UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

APRIL - JUNE 1990

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

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1990

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National Earthquake Information Center

APRIL 1990

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	23.3	39.939	N	24.032	E	12	3.8		1.2	69	AEGEAN SEA. ML 3.9 (THE), 3.8 (ATH).
	01	00	17	38.6*	39.948	N	23.788	E	10 G			0.8	5	AEGEAN SEA
	01	00	20	58.7?	37.81	N	5.59	W	10 G			1.5	4	SPAIN. mbLg 3.2 (MDD). Felt (III) at San Nicolas Puerto.
	01	00	46	48.2	35.814	N	70.943	E	75 *	5.1		1.0	162	HINDU KUSH REGION
	01	01	10	16.5	40.941	N	19.987	E	10 G			1.0	28	ALBANIA. ML 3.3 (SKO), 3.1 (THE), 3.0 (TTG).
	01	01	22	11.1	40.005	N	23.816	E	10 G			0.9	14	GREECE. MD 3.4 (ATH).
	01	01	53	47.3	37.817	N	21.424	E	10 G			1.2	14	SOUTHERN GREECE. ML 3.2 (ATH).
	01	02	50	48.4	39.943	N	23.932	E	7			1.0	23	AEGEAN SEA ML 3.5 (ATH), 3.2 (THE).
	01	03	25	55.9&	47.809	N	119.161	W	8				25	WASHINGTON. <SEA>. CL 2.8 (SEA).
	01	04	05	48.7	45.865	N	15.869	E	10 G			0.3	9	YUGOSLAVIA. ML 2.5 (LJU) MD 3.0 (TRI). Felt at Bistra and Samobor.
	01	05	07	36.1	68.061	N	154.440	W	10 G	3.6		1.2	12	ALASKA. ML 4.0 (PMR).
	01	05	29	02.5*	38.090