0	47.855	N	7.187	E	10	G			0.8	8	SWITZERLAND. ML 2.5 (LDG). MD 1.6 (STR).
	08	00 17 58.3?	35.12	N	21.17	E	33	N			1.3	5	MEDITERRANEAN SEA. MD 3.5 (ATH).
	08	01 11 12.8	37.965	N	21.491	E	10	G			1.1	8	SOUTHERN GREECE. ML 3.2 (ATH).
	08	01 24 56.7	14.678	S	167.215	E	132	*	5.1		1.1	64	VANUATU ISLANDS
	08	01 33 48.2	44.167	N	10.872	E	20				1.5	36	NORTHERN ITALY. ML 3.1 (LDG). MD 2.9 (ROM).
	08	01 37 25.7?	14.42	N	59.51	W	10	G			0.2	5	WINDWARD ISLANDS. ML 3.0 (FDF).
	08	01 41 49.8*	29.900	N	99.472	E	10	G	5.3		1.4	15	SICHUAN PROVINCE, CHINA
	08	02 22 33.5&	58.209	N	142.663	W	10	G				15	GULF OF ALASKA. <AGS-P>.
	08	02 48 28.1	53.748	N	162.535	E	33	N	5.0		1.1	32	OFF EAST COAST OF KAMCHATKA
	08	04 07 44.3*	55.550	S	28.029	W	25	D	5.2		0.8	15	SOUTH SANDWICH ISLANDS REGION
	08	04 48 59.4	37.269	N	4.544	W	10	G			0.9	16	SPAIN. mbLg 3.3 (MDD).
	08	04 55 09.6*	35.438	N	27.504	E	10	G			0.9	6	DODECANESE ISLANDS. MD 3.7 (ATH).
	08	06 05 27.2	46.465	N	10.641	E	10	G			1.0	13	NORTHERN ITALY. MD 2.7 (ROM).
	08	06 20 40.7&	57.082	N	149.403	W	10	G				41	GULF OF ALASKA. <AGS-P>. ML 4.0 (PMR).
a	08	06 24 09.6	6.837	N	37.878	E	19		5.0	4.8	0.9	91	ETHIOPIA. Minor injuries to a few people and damage at Soda.
	08	08 38 39.2*	13.798	N	91.736	W	33	N	4.3	3.4	1.0	28	NEAR COAST OF GUATEMALA
	08	09 09 28.2&	61.779	N	149.690	W	43					28	SOUTHERN ALASKA. <AGS-P>.
	08	09 25 57.7	30.179	N	50.991	E	33	N			1.0	11	IRAN
	08	09 41 35.9%	59.876	N	5.736	E	10	G			0.6	8	SOUTHERN NORWAY. MD 1.8 (BER).
a	08	09 51 56.8	19.531	S	173.736	W	23	D	5.5	5.4	1.1	178	TONGA ISLANDS. Mo=1.0*10**18 Nm (PPT). Ms 5.4 (BRK).
	08	10 07 26.4?	9.87	S	124.31	E	80	?	4.4		0.5	7	TIMOR
	08	10 54 32.9	37.751	N	26.749	E	13				1.3	15	DODECANESE ISLANDS. ML 3.6 (ATH).
	08	12 25 57.3?	1.29	S	101.42	E	167	*	4.5		1.4	13	SOUTHERN SUMATERA
	08	13 29 16.7*	18.057	N	145.559	E	33	N	4.9		0.2	9	MARIANA ISLANDS
	08	13 46 28.0	23.496	N	121.493	E	27	D	5.0	4.0	1.4	77	TAIWAN
	08	14 14 22.9?	42.04	N	19.31	E	10	G			0.3	4	YUGOSLAVIA. ML 2.1 (TTG).
	08	15 31 14.0%	41.084	N	29.207	E	10	G			1.1	7	TURKEY
	08	15 41 13.0%	45.565	N	26.281	E	148	?			1.1	19	ROMANIA
	08	16 35 50.1%	61.779	N	7.367	E	10	G			1.1	6	SOUTHERN NORWAY. ML 2.1 (BER).
	08	17 17 41.7	41.299	N	22.795	E	10	G			0.6	7	YUGOSLAVIA. ML 1.9 (SKO).
	08	18 18 43.3	39.165	N	99.477	W	5	G			0.7	14	KANSAS. mbLg 4.0 (NEIS), 3.8 (TUL). Felt (V) at Damar, Palco and Zurich; (III) at Bogue, Plainville and Wakeeney; (II) at Hays, Ogallah and Struttgart. Also felt in the Stockton area.
	08	18 33 25.1?	31.81	N	96.61	E	10	G			0 9	7	TIBET
	08	18 47 09.5*	12 487	S	77 992	W	10	G			1.2	11	NEAR COAST OF PERU. Felt (II) at Lima
	08	19 57 58.0&	62.953	N	150.941	W	110					24	CENTRAL ALASKA. <AGS-P>.
	08	21 42 53.0&	35.260	N	118.590	W	8					11	CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	08	21 43 41.6?	37.90	N	47.82	E	10	G			0.4	7	NORTHWESTERN IRAN
	08	22 02 11.8	18.510	N	106.159	W	72	*	3.9		0.8	27	OFF COAST OF JALISCO, MEXICO
	09	00 24 38.9	36.423	N	70.197	E	223	D	4.5		1.1	29	HINDU KUSH REGION
	09	00 48 48.9?	30.97	S	68.18	W	153	?			1.0	9	SAN JUAN PROVINCE, ARGENTINA
	09	05 38 30.8?	41.34	N	20.95	E	10	G			1.0	4	ALBANIA. ML 2.5 (SKO).
	09	06 23 22.6*	10.141	S	161.154	E	89	*	4.3		1.3	12	SOLOMON ISLANDS
	09	06 24 38.1	37.960	N	21.453	E	10	G			1.2	8	SOUTHERN GREECE. ML 3.3 (ATH).
	09	06 31 36.7?	37.45	N	4.67	W	10	G			0.8	6	SPAIN. mbLg 2.9 (MDD).
	09	06 40 22.4?	41.37	N	20.89	E	10	G			1.5	4	ALBANIA. ML 2.6 (SKO).
a	09	07 14 28.7	5.038	S	151.278	E	157		5.1		1.0	144	NEW BRITAIN REGION
	09	08 14 16.1	71.398	N	3.855	W	10	G	4.9	3.3	1.2	60	JAN MAYEN ISLAND REGION
	09	09 06 46.7*	10.137	N	93.346	E	33	N	4.3		1.5	13	ANDAMAN ISLANDS REGION
	09	09 46 15.2*	71.575	N	4.378	W	10	G	4.7		1.2	30	JAN MAYEN ISLAND REGION
	09	09 49 42.3%	39.638	N	29.491	E	10	G			1.0	6	TURKEY
	09	09 53 43.1	10.393	N	92.774	E	33	N	4.8		0.9	54	ANDAMAN ISLANDS REGION
	09	10 27 37.0?	13.73	N	92.45	W	33	N	4.3		1.4	9	OFF COAST OF CHIAPAS, MEXICO
	09	10 28 33.1%	60.636	N	6.236	E	10	G			0.6	7	SOUTHERN NORWAY. MD 1.8 (BER).
	09	10 32 06.9&	62.572	N	149.757	W	72					28	CENTRAL ALASKA. <AGS-P>. Felt (II) at Willow.
	09	11 08 03.4?	23.09	N	121.65	E	33	N			1.3	7	TAIWAN
	09	11 43 10.9?	51 65	N	16.35	E	10	G			0 3	6	POLAND ML 2 9 (KRA).
	09	12 10 42.1	37.014	N	27.931	E	10	G			0.7	7	TURKEY

a	09	12	19	35.7	71.432	N	4.371	W	10	G	5.6 5 4	1.3	246	JAN MAYEN ISLAND REGION
	09	12	25	56.7*	71.699	N	3 717	W	10	G	4.4	0.9	15	JAN MAYEN ISLAND REGION
	09	13	02	00.5%	60.699	N	5.517	E	10	G		0.8	8	SOUTHERN NORWAY. MD 1.7 (BER).
	09	13	09	44.0*	10.608	S	119.517	E	33	N	4.4	1.5	17	SUMBA ISLAND REGION
	09	13	38	06.9	41.673	N	19.961	E	10	G		1.0	11	ALBANIA. ML 2.7 (TTG).
	09	13	39	55.5*	10.566	S	119.460	E	33	N	4.6	1.4	17	SUMBA ISLAND REGION
	09	13	55	49.3&	60.713	N	151.857	W	73				14	KENAI PENINSULA, ALASKA. <AGS-P>.
	09	14	46	04.9	29.395	N	102.302	E	10	G	5.1 4.4	1.1	112	SICHUAN PROVINCE, CHINA
	09	15	06	32.9&	60.913	N	149.283	W	17				24	KENAI PENINSULA, ALASKA. <AGS-P>.
a	09	15	34	11.6	7.865	S	117.517	E	245	G	5.8	1.0	216	BALI SEA. Felt (III) at Karangasem, Bali. Depth from broadband displacement seismograms.
	09	16	29	44.9*	23.384	N	121.413	E	10	G		1.2	6	TAIWAN
	09	16	38	13.4	8.112	S	117.581	E	242	*	4.6	1.0	17	SUMBAWA ISLAND REGION
a	09	16	52	12.1	20.260	N	145.147	E	149	D	5.4	1.1	174	MARIANA ISLANDS
	09	18	04	05.7	39.671	N	74.490	E	33	N	5.2 4.7	1.2	185	SOUTHERN XINJIANG, CHINA
	09	18	08	19.9?	45.95	N	2.72	E	10	G		1.0	4	FRANCE. MD 1.5 (STR).
	09	18	43	43.0*	7.968	N	127.211	E	33	N	4.7	1.0	10	PHILIPPINE ISLANDS REGION
	09	19	27	46.4	38.284	N	22.707	E	10	G		1.1	13	GREECE. ML 3.0 (ATH).
	09	21	11	23.4	25.265	N	101.976	E	37	*	4.5	1.0	19	YUNNAN PROVINCE, CHINA. ML 4.4 (BJI).
	09	21	52	51.7%	39.191	N	29.547	E	10	G		0.3	5	TURKEY
	09	22	14	01.3%	37.972	N	0.181	E	10	G		0.9	6	WESTERN MEDITERRANEAN SEA. mbLg 3.0 (MDD).
	10	00	28	02.2%	38.365	N	27.078	E	10	G		1.2	6	TURKEY. MD 3.0 (ATH).
	10	02	06	32.3%	37.234	N	4.533	W	5	G		1.2	13	SPAIN. mbLg 2.9 (MDD).
	10	02	06	38.9	17.121	S	166.731	E	33	N	4.7	1.1	51	VANUATU ISLANDS
	10	02	56	41.0*	4.770	S	102.496	E	33	N	4.4	0.9	17	SOUTHERN SUMATERA
	10	04	53	21.5	71.484	N	3.800	W	10	G	5.0 4.5	1.1	91	JAN MAYEN ISLAND REGION
	10	06	52	12.8&	61.801	N	150.675	W	58				6	SOUTHERN ALASKA. <AGS-P>.
	10	07	15	06.9%	42.105	N	7.754	W	10	G		0.6	7	SPAIN. mbLg 3.3 (MDD).
	10	08	44	55.3	30.044	S	71.218	W	104	*	4.3	1.2	24	NEAR COAST OF CENTRAL CHILE
	10	09	09	53.9?	1.69	S	77.70	W	183	*	3.9	1.2	10	ECUADOR
	10	09	10	01.4*	38.899	N	20.716	E	10	G		1.1	8	GREECE. MD 3.3 (ATH).
	10	10	37	18.6	40.596	N	22.170	E	10	G		0.7	6	GREECE. ML 1.7 (SKO).
	10	10	43	12.4%	37.662	N	30.006	E	10	G		1.0	7	TURKEY
	10	11	43	18.4?	61.88	N	3.95	E	10	G		1.4	9	NORWEGIAN SEA. MD 2.0 (BER).
	10	12	02	03.0*	6.373	S	154.814	E	66	?	4.1	0.8	9	SOLOMON ISLANDS
	10	13	40	47.8	16.393	N	61.277	W	75	*		0.4	13	LEEWARD ISLANDS
	10	14	08	32.9	38.387	N	27.140	E	9			0.8	20	TURKEY
	10	14	43	52.3*	4.012	S	139.592	E	74	?	4.7	0.7	12	WEST IRIAN
	10	17	07	35.8&	59.793	N	153.277	W	121				25	SOUTHERN ALASKA. <AGS-P>.
	10	17	29	58.1	22.252	S	138.734	W	0	G	5.5	0.9	139	TUAMOTU ARCHIPELAGO REGION
	10	17	38	22.5	36.689	N	22.877	E	25	*	4.2	1.2	14	SOUTHERN GREECE. ML 3.3 (ATH).
	10	17	59	09.2&	58.117	N	153.732	W	62				9	KODIAK ISLAND REGION. <AGS-P>.
	10	18	26	28.7*	36.464	N	22.693	E	10	G		1.5	6	SOUTHERN GREECE. ML 3.2 (ATH).
	10	18	35	00.8&	41.947	N	125.034	W	5	G	4.2		18	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK).
	10	19	09	16.3	36.682	N	22.924	E	15		4.2	1.2	33	SOUTHERN GREECE. ML 3.5 (ATH). Felt in the eastern Lakonikos Kolpos area.
	10	19	39	54.7?	51.51	N	6.68	E	10	G		1.6	5	GERMANY
	10	21	22	06.0	37.174	N	4.566	W	21	*		1.3	14	SPAIN. mbLg 2.8 (MDD).
	10	21	50	56.9	36.369	N	31.965	E	112		4.0	0.8	39	TURKEY
	10	22	32	23.1%	42.790	N	12.675	E	10	G		0.3	6	CENTRAL ITALY. MD 2.7 (ROM).
	11	00	51	26.7&	36.250	N	120.300	W	6	G			16	CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.7 (BRK).
	11	01	18	03.5*	43.824	N	8.263	E	10	G		0.3	11	CORSICA. ML 2.4 (GEN).
	11	01	46	44.6&	59.778	N	153.418	W	130				27	SOUTHERN ALASKA. <AGS-P>.
	11	04	44	51.6	36.494	N	71.262	E	224		4.1	0.8	41	AFGHANISTAN-USSR BORDER REGION
	11	05	03	42.3*	36.620	N	27.974	E	10	G		1.3	5	DODECANESE ISLANDS. MD 3.4 (ATH).
	11	06	05	07.9	47.173	N	7.492	E	10	G		1.2	16	SWITZERLAND. MD 2.6 (STR).
	11	06	45	47.3*	6.415	S	148.081	E	33	N	4.7	1.0	15	NEW BRITAIN REGION. ML 4.7 (PMG).
	11	06	57	30.5*	30.261	N	51.643	E	33	N	3.3	1.6	10	IRAN. ML 3.7 (BMU).
	11	06	59	50.5*	41.622	N	72.902	E	33	N	4.9	0.9	8	KIRGHIZ SSR
	11	07	08	30.8*	59.679	N	29.800	W	10	G	4.3	0.8	14	NORTH ATLANTIC OCEAN
	11	09	29	18.2&	38.845	N	122.808	W	4				12	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK).
	11	09	53	30.9*	13.348	N	144.274	E	126		4.3	0.4	12	MARIANA ISLANDS. Felt (III) on Guam.
	11	10	08	27.2	59.605	N	29.815	W	10	G	4.4	0.8	43	NORTH ATLANTIC OCEAN
	11	10	38	10.8*	60.032	N	29.706	W	10	G	4.3	1.0	15	NORTH ATLANTIC OCEAN
	11	11	26	09.2*	59.103	N	30.212	W	10	G	4.5	1.3	15	NORTH ATLANTIC OCEAN
	11	11	33	04.3*	11.289	N	126.123	E	33	N	4.8	0.9	15	PHILIPPINE ISLANDS REGION
	11	11	34	49.1&	57.459	N	142.885	W	10	G	4.5		84	GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR).
	11	12	00	32.9*	44 477	N	124 895	W	10	G	4.1	0.8	19	NEAR COAST OF OREGON
a	11	12	21	49 7?	51 75	S	158 85	E	10	G	5 2 5 1	1 6	29	NORTH OF MACQUARIE ISLAND
	11	12	42	16 2	59 606	N	29 871	W	10	G	4 3	0 7	27	NORTH ATLANTIC OCEAN
	11	12	44	53.3*	59 400	N	30 159	W	10	G	4.4	1 1	16	NORTH ATLANTIC OCEAN
	11	12	53	25.6*	59.961	N	29.686	W	10	G	4.6	0.5	9	NORTH ATLANTIC OCEAN
	11	13	08	51.7%	42.131	N	7 769	W	10	G		0.2	6	SPAIN. mbLg 3.1 (MDD).
	11	13	16	55.4	66.936	N	156 375	W	5	G		0.9	16	ALASKA. ML 3.7 (PMR).
a	11	13	24	32.0	35.107	N	35.008	W	10	G	5.8 5.5	1.0	343	NORTH ATLANTIC RIDGE. Ms 5.8 (BRK). Depth from broadband displacement seismograms.
	11	13	42	44.1	26.419	N	90.763	E	33	N	4.6 4.3	0.9	36	EASTERN INDIA. Felt at Shillong and Gauhati.
	11	14	52	33.7	19.960	S	133.731	E	5	G	4.3	1.5	17	NORTHERN TERRITORY, AUSTRALIA
	11	14	55	26.7?	11.80	S	77.73	W	33	N		1.4	9	NEAR COAST OF PERU. Felt (IV) at Lima.
	11	16	49	49.2*	6.598	S	147.909	E	33	N	4.3 3.5	1.4	12	EAST PAPUA NEW GUINEA REGION
	11	16	55	35.2	37.330	N	20.735	E	10	G	4.2	1.4	22	IONIAN SEA. ML 3.7 (ATH).
	11	17	22	46.5&	32.410	N	115.370	W	6	G			4	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS).
	11	18	11	54.0*	34.180	N	24.563	E	10	G		1.4	10	CRETE. MD 4.0 (ATH).
	11	18	22	22.2%	37.332	N	2.144	W	10	G		0.6	6	SPAIN. mbLg 3.0 (MDD).
	11	19	34	24.6*	59.601	N	30.003	W	10	G	4.2	0.6	21	NORTH ATLANTIC OCEAN
	11	20	03	51.3	35.183	N	140.821	E	67	*	3.9	0.9	21	NEAR EAST COAST OF HONSHU, JAPAN. Felt (1 JMA) at Tateyama, Yokahama and an Oshima.
	11	21	46	05.4	43.880	N	12.002	E	9	G		0.2	9	CENTRAL ITALY. MD 2.4 (ROM).
	11	21	54	28.3&	60.288	N	140.448	W	13				7	SOUTHEASTERN ALASKA. <AGS-P>.
	11	23	14	23.0&	61.940	N	150.770	W	0				19	SOUTHERN ALASKA. <AGS-P>.
a	11	23	24	39.0	6.463	S	147.857	E	49		5.1 4 8	1.1	108	EAST PAPUA NEW GUINEA REGION
	11	23	57	37.7*	12 519	S	129.558	E	10	G		1.3	5	NORTHERN TERRITORY, AUSTRALIA
a	12	00	04	09.7	21 861	N	89.763	E	6	G	6.1 5.1	0.9	412	BANGLADESH. One person killed, at least 100 injured and

														minor damage in the Banaripara area. Felt throughout eastern Bangladesh from Chittagang to Rangpur. Also felt in Meghalaya, India. Depth from broadband displacement seismograms.
	12	00	07	46.6	6.492	S	147.955	E	33	N	4.1	4.2	1.1	20 EAST PAPUA NEW GUINEA REGION
a	12	05	47	35.7	15.283	S	167.572	E	247		5.4		1.2	102 VANUATU ISLANDS
	12	05	50	42.6&	63.060	N	150.993	W	122					11 CENTRAL ALASKA. <AGS-P>.
	12	06	34	11.7&	63.391	N	149.818	W	104					27 CENTRAL ALASKA. <AGS-P>.
	12	08	13	36.3%	11.006	N	61.671	W	10	G			1.0	5 WINDWARD ISLANDS
	12	08	57	48.7?	23.50	S	66.63	W	237	?	4.2		1.2	13 JUJUY PROVINCE, ARGENTINA
	12	12	09	55.4%	60.553	N	5.206	E	10	G			0.4	6 SOUTHERN NORWAY. MD 1.5 (BER).
	12	12	12	08.9	19.388	N	145.447	E	150	*	4.9		1.0	54 MARIANA ISLANDS
	12	12	26	15.2*	6.629	S	147.924	E	46	*	4.2		1.4	13 EAST PAPUA NEW GUINEA REGION
	12	13	11	51.5	30.169	S	178.918	W	82	*	5.6		1.4	77 KERMADEC ISLANDS
	12	14	12	48.6*	50.383	N	6.059	E	10	G			0.3	5 GERMANY. MD 2.1 (UCC).
	12	14	51	23.4?	44.67	N	8.13	E	10	G			0.1	6 NORTHERN ITALY. ML 2.1 (GEN).
	12	14	57	43.3	41.518	N	20.771	E	10	G			0.8	6 ALBANIA. ML 2.4 (SKO).
	12	16	36	59.3*	31.689	S	66.857	W	144	?			1.2	16 LA RIOJA PROVINCE, ARGENTINA
	12	16	40	41.8%	39.647	N	27.807	E	10	G			0.9	11 TURKEY
	12	16	57	18.4&	34.030	N	118.180	W	16		4.3			55 SOUTHERN CALIFORNIA. <PAS-P>. ML 4.4 (PAS), 4.5 (BRK). Slight damage (VI) at Bell Gardens and in the downtown Los Angeles area. Felt (V) at Actan, Arcadia, Bell, Bellflower, Burbank, Commerce, Compton, Covina, Downey, Duarte, El Sereno, Gardena, Glendora, Harbor City, Hawthorne, Highland Park, Inglewood, Lakewood, Long Beach, Los Nietos, Lynwood, Montebello, Mount Wilson, Norwalk, Pasadena, Sierra Madre, South Gate and Whittier. Felt in Los Angeles, Orange, Riverside, San Bernardino and Ventura Counties.
	12	17	22	25.5&	34.020	N	118.180	W	16		4.2			43 SOUTHERN CALIFORNIA. <PAS-P>. ML 4.1 (PAS), 3.9 (BRK). Felt in the Los Angeles area.
a	12	18	21	03.3	22.554	S	175.826	W	71	D	5.5		1.3	159 TONGA ISLANDS REGION
	12	18	34	55.5*	33.284	N	139.338	E	185	*	4.0		1.3	30 SOUTH OF HONSHU, JAPAN. Felt (II JMA) at Yonago and (I JMA) at Utsunomiya.
	12	18	41	03.3*	5.053	N	82.575	W	33	N	4.5	4.2	1.6	17 SOUTH OF PANAMA
	12	20	31	20.5	40.916	N	19.921	E	10	G			1.2	9 ALBANIA. ML 2.7 (SKO).
	12	20	45	22.0*	5.687	S	130.979	E	65	*	4.6		1.2	16 BANDA SEA
	12	22	30	35.3*	24.753	N	95.154	E	33	N			0.7	7 BURMA
	12	22	32	11.0?	16.24	N	101.85	W	33	N			1.4	7 NEAR COAST OF GUERRERO, MEXICO
	13	00	36	09.4*	42.376	N	19.906	E	10	G			1.0	6 YUGOSLAVIA
	13	00	47	32.1&	59.643	N	153.124	W	116					28 SOUTHERN ALASKA. <AGS-P>.
	13	01	34	36.6&	19.433	N	155.589	W	17					45 HAWAII. <HVO-P>. MD 3.9 (HVO).
	13	01	42	51.1?	8.28	N	82.02	W	33	N			0.3	5 PANAMA-COSTA RICA BORDER REGION
	13	01	49	16.7%	16.056	N	61.297	W	10	G			0.6	6 LEEWARD ISLANDS. ML 2.2 (FDF).
	13	03	31	43.0%	43.899	N	7.505	E	10	G			0.3	5 NEAR SOUTH COAST OF FRANCE
	13	03	49	10.2?	44.13	N	7.24	E	10	G			0.1	5 NORTHERN ITALY. MD 1.0 (STR).
	13	05	45	28.2*	28.969	S	71.604	W	33	N			1.5	14 NEAR COAST OF CENTRAL CHILE
	13	06	40	45.5&	37.738	N	122.132	W	2					9 CENTRAL CALIFORNIA. <BRK>. ML 1.8 (BRK). Felt at Oakland and San Leandro.
	13	08	52	42.8	30.935	N	138.398	E	394		5.1		0.9	176 SOUTH OF HONSHU, JAPAN
	13	09	29	28.9?	23.89	N	122.50	E	10	G			1.0	6 TAIWAN REGION
	13	10	04	51.2	19.398	N	108.381	W	33	N	4.8		1.0	56 REVILLA GIGEDO ISLANDS REGION
	13	10	17	35.4?	13.61	N	143.48	E	104	D			0.6	10 SOUTH OF MARIANA ISLANDS
	13	11	25	53.1	0.059	S	123.370	E	164	*	4.8		0.8	11 MINAHASSA PENINSULA
	13	11	56	14.3%	60.295	N	5.099	E	10	G			0.3	7 SOUTHERN NORWAY. MD 1.4 (BER).
	13	12	17	38.6*	39.581	N	20.525	E	10	G			1.1	6 GREECE-ALBANIA BORDER REGION
	13	12	20	32.1&	61.703	N	151.588	W	93					11 SOUTHERN ALASKA. <AGS-P>.
	13	12	29	05.3	42.490	N	24.260	E	10	G			1.1	7 BULGARIA
	13	12	29	21.2*	3.851	S	138.517	E	106	?	4.5		1.2	19 WEST IRIAN
	13	13	16	06.9	35.599	N	27.233	E	22				1.3	12 DODECANESE ISLANDS. MD 4.0 (ATH).
	13	13	44	01.2	42.787	N	12.728	E	10	G			0.8	6 CENTRAL ITALY. MD 2.5 (SSO), 2.2 (ROM).
	13	14	49	38.0*	47.046	N	9.154	E	10	G			0.2	5 GERMANY
	13	15	14	26.1?	12.78	N	49.29	E	10	G	4.6		0.4	11 EASTERN GULF OF ADEN
	13	16	04	40.0&	63.129	N	150.763	W	114					18 CENTRAL ALASKA. <AGS-P>.
a	13	17	49	40.5	3.670	S	140.139	E	71	D	5.4		1.0	163 WEST IRIAN
	13	18	19	03.0	42.596	N	13.078	E	10	G			0.8	7 CENTRAL ITALY. MD 2.3 (ROM), 2.3 (SSO).
	13	18	40	34.2*	19.815	N	71.140	W	10	G			0.6	7 DOMINICAN REPUBLIC REGION
	13	19	19	33.4*	26.533	N	129.379	E	33	N	4.5		1.1	15 RYUKYU ISLANDS
	13	19	52	21.9*	9.452	S	124.256	E	118	?	4.6		1.4	16 TIMOR
	13	22	31	23.1	61.822	N	7.448	E	10	G			1.3	11 SOUTHERN NORWAY. MD 2.0 (BER).
	13	22	50	20.0&	61.816	N	151.155	W	68					11 SOUTHERN ALASKA. <AGS-P>.
a	13	22	59	33.4*	43.342	S	38.969	E	10	G	5.0	5.0	1.3	31 PRINCE EDWARD ISLANDS REGION
	14	00	16	51.5*	42.544	N	13.111	E	10	G			0.8	5 CENTRAL ITALY. MD 2.2 (SSO), 2.1 (ROM).
	14	00	17	08.3	37.082	N	141.072	E	74		4.9		1.4	34 NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito, Shirakawa, Onahama and Fukushima; (I JMA) at Utsunomiya.
a	14	00	29	00.0	51.488	N	174.300	W	33	N	5.2	4.5	0.9	195 ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	14	00	35	58.2	51.547	N	174.316	W	33	N	5.3	4.9	1.0	171 ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	14	01	21	36.2	44.486	N	10.479	E	10	G			0.6	7 NORTHERN ITALY. MD 2.3 (ROM).
	14	04	40	00.3	51.583	N	174.173	W	33	N	4.9	4.3	0.9	76 ANDREANOF ISLANDS, ALEUTIAN IS.
	14	04	50	34.3&	59.543	N	152.995	W	92		4.0			47 SOUTHERN ALASKA. <AGS-P>.
	14	05	05	54.7	51.640	N	174.236	W	33	N	4.9		0.9	80 ANDREANOF ISLANDS, ALEUTIAN IS.
	14	05	11	05.2	17.085	N	62.251	W	10	G			1.6	6 LEEWARD ISLANDS
	14	06	25	58.2*	41.974	N	23.159	E	10	G			0.8	5 GREECE-BULGARIA BORDER REGION
	14	07	15	41.8	40.459	N	120.790	W	5	G			1.1	7 NORTHERN CALIFORNIA. ML 2.6 (BRK).
a	14	10	17	35.2	12.875	N	143.351	E	126		5.5		1.1	229 SOUTH OF MARIANA ISLANDS. Felt (IV) on Guam.
	14	12	31	41.1	39.297	N	28.992	E	10	G			1.0	10 TURKEY
	14	12	35	24.8?	51.26	N	16.03	E	10	G			0.1	5 POLAND
	14	12	40	07.3%	39.357	N	29.056	E	10	G			1.2	6 TURKEY
	14	12	54	41.4*	10.359	S	78.618	W	33	N	4.7		0.7	14 NEAR COAST OF PERU
	14	13	33	06.6	51.801	N	174.480	W	33	N	4.5		1.0	28 ANDREANOF ISLANDS, ALEUTIAN IS.
	14	16	21	10.0*	22.191	S	68.718	W	77	*	4.3		0.8	10 NORTHERN CHILE. Felt (III) at Calama, Tocopilla and Quillahua.

	14	17 29 51.4*	66.958	N	20.614	E	10	G			0.5	5	SWEDEN. MD 3.1 (BER).
a	14	18 06 38.2	34.289	N	26.055	E	14		5.2	5 1	1.2	322	CRETE. ML 4.8 (ATH).
	14	18 26 20.8	34.194	N	26.180	E	40	*	4.3		1.3	84	CRETE
	14	18 29 26.0	33.972	N	26.201	E	10	G	4.4		1.2	21	EASTERN MEDITERRANEAN SEA. MD 4.3 (ATH).
	14	19 47 47.0?	44.32	N	142.74	E	225	*	4.6		1.1	9	HOKKAIDO, JAPAN REGION
a	14	21 44 35.1	40.085	N	144.609	E	33	N	5.3	4.6	0.9	227	OFF EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Miyako and (I JMA) at Morioka.
	14	21 49 43.4&	41.042	N	124.218	W	23					9	NEAR COAST OF NORTHERN CALIF. <BRK>. Felt (IV) at Eureka and Samoa. Also felt at Arcata, Bayside and Trinidad.
a	14	22 37 11.3	14.013	S	65.945	E	10	G	5.1	4.9	0.9	150	MID-INDIAN RISE
	14	22 49 41.6	10.206	N	60.021	W	10	G			0.9	11	TRINIDAD
	15	01 27 57.3	40.851	N	20.361	E	10	G			1.4	7	GREECE-ALBANIA BORDER REGION. ML 1.4 (SKO).
	15	01 40 19.4?	43.67	N	13.75	E	10	G			1.6	5	CENTRAL ITALY. MD 2.7 (ROM).
	15	01 59 51.9	43.035	N	12.984	E	10	G			0.6	9	CENTRAL ITALY. MD 2.5 (ROM), 2.4 (SSO).
	15	02 10 01.6*	2.438	N	128.352	E	33	N	4.9		0.8	16	HALMAHERA
	15	03 00 10.7?	21.84	S	174.20	W	33	N	4.9	4.0	1.5	24	TONGA ISLANDS
	15	04 11 18.9?	51.25	N	177.96	E	33	N	4.5		1.3	13	RAT ISLANDS, ALEUTIAN ISLANDS
	15	07 13 08.1*	39.964	N	71.032	E	33	N	4.6	4.0	1.3	16	TAJIK SSR. Felt (V) at Isfara, Neftebad, Oftubruy, Shurab and Kanibadam; (III) at Fergana, Tashkent and Andizhan; (II) at Namangan.
	15	08 42 55.1&	62.822	N	148.195	W	54					38	CENTRAL ALASKA. <AGS-P>.
	15	09 57 59.8&	67.346	N	157.398	W	37					7	ALASKA. <AGS-P>.
	15	10 30 53.9	42.347	N	20.094	E	10	G			1.3	14	YUGOSLAVIA. ML 2.5 (TTG).
	15	11 10 17.4?	34.36	N	26.40	E	10	G			0.9	5	CRETE. MD 3.6 (ATH).
	15	12 10 17.7?	23.84	S	179.79	W	558	*	4.7		1.4	17	SOUTH OF FIJI ISLANDS
	15	12 11 54.7	51.625	N	174.280	W	33	N	4.9	4.4	1.0	73	ANDREANOF ISLANDS, ALEUTIAN IS.
	15	12 36 18.8*	29.923	S	70.143	W	33	N			1.0	10	CENTRAL CHILE
	15	12 42 14.2%	60.637	N	6.207	E	10	G			0.7	8	SOUTHERN NORWAY. MD 1.8 (BER).
	15	15 45 44.3*	45.698	N	11.096	E	10	G			1.1	6	NORTHERN ITALY. MD 2.5 (ROM).
a	15	15 51 58.6	6.800	N	73.019	W	162	D	5.1		0.9	218	NORTHERN COLOMBIA. Felt at Bogota, Bucaramanga, Medellin, Cucuta and Tunja.
	15	16 54 56.2?	51.04	N	177.90	E	33	N	4.4		1.4	8	RAT ISLANDS, ALEUTIAN ISLANDS
	15	16 59 41.0*	33.943	N	26.302	E	10	G			0.8	6	EASTERN MEDITERRANEAN SEA. MD 3.9 (ATH).
	15	18 14 26.9*	33.053	S	117.627	E	10	G			1.0	5	WESTERN AUSTRALIA
a	15	19 32 45.6	6.824	N	82.309	W	10	G	4.9	4.9	1.2	103	SOUTH OF PANAMA. Ms 5.1 (BRK).
	15	19 39 39.2%	15.944	N	60.966	W	24	*			0.2	6	LEEWARD ISLANDS. ML 2.1 (FDF).
	15	20 01 05.5%	60.720	N	5.524	E	10	G			0.5	8	SOUTHERN NORWAY. MD 1.6 (BER).
	15	20 08 50.3*	23.504	N	94.989	E	33	N			1.5	8	BURMA-INDIA BORDER REGION
	15	21 15 28.3	34.727	N	101.442	E	18	*	4.7	4.3	1.5	32	QINGHAI PROVINCE, CHINA
	15	21 38 48.7*	34.293	N	26.730	E	10	G			1.0	6	CRETE. MD 3.8 (ATH).
	15	22 00 56.7&	58.674	N	142.927	W	10	G				7	GULF OF ALASKA. <AGS-P>.
	15	22 22 14.9%	32.892	S	71.223	W	33	N			0.5	8	NEAR COAST OF CENTRAL CHILE
	15	22 41 33.9%	61.217	N	3.532	E	10	G			1.6	10	NORWEGIAN SEA. MD 1.9 (BER).
	15	23 07 39.0	15.916	N	60.959	W	10	G			0.8	8	LEEWARD ISLANDS. ML 2.8 (FDF).
	16	01 33 57.6&	61.421	N	152.041	W	106		3.5			29	SOUTHERN ALASKA. <AGS-P>.
	16	02 12 53.4	10.379	S	119.530	E	33	N	5.1		1.3	44	SUMBA ISLAND REGION
	16	04 15 40.1	44.826	N	9.040	E	10	G			0.6	10	NORTHERN ITALY. ML 2.6 (GEN). MD 2.2 (ROM).
	16	04 19 45.2	52.407	N	159.572	E	33	N	4.9	4.2	1.0	67	OFF EAST COAST OF KAMCHATKA
	16	07 00 47.5&	34.830	N	121.010	W	6	G				17	OFF COAST OF CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	16	07 08 28.4?	44.34	N	6.67	E	10	G			0.9	7	FRANCE
a	16	07 18 35.4	13.224	N	145.154	E	68		5.5		1.1	199	MARIANA ISLANDS. Felt (IV) on Guam.
	16	08 38 43.5&	37.037	N	121.477	W	7					14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	16	09 09 49.9%	41.681	N	13.694	E	10	G			1.3	5	SOUTHERN ITALY. MD 2.6 (ROM).
	16	09 26 30.8*	44.310	N	8.189	E	10	G			0.5	6	NORTHERN ITALY. ML 2.1 (GEN).
	16	09 27 42.5&	63.544	N	151.269	W	18					24	CENTRAL ALASKA. <AGS-P>. ML 3.7 (PMR).
	16	09 55 46.0*	44.233	N	7.434	E	10	G			0.7	5	NORTHERN ITALY. MD 2.5 (ROM).
	16	10 27 56.3	36.907	N	5.240	W	10	G			1.5	25	STRAIT OF GIBRALTAR. mbLg 3.7 (MDD). MD 3.5 (TAF). Felt (III) in the Algodonales-Ronda area, Spain.
	16	10 35 16.8	36.926	N	5.291	W	10	G			1.4	12	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
	16	10 36 59.6*	20.713	S	174.428	W	152	?	4.4		0.6	14	TONGA ISLANDS
	16	10 39 47.4%	36.831	N	5.301	W	10	G			1.0	5	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
a	16	10 51 21.5&	57.755	N	153.992	W	58		5.8			511	KODIAK ISLAND REGION. <AGS-P>. Slight damage (V) at Kodiak and Larsen Bay. Felt (IV) at Akhiok, Karluk and Port Lions; (III) at Homer, Kenai and Ninilchik. Depth 51.1 kilometers from broadband displacement seismograms
	16	11 16 22.2	48.053	N	6 656	E	10	G			0 4	6	FRANCE MD 1 0 (STR).
	16	12 18 42.7%	61.817	N	7 433	E	14				0 8	8	SOUTHERN NORWAY MD 1.9 (BER).
	16	13 06 16.3	36 849	N	5 222	W	10	G			1 0	16	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
	16	13 17 14.3&	57.683	N	154.157	W	41					14	KODIAK ISLAND REGION. <AGS-P>.
	16	14 47 48.6&	58.438	N	142.718	W	10	G				29	GULF OF ALASKA. <AGS-P>.
	16	14 53 53.1	39.143	N	99 457	W	5	G			0.7	14	KANSAS. mbLg 3 8 (NEIS), 3.6 (TUL). Felt (V) at Polca and Zurich
	16	15 35 28.4	50.841	N	6.228	E	10	G			0.3	8	GERMANY. ML 1.9 (JCK).
	16	16 44 46.6*	10.250	N	62.407	W	33	N			0.9	22	NEAR COAST OF VENEZUELA. ML 4.8 (FDF).
a	16	20 12 31.2	20.672	N	102.446	E	33	N	5.1	5.5	1.2	117	SOUTHEAST ASIA
	16	20 18 10.6*	34.424	N	22.830	E	10	G			1.4	19	MEDITERRANEAN SEA. ML 3.7 (ATH).
	16	20 28 44.7&	57.577	N	154.232	W	58		3.6			26	KODIAK ISLAND REGION. <AGS-P>.
	16	20 57 24.1	39.500	N	26.733	E	10	G			1.1	21	TURKEY. MD 3.5 (ATH).
	16	21 13 30.0	36.859	N	5.240	W	13				1.2	24	STRAIT OF GIBRALTAR. mbLg 3.5 (MDD). MD 3.5 (TAF). Felt at Ronda, Spain.
	16	21 22 23.4*	36.865	N	5.335	W	10	G			1.1	5	STRAIT OF GIBRALTAR
	16	21 24 14.2*	36.872	N	5.242	W	10	G			1.3	6	STRAIT OF GIBRALTAR
	16	22 16 11.5*	47.458	S	100.032	E	10	G	4.8		1.1	11	SOUTHEAST INDIAN RISE
	16	22 25 22.8&	45.705	N	111.368	W	1					12	MONTANA. <BUT>. ML 3.6 (BUT). Felt (III) at Belgrade, Ennis and Gallatin Gateway. Also felt in the Amsterdam area
	16	22 31 13.4*	40.793	N	29.287	W	10	G	4.3		1.0	11	AZORES ISLANDS REGION
	16	22 39 20.4	47.448	S	100.080	E	10	G	5.3		1.2	41	SOUTHEAST INDIAN RISE
	16	22 51 08.9*	47.492	S	100.156	E	10	G	5.4	5 4	1.4	37	SOUTHEAST INDIAN RISE
	16	23 30 52.3&	62.025	N	150 628	W	21					10	CENTRAL ALASKA <AGS-P>.
a	16	23 42 35.1	31.807	N	137.982	E	360	G	5	9	0.9	484	SOUTH OF HONSHU, JAPAN. mb 6.2 (BRK). Felt (III JMA) at

															Fukushima, Mito, Tateyama, Tokyo, Utsunomiya and Yokohama; (11 JMA) at Kumagaya and on Hachijo-jima; (1 JMA) at Kofu, Kawaguchi-ko, Mishima and on Oshima. Depth from broadband displacement seismograms.
	17	00	13	25.6*	2.902	S	143.462	E	33	N	5.3	4.7	1.4	39	PAPUA NEW GUINEA REGION
	17	00	48	01.7?	17.27	N	62.48	W	32	*			1.7	6	LEEWARD ISLANDS. ML 3.4 (FDF).
	17	01	04	17.3	51.469	N	174.115	W	33	N	4.8		0.7	70	ANDREANOF ISLANDS, ALEUTIAN IS.
	17	01	49	10.6	35.978	N	27.607	E	10	G			0.3	6	DODECANESE ISLANDS. MD 3.5 (ATH).
	17	04	00	49.4*	3.109	S	147.333	E	33	N	4.8	4.9	1.4	21	BISMARCK SEA
	17	04	38	25.6	41.807	N	142.695	E	63		4.3		0.8	15	HOKKAIDO, JAPAN REGION
	17	05	24	31.7%	34.027	S	70.810	W	33	N			0.9	9	CHILE-ARGENTINA BORDER REGION
	17	05	52	00.3*	45.159	N	6.507	E	10	G			0.2	8	FRANCE. ML 2.4 (GEN).
	17	07	47	03.2*	3.082	S	147.176	E	33	N	4.7	4.5	1.1	21	BISMARCK SEA
	17	08	31	10.0*	9.646	S	108.877	E	28	D	5.0	4.5	1.2	31	SOUTH OF JAVA
	17	10	06	31.5%	33.626	S	71.706	W	18	*			0.6	8	NEAR COAST OF CENTRAL CHILE
	17	10	09	16.6%	33.619	S	71.785	W	26				0.6	9	NEAR COAST OF CENTRAL CHILE
	17	10	14	39.3	60.879	N	3.677	E	10	G			1.2	10	NORTH SEA. MD 2.4 (BER).
	17	10	45	52.0	42.059	N	19.671	E	10	G			0.8	9	YUGOSLAVIA. MD 2.2 (TTG).
	17	11	26	09.8%	60.904	N	3.445	E	10	G			1.2	7	NORTH SEA. MD 1.6 (BER).
	17	12	21	46.2&	61.896	N	152.089	W	117					12	SOUTHERN ALASKA. <AGS-P>.
	17	13	16	35.2&	63.557	N	150.782	W	0					15	CENTRAL ALASKA. <AGS-P>.
	17	14	39	16.9*	12.318	N	143.735	E	12		5.0	3.9	1.2	43	SOUTH OF MARIANA ISLANDS
	17	14	57	48.4	31.419	S	67.550	W	28		5.3	4.5	0.9	78	SAN JUAN PROVINCE, ARGENTINA. Felt (V) at Caucete and (IV) at San Juan.
	17	15	30	02.4*	31.505	S	179.951	W	284	*	4.2		1.1	23	KERMADEC ISLANDS REGION
	17	15	36	08.6*	39.850	N	21.050	E	19	*			0.7	7	GREECE. MD 3.1 (ATH).
	17	16	52	54.9	29.856	N	59.706	E	33	N	4.8	4.6	1.1	124	SOUTHERN IRAN
	17	16	58	52.3%	33.549	S	71.370	W	33	N			0.4	10	NEAR COAST OF CENTRAL CHILE
	17	17	49	48.2*	38.849	N	23.319	E	10	G			1.0	8	GREECE. ML 3.3 (ATH).
	17	18	17	22.8	43.430	N	12.776	E	10	G			0.6	6	CENTRAL ITALY. MD 2.3 (ROM).
a	17	18	28	08.6	40.494	S	74.674	W	33	N	5.6	5.0	1.2	117	OFF COAST OF SOUTHERN CHILE
	17	19	24	36.0%	36.278	N	27.499	E	10	G			1.2	5	DODECANESE ISLANDS. MD 3.4 (ATH).
	17	19	47	01.0*	52.304	S	160.542	E	10	G	4.9	4.5	1.5	10	MACQUARIE ISLANDS REGION
	17	20	08	43.7	60.736	N	4.267	E	22	*			1.1	10	SOUTHERN NORWAY. MD 1.5 (BER).
a	17	20	47	14.6	1.437	S	24.169	W	10	G	5.1	4.9	1.1	144	CENTRAL MID-ATLANTIC RIDGE
	17	20	56	10.0	37.997	N	21.976	E	40	?	4.1		1.5	34	SOUTHERN GREECE. ML 3.9 (ATH).
	17	21	28	21.2%	59.859	N	5.930	E	10	G			1.1	6	SOUTHERN NORWAY. MD 1.5 (BER).
	17	22	13	37.1	50.331	N	7.366	E	10	G			0.9	10	GERMANY. ML 2.5 (JCK).
	17	23	02	51.9?	46.62	N	10.01	E	10	G			0.4	5	NORTHERN ITALY
	18	00	30	46.5	35.373	N	27.424	E	13				1.3	18	DODECANESE ISLANDS. ML 4.1 (ATH).
	18	01	07	31.3	44.554	N	6.883	E	10	G			0.4	18	FRANCE. ML 2.6 (GEN), 2.5 (LDG).
	18	01	58	30.3	2.502	N	126.581	E	33	N	5.0		1.2	44	MOLUCCA PASSAGE
	18	02	20	41.2*	23.207	S	70.003	W	103	?	4.3		1.3	8	NEAR COAST OF NORTHERN CHILE
	18	03	15	51.9	38.297	N	20.437	E	31		4.0		1.1	55	GREECE. ML 4.0 (ATH), 3.7 (ROM).
	18	04	00	31.1	36.864	N	5.253	W	10	G			1.3	15	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
	18	04	02	33.1&	58.479	N	152.699	W	56					21	KODIAK ISLAND REGION. <AGS-P>.
	18	04	16	49.7*	10.622	S	165.960	E	146	?	4.4		1.4	11	SANTA CRUZ ISLANDS
	18	04	38	13.9&	63.239	N	150.514	W	121					19	CENTRAL ALASKA. <AGS-P>.
	18	04	54	42.8*	18.211	S	177.911	W	424	*	4.6		1.5	31	FIJI ISLANDS REGION
	18	05	09	30.2	78.935	N	3.520	E	10	G	4.8	4.6	1.1	60	GREENLAND SEA
	18	05	54	58.8	44.408	N	14.879	E	10	G			1.5	62	ADRIATIC SEA. ML 3.8 (ROM), 3.7 (TTG), 3.6 (KBA). MD 3.8 (VKA). Felt in the Zadar area, Yugoslavia.
	18	06	09	39.0	41.241	N	19.355	E	10	G			1.4	39	ALBANIA. ML 3.7 (ROM). MD 3.6 (ATH), 3.0 (TTG).
	18	07	28	44.5?	59.97	N	2.79	E	10	G			0.9	8	NORTH SEA. MD 2.1 (BER).
	18	09	10	58.8%	60.006	N	6.623	E	19	*			0.2	7	SOUTHERN NORWAY. MD 1.3 (BER).
	18	09	32	32.3?	28.52	S	68.79	W	70	?			1.1	18	LA RIOJA PROVINCE, ARGENTINA
	18	09	45	47.8&	58.360	N	142.838	W	9					15	GULF OF ALASKA. <AGS-P>.
	18	10	47	37.0&	63.114	N	148.417	W	81					21	CENTRAL ALASKA. <AGS-P>.
	18	11	34	04.0?	40.26	N	125.01	W	10	G			0.4	6	OFF COAST OF NORTHERN CALIFORNIA. ML 3.1 (BRK).
	18	12	43	08.7&	63.840	N	148.417	W	102					19	CENTRAL ALASKA. <AGS-P>.
	18	12	44	41.3?	20.98	S	178.66	W	575	*	5.0		1.4	34	FIJI ISLANDS REGION
	18	13	09	37.9&	36.577	N	121.223	W	7					9	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
a	18	14	06	28.8	17.761	N	68.811	W	62	G	5.9		0.9	466	MONA PASSAGE. Ms 5.1 (BRK). Felt in the Daminican Republic and throughout Puerto Rico. Also felt at Caracas and in towns along the central coast of Venezuela. Depth from broadband displacement seismograms.
	18	14	51	56.6*	31.776	S	71.447	W	33	N			0.8	13	NEAR COAST OF CENTRAL CHILE
	18	15	07	22.1%	36.847	N	5.275	W	10	G			1.2	6	STRAIT OF GIBRALTAR
	18	15	40	45.4&	63.034	N	150.764	W	118					18	CENTRAL ALASKA <AGS-P>.
a	18	15	49	14.1	12.449	S	121.520	E	33	N	5.1	4.2	1.1	55	SOUTH OF TIMOR
	18	16	48	04.0	2.414	S	138.772	E	33	N	4.8	3.9	0.9	43	WEST IRIAN
	18	17	00	04.5*	5.162	N	125.771	E	33	N	4.8		1.4	30	MINDANAO, PHILIPPINE ISLANDS
	18	17	08	33.0&	37.580	N	118.688	W	3					19	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.1 (BRK), 3.1 (PAS).
	18	17	38	20.5*	6.745	S	147.707	E	55	*	4.9		1.4	25	EAST PAPUA NEW GUINEA REGION
	18	18	20	58.9%	36.866	N	5.237	W	10	G			1.5	6	STRAIT OF GIBRALTAR
	18	18	32	29.4	36.869	N	5.333	W	10	G			0.9	6	STRAIT OF GIBRALTAR
	18	18	57	29.5*	35.646	N	24.534	E	10	G			0.8	5	CRETE. MD 3.7 (ATH).
	18	19	04	03.5?	34.03	N	23.39	E	10	G			1.4	7	CRETE. MD 3.8 (ATH).
	18	19	28	29.1	2.671	S	139.781	E	33	N	4.5	3.8	1.4	26	NEAR N. COAST OF WEST IRIAN
	18	19	37	49.8&	58.115	N	154.535	W	86					17	ALASKA PENINSULA. <AGS-P>.
	18	20	06	17.1*	43.970	N	12.515	E	10	G			0.4	5	CENTRAL ITALY. MD 2.2 (ROM).
	18	20	38	37.3&	47.410	N	122.776	W	45		4.1			96	WASHINGTON. <SEA>. ML 4.4 (SEA). Felt (V) at Kingston and Paulsbo. Felt (IV) at Bremerton, Burley, Clinton, Dockton, Gig Harbor, Graham, Hansville, Indianola, Lakebay, Lilliwaup, Littlerock, Longbranch, Manchester, Matlock, Port Ludlow, Seattle, Seabeck, Sultan, Sumner, Suquamish, Tracyton, Vashon and Wilkeson. Felt as far as Sidney and Victoria, British Columbia, Canada.
	18	20	38	57.5?	45.52	N	9.12	E	10	G			1.4	5	NORTHERN ITALY. ML 2.1 (GEN). MD 1.8 (ROM).
	18	21	11	58.8*	2.023	N	79.017	W	33	N	4.7	4.2	1.4	17	SOUTH OF PANAMA
	18	21	16	51.0	15.900	N	95.431	W	38	*	5.0		1.2	78	NEAR COAST OF OAXACA, MEXICO

	18	22 55 36.3&	38.837	N	122.780	W	3					15	NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=1.2*10**14 Nm (BRK).
	18	23 44 35.5*	40.119	N	123.548	W	5	G			0.8	7	NORTHERN CALIFORNIA. ML 2.6 (BRK).
	19	00 23 14.4	40.279	N	25.132	E	10	G			1.0	15	AEGEAN SEA. MD 3.1 (ATH).
	19	01 09 28.2?	38.49	N	25.10	E	10	G			0.5	4	AEGEAN SEA. ML 2.8 (ATH).
	19	02 10 18.3*	2.404	N	126.592	E	99	?	4.7		1.1	28	MOLUCCA PASSAGE
	19	04 17 45.4	40.366	N	24.019	E	10	G			1.2	17	AEGEAN SEA. ML 3.5 (ATH).
	19	04 19 30.4?	13.11	N	90.27	W	33	N	4.8		1.2	29	NEAR COAST OF GUATEMALA
	19	04 53 56.3?	2.86	N	72.88	W	33	N			1.2	5	COLOMBIA
	19	06 03 52.8	5.584	N	74.386	W	117		4.4		0.9	25	COLOMBIA
	19	06 30 31.1	37.707	N	14.979	E	10	G			0.7	6	SICILY. MD 2.5 (ROM).
	19	06 33 18.4*	37.712	N	14.975	E	10	G			0.5	5	SICILY. MD 2.7 (ROM).
	19	06 35 12.6*	37.719	N	14.932	E	10	G			0.8	5	SICILY. MD 2.5 (ROM).
	19	06 41 47.5	37.750	N	14.952	E	10	G			1.2	7	SICILY. MD 2.8 (ROM).
	19	06 46 02.1*	37.721	N	14.936	E	10	G			0.9	5	SICILY. MD 2.7 (ROM).
	19	07 19 02.8*	6.173	S	130.214	E	108	?	4.6		1.0	18	BANDA SEA
	19	11 29 00.7*	40.160	N	113.026	E	10	G			1.1	5	NORTHEASTERN CHINA. ML 3.3 (BJI).
	19	12 17 55.8*	13.951	N	61.317	W	32	*			1.3	10	WINDWARD ISLANDS. ML 3.0 (FDF).
	19	12 40 16.1%	61.315	N	10.280	E	10	G			1.0	4	SOUTHERN NORWAY. MD 2.3 (BER).
	19	13 00 40.6	13.157	S	167.128	E	239	*	5.0		1.1	73	VANUATU ISLANDS
	19	13 24 36.2&	60.329	N	153.577	W	204					19	SOUTHERN ALASKA. <AGS-P>.
	19	15 35 06.0*	19.191	N	107.903	W	33	N	4.4		1.4	21	OFF COAST OF JALISCO, MEXICO
a	19	16 00 47.9	22.113	S	67.559	W	189	D	5.5		1.1	246	CHILE-BOLIVIA BORDER REGION
	19	16 24 33.3*	37.721	N	14.909	E	10	G			1.3	5	SICILY. MD 2.6 (ROM).
	19	18 03 27.0	37.129	N	27.868	E	10	G			1.5	8	TURKEY
	19	18 53 44.7?	21.29	S	69.03	W	177	?			1.6	8	NORTHERN CHILE
	19	19 10 42.3?	4.16	S	143.47	E	110	?	4.6		1.3	19	PAPUA NEW GUINEA
a	19	20 16 10.5	55.672	S	28.247	W	33	N	5.6	5.1	1.2	37	SOUTH SANDWICH ISLANDS REGION
	19	20 28 28.1?	34.18	S	71.16	W	33	N			0.6	8	NEAR COAST OF CENTRAL CHILE
	19	21 02 16.2&	38.835	N	122.785	W	4					13	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	19	21 10 21.7%	44.146	N	9.937	E	10	G			0.2	5	NORTHERN ITALY. MD 2.4 (ROM).
	19	21 22 12.5*	37.705	N	16.692	E	10	G			0.3	6	IONIAN SEA. MD 2.6 (ROM).
	19	23 52 01.1*	38.931	N	23.217	E	10	G			1.6	11	GREECE. ML 3.0 (ATH).
	20	01 36 47.0*	3.396	S	129.689	E	33	N	4.4		0.5	5	CERAM
	20	03 52 57.8	41.302	N	20.068	E	10	G			0.8	7	ALBANIA. ML 1.8 (SKO).
	20	04 06 58.4	40.849	N	20.373	E	10	G			1.1	8	GREECE-ALBANIA BORDER REGION. ML 2.2 (SKO).
	20	05 38 02.3*	44.207	N	11.441	E	10	G			0.8	6	NORTHERN ITALY. MD 2.3 (ROM).
a	20	05 41 43.5	52.334	N	174.184	E	48	D	5.2	4.3	0.9	231	NEAR ISLANDS, ALEUTIAN ISLANDS. ML 5.2 (PMR). Felt (IV) on Shemya.
	20	06 19 46.3	3.564	N	124.424	E	310	*	5.0		1.1	66	CELEBES SEA
	20	06 32 12.1	40.868	N	20.352	E	10	G			1.2	6	GREECE-ALBANIA BORDER REGION. ML 2.3 (SKO).
	20	11 57 25.0&	33.500	N	116.450	W	6	G				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt at Palm Springs.
	20	12 05 37.3&	63.305	N	149.591	W	92					12	CENTRAL ALASKA. <AGS-P>.
	20	16 38 25.3?	18.50	N	61.99	W	10	G			0.7	8	LEEWARD ISLANDS. ML 3.1 (FDF).
	20	17 35 23.4?	12.66	N	41.93	E	10	G			0.3	8	ETHIOPIA. ML 3.3 (ARO).
a	20	18 07 43.6	52.527	N	172.508	E	33	N	5.2	4.6	0.8	211	NEAR ISLANDS, ALEUTIAN ISLANDS. ML 4.9 (PMR). Felt (III) on Attu.
	20	19 41 18.4%	38.844	N	29.141	E	10	G			1.0	6	TURKEY
	20	21 11 51.2*	12.685	N	41.832	E	10	G			0.4	9	ETHIOPIA. ML 4.5 (ARO).
	20	21 28 08.1&	58.796	N	143.128	W	10	G				4	GULF OF ALASKA. <AGS-P>.
	20	21 49 49.9*	36.302	N	70.674	E	145	*	4.5		1.5	18	HINDU KUSH REGION
	20	22 04 16.9*	41.027	N	22.845	E	10	G			1.2	6	YUGOSLAVIA. ML 2.7 (SKO).
	20	23 24 44.7%	42.026	N	12.839	E	10	G			0.2	5	CENTRAL ITALY. MD 2.3 (ROM).
a	20	23 40 38.8	3.867	S	86.993	E	10	G	5.2	4.6	1.0	178	SOUTH INDIAN OCEAN
	20	23 55 50.4?	18.66	N	67.05	W	33	N			0.5	5	MONA PASSAGE
	21	00 07 07.6	1.458	N	126.408	E	46	*	5.0	5.0	1.3	69	MOLUCCA PASSAGE
	21	00 43 47.7	10.076	S	116.140	E	55	*	4.9		1.4	45	SOUTH OF SUMBAWA ISLAND
	21	00 59 18.0&	37.612	N	119.055	W	7					14	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK), 3.0 (PAS).
	21	01 28 53.4&	37.383	N	121.737	W	9					15	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=2.4*10**14 Nm (BRK). Felt (III) at San Jose.
	21	01 44 37.4?	40.83	N	14.86	E	10	G			1.1	4	SOUTHERN ITALY. MD 2.7 (ROM).
	21	02 09 59.9	16.834	N	62.336	W	33	N			0.7	9	LEEWARD ISLANDS. ML 2.9 (FDF).
	21	03 00 53.0*	44.809	N	146.189	E	219	*	4.3		0.8	32	KURIL ISLANDS
	21	04 53 33.2	35.118	N	45.868	E	33	N			1.0	9	IRAN-IRAQ BORDER REGION
	21	05 33 52.5*	21.419	N	144.283	E	33	N	4.3		1.3	12	MARIANA ISLANDS REGION
	21	06 21 35.9	36.388	N	69.663	E	33	N	4.2		0.7	10	HINDU KUSH REGION
	21	07 02 23.8?	18.65	N	67.06	W	33	N			0.3	4	MONA PASSAGE
	21	07 37 56.8	17.682	S	179.789	W	620		4.5		0.7	36	FIJI ISLANDS REGION
	21	08 52 43.6&	63.627	N	150.719	W	5					20	CENTRAL ALASKA <AGS-P> ML 3.0 (PMR)
	21	08 58 18.4*	52.362	S	160.350	E	10	G	5.2	4.7	1.1	28	MACQUARIE ISLANDS REGION
	21	10 37 22.5%	60.608	N	6.248	E	10	G			1.0	6	SOUTHERN NORWAY. MD 1.7 (BER).
	21	11 12 03.0&	60.120	N	147.035	W	6					28	SOUTHERN ALASKA. <AGS-P>.
	21	11 31 43.4?	9.13	S	112.40	E	43	?			0.6	5	SOUTH OF JAVA
	21	11 44 40.5	46.098	N	12.949	E	10	G			1.2	9	NORTHERN ITALY. MD 2.6 (ROM), 2.5 (TRI).
	21	12 24 36.5?	18.14	N	62.06	W	9				0.7	12	LEEWARD ISLANDS. ML 3.7 (FDF).
	21	13 13 34.3?	58.13	N	6.37	E	0	G			0.3	7	SOUTHERN NORWAY. MD 2.2 (BER). Probable explosion.
	21	13 30 36.6%	60.713	N	5.562	E	10	G			1.1	7	SOUTHERN NORWAY. MD 1.6 (BER).
	21	13 52 27.4&	63.029	N	150.677	W	108					22	CENTRAL ALASKA. <AGS-P>.
	21	15 46 27.8%	61.620	N	5.217	E	10	G			0.9	5	SOUTHERN NORWAY. MD 1.8 (BER).
	21	15 48 53.2*	8.106	N	126.836	E	33	N	4.6		0.8	19	MINDANAO, PHILIPPINE ISLANDS
	21	16 46 21.4%	38.294	N	15.043	E	10	G			0.6	6	SICILY. MD 2.6 (ROM).
	21	17 28 47.9*	53.561	S	157.171	E	10	G	4.8		1.5	12	MACQUARIE ISLANDS REGION
	21	19 06 21.7?	13.78	S	75.32	W	150	?			0.6	5	PERU
	21	20 42 25.1*	22.018	S	170.006	E	33	N	5.0	4.7	1.4	39	LOYALTY ISLANDS REGION
	21	21 34 48.6	36.078	N	139.853	E	33	N			0.7	11	HONSHU, JAPAN. MG 3.6 (JMA). Felt (II JMA) at Mito and Utsunomiyo.
	21	21 54 18 5&	41.708	N	112 373	W	8					13	UTAH. <SLC-P>. ML 4.1 (SLC). Felt (IV) at Howell and Riverside; (III) at Corinne, Garland and Plymouth. Also felt at Tremonton and at the Thiokol Plant.
	21	21 57 28.4%	38.821	N	15.519	E	176	?			0.6	9	SICILY. MD 2.7 (ROM).
	21	22 13 18 1*	4 800	S	102.915	E	77	*	4.8		0.9	37	SOUTHERN SUMATERA
	21	22 43 32.8	6.974	S	122.407	E	33	N	4.6	4.2	1.2	26	FLORES SEA

	21	23 10 36 1	44.726	N	6.800	E	10				1.0	12	FRANCE. ML 2.3 (LDG)
a	21	23 51 01.9	21 785	S	176 493	W	182	D	5.6		1.0	287	FIJI ISLANDS REGION
	22	00 32 28.9%	32.247	N	132.725	E	33	N			0.3	6	SHIKOKU, JAPAN
	22	01 12 02.9&	38 035	N	121.860	W	14					11	NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK).
	22	01 13 25.2&	38 037	N	121.862	W	16		4.0			40	NORTHERN CALIFORNIA. <BRK>. ML 4.3 (BRK). Mo=2.6*10**1 Nm (BRK). Felt (V) at Albany, Pittsburg, Rio Vista and Travis Air Farce Base. Felt (IV) at Antioch, Benicia, Birds Landing, Byron, Daly City, Isletan, Oakley, Part Costa, San Anselmo, San Pablo and South San Francisco. Felt from San Francisco to Vacaville to Stackton.
	22	01 29 23.1?	30.72	N	49.85	E	33	N	4.1		0.8	10	WESTERN IRAN
	22	02 37 21.7	45.702	N	26.622	E	108	*			0.9	16	ROMANIA
	22	03 08 14.5	37.601	N	141.341	E	59		4.6		1.1	48	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Fukushima, Mita, Onahama, Ofunato, Shirakawa and Utsunomiya.
	22	06 51 54.7?	39.60	N	21.69	E	10	G			1.3	5	GREECE
	22	06 53 04.4	40.241	N	21.514	E	10	G			1.3	15	GREECE. MD 3.6 (ATH).
	22	08 23 17.9&	60.445	N	142.869	W	2					21	SOUTHERN ALASKA. <AGS-P>.
	22	08 27 04.7*	5.393	S	152.404	E	58	*	4.8	3.9	1.0	20	NEW BRITAIN REGION
	22	08 39 27.3&	58.442	N	142.778	W	10	G				7	GULF OF ALASKA. <AGS-P>.
	22	10 07 10.3%	10.654	N	60.840	W	33	N			0.6	6	TRINIDAD
	22	10 44 08.7&	62.112	N	151.755	W	0					29	CENTRAL ALASKA. <AGS-P>. ML 3.3 (PMR).
	22	10 46 35.9?	61.32	N	6.78	E	10	G			1.5	4	SOUTHERN NORWAY. MD 2.1 (BER).
a	22	11 06 06.8	28.252	N	130.644	E	33	D	5.3		1.0	143	RYUKYU ISLANDS. Felt (I JMA) at Naze.
	22	11 12 54.9*	34.518	N	140.254	E	28	*	4.4		0.7	12	NEAR EAST COAST OF HONSHU, JAPAN
	22	12 04 55.7%	15.674	N	60.957	W	24	*			0.3	8	LEEWARD ISLANDS. ML 2.3 (FDF).
	22	12 05 58.2*	47.899	N	18.299	E	12				1.3	7	HUNGARY. ML 2.6 (BRA), 2.9 (VKA). Felt at Komarno, Marcelova and Hurbanovo, Czechoslavakia.
	22	12 11 17.4?	31.39	S	70.05	W	170	?			0.5	10	CHILE-ARGENTINA BORDER REGION
	22	12 25 25.6*	20.303	S	71.028	W	33	N	4.5		1.3	11	OFF COAST OF NORTHERN CHILE
	22	12 44 52.9*	16.803	N	62.240	W	33	N			1.3	9	LEEWARD ISLANDS. ML 3.0 (FDF).
	22	13 14 05.7&	61.801	N	149.464	W	12					8	SOUTHERN ALASKA. <AGS-P>.
	22	13 27 53.8	42.791	N	12.917	E	10	G			1.0	8	CENTRAL ITALY. MD 2.6 (SSO), 2.3 (ROM).
	22	13 45 54.4?	36.78	N	29.09	E	10	G			0.9	4	TURKEY
	22	14 04 54.9	47.989	N	6.659	E	12				0.9	11	FRANCE. ML 2.9 (LDG).
	22	14 34 58.0*	61.596	N	5.300	E	10	G			0.5	6	SOUTHERN NORWAY. MD 1.7 (BER).
	22	15 08 46.1	6.704	S	81.593	W	32	D	4.9		1.1	61	NEAR COAST OF NORTHERN PERU
	22	16 30 15.2&	60.470	N	142.933	W	0					15	SOUTHERN ALASKA. <AGS-P>.
	22	16 31 30.2%	38.264	N	15.043	E	10	G			0.2	5	SICILY. MD 2.4 (ROM).
	22	17 43 06.5&	60.233	N	152.430	W	82					21	SOUTHERN ALASKA. <AGS-P>.
	22	19 51 48.5	27.171	S	71.369	W	36	D	5.1		1.2	28	NEAR COAST OF NORTHERN CHILE
	22	21 06 01.8*	30.395	N	114.262	W	10	G	4.6		1.3	21	GULF OF CALIFORNIA
	22	21 15 00.8&	37.283	N	116.412	W	0		5.3	4.8		221	SOUTHERN NEVADA. <DOE>. ML 5.2 (BRK). 37' 16' 58.35" N., 116' 24' 44.30" W., Surface Elev. 2007 m., Depth of Burial 500 m., Shot Time 211500.83, "CONTACT," Nevada Test Site (Dept. of Energy).
	22	21 28 51.4*	29.786	N	114.204	W	10	G	4.0		1.2	15	BAJA CALIFORNIA
	22	21 44 13.9*	51.585	N	16.072	E	10	G			0.6	10	POLAND. ML 2.9 (VKA).
	22	22 07 33.0&	61.224	N	152.413	W	126					12	SOUTHERN ALASKA. <AGS-P>.
	22	22 15 45.8*	30.333	N	114.252	W	10	G	4.5		0.9	13	GULF OF CALIFORNIA
	22	22 28 29.5%	37.748	N	15.079	E	10	G			1.2	5	SICILY. MD 2.7 (ROM).
	23	00 27 25.2%	37.754	N	14.447	E	10	G			1.1	5	SICILY. MD 2.4 (ROM).
	23	00 32 14.4	40.697	N	22.823	E	10	G			0.7	7	GREECE. MD 3.2 (ATH). ML 3.0 (SKO).
a	23	00 35 42.6*	17.098	S	172.656	W	33	N	4.9	5.0	1.1	76	TONGA ISLANDS REGION
	23	00 51 45.9*	30.188	N	114.292	W	10	G	4.5		1.3	28	GULF OF CALIFORNIA
	23	03 23 38.9*	34.304	N	24.327	E	33	N	4.0		0.9	12	CRETE. MD 4.2 (ATH).
	23	04 22 04.8?	10.14	S	162.78	E	135	?			0.5	5	SOLOMON ISLANDS
	23	05 35 51.0*	40.130	N	20.789	E	10	G			1.4	6	GREECE-ALBANIA BORDER REGION. ML 2.8 (SKO).
	23	06 28 43.7*	39.230	N	30.413	E	10	G			1.4	8	TURKEY
	23	07 08 24.3	17.144	N	62.290	W	33	N			0.4	7	LEEWARD ISLANDS. ML 2.8 (FDF).
	23	07 17 26.6*	37.273	N	20.591	E	25		3.7		1.1	26	IONIAN SEA. ML 3.6 (ATH), 3.4 (ROM).
	23	07 19 12.7	45.306	N	6.573	E	10	G			0.3	17	FRANCE. ML 2.8 (LDG).
	23	08 08 31.6&	58.269	N	143.031	W	10	G				11	GULF OF ALASKA. <AGS-P>.
	23	08 43 09.0	17.799	N	65.604	W	15		4.5		1.0	34	PUERTO RICO REGION
	23	08 47 14.4	46.035	N	14.355	E	10	G			0.4	9	YUGOSLAVIA. MD 2.9 (LJU), 2.6 (ROM).
	23	08 51 07.5*	17.973	N	65.864	W	10	G			0.6	6	PUERTO RICO REGION
	23	08 54 40.0*	17.812	N	65.608	W	10	G			1.3	8	PUERTO RICO REGION
	23	09 02 51.9*	14 251	N	91 177	W	95	*	4.3		1 4	26	GUATEMALA
	23	09 08 18 5?	17 97	S	178 73	W	651	?	4.8		0 7	17	FIJI ISLANDS REGION
	23	09 54 21 4	44 409	N	8 316	E	10	G			0 7	19	NORTHERN ITALY. ML 2.7 (GEN). MD 2.5 (ROM).
	23	10 11 43 8?	44 24	N	7 44	E	10	G			0 1	4	NORTHERN ITALY
	23	10 16 15.8*	18 117	N	66.167	W	10	G			1.0	5	PUERTO RICO REGION
	23	11 02 51 7%	60 637	N	6.246	E	10	G			0 5	8	SOUTHERN NORWAY. MD 2.0 (BER).
	23	11 44 45 9?	0 33	N	125.55	E	33	N			1 4	5	MOLUCCA PASSAGE
a	23	12 00 53.2	22.311	N	142.996	E	170	D	5.3		1.1	171	VOLCANO ISLANDS REGION
	23	12 19 19.7	37.808	N	29.228	E	10	G			1.4	8	TURKEY
	23	12 27 58.4%	61.626	N	5.279	E	10	G			1.0	8	SOUTHERN NORWAY. MD 1.8 (BER).
	23	12 39 05.7?	43.38	N	14.35	E	10	G			1.0	8	ADRIATIC SEA. MD 2.7 (SSO).
	23	14 01 47.7?	21.71	S	175.74	W	211	?	4.3		0.9	8	TONGA ISLANDS
	23	14 09 13.8?	40.63	S	175.45	E	33	N			1.1	6	NORTH ISLAND, NEW ZEALAND
	23	14 41 55.3*	50.682	N	6.014	E	10	G			1.5	5	GERMANY
	23	15 03 24.5?	8.04	S	129.37	E	173	?			1.1	7	TIMOR SEA
	23	15 47 20.6	32.014	N	54.442	E	33	N			0.8	10	IRAN. ML 4.0 (BMU).
	23	15 55 02.4?	17.94	N	65.81	W	10	G			0.5	5	PUERTO RICO REGION
	23	16 26 19.1?	44 38	N	7.28	E	10	G			0.0	4	NORTHERN ITALY. ML 1.8 (GEN).
	23	16 37 56.8	57.925	S	25.382	W	33	N	5.3		0 9	45	SOUTH SANDWICH ISLANDS REGION
	23	17 53 23 2%	37 787	N	29.205	E	10	G			0 6	5	TURKEY
	23	18 49 24.0*	2.754	S	141.750	E	10	G	3.7		0 7	8	NEAR N COAST OF PAPUA NEW GUINEA
	23	19 59 43 7	38.289	N	140.845	E	20		4.5		1 1	22	HONSHU, JAPAN. Felt (III JMA) at Sendai, (II JMA) ot Yamagata and (I JMA) ot Ishinomaki and Shirakawa.
	23	20 04 50.4	39.675	N	20.265	E	24		3.8		1 3	53	GREECE-ALBANIA BORDER REGION. ML 4.0 (ATH), 3.7 (TTG). Felt (IV) at Koraq, Grave, Grazhdan and Zminic, Albonio

	23	22 37 53.2	51.608	N	16.122	E	5				0.5	19	POLAND. ML 3.9 (GRF), 3.8 (VKA), 3.5 (KBA).
	23	23 21 15.7?	50.43	S	164.74	E	10	G	4.4	4.7	1.1	12	AUCKLAND ISLANDS REGION
	24	00 15 53.7?	32.90	N	88.52	E	10	G			1.2	7	TIBET
	24	02 21 03.6%	37.904	N	14.665	E	17	*			1.5	8	SICILY. MD 2.7 (ROM).
	24	02 34 18.6	37.882	N	14.785	E	10	G			1.1	12	SICILY. MD 2.9 (ROM).
a	24	03 09 57.5	36.719	N	35.943	E	42		4.9	4.2	1.0	220	TURKEY
	24	03 38 22.9*	38.985	S	14.713	W	10	G	5.0		1.0	45	TRISTAN DA CUNHA REGION
	24	04 45 47.4*	41.062	S	88.302	W	10	G	5.0	4.4	1.1	21	WEST CHILE RISE
	24	05 49 35.4%	37.893	N	14.705	E	14				0.9	14	SICILY. MD 3.1 (ROM).
	24	06 09 17.2*	34.002	S	70.133	W	10	G			0.3	9	CHILE-ARGENTINA BORDER REGION
	24	06 11 00.3	39.193	N	26.505	E	10	G			1.2	13	TURKEY. MD 3.4 (ATH).
	24	07 13 27.0*	3.800	N	126.416	E	116	?	4.1		1.0	10	TALAUD ISLANDS
	24	08 27 18.7?	34.75	N	139.33	E	27	*			0.6	6	NEAR S. COAST OF HONSHU, JAPAN. MG 3.1 (JMA). Felt (I JMA) on Oshima.
	24	09 24 49.8	43.504	N	110.758	W	5	G			0.7	33	WYOMING. ML 3.8 (NEIS). Felt strongly at Jockson. Felt (III) at Kelly.
	24	10 04 10.4	33.527	S	71.012	W	67	?			0.1	10	NEAR COAST OF CENTRAL CHILE
	24	10 25 06.0	43.515	N	110.772	W	5	G			0.8	33	WYOMING. ML 3.7 (NEIS). Felt strongly at Jackson.
	24	10 33 41.9?	17.86	N	65.72	W	10	G			0.2	5	PUERTO RICO REGION
	24	10 59 35.7	41.902	N	20.237	E	10	G			1.4	7	ALBANIA
	24	11 02 09.1&	61.778	N	149.884	W	38					27	SOUTHERN ALASKA. <AGS-P>.
	24	11 14 44.6?	20.54	S	179.10	W	686	?	4.2		0.6	14	FIJI ISLANDS REGION
	24	11 17 26.1*	35.038	N	24.289	E	10	G	4.0		1.2	12	CRETE. MD 3.9 (ATH).
	24	11 37 10.4?	26.57	N	142.30	E	33	N	4.5		0.8	7	BONIN ISLANDS REGION
	24	12 13 35.1%	61.758	N	7.487	E	10	G			1.2	10	SOUTHERN NORWAY. MD 2.1 (BER).
	24	12 40 04.3*	29.739	S	179.147	W	284	*	3.9		0.9	20	KERMADEC ISLANDS REGION
a	24	12 58 39.0	28.336	S	66.312	W	22	D	5.4	5.2	1.0	172	CATAMARCA PROVINCE, ARGENTINA. Felt in Catamarca, Cordoba, La Rioja, Santiago del Estero and Tucuman Provinces.
	24	14 03 56.0	5.635	N	124.982	E	67	*	4.9		1.0	64	MINDANAO, PHILIPPINE ISLANDS
	24	14 10 32.2&	61.684	N	150.012	W	46					8	SOUTHERN ALASKA. <AGS-P>.
	24	15 01 26.8	37.082	N	28.084	E	34		4.3		1.1	82	TURKEY. ML 4.2 (ATH).
	24	15 02 07.7	1.974	N	79.066	W	25	D	5.3	4.6	1.1	180	NEAR COAST OF ECUADOR. Felt in southwestern Colombia.
	24	15 12 33.4*	26.605	N	142.365	E	33	N	4.7	3.9	0.9	17	BONIN ISLANDS REGION
	24	17 47 09.2	43.480	N	126.863	W	10	G	4.0		0.7	36	OFF COAST OF OREGON
	24	17 53 08.3	43.522	N	110.752	W	5	G			0.2	21	WYOMING. ML 3.0 (NEIS).
	24	18 07 15.8&	61.736	N	150.967	W	66					6	SOUTHERN ALASKA. <AGS-P>.
	24	18 20 12.6%	36.888	N	5.273	W	10	G			1.5	11	STRAIT OF GIBRALTAR
	24	18 25 21.1%	36.839	N	5.202	W	10	G			1.1	10	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
	24	18 46 41.2%	36.827	N	5.287	W	10	G			1.4	5	STRAIT OF GIBRALTAR
	24	18 49 20.8%	36.807	N	5.189	W	10	G			0.8	4	STRAIT OF GIBRALTAR
	24	19 13 55.0?	47.51	N	155.34	E	33	N	4.6		1.5	8	KURIL ISLANDS REGION
	24	19 14 16.8&	63.140	N	149.565	W	89					17	CENTRAL ALASKA. <AGS-P>.
	24	19 36 30.6?	36.80	N	5.18	W	10	G			0.7	4	STRAIT OF GIBRALTAR
	24	20 32 51.7	43.515	N	110.753	W	5	G			0.2	19	WYOMING. ML 3.0 (NEIS).
	24	20 39 40.2?	16.81	S	173.87	W	70	?	4.4		1.0	17	TONGA ISLANDS
	24	21 00 44.7	41.958	N	20.365	E	10	G			0.9	6	ALBANIA. ML 2.3 (SKO).
	24	21 21 01.1&	61.067	N	149.720	W	47					15	SOUTHERN ALASKA. <AGS-P>.
	25	00 36 25.1*	51.880	N	170.356	W	33	N	4.7		0.8	46	FOX ISLANDS, ALEUTIAN ISLANDS
	25	00 42 20.2&	40.448	N	124.700	W	22					12	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	25	01 08 27.7	40.637	N	22.672	E	9				1.0	11	GREECE. MD 3.2 (ATH).
	25	01 52 23.5*	37.176	N	142.054	E	39	*	4.8		1.3	44	OFF EAST COAST OF HONSHU, JAPAN
	25	02 22 49.7	40.812	N	19.803	E	10	G			0.9	9	ALBANIA. MD 3.1 (ATH), 2.8 (ROM). ML 2.7 (SKO).
	25	02 36 28.8&	63.367	N	149.632	W	103		3.8			45	CENTRAL ALASKA. <AGS-P>. Felt (II) at Cantwell.
	25	03 00 47.6	39.716	N	26.141	E	9				1.2	9	TURKEY. MD 2.9 (ATH).
	25	03 33 09.6*	43.168	N	145.022	E	104		4.1		0.6	9	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Nemuro and Kushiro.
	25	04 48 01.8*	18.940	S	169.345	E	255	*	4.8		1.0	16	VANUATU ISLANDS
	25	05 17 15.8*	10.751	N	85.851	W	59	*	4.3	3.7	1.1	20	COSTA RICA
	25	06 18 21.2	42.797	N	13.047	E	7				1.0	23	CENTRAL ITALY. MD 3.0 (SSO), 2.9 (ROM).
	25	06 22 38.4	12.464	N	143.333	E	20		5.0	4.5	0.8	73	SOUTH OF MARIANA ISLANDS
	25	06 26 10.9*	42.798	N	12.977	E	10	G			0.3	5	CENTRAL ITALY. MD 2.2 (SSO), 2.1 (ROM).
	25	06 35 53.1	18.633	S	178.167	W	487		4.8		0.8	61	FIJI ISLANDS REGION
	25	06 41 16.1	33.269	S	68.492	W	10	G	4.5		1.0	22	MENDOZA PROVINCE, ARGENTINA. Felt (IV) at Mendoza.
	25	06 50 05.1*	42.816	N	12.989	E	10	G			0.3	5	CENTRAL ITALY. MD 2.1 (SSO).
	25	06 52 12.7	38.426	N	118.404	W	5	G	3.7		1.0	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.7 (NEIS), 3.0 (PAS).
	25	06 54 07.2&	62.992	N	150 499	W	98					34	CENTRAL ALASKA. <AGS-P>.
	25	08 09 49 1	42 803	N	13 000	E	10	G			0 2	5	CENTRAL ITALY. MD 2.3 (ROM), 2.3 (SSO).
	25	08 47 45 7?	39 53	N	26 05	E	10	G			1 4	5	TURKEY
	25	09 06 38.2	32 968	N	39 668	W	10	G	4.9	4.3	0.8	125	NORTH ATLANTIC RIDGE
	25	09 10 46 1	46.357	N	153.391	E	33	N	4.9		1.0	62	KURIL ISLANDS
	25	09 13 21.1*	37.786	N	141.128	E	33	N			0.3	7	NEAR EAST COAST OF HONSHU, JAPAN
	25	09 31 24.5&	61.937	N	150.406	W	0					24	SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR). Felt (IV) at Willow.
	25	09 36 27.7&	38.018	N	122.308	W	8					9	NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK). Mo=1.6*10**14 Nm (BRK). Felt (IV) at Hercules and San Pablo. Also felt at Pinole and Richmond.
	25	09 50 01.9*	21.454	N	93.492	E	60	*	4.5		1.1	10	BURMA
	25	10 44 52.0&	59.883	N	153.324	W	119					16	SOUTHERN ALASKA. <AGS-P>.
	25	11 15 59.3	32.912	N	39.609	W	10	G	5.2	4.6	0.7	224	NORTH ATLANTIC RIDGE
a	25	12 30 05.9	6.113	S	149.062	E	72	*	5.2		1.1	78	NEW BRITAIN REGION
	25	12 37 41.3*	38.798	N	31.712	E	10	G			1.0	6	TURKEY
	25	12 48 05.0?	10.58	S	120.88	E	33	N	5.1		1.2	6	SUMBA ISLAND REGION
	25	12 54 27.3?	17.07	N	101.44	W	33	N	3.8		1.0	7	NEAR COAST OF GUERRERO, MEXICO
	25	14 13 03.5*	35.517	N	27.486	E	10	G			0.5	5	DODECANESE ISLANDS. MD 3.7 (ATH).
	25	14 13 40 6	44.500	N	7.115	E	10				0.2	8	NORTHERN ITALY
	25	14 32 36.1?	38.32	N	24.02	E	10	G			0.4	4	AEGEAN SEA. ML 2.7 (ATH).
	25	15 03 17.9%	32.046	N	35.857	E	10	G			1.1	5	DEAD SEA REGION
	25	16 11 54.1	40.679	N	22.687	E	5				1.2	17	GREECE. MD 3.4 (ATH).
	25	16 13 03 0	42.819	N	12.992	E	10	G			0.8	7	CENTRAL ITALY. MD 2.5 (SSO), 2.4 (ROM).
	25	17 52 34 7	40 422	N	27.640	E	10	G			1 2	8	TURKEY
	25	18 16 33.8&	59.962	N	153.496	W	143					8	SOUTHERN ALASKA. <AGS-P>.

	25	19	34	30.1*	28.034	S	67.207	W	259 *	4.7	1.2	18	LA RIOJA PROVINCE, ARGENTINA
	25	19	50	05.0?	37.73	S	176.13	E	334 ?		0.3	20	NORTH ISLAND, NEW ZEALAND
f	25	20	37	32.4	1.134	N	79.616	W	15 G	5.9 6.1	1 0	364	NEAR COAST OF ECUADOR. Ms 6.0 (BRK), 6.0 (PAS). Thirty people injured and 12 homes damaged (VII) in the Esmeraldas area. Felt (III) at Guayaquil and (II) at Quito. Felt throughout Ecuador and southwestern Colombia. Depth from broadband displacement seismograms.
	25	20	43	34.5	42.821	N	12.963	E	10 G		1.2	7	CENTRAL ITALY. MD 2.3 (ROM), 2.3 (SSO).
	25	21	00	23.7*	37.155	N	72.075	E	243 ?	4.1	1.3	11	TAJIK SSR
	25	21	57	38.2	42.824	N	12.985	E	10 G		0.8	6	CENTRAL ITALY. MD 2.5 (ROM), 2.5 (SSO).
	25	22	55	06.7	41.065	N	20.068	E	10 G		1.0	10	ALBANIA. ML 2.4 (ROM).
	25	23	56	39.5&	58.284	N	142.768	W	10 G	4.1		35	GULF OF ALASKA. <AGS-P>. ML 4.1 (PMR).
	26	00	25	44.0	44.480	N	7.437	E	33 N		0.7	25	NORTHERN ITALY. ML 3.0 (LDG), 3.0 (ROM).
	26	00	52	11.6?	32.73	S	70.90	W	71 ?		0.4	10	CHILE-ARGENTINA BORDER REGION
	26	02	27	17.4*	38.049	N	16.738	E	33 N		0.4	7	SOUTHERN ITALY
	26	02	28	50.1*	17.739	N	65.646	W	10 G		0.7	8	PUERTO RICO REGION
f	26	03	27	03.9&	19.362	N	155.083	W	9	5.8 6.1		302	HAWAII. <HVO-P>. MD 6.2 (HVO). Ms 6.2 (BRK), 6.2 (PAS). Five people injured slightly, 5 homes destroyed and about 100 homes damaged in the Puna District. Landslides occurred in several places and blocked a road at Honomu. Slight damage (VI) at Hawaii National Park, Hilo, Honomu and Keaau. Felt (V) at Honokaa, Kapaau, Kurtistown, Ninole, Oakala, Paauhau and Volcano; (IV) at Hakalau, Hawi, Halualaa, Honaunau, Laupahoehae and Pohala. Felt throughout the island of Hawaii. Also felt on Maui and Oahu. A small tsunami was generated with maximum wave heights (peak-to-trough) of 57 cm. at Honuapo, 21 cm. at Kapaha and 14 cm. at Hilo. Two events about 5 seconds apart, observed on broadband displacement seismograms.
	26	03	41	03.2*	41.883	N	22.090	E	10 G		0.7	5	YUGOSLAVIA. ML 1.9 (SKO).
	26	03	44	00.1*	37.587	N	31.427	E	10 G		1.0	6	TURKEY
	26	04	37	52.8*	17.839	N	65.626	W	12 *		0.3	6	PUERTO RICO REGION
	26	05	42	09.3?	43.50	N	19.27	E	10 G		0.7	5	YUGOSLAVIA. ML 2.2 (TTG).
	26	05	58	50.4*	38.756	N	31.859	E	10 G		1.5	8	TURKEY
	26	06	06	10.6&	19.368	N	154.974	W	4			34	HAWAII. <HVO-P>. MD 4.4 (HVO).
	26	06	52	28.1?	32.76	S	68.85	W	33 N		1.2	10	MENDOZA PROVINCE, ARGENTINA
	26	07	29	07.0	44.666	N	7.224	E	10 G		0.2	13	NORTHERN ITALY
	26	07	52	03.4*	38.825	N	31.663	E	10 G		0.4	5	TURKEY
	26	08	38	30.4*	37.653	N	20.674	E	10 G		1.0	7	IONIAN SEA. ML 3.5 (ATH).
	26	08	51	25.7?	52.24	N	159.52	E	33 N	4.7	0.5	11	OFF EAST COAST OF KAMCHATKA
	26	09	10	37.2	32.947	N	39.559	W	10 G	4.9 4.2	0.6	40	NORTH ATLANTIC RIDGE
	26	09	39	43.9*	38.762	N	31.880	E	10 G		1.2	7	TURKEY
	26	09	58	29.5?	44.22	N	7.46	E	10 G		0.4	4	NORTHERN ITALY. MD 2.4 (ROM).
a	26	10	38	39.4	39.112	N	28.242	W	11 G	5.7 5.7	1.1	390	AZORES ISLANDS. Ms 5.4 (BRK). Several people injured slightly and minor damage (VI) on Graciosa. Felt (V) on Terceira and (IV) on Faial, Pica and Sao Jorge. Depth from broadband displacement seismograms.
	26	11	18	13.5	31.466	S	138.368	E	10 G		1.3	14	SOUTH AUSTRALIA
	26	12	21	07.6*	6.833	N	73.009	W	163 *	4.7	1.1	15	NORTHERN COLOMBIA
	26	13	07	06.3*	11.836	S	117.321	E	33 N	3.9	0.8	7	SOUTH OF SUMBAWA ISLAND
	26	13	59	42.9*	30.691	N	142.499	E	10 G	4.7	1.0	11	SOUTH OF HONSHU, JAPAN
	26	14	01	14.5*	2.322	S	79.329	W	114 *	4.8	0.9	23	NEAR COAST OF ECUADOR
	26	14	20	45.8*	10.263	N	122.326	E	33 N	4.7	0.4	11	PANAY, PHILIPPINE ISLANDS
	26	14	59	41.8	35.681	N	70.543	E	118 *	4.9	1.0	116	HINDU KUSH REGION. Felt (II) at Kharag and Dushanbe, USSR. Felt at Peshawar, Pakistan.
	26	16	27	25.9&	61.969	N	151.003	W	75			17	SOUTHERN ALASKA. <AGS-P>.
	26	16	52	46.1%	43.214	N	0.169	E	10 G		0.9	6	FRANCE. ML 3.3 (LDG).
	26	16	57	20.9	46.274	N	7.333	E	14		1.2	10	SWITZERLAND
	26	18	13	47.8	20.031	S	133.743	E	5 G		1.2	15	NORTHERN TERRITORY, AUSTRALIA. ML 4.2 (OIS).
	26	18	39	42.9*	36.556	N	70.113	E	188 ?	4.5	1.2	15	HINDU KUSH REGION
	26	18	39	59.8?	36.06	N	21.07	E	10 G		1.2	8	SOUTHERN GREECE. MD 3.5 (ATH).
	26	18	52	27.8&	19.339	N	154.956	W	2			34	HAWAII. <HVO-P>. MD 4.2 (HVO).
	26	19	03	45.1?	38.01	N	21.24	E	10 G		1.0	8	GREECE. ML 3.5 (ATH).
	26	21	40	30.6	39.023	N	75.274	E	22 *	4.2	1.2	24	SOUTHERN XINJIANG, CHINA
	26	22	53	41.7*	28.452	N	51.426	E	33 N	4.3	1.1	17	SOUTHERN IRAN
	26	23	09	06.7&	37.128	N	121.517	W	7			10	CENTRAL CALIFORNIA. <BRK>. ML 2 7 (BRK).
	26	23	23	57.3	14 637	N	60 360	W	43 ?		0.6	19	WINDWARD ISLANDS Felt (II) on Martinique
	26	23	55	57.0	34.305	N	70 775	E	33 N	4.5	0.9	29	AFGHANISTAN
	27	02	25	59.9&	62 742	N	150.721	W	89			36	CENTRAL ALASKA. <AGS-P>.
	27	02	45	49.4&	61.463	N	151.523	W	82			14	SOUTHERN ALASKA. <AGS-P>.
	27	06	37	55.5	18.529	S	174 832	W	188 ?	4.7	1.1	29	TONGA ISLANDS
a	27	07	10	22.6	51.568	N	174 339	W	33 N	5.2 5.0	1.1	161	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR) Felt (IV) on Adak.
	27	07	16	46.1	51.522	N	174.391	W	33 N	4.8 4.6	0.7	44	ANDREANOF ISLANDS, ALEUTIAN IS.
	27	07	17	24.5*	51.834	N	174.326	W	33 N	4.9	0.5	25	ANDREANOF ISLANDS, ALEUTIAN IS.
	27	08	10	17.0	15.940	S	75.086	W	34	4.8 4.2	1.0	40	NEAR COAST OF PERU
	27	08	23	54.7%	17.586	N	94.510	W	33 N		1.4	5	CHIAPAS, MEXICO
	27	08	47	24.1%	60.692	N	5.510	E	10 G		1.0	8	SOUTHERN NORWAY. MD 1.7 (BER).
	27	09	05	48.1&	62.153	N	149.614	W	44			20	CENTRAL ALASKA. <AGS-P>.
	27	09	07	29.1?	17.85	N	65.66	W	10 G		0.2	5	PUERTO RICO REGION
	27	09	18	04.5	42.902	N	13.035	E	10 G		0.2	6	CENTRAL ITALY. MD 2.4 (ROM), 2.4 (SSO).
	27	09	24	22.3*	37.413	N	142.078	E	33 N		0.9	11	OFF EAST COAST OF HONSHU, JAPAN
	27	10	08	56.9%	61.611	N	5.217	E	10 G		0.9	9	SOUTHERN NORWAY. MD 2.1 (BER).
	27	10	59	34.1	51.522	N	174 342	W	33 N	4.9 4.3	0.8	72	ANDREANOF ISLANDS, ALEUTIAN IS
	27	11	26	46.2*	22.594	S	175 448	W	117 ?	4.9	1.1	22	TONGA ISLANDS REGION
	27	11	57	48.9?	17.90	N	65 82	W	10 G		0.2	4	PUERTO RICO REGION
	27	12	29	01.8%	42.727	N	19.127	E	10 G		0.7	5	YUGOSLAVIA. ML 2.7 (TTG).
	27	14	12	26.1*	32.056	N	96.633	E	33 N	4.2	1.4	5	QINGHAI PROVINCE, CHINA
	27	14	47	03.2&	60.128	N	152.819	W	113			14	SOUTHERN ALASKA. <AGS-P>.
	27	15	30	00.0&	37.275	N	116.354	W	0	4 9		102	SOUTHERN NEVADA <DOE> ML 4.8 (BRK). 37° 16' 31 65" N., 116° 21' 12.81" W , Surface Elev. 2046 m., Depth of

													Burial 600 m., Shot Time 153000 020, "AMARILLO," Nevada Test Site (Dept. of Energy).
	27	15	51	49.6&	41.795	N	112.734	W	6			6	UTAH. <SLC-P>. ML 3.0 (SLC).
	27	16	28	29.2&	41.795	N	112.729	W	6			6	UTAH. <SLC-P>. ML 2.9 (SLC).
	27	16	37	47.5&	59.265	N	153.037	W	79			13	SOUTHERN ALASKA. <AGS-P>.
	27	17	01	36.7	42.063	N	142.633	E	63	4.0	1.2	18	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakawa and Hiroa.
	27	17	09	21.2?	10.56	N	61.84	W	10 G		0.8	5	TRINIDAD
	27	17	26	33.6*	36.916	N	71.448	E	33 N	4.5	1.3	11	AFGHANISTAN-USSR BORDER REGION
a	27	17	43	09.0?	63.72	S	156.10	W	10 G	5.4 5.5	1.3	23	SOUTH PACIFIC CORDILLERA
	27	18	06	44.1%	15.216	N	60.497	W	10 G		0.4	7	LEEWARD ISLANDS. ML 2.6 (FDF).
	27	18	20	00.5&	59.571	N	153.025	W	96			20	SOUTHERN ALASKA. <AGS-P>.
	27	18	40	26.3?	32.14	S	71.64	W	33 N		0.7	10	NEAR COAST OF CENTRAL CHILE
	27	18	40	46.0*	42.554	N	145.746	E	33 N	4.5	1.3	12	HOKKAIDO, JAPAN REGION
	27	19	52	59.1%	10.684	N	61.712	W	33 N		1.3	5	TRINIDAD
	27	20	26	45.7*	3.368	S	132.146	E	33 N	3.5	1.2	5	WEST IRIAN REGION
	27	21	48	49.0&	61.265	N	152.039	W	109			30	SOUTHERN ALASKA. <AGS-P>.
	27	22	15	20.7?	41.67	N	12.70	E	10 G		0.8	4	SOUTHERN ITALY. MD 2.2 (ROM).
	27	23	12	23.3&	58.217	N	142.715	W	10 G			20	GULF OF ALASKA. <AGS-P>.
	27	23	24	01.5&	57.986	N	143.795	W	10 G			11	GULF OF ALASKA. <AGS-P>.
	28	00	01	55.1?	11.51	N	60.07	W	10 G		0.2	7	WINDWARD ISLANDS
	28	00	14	58.6?	45.99	N	150.63	E	33 N	4.8 4.0	1.1	39	KURIL ISLANDS
	28	01	41	13.4	25.662	N	140.677	E	195 D	4.7	1.0	38	VOLCANO ISLANDS REGION
	28	02	04	26.9*	12.214	N	125.632	E	33 N	5.0	0.9	19	SAMAR, PHILIPPINE ISLANDS
a	28	03	00	28.9	45.096	N	151.292	E	44 D	5.6 5.1	0.9	216	KURIL ISLANDS
	28	03	04	58.2?	37.91	N	26.49	W	10 G		0.4	4	AZORES ISLANDS
	28	03	16	33.6*	44.345	N	112.365	W	5 G		0.8	7	EASTERN IDAHO. ML 3.1 (BUT).
	28	03	47	06.9*	17.376	N	95.020	W	116 ?	3.9	1.2	8	OAXACA, MEXICO
	28	04	56	51.7	63.243	N	150.490	W	122	4.6	1.0	69	CENTRAL ALASKA. Felt (IV) at Nenana; (III) at Skwentna and Talkeetna.
	28	08	15	16.9*	38.258	N	20.489	E	10 G		0.8	7	GREECE. MD 3.5 (ATH).
	28	09	22	40.0*	36.571	N	140.441	E	33 N		1.1	8	NEAR EAST COAST OF HONSHU, JAPAN. MG 3.3 (JMA). Felt (I JMA) at Mito.
	28	10	19	48.9&	56.173	N	150.850	W	0	4.2		21	GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR).
	28	10	46	57.7%	61.608	N	5.302	E	10 G		0.5	7	SOUTHERN NORWAY. MD 1.7 (BER).
	28	12	05	29.7?	51.44	N	174.18	W	33 N	4.5	1.7	12	ANDREANOF ISLANDS, ALEUTIAN IS.
	28	12	08	32.4	23.851	N	94.387	E	76 D	5.0	1.0	138	BURMA-INDIA BORDER REGION
	28	12	36	28.7*	23.730	N	91.234	E	33 N		1.0	8	INDIA-BANGLADESH BORDER REGION
	28	12	42	26.5?	42.76	N	19.17	E	10 G		0.2	4	YUGOSLAVIA. ML 2.0 (TTG).
	28	13	35	10.3?	5.79	S	145.64	E	85 *	4.5	1.0	7	EAST PAPUA NEW GUINEA REGION
	28	13	39	10.7	44.522	N	26.028	E	21		0.7	13	ROMANIA
	28	14	53	16.8*	9.841	S	121.757	E	71 ?	4.5	1.2	12	SAVU SEA
	28	15	11	27.1%	61.613	N	5.295	E	10 G		0.6	8	SOUTHERN NORWAY. MD 2.1 (BER).
	28	15	16	18.4	4.535	N	76.066	W	129	4.7	0.9	40	COLOMBIA. Felt in Chaca and Valle del Cauca Departments.
	28	15	40	47.8	17.165	N	62.287	W	19 *		0.5	9	LEEWARD ISLANDS. ML 3.3 (FDF).
	28	16	00	41.4&	40.655	N	122.120	W	12			11	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt (IV) at Bella Vista, Central Valley, Millville, Oak Run, Palo Cedra, Project City and Whitmare; (III) at Anderson, Cattanwood, Manton, Montgomery Creek, Round Mountain and Summit City. Also felt at Redding and Shingletown.
	28	16	03	58.5%	43.929	N	7.795	E	10 G		0.1	5	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
	28	16	50	03.1?	1.80	N	126.23	E	105 ?	4.5	0.5	8	MOLUCCA PASSAGE
	28	17	11	42.1?	32.95	S	122.30	E	10 G		1.4	4	WESTERN AUSTRALIA
	28	19	35	31.1&	61.624	N	146.566	W	24			18	SOUTHERN ALASKA. <AGS-P>.
	28	19	51	51.7?	6.84	S	13.09	W	10 G	4.8	1.6	11	ASCENSION ISLAND REGION
	28	19	57	02.0?	35.35	N	24.45	E	10 G		1.6	5	CRETE. MD 3.8 (ATH).
	28	20	24	18.9	39.020	N	28.383	W	10 G	4.6 4.2	1.2	32	AZORES ISLANDS. Felt (IV) on Gracioso and (II) on Faial and Pica.
	28	20	58	14.2&	63.084	N	150.914	W	127			18	CENTRAL ALASKA. <AGS-P>.
a	28	21	24	12.4*	57.788	S	147.449	W	10 G	5.5 5.7	1.2	75	SOUTH PACIFIC CORDILLERA
	28	21	36	30.5%	37.681	N	15.185	E	10 G		0.9	8	SICILY. MD 2.8 (ROM).
	28	21	52	16.8%	61.816	N	7.381	E	10 G		1.0	8	SOUTHERN NORWAY. MD 1.8 (BER).
	28	22	03	39.7?	37.65	N	15.18	E	10 G		0.2	4	SICILY. MD 2.5 (ROM).
a	28	22	11	58.9	6.223	S	148.814	E	50 D	5.4	1.0	105	NEW BRITAIN REGION
	28	22	57	54.2	49.341	N	8.429	E	10		1.5	19	GERMANY. MD 2.7 (UCC), 2.6 (STR). ML 2.5 (GRF).
a	28	23	44	51 3	7.604	S	127.342	E	173 D	5.3	0.8	267	BANDA SEA
a	29	00	18	39 8	22 960	S	175.319	W	35 D	5.2 5.1	1.1	69	TONGA ISLANDS REGION
	29	01	21	09 3?	17 40	N	61.04	W	10 G		0 3	7	LEEWARD ISLANDS ML 3 3 (FDF).
	29	02	41	37 5	39 401	N	19.654	E	47 *	3.9	1 2	71	GREECE-ALBANIA BORDER REGION. Felt (IV) at Vrine and Konispol, Albania
	29	02	58	54.7?	35.10	N	3.74	W	10 G		1.1	5	STRAIT OF GIBRALTAR
a	29	03	57	33.1	6.289	S	154.817	E	82 *	5.3	1.0	111	SOLOMON ISLANDS
	29	03	59	55.4*	14.071	N	93.166	W	54 *	4.8	1.2	13	NEAR COAST OF CHIAPAS, MEXICO
	29	04	18	44.3	43.616	N	7.646	E	10 G		0.8	23	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG), 2.1 (GEN).
	29	04	18	46.7	43.631	N	7.587	E	10 G		0.3	11	NEAR SOUTH COAST OF FRANCE. ML 3.1 (LDG), 2.8 (GEN).
	29	04	56	34.2*	49.923	N	18.628	E	10 G		1.0	5	CZECHOSLOVAKIA. ML 2.6 (KRA).
	29	04	58	41.9*	31.364	S	71.624	W	98 *		0.7	15	NEAR COAST OF CENTRAL CHILE
a	29	05	25	51.5	4.497	S	102.018	E	42 D	5.3 5.0	1.0	138	SOUTHERN SUMATERA. Felt at Bengkulu.
	29	06	51	38.7	15.772	N	89.966	W	7	4.9 4.0	1.0	69	GUATEMALA
	29	07	52	36.4	38.625	N	25.158	E	10 G		1.4	13	AEGEAN SEA. ML 3.0 (ATH).
	29	10	32	54.6%	60.524	N	4.840	E	10 G		0.2	7	SOUTHERN NORWAY. MD 1.7 (BER).
	29	10	40	02.7	44.411	N	7.242	E	11		0.5	22	NORTHERN ITALY. ML 3.2 (LDG), 2.8 (GEN), 3.2 (ROM).
	29	10	55	39.8	0.405	S	124.388	E	82 ?	4.7	1.2	31	MOLUCCA SEA
	29	11	43	57.5%	36.588	N	5.788	W	10 G		1.5	5	STRAIT OF GIBRALTAR
	29	12	29	04.5	39.953	N	28.256	E	10 G		1.3	8	TURKEY
	29	12	32	31.9&	59.404	N	156.196	W	15			7	SOUTHERN ALASKA. <AGS-P>.
	29	12	38	37.1	14.040	N	91.564	W	62 D	5 1	1 3	63	GUATEMALA. Felt strongly in southwestern Guatemala. Felt (III) at Guatemala City. Also felt at Puerta Borrios
	29	12	51	20.6*	36.620	N	26.819	E	33 N		1 4	7	DODECANESE ISLANDS
	29	13	19	24.6	46 472	N	9.227	E	10 G		1 3	8	SWITZERLAND
	29	13	26	34.7*	37.985	N	26.924	E	33 N		1 3	5	DODECANESE ISLANDS. MD 3.3 (ATH).

	29	13 42 41.8*	62.664	S	165.105	E	10	G	4.5	4.5	1.1	6	BALLENY ISLANDS REGION
	29	16 21 17.2%	60.543	N	5.037	E	10	G			0.5	7	SOUTHERN NORWAY. MD 1.6 (BER).
	29	17 21 08.1	13.590	N	58.592	W	13		5.0		0.8	153	NORTH ATLANTIC OCEAN. ML 4.7 (FDF).
	29	17 33 50.9	51.438	N	16.120	E	14		4.7		0.9	70	POLAND. ML 4.7 (GRF), 4.7 (VKA), 4.6 (KBA).
	29	17 46 42.5%	16.878	N	61.897	W	33	N			1.5	5	LEEWARD ISLANDS
	29	18 36 28.5&	59.086	N	152.890	W	75		3.6			14	SOUTHERN ALASKA. <AGS-P>.
	29	19 45 38.4	25.251	N	124.412	E	122	*	4.2		1.0	25	NORTHEAST OF TAIWAN
	29	20 11 09.9?	43.26	N	5.62	E	10	G			0.5	9	NEAR SOUTH COAST OF FRANCE. MD 2.9 (STR).
	29	23 14 08.1&	61.733	N	150.798	W	60					26	SOUTHERN ALASKA. <AGS-P>.
	29	23 18 15.2	11.517	N	59.846	W	10	G	4.5		1.1	20	NORTH ATLANTIC OCEAN
	30	00 08 21.3	39.326	N	23.572	E	10	G			1.2	15	AEGEAN SEA. MD 3.0 (ATH).
	30	01 16 07.7	18.910	S	175.801	W	273	D	5.0		1.0	99	TONGA ISLANDS
o	30	01 34 31.9	6.759	S	130.517	E	107		5.1		0.9	68	BANDA SEA
	30	01 58 11.6&	60.283	N	151.626	W	57					14	KENAI PENINSULA, ALASKA. <AGS-P>.
	30	02 05 06.9?	0.41	N	78.85	W	33	N			1.4	5	COLOMBIA-ECUADOR BORDER REGION
	30	02 30 23.5	40.637	N	22.619	E	10	G			0.8	16	GREECE. MD 3.5 (ATH).
	30	02 50 11.5&	64.897	N	147.707	W	21					20	CENTRAL ALASKA. <AGS-P>. ML 3.6 (PMR).
	30	03 50 03.6&	66.872	N	156.247	W	34					10	ALASKA. <AGS-P>.
	30	05 24 14.7	44.810	N	6.786	E	10	G			0.6	22	FRANCE. ML 2.7 (LDG), 2.4 (GEN).
	30	06 02 46.8?	17.26	N	60.84	W	10	G			0.3	4	LEEWARD ISLANDS
	30	06 15 08.0*	17.149	N	62.433	W	10	G			1.0	6	LEEWARD ISLANDS
	30	07 00 55.5?	48.86	S	113.56	W	10	G	4.9	5.0	1.1	21	EASTER ISLAND CORDILLERA
	30	07 13 00.7	41.630	N	142.607	E	56		4.1		0.9	19	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakawa and (I JMA) at Hiroo.
	30	07 15 22.3	41.558	N	142.647	E	48		4.6		0.9	26	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Tomakomai and Urakawa. Felt (I JMA) at Hachinohe, Honshu.
	30	08 59 41.9&	62.529	N	151.362	W	88					18	CENTRAL ALASKA. <AGS-P>.
	30	10 07 57.7%	35.294	N	3.711	W	10	G			1.4	15	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
	30	10 31 56.9%	61.604	N	5.234	E	10	G			0.5	7	SOUTHERN NORWAY. MD 2.1 (BER).
	30	11 29 50.5	38.312	N	22.661	E	10	G			1.3	7	GREECE. ML 3.1 (ATH).
	30	12 52 50.8*	40.104	N	107.866	W	5	G			1.1	6	COLORADO. ML 2.2 (NEIS). Felt at Meeker.
	30	13 24 18.0?	6.17	S	146.52	E	125	?	3.5		0.6	6	EAST PAPUA NEW GUINEA REGION
	30	14 55 47.8	43.435	N	5.455	E	8				0.7	15	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	30	16 24 03.3	35.426	N	139.010	E	41		4.6		1.1	41	NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Kawaguchi-ko, (II JMA) at Kofu, Tokyo and (I JMA) at Ajiro, Maebashi, Mishima, Utsunomiya, Yokohama and on Oshima.
	30	16 37 23.7?	12.25	S	166.95	E	115	?	4.7		0.8	15	SANTA CRUZ ISLANDS
	30	16 39 20.8*	35.466	N	139.017	E	10	G			0.5	6	NEAR S. COAST OF HONSHU, JAPAN. MG 3.2 (JMA). Felt (I JMA) at Kawaguchi-ko.
	30	17 08 46.0*	39.533	N	119.817	W	5	G			1.7	5	NEVADA. ML 2.6 (BRK).
	30	18 52 54.4*	8.952	N	126.254	E	33	N	4.6		1.1	16	MINDANAO, PHILIPPINE ISLANDS
	30	19 04 09.4	28.036	N	55.302	E	54		4.4		0.8	36	SOUTHERN IRAN
	30	20 45 40.0*	46.208	N	14.758	E	10	G			0.3	5	YUGOSLAVIA. MD 2.6 (LJU).
	30	20 48 24.3	50.515	N	18.936	E	10	G			0.8	27	POLAND. ML 4.2 (KRA).
	30	21 17 53.2?	35.79	N	26.31	E	10	G			1.0	4	CRETE. MD 3.3 (ATH).
	30	21 48 07.9*	52.540	N	155.888	E	33	N	4.6		0.9	25	NORTHWEST OF KURIL ISLANDS
	30	22 17 34.1&	62.408	N	151.080	W	69					9	CENTRAL ALASKA. <AGS-P>.
	30	22 58 27.8?	0.42	N	78.85	W	33	N			1.2	5	COLOMBIA-ECUADOR BORDER REGION
	30	23 18 36.5*	10.964	S	162.011	E	70	G	5.0		0.9	26	SOLOMON ISLANDS

ADDITIONAL SOURCE PARAMETERS

01 04 08 18.91 10.966S 165.449E 33km
5.0mb (7 obs.) 4.8Msz (2 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 04:08:21.7 0.6
Lat 11.42S 0.11 Lon 165.52E 0.10
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.03	58	66
N	0.02	1	335
P	-10.05	32	244

Best Double Couple Mo=1.0*10**17
NP1:Strike=331 Dip=13 Slip= 86
NP2: 155 77 91

01 07 25 06.47 52.004S 159.679E 10km
5.2mb (12 obs.) 4.8Msz (3 obs.)
MACQUARIE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 07:25:14.2 0.5
Lat 52.12S FIX;Lon 158.56E FIX
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.34	0	210
N	2.54	90	180
P	-7.88	0	120

Best Double Couple:Mo=6.6*10**16
NP1:Strike=255 Dip=90 Slip= 180
NP2: 345 90 0

02 11 02 19.83 19.068S 168.833E 100km
5.3mb (18 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 28C
Centroid Location:
Origin Time 11:02:25.3 0.7
Lat 18.95S 0.06 Lon 168.04E 0.06
Dep 105.1 3.2 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	12.05	18	127
N	0.37	25	226
P	-12.41	59	5

Best Double Couple:Mo=1.2*10**17
NP1:Strike=184 Dip=35 Slip=-137
NP2: 57 67 -63

02 21 01 18.21 4.669S 153.014E 72km
5.4mb (19 obs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 21:01:21.5 0.9
Lat 4.59S 0.10 Lon 152.89E 0.11
Dep 21.8 9.0 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.53	23	55
N	0.04	10	150
P	-5.56	65	263

Best Double Couple:Mo=5.5*10**16
NP1:Strike=126 Dip=24 Slip=-116
NP2: 334 68 -79

03 02 56 52.60 6.826S 156.216E 171km
5.4mb (38 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 31C
Centroid Location:
Origin Time 02:56:56.4 0.6
Lat 6.84S 0.05 Lon 156.00E 0.05
Dep 163.2 1.6 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.02	18	303
N	0.16	14	208
P	-2.18	67	82

Best Double Couple:Mo=2.1*10**17
NP1:Strike= 55 Dip=30 Slip= -60
NP2: 201 65 -106

06 07 24 56.64 18.457N 146.302E 58km
5.4mb (36 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 07:25: 1.3 0.5
Lat 18.46N 0.06 Lon 146.25E 0.06
Dep 28.7 4.9 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.77	64	327
N	-1.64	16	201
P	-7.12	20	105

Best Double Couple:Mo=7.9*10**16
NP1:Strike=169 Dip=29 Slip= 55
NP2: 28 67 108

07 19 45 53.70 38.057N 21.620E 25km
5.0mb (58 obs.) 4.8Msz (4 obs.)
GREECE

CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L.P.B : 13S, 24C
Centroid Location.
Origin Time 19:45:58.9 0.9
Lat 38.05N FIX;Lon 21.63E FIX
Dep 25.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.62	2	25
N	2.66	54	292
P	-8.29	36	116

Best Double Couple.Mo=6.9*10**16
NP1:Strike=154 Dip=64 Slip= -26
NP2: 256 67 -152

07 21 47 35.05 5.632N 125.732E 170km
5.1mb (18 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 21:47:34.2 1.0
Lat 5.55N 0.07 Lon 125.76E 0.11
Dep 158.6 2.2 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.92	67	257
N	-2.03	20	109
P	-5.90	11	15

Best Double Couple:Mo=6.9*10**16
NP1:Strike= 82 Dip=38 Slip= 57
NP2: 301 59 113

08 06 24 09.61 6.837N 37.878E 19km
5.0mb (26 obs.) 4.8Msz (1 obs.)
ETHIOPIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 20C
Centroid Location:
Origin Time 06:24:17.5 1.5
Lat 7.35N 0.16 Lon 38.16E 0.13
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	3.35	0	110
N	-0.93	0	20
P	-2.42	90	180

Best Double Couple:Mo=2.9*10**16
NP1:Strike=200 Dip=45 Slip= -90
NP2: 20 45 -90

08 09 51 56.84 19.531S 173.736W 23km
5.5mb (37 obs.) 5.4Msz (28 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 36C
Centroid Location:
Origin Time 09:52: 4.3 0.3
Lat 19.73S 0.03 Lon 173.57W 0.03
Dep 17.7 1.4 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.74	73	266
N	0.58	4	9
P	-6.32	17	100

Best Double Couple.Mo=6.0*10**17
NP1:Strike=196 Dip=29 Slip= 98
NP2: 6 62 86

09 07 14 28.78 5.038S 151.278E 157km
5.1mb (22 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 18C
Centroid Location:
Origin Time 07:14:30.0 1.2
Lat 5.30S 0.12 Lon 151.27E 0.12
Dep 142.3 4.3 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.88	15	176
N	0.10	19	271
P	-4.97	65	51

Best Double Couple:Mo=4.9*10**16
NP1:Strike=241 Dip=34 Slip=-126
NP2 102 63 -68

09 12 19 35.70 71.432N 4.371W 10km
5.6mb (54 obs) 5.4Msz (19 obs)
JAN MAYEN ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L.P.B : 16S, 37C
Centroid Location:
Origin Time 12:19:41.5 0.3
Lat 70.99N 0.05 Lan 3.69W 0.14
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.19	12	313
N	-0.45	19	47
P	-2.74	68	192

Best Double Couple:Mo=3.0*10**17
NP1:Strike= 20 Dip=37 Slip=-122
NP2: 238 59 -68

09 15 34 11.64 7.865S 117.517E 245km
5.8mb (37 obs.)
BALI SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 50 Dip=80 Slip= 90
NP2: 230 10 90
Principal Axes:

	Plg=	Azm=
T	55	320
P	35	140

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 0.4±0.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 244 No. of sta: 10
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.81	50	331
N	-0.01	8	231
P	-3.80	39	135

Best Double Couple:Mo=3.8*10**17
NP1:Strike=179 Dip=10 Slip= 37
NP2: 52 84 98
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 34C
Centroid Location:
Origin Time 15:34:13.9 0.4
Lat 8.05S 0.04 Lan 117.29E 0.04
Dep 247.6 1.8 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.09	41	326
N	-0.42	17	72
P	-3.67	44	178

Best Double Couple:Mo=3.9*10**17
NP1:Strike=346 Dip=17 Slip=-175
NP2: 252 89 -73

09 16 52 12.10 20.260N 145.147E 149km
5.4mb (39 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 23C
Centroid Location:
Origin Time 16:52:14.6 0.9
Lat 20.16N 0.06 Lan 144.73E 0.09
Dep 149.3 2.7 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.78	10	158
N	2.16	43	258
P	-11.95	45	58

Best Double Couple:Mo=1.1*10**17
NP1:Strike=209 Dip=51 Slip=-152
NP2: 101 68 -42

11 12 21 49.71 51.75 S 158.85 E 10km
5.2mb (4 obs.) 5.1Msz (2 obs.)
NORTH OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 12:21:55.3 0.8
Lat 51.84S 0.10 Lon 158.13E 0.12
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.36	12	191
N	-2.38	75	332
P	-7.98	9	99

Best Double Couple Mo=9.2*10**16
NP1:Strike=235 Dip=75 Slip= 178
NP2: 325 88 15

11 13 24 32.07 35.107N 35.008W 10km
5.8mb (83 obs.) 5.5Msz (17 obs.)
NORTH ATLANTIC RIDGE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=325 Dip=76 Slip= 166
NP2: 58 76 14
Principal Axes:

	Plg=	Azm=
T	20	282
P	0	192

Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. M
Energy 0.1±0.1*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 23 No. of sta: 10
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.97	7	285
N	-0.12	82	76
P	-1.85	4	194

Best Double Couple:Mo=1.9*10**18
NP1:Strike=330 Dip=82 Slip= 178
NP2: 60 88 8
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 37C
Centroid Location:
Origin Time 13:24:39.7 0.3
Lat 35.10N 0.04 Lan 34.88W 0.04
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.92	7	148
N	-1.24	81	289
P	-5.68	6	57

Best Double Couple:Mo=6.3*10**17
NP1:Strike=192 Dip=81 Slip= 179
NP2: 282 89 9

11 23 24 39.00 6.463S 147.857E 49km
5.1mb (11 obs.) 4.8Msz (6 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 23:24:41.5 0.6
Lat 6.64S 0.07 Lon 147.50E 0.08
Dep 47.5 4.5 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.48	8	328
N	-1.66	47	229
P	-6.82	42	65

Best Double Couple:Mo=7.6*10**16
NP1:Strike= 97 Dip=55 Slip= -27
NP2: 204 68 -142

12 00 04 09.76 21.861N 89.763E 6km
6.1mb (61 obs.) 5.1Msz (19 obs.)
BANGLADESH
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=350 Dip=78 Slip= 175
NP2: 81 85 12
Principal Axes:

	Plg=	Azm=
T	12	306
P	5	215

Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. C
Energy 0.5±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 18 No. of sta: 5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.29	40	322
N	0.10	43	104

P -4.40 20 213
Best Double Couple Mo=4.3*10**17
NP1 Strike=349 Dip=46 Slip= 163
NP2 92 78 46
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 00:04:16.3 0.4
Lat 22.13N 0.05 Lan 89.88E 0.05
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 5.38 Plg=28 Azm=314
N 0.85 62 120
P -6.23 6 221
Best Double Couple:Mo=5.8*10**17
NP1:Strike=354 Dip=67 Slip= 164
NP2: 90 75 24

12 05 47 35.76 15.283S 167.572E 247km
5.4mb (19 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 23C
Centraid Lacatian:
Origin Time 05:47:40.8 0.8
Lat 15.31S 0.06 Lan 167.56E 0.07
Dep 252.4 2.9 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.20 Plg=41 Azm=232
N -0.03 39 98
P -2.17 25 346
Best Double Couple:Ma=2.2*10**17
NP1:Strike= 27 Dip=41 Slip= 15
NP2: 286 80 130

12 18 21 03.30 22.554S 175.826W 71km
5.5mb (32 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 28C
Centraid Lacatian:
Origin Time 18:21: 7.7 0.5
Lat 22.48S 0.06 Lan 175.88W 0.06
Dep 67.7 5.7 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.36 Plg=53 Azm=102
N -0.15 16 349
P -1.22 32 248
Best Double Couple:Ma=1.3*10**17
NP1:Strike=295 Dip=20 Slip= 35
NP2: 172 79 107

13 17 49 40.57 3.670S 140.139E 71km
5.4mb (17 obs.)
WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 27C
Centraid Lacatian:
Origin Time 17:49:45.5 0.3
Lat 3.64S 0.02 Lan 140.10E 0 04
Dep 65 9 3.8 Half-duration 2.3
Principal Axes
Scale 10**17 Nm
T Val= 2.80 Plg=15 Azm=230
N -0.27 7 322
P -2.53 73 76
Best Double Couple:Mo=2.7*10**17
NP1:Strike=310 Dip=31 Slip=-104
NP2: 146 60 -82

13 22 59 33.41 43.342S 38.969E 10km
5.0mb (9 obs.) 5.0Msz (1 obs.)
PRINCE EDWARD ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 38C
Centraid Lacatian:
Origin Time 22:59:39.0 0.4
Lat 43.21S 0.04 Lan 39.49E 0.05
Dep 15 0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.46 Plg=10 Azm=149
N -0 28 80 335
P -2 17 1 239
Best Double Couple Mo=2.3*10**17
NP1.Strike=284 Dip=82 Slip= 6
NP2 194 84 172

14 00 29 00.04 51 488N 174 300W 33km
5.2mb (50 obs) 4.5Msz (2 obs)
ANDREANOF ISLANDS, ALEUTIAN IS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 00:29: 3.2 2.0
Lat 51.68N 0.18 Lon 174.12W 0.25
Dep 33.0 FIX Half-durotion 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 3.40 Plg=69 Azm= 6
N 0.72 11 246
P -4.12 18 152
Best Double Couple:Mo=3.8*10**16
NP1:Strike=225 Dip=29 Slip= 66
NP2: 71 64 102

14 10 17 35.24 12 875N 143.351E 126km
5.5mb (46 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 29C
Centraid Location:
Origin Time 10:17:39.9 0.2
Lat 12.41N 0.02 Lan 143.11E 0.03
Dep 115.3 1.6 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.46 Plg= 5 Azm=232
N 0.12 26 139
P -3.58 64 332
Best Double Couple:Ma=3.5*10**17
NP1:Strike=347 Dip=46 Slip= -53
NP2: 120 55 -122

14 18 06 38.26 34.289N 26.055E 14km
5.2mb (56 obs.) 5.1Msz (8 obs.)
CRETE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centraid Lacatian:
Origin Time 18:06:40.4 0.6
Lat 34.30N FIX;Lan 26.10E FIX
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 2.42 Plg=37 Azm=353
N -0.26 3 261
P -2.16 52 167
Best Double Couple:Ma=2.3*10**17
NP1:Strike=102 Dip= 8 Slip= -68
NP2: 260 83 -93

14 21 44 35.18 40.085N 144.609E 33km
5.3mb (63 obs.) 4.6Msz (9 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centraid Location:
Origin Time 21:44:33.5 0 9
Lot 39 82N 0 14 Lon 144 60E 0.12
Dep 33 0 FIX Half-durotion 1 5
Principal Axes:
Scale 10**16 Nm
T Val= 4.63 Plg= 2 Azm= 87
N -0.35 18 178
P -4.28 72 352
Best Double Couple:Ma=4.5*10**16
NP1:Strike=160 Dip=46 Slip=-115
NP2: 14 49 -66

14 22 37 11.36 14.013S 65.945E 10km
5.1mb (32 obs.) 4.9Msz (5 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centraid Lacotion.
Origin Time 22:37 19 5 0 7
Lat 13.74S 0.08 Lon 65 78E 0 08
Dep 15 0 FIX Half-duration 1 5
Principal Axes.
Scale 10**16 Nm
T Val= 5 79 Plg=72 Azm=317
N 1 02 13 182
P -6 81 12 89
Best Double Couple Mo=6 3*10**16
NP1 Strike=162 Dip=35 Slip= 66
NP2 10 59 105

15 15 51 58.60 6 800N 73.019W 162km
5.1mb (46 obs.)
NORTHERN COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 25C
Centroid Locotion:
Origin Time 15:52: 2.1 0.8
Lot 6.87N 0.08 Lon 73.09W 0.08
Dep 156.8 1.9 Half-duration 1.6
Principal Axes:
Scole 10**16 Nm
T Val= 9.06 Plg=43 Azm= 94
N 0.58 8 191
P -9.64 45 289
Best Double Couple:Mo=9.4*10**16
NP1:Strike=109 Dip= 8 Slip=-173
NP2: 12 89 -82

15 19 32 45.63 6.824N 82.309W 10km
4.9mb (24 obs.) 4.9Msz (2 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 29C
Centraid Lacatian:
Origin Time 19:32:53.7 0.4
Lat 6.78N 0.04 Lan 82.29W 0.05
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.54 Plg=16 Azm=316
N -0.59 73 124
P -1.95 3 225
Best Double Couple:Mo=2.3*10**17
NP1:Strike= 0 Dip=76 Slip= 171
NP2: 92 81 14

16 07 18 35.45 13.224N 145.154E 68km
5.5mb (37 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 20C
Centraid Lacatian:
Origin Time 07:18:36.3 0.7
Lat 12.89N 0.08 Lan 145.34E 0.07
Dep 55.9 9.6 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 8.11 Plg=55 Azm=321
N 0.73 21 199
P -8.84 27 98
Best Double Couple:Ma=8.5*10**16
NP1:Strike=147 Dip=26 Slip= 36
NP2: 24 75 112

16 10 51 21.56 57.755N 153.992W 58km
5.8mb (81 obs.)
KODIAK ISLAND REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=240 Dip=85 Slip= -65
NP2: 341 25 -168
Principal Axes:
T Plg=35 Azm=309
P 44 175
Comment: The facal mechonism is moderately well cantralled and carresponds ta normal faulting with a small left-lateral strike-slip campanent. The preferred fault plane is NP1.
RADIATED ENERGY
Na. af sta: 4 Facal mech. F
Energy 0.3±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 61 Na. af sta: 17
Principal Axes:
Scale 10**17 Nm
T Val= 5.10 Plg=33 Azm=308
N -0.06 18 51
P -5.03 51 164
Best Double Couple:Mo=5.1*10**17
NP1:Strike=350 Dip=20 Slip=-152
NP2: 234 81 -72
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L P.B 18S, 35C

Centroid Location
Origin Time 10 51 24 3 0 3
Lat 57 70N 0.04 Lon 154 64W 0 05
Dep 72.8 4.1 Half-duration 2 6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.72	37	290
N	0.05	28	44
P	-3.78	40	161

Best Double Couple:Mo=3 8*10**17
NP1:Strike=319 Dip=28 Slip=-176
NP2: 225 88 -62

16 20 12 31.26 20.672N 102 446E 33km
5.1mb (30 obs.) 5.5Msz (6 obs.)
SOUTHEAST ASIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 20:12:32.8 0.3
Lat 20.61N 0.04 Lan 102.61E 0.06
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.99	12	249
N	-0.28	63	135
P	-2.71	24	345

Best Double Cauple:Mo=2.9*10**17
NP1:Strike= 25 Dip=65 Slip= -9
NP2: 119 82 -154

16 23 42 35.12 31.807N 137.982E 360km
5.9mb (90 obs.)
SOUTH OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 15 Dip=85 Slip= -90
NP2: 195 5 -90
Principal Axes:

	Plg=	Azm=
T	40	105
P	50	285

Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 9 Focal mech. M
Energy 0.2±0.0*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 354 No. of sta: 12
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	4.45	39	80
N	-0.07	21	188
P	-4.38	44	299

Best Double Couple:Mo=4.4*10**18
NP1:Strike=106 Dip=21 Slip=-173
NP2: 9 87 -69
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 44C M.W.: 13S, 25C
Centroid Location:
Origin Time 23:42:40.2 0.1
Lat 31.76N 0.01 Lan 138.11E 0.02
Dep 366.1 0.9 Half-duration 6.0
Principal Axes
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	4 17	44	95
N	0 02	12	197
P	-4.19	43	299

Best Double Couple:Mo=4 2*10**18
NP1.Strike=105 Dip=12 Slip= 178
NP2. 197 90 78

17 18 28 08.62 40.494S 74.674W 33km
5 6mb (20 obs) 5.0Msz (7 obs.)
OFF COAST OF SOUTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 18:28:14.4 0.5
Lat 41.10S 0.07 Lon 75.21W 0.13
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.38	24	115
N	0.76	29	10
P	-3 14	51	237

Best Double Couple.Mo=2.8*10**17
NP1 Strike=247 Dip=34 Slip= -28
NP2 1 75 -121

17 20 47 14 62 1 437S 24 169W 10km
5 1mb (52 obs) 4.9Msz (6 obs)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.. 17S, 38C
Centroid Location:
Origin Time 20:47:24.3 0.6
Lat 0.87S 0.05 Lon 23.93W 0.05
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.38	2	219
N	-0.63	72	315
P	-1.76	18	128

Best Double Couple:Mo=2.1*10**17
NP1:Strike=265 Dip=76 Slip=-169
NP2: 172 79 -14

18 14 06 28.83 17.761N 68.811W 62km
5.9mb (69 obs.)
MONA PASSAGE
FAULT PLANE SOLUTION: P-Woves
NP1:Strike= 35 Dip=65 Slip= -20
NP2: 134 72 -154
Principal Axes:

	Plg=	Azm=
T	5	263
P	31	356

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a maderate normal component. The preferred foult plone is not determined.
RADIATED ENERGY
No. af sta. 6 Facal mech. C
Energy 0.7±0.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 70 No. af sta: 6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.39	6	82
N	0.06	59	182
P	-3.45	31	348

Best Double Couple:Ma=3.4*10**17
NP1:Strike=129 Dip=64 Slip=-161
NP2: 31 73 -27
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 34C
Centraid Location:
Origin Time 14:06:30.8 0.5
Lat 17.28N 0.06 Lon 68.53W 0.05
Dep 73.2 4.0 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.56	4	263
N	0.39	57	167
P	-1.95	33	355

Best Double Couple:Mo=1.8*10**17
NP1:Strike= 34 Dip=64 Slip= -22
NP2: 134 70 -153

18 15 49 14.11 12.449S 121.520E 33km
5 1mb (18 obs.) 4.2Msz (2 obs.)
SOUTH OF TIMOR
CENTROID, MOMENT TENSDR (HRV)
Dota Used GDSN
L P B 12S, 20C
Centroid Location:
Origin Time 15:49:17.1 1.4
Lot 12.49S FIX,Lon 121.48E FIX
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.80	29	24
N	0.76	6	117
P	-8.56	60	218

Best Double Couple:Mo=8.2*10**16
NP1:Strike= 97 Dip=17 Slip=-111
NP2: 299 74 -84

19 16 00 47 94 22 113S 67.559W 189km
5 5mb (65 obs.)
CHILE-BOLIVIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L P.B.: 17S, 34C
Centroid Location:
Origin Time 16.00:52 5 0.2
Lot 22 05S 0 03 Lon 67 60W 0 04
Dep 186 0 1 1 Half-duration 2 6
Principal Axes
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.71	40	91
N	0.05	6	357
P	-3.76	49	260

Best Double Couple:Ma=3.7*10**17
NP1:Strike=228 Dip= 7 Slip= -38
NP2: 356 86 -96

19 20 16 10.53 55.672S 28 247W 33km
5.6mb (6 obs.) 5.1Msz (2 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L.P.B.: 15S, 29C
Centraid Locatian:
Origin Time 20:16:16.9 0.4
Lat 55.64S 0.06 Lon 28.61W 0.11
Dep 49.9 6.5 Half-duratian 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.62	40	112
N	-0.22	18	218
P	-1.40	44	327

Best Double Couple:Ma=1.5*10**17
NP1:Strike=136 Dip=19 Slip=-173
NP2: 39 88 -72

20 05 41 43.52 52.334N 174.184E 48km
5 2mb (63 obs.) 4.3Msz (5 obs.)
NEAR ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 05:41:45.7 0.6
Lat 52.47N 0.12 Lon 173.72E 0.10
Dep 49.0 8.4 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.72	55	162
N	0.20	6	64
P	-6.91	35	330

Best Double Couple:Mo=6.8*10**16
NP1:Strike= 35 Dip=11 Slip= 60
NP2: 245 80 96

20 18 07 43.60 52.527N 172.508E 33km
5.2mb (53 obs.) 4.6Msz (12 obs.)
NEAR ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 27C
Centroid Locatian:
Origin Time 18:07:46.5 0.7
Lat 52.95N 0.06 Lon 172.38E 0.15
Dep 48.5 5.6 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.29	53	297
N	0.42	28	72
P	-8.71	22	175

Best Double Couple:Mo=8.5*10**16
NP1:Strike=305 Dip=34 Slip= 147
NP2: 63 73 61

20 23 40 38.88 3.867S 86.993E 10km
5.2mb (49 obs.) 4.6Msz (3 obs.)
SOUTH INDIAN OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Locatian:
Origin Time 23:40:44.7 0.8
Lat 3.39S 0.08 Lan 86.89E 0.08
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	12.37	58	288
N	-2.13	23	59
P	-10.24	22	159

Best Double Couple:Ma=1.1*10**17
NP1:Strike=284 Dip=31 Slip= 139
NP2: 51 70 66

21 23 51 01.98 21.785S 176.493W 182km
5.6mb (42 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B : 16S, 38C
Centroid Locotion
Origin Time 23:51. 9.2 0.3

Lat 21 73S 0 04 Lon 176.74W 0.03
Dep 190.5 1 3 Half-duration 2 6
Principal Axes:
Scale 10**17 Nm
T Val= 3.89 Plg=36 Azm=129
N -0.11 9 33
P -3.77 53 291
Best Double Couple:Mo=3.8*10**17
NP1:Strike=258 Dip=12 Slip= -44
NP2: 32 82 -99

22 11 06 06.80 28.252N 130.644E 33km
5.3mb (31 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 17C
Centraid Locatian:
Drigin Time 11:06: 9.6 0.6
Lat 28.02N 0.11 Lan 130.35E 0.13
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.07 Plg= 7 Azm=121
N 0.59 2 212
P -5.66 83 316
Best Double Cauple:Ma=5.4*10**16
NP1:Strike=209 Dip=38 Slip= -93
NP2: 33 52 -88

23 00 35 42.62 17.098S 172.656W 33km
4.9mb (12 obs.) 5.0Msz (1 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 18C
Centraid Location:
Origin Time 00:35:41.5 1.4
Lat 17.94S 0.17 Lon 172.84W 0.16
Dep 15.0 FIX Half-duratian 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 1.30 Plg=49 Azm=277
N 0.08 5 13
P -1.38 40 107
Best Double Cauple:Mo=1.3*10**17
NP1:Strike=237 Dip= 7 Slip= 134
NP2: 12 85 85

23 12 00 53.27 22.311N 142.996E 170km
5.3mb (55 obs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 18C
Centroid Location:
Origin Time 12:00:55.3 1.0
Lat 22.33N 0.11 Lon 143.09E 0.11
Dep 189.7 5.7 Half-duratian 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 7.12 Plg=53 Azm=172
N 0.54 20 52
P -7.66 29 310
Best Double Cauple:Ma=7.4*10**16
NP1:Strike=356 Dip=24 Slip= 32
NP2: 237 78 111

24 03 09 57.56 36.719N 35.943E 42km
4 9mb (57 obs.) 4 2Msz (2 obs)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centraid Location:
Origin Time 03:09:58.6 1.1
Lat 36.28N 0.14 Lon 36.13E 0.17
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.61 Plg=17 Azm=115
N 0.86 2 206
P -5.47 73 301
Best Double Cauple:Ma=5.0*10**16
NP1:Strike=203 Dip=28 Slip= -93
NP2: 27 62 -88

24 12 58 39.08 28.336S 66.312W 22km
5.4mb (35 obs.) 5.2Msz (3 obs.)
CATAMARCA PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L P.B : 17S, 35C

Centroid Location
Origin Time 12 58 47 1 0 4
Lat 28 53S 0 05 Lon 66 20W 0 05
Dep 21.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.04 Plg= 3 Azm= 43
N -0.01 75 145
P -2.04 15 312
Best Double Couple:Ma=2.0*10**17
NP1:Strike= 88 Dip=77 Slip=-172
NP2: 357 82 -13

25 12 30 05.91 6.113S 149.062E 72km
5.2mb (24 obs.)
NEW 8RITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 12:30:10.0 0.5
Lat 6.40S 0.04 Lan 148.92E 0.06
Dep 52.0 5.2 Half-duratian 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.42 Plg=68 Azm=286
N 1.89 21 89
P -9.31 6 181
Best Double Cauple:Mo=8.4*10**16
NP1:Strike=293 Dip=43 Slip= 121
NP2: 73 54 64

25 20 37 32.46 1.134N 79.616W 15km
5.9mb (77 obs.) 6.1Msz (33 obs.)
NEAR COAST OF ECUADOR
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=193 Dip=73 Slip= 90
NP2: 13 17 90
Principal Axes:
T Plg=62 Azm=103
P 28 283
Comment: The focal mechanism is
paarly controlled and
corresponds ta reverse
faulting. The preferred fault
plane is NP2.
RADIATED ENERGY
No. af sta: 5 Focal mech. F
Energy 0.3±0.1*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 13 No. af sta: 15
Principal Axes:
Scale 10**18 Nm
T Val= 3.63 Plg=61 Azm=107
N 0.00 7 209
P -3.62 28 303
Best Double Couple:Mo=3.6*10**18
NP1:Strike= 50 Dip=18 Slip= 112
NP2: 207 73 83
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 45C
Centraid Location:
Origin Time 20:37:43.2 0.2
Lat 0.81N 0.03 Lon 79.92W 0.03
Dep 16.0 1.6 Half-duratian 5.2
Principal Axes:
Scale 10**18 Nm
T Val= 3.38 Plg=64 Azm= 63
N 0 02 12 179
P -3.40 23 274
Best Double Couple:Mo=3.4*10**18
NP1:Strike= 27 Dip=25 Slip= 120
NP2: 174 69 77

26 03 27 03.96 19.362N 155.083W 9km
5.8mb (35 obs.) 6.1Msz (18 abs.)
HAWAII
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 42 Dip=86 Slip= 115
NP2: 141 25 9
Principal Axes:
T Plg=44 Azm=336
P 36 110
Comment: The facal mechanism is
maderately well controlled and
corresponds to reverse
faulting with a moderate
strike-slip component. The
preferred fault plane is not
determined.
RADIATED ENERGY
No of sta 7 Focal mech. C

Energy 0 4±0 1*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 11 No af sta: 19
Principal Axes:
Scale 10**18 Nm
T Val= 5.45 Plg=43 Azm=331
N -0.01 6 236
P -5.44 46 140
Best Double Couple:Mo=5.4*10**18
NP1:Strike=130 Dip= 6 Slip= -15
NP2: 236 88 -96
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B : 16S, 38C M.W.: 14S, 25C
Centroid Locatian:
Origin Time 03:27:16 6 0.2
Lat 19.47N 0.02 Lon 155.06W 0.02
Dep 15.0 FIX Half-duration 5.7
Principal Axes:
Scale 10**18 Nm
T Val= 5.25 Plg=52 Azm=317
N -0.09 1 49
P -5.16 38 140
Best Double Couple:Ma=5.2*10**18
NP1:Strike=238 Dip= 7 Slip= 99
NP2: 49 83 89

26 10 38 39.46 39.112N 28.242W 11km
5.7mb (59 abs.) 5.7Msz (13 obs.)
AZORES ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=187 Dip=83 Slip= 175
NP2 278 85 7
Principal Axes:
T Plg= 8 Azm=142
P 1 52
Comment: The focal mechanism is
maderately well controlled and
correspands ta strike-slip
faulting with a small normal
component. The preferred fault
plane is not determined.
RADIATED ENERGY
No. of sta: 7 Facal mech. M
Energy 0.6±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 33 No. of sta: 13
Principal Axes:
Scale 10**17 Nm
T Val= 6.65 Plg=16 Azm= 51
N 0.18 73 248
P -6.83 5 143
Best Double Cauple:Mo=6.7*10**17
NP1:Strike=188 Dip=75 Slip= 8
NP2: 96 82 165
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 44C
Centraid Locatian:
Origin Time 10:38:45.7 0.3
Lat 39.11N 0.03 Lon 28.32W 0.06
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 5.57 Plg=14 Azm= 29
N -0.29 11 122
P -5.28 72 248
Best Double Couple:Mo=5.4*10**17
NP1 Strike=105 Dip=32 Slip=-110
NP2 308 60 -78

27 07 10 22.62 51.568N 174.339W 33km
5.2mb (53 abs.) 5.0Msz (18 abs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 07:10:27.5 0.7
Lat 51.93N 0.07 Lon 174.61W 0.09
Dep 23.9 3.5 Half-duratian 1.9
Principal Axes:
Scale 10**16 Nm
T Val= 11.43 Plg=66 Azm=356
N -0.04 8 248
P -11 40 22 155
Best Double Couple:Mo=1.1*10**17
NP1:Strike=231 Dip=24 Slip= 71
NP2 71 68 98

27 17 43 09.01 63.72 S 156.10 W 10km
5 4mb (4 obs) 5 5Msz (3 obs)
SOUTH PACIFIC CORDILLERA

CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L.P B 14S, 32C
Centraid Location:
Origin Time 17:43:14 3 0.4
Lat 63.78S FIX;Lan 156.15W FIX
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	6.72	51	327
N	-2.98	4	232
P	-3.74	39	138

Best Double Couple:Mo=5.2*10**17

	Strike=	Dip=	Slip=
NP1:	196	8	54
NP2:	52	84	94

28 03 00 28.92 45.096N 151.292E 44km
5.6mb (61 obs.) 5.1Msz (10 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centraid Location:
Origin Time 03:00:30.6 0.8
Lat 45.28N 0.05 Lan 151.61E 0.09
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.49	64	248
N	-0.01	19	23
P	-1.48	17	119

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

	Strike=	Dip=	Slip=
NP1:	236	32	128
NP2:	13	65	69

28 21 24 12.45 57.788S 147.449W 10km
5.5mb (8 obs.) 5.7Msz (3 obs.)
SOUTH PACIFIC CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Locatian:
Origin Time 21:24:19.0 0.3
Lat 58.14S 0.04 Lan 147.18W 0.07
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.79	5	344
N	-0.11	82	109
P	-5.68	6	253

Best Double Cauple:Mo=5.7*10**17

	Strike=	Dip=	Slip=
NP1:	28	82	-179
NP2:	298	89	-8

28 22 11 58.90 6.223S 148.814E 50km
5.4mb (22 obs.)

NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centraid Locatian:
Origin Time 22:12: 4.2 0.5
Lat 6.81S 0.07 Lan 148.85E 0.07
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.21	74	57
N	0.06	14	268
P	-2.27	8	176

Best Double Couple:Mo=2.2*10**17

	Strike=	Dip=	Slip=
NP1:	250	39	67
NP2:	98	54	107

28 23 44 51.39 7.604S 127.342E 173km
5.3mb (29 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centroid Location:
Origin Time 23:44:54.7 1.2
Lat 7.53S 0.09 Lon 127.15E 0.09
Dep 177.9 2.5 Half-duratian 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.76	57	318
N	-0.61	32	158
P	-2.14	9	62

Best Double Couple:Mo=2.4*10**17

	Strike=	Dip=	Slip=
NP1:	121	45	43
NP2:	358	61	127

29 00 18 39.81 22.960S 175.319W 35km
5.2mb (11 obs.) 5.1Msz (7 abs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 00:18:42.3 1.1
Lat 23.02S 0.06 Lon 174.79W 0.09
Dep 24.3 4.2 Half-duratian 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	0.98	74	337
N	0.42	13	194
P	-1.39	10	102

Best Double Couple:Ma=1.2*10**17

	Strike=	Dip=	Slip=
NP1:	177	37	68
NP2:	23	56	106

29 03 57 33.13 6.289S 154.817E 82km
5.3mb (20 obs)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centraid Locatian.
Origin Time 03:57:40.2 0.7
Lat 6.13S 0.12 Lan 154.24E 0.11
Dep 68.5 7.7 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.46	77	147
N	0.44	11	295
P	-4.90	7	26

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

	Strike=	Dip=	Slip=
NP1:	128	40	107
NP2:	287	52	77

29 05 25 51.52 4.497S 102.018E 42km
5.3mb (22 obs.) 5.0Msz (10 abs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 05:25:53.8 0.8
Lat 4.93S 0.05 Lan 101.77E 0.07
Dep 44.5 3.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.28	71	52
N	0.37	6	302
P	-1.65	17	210

Best Double Couple:Ma=1.5*10**17

	Strike=	Dip=	Slip=
NP1:	290	28	77
NP2:	126	63	97

30 01 34 31.90 6.759S 130.517E 107km
5.1mb (22 abs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centraid Location:
Origin Time 01:34:36.9 0.8
Lat 6.78S 0.08 Lan 130.31E 0.14
Dep 103.7 4.8 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.31	35	311
N	2.22	55	128
P	-7.54	1	220

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

	Strike=	Dip=	Slip=
NP1:	350	65	155
NP2:	91	67	27

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

ANNOUNCEMENT

A machine-reodoble versian of the Earthquake Doto Report (EDR) is naw available on floppy disk from the U.S. Geologicol Survey's Books ond Open-File Reports Section, beginning with the EDR for Januory 1989. The disks are 1.2 megabyte, 5 1/4-inch diskettes ond most manths use 3 disks. The current price is $18.00 for o normol (3-disk) month. The EDR is a listing of oll doto which are used to compute the hypocenters printed in the Preliminory Determinotion of Epicenters, Manthly Listing

For more information about this new service, coll Jon Jocobs (NEIC) ot 303-236-1500, or coll Books ond Open-File Reports Section ot 303-236-7476.

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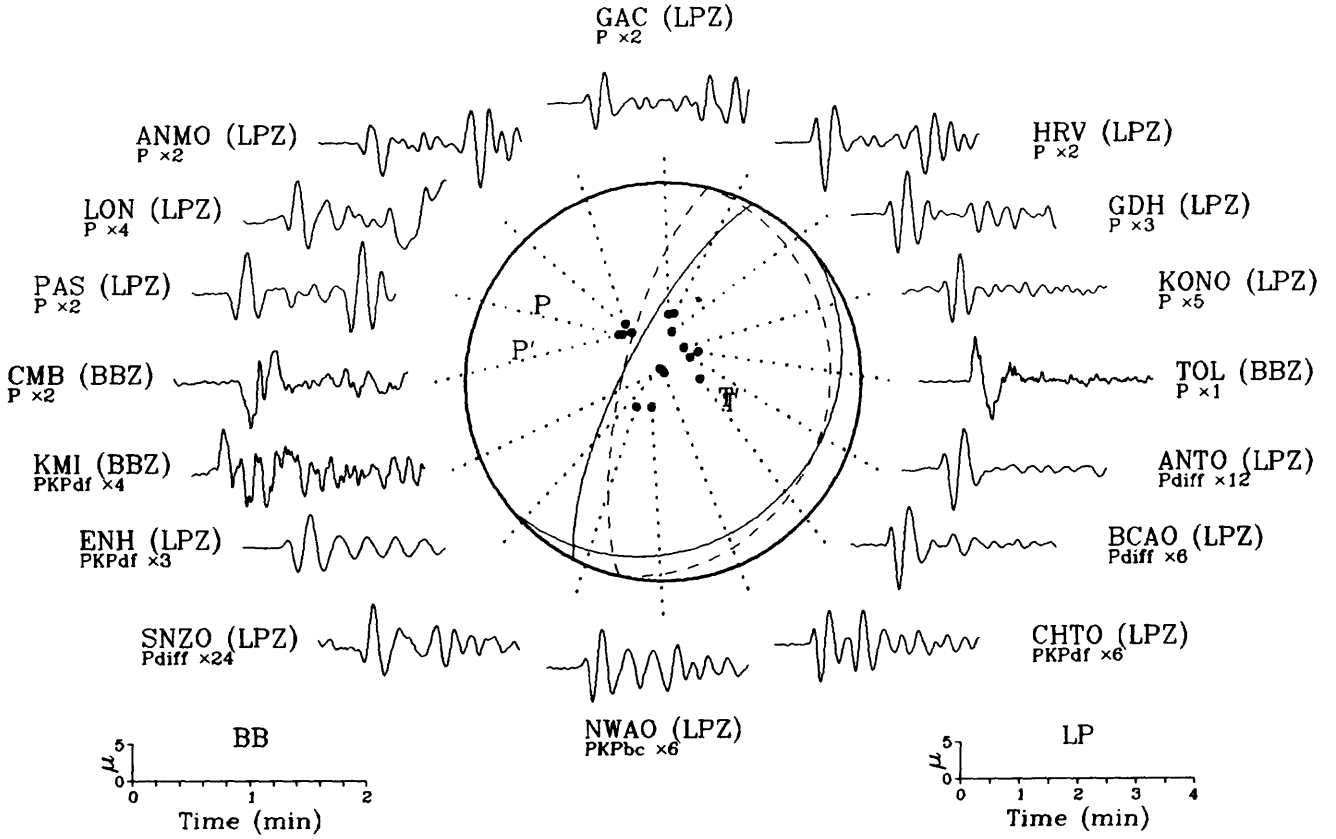
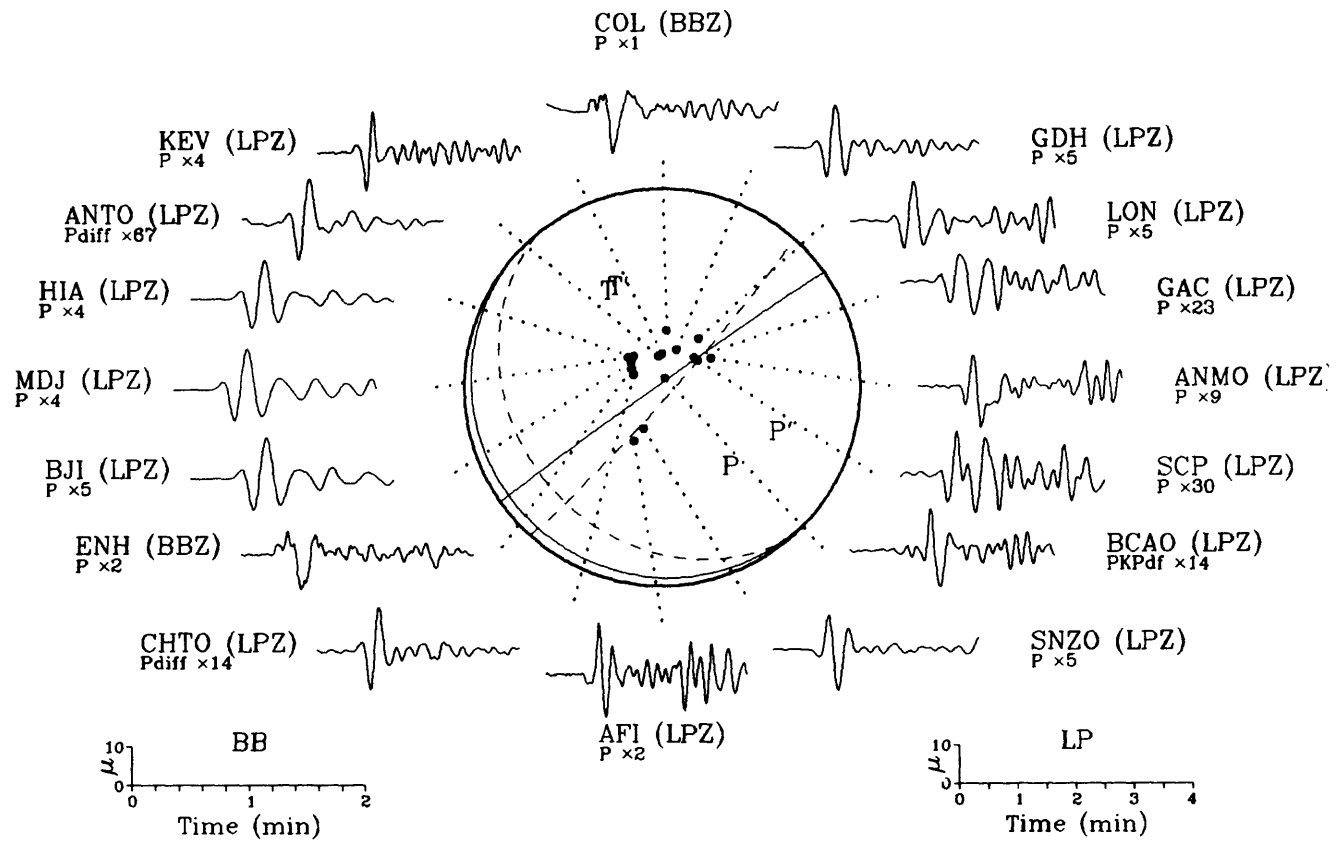
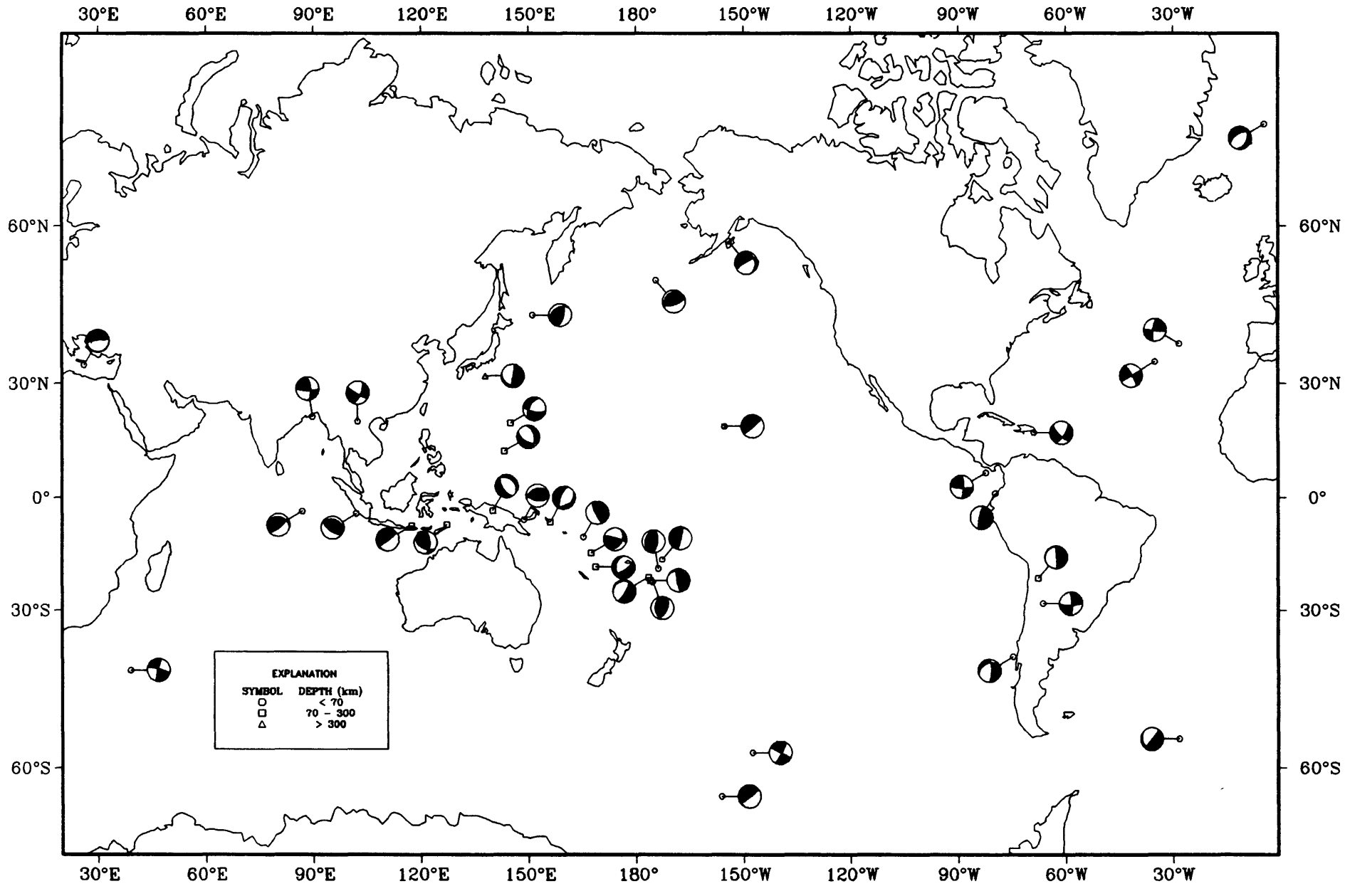
25 June 1989 20:37:32.46
Near Coast of Ecuador

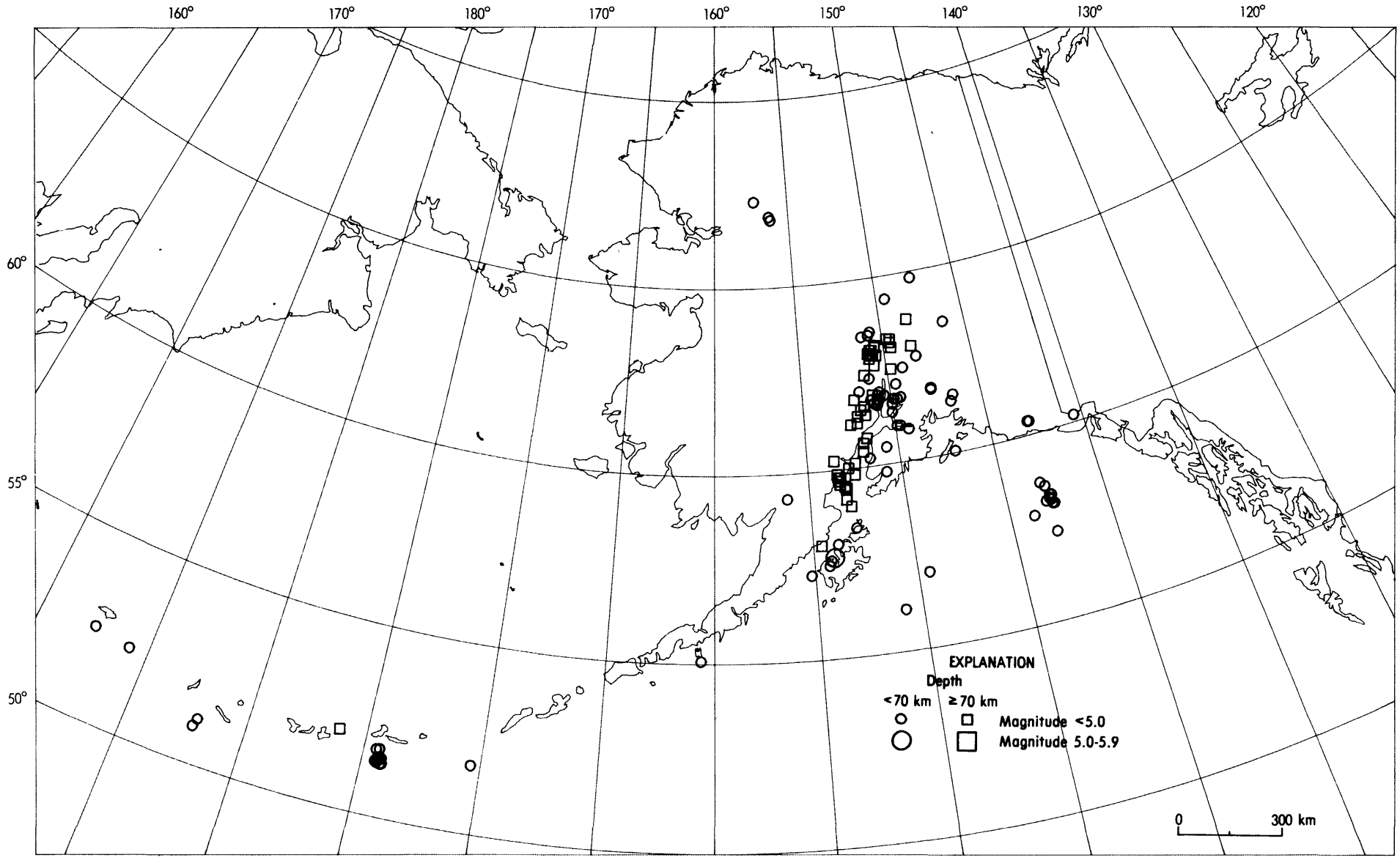


26 June 1989 03:27:03.96
Hawaii

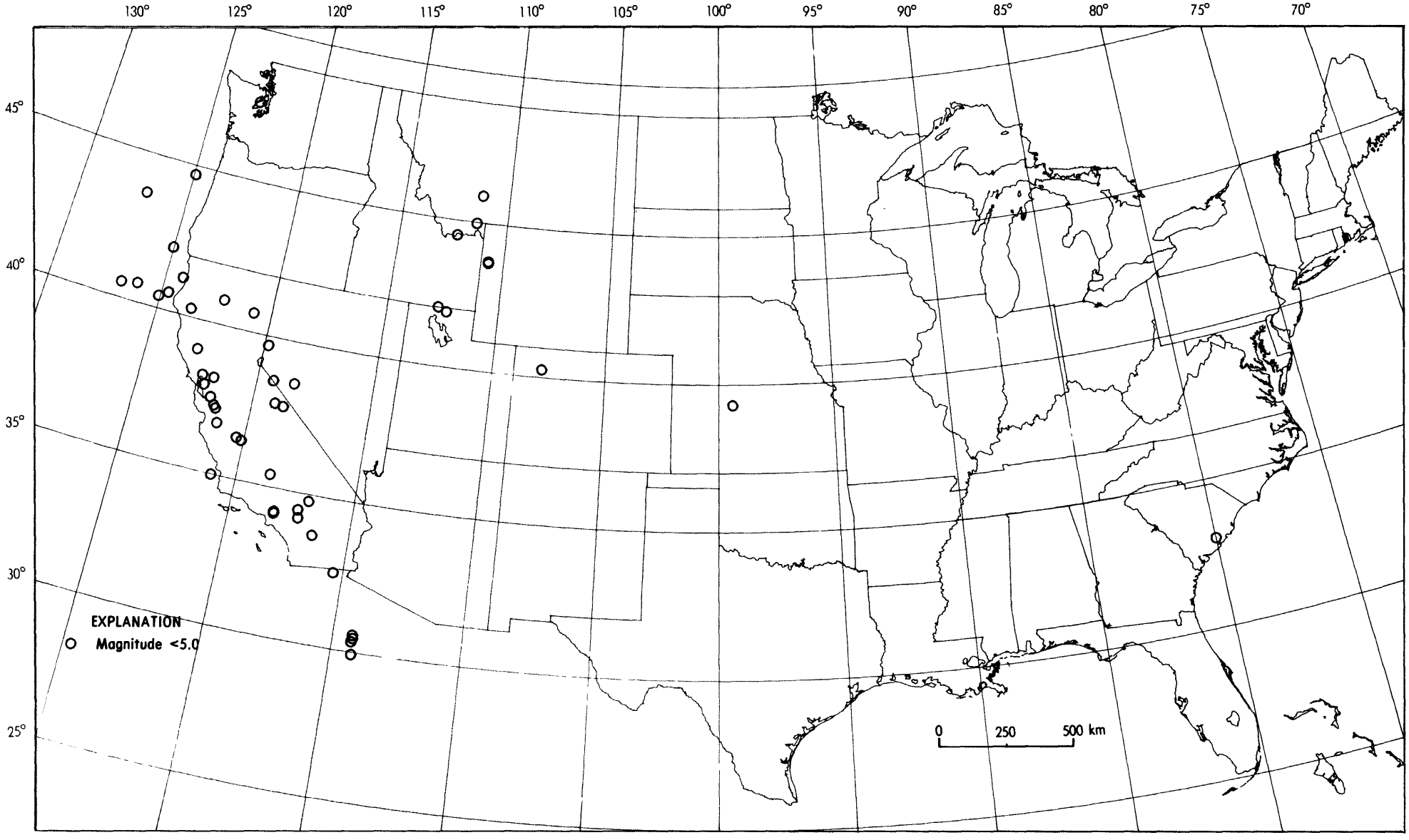


Earthquake Focal Mechanisms for June 1989

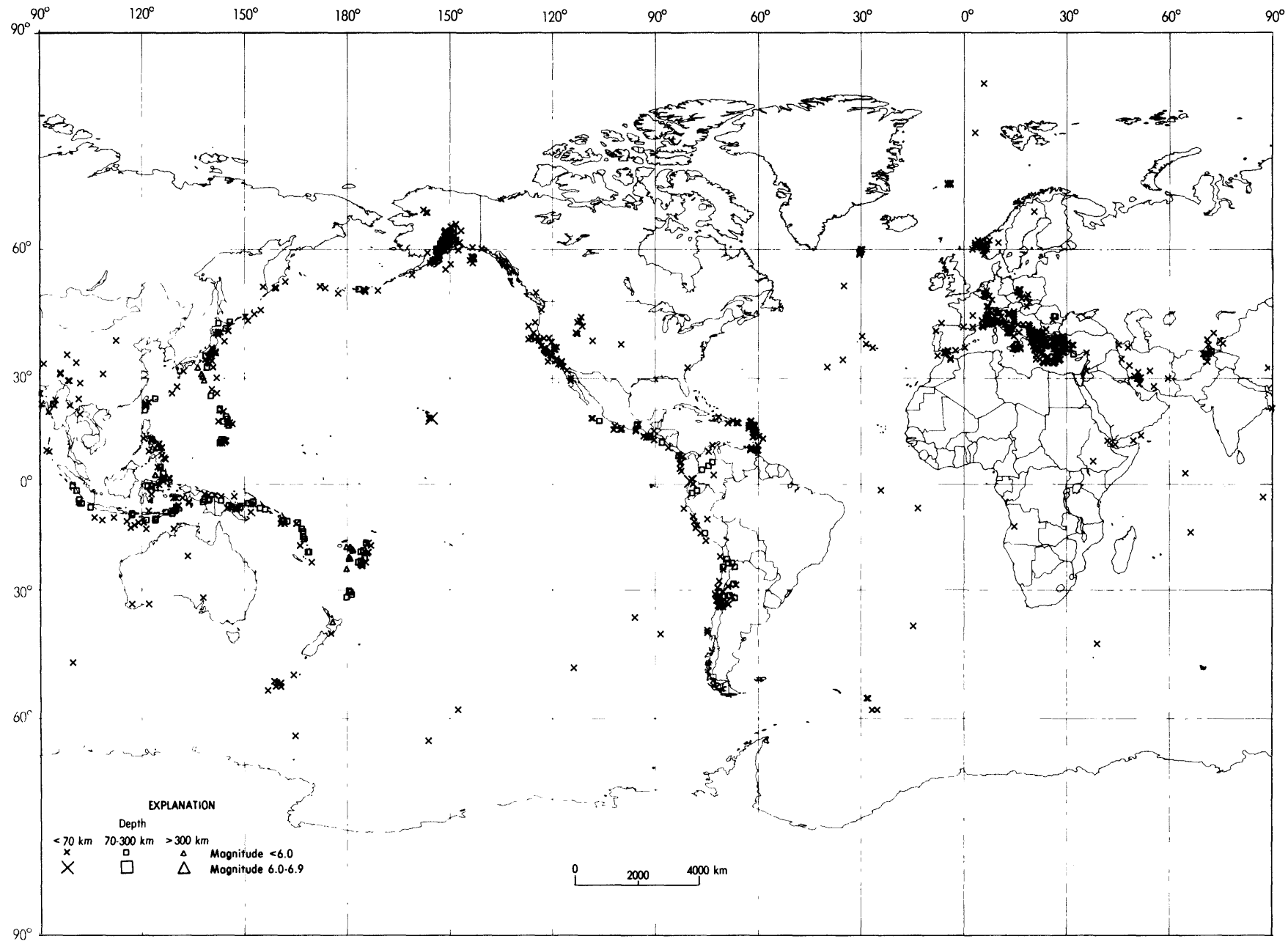




Earthquake epicenters in Alaska and adjacent regions for June, 1989 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for June, 1989 (C. Stover).



Earthquakes located in June, 1989 (C. Stover).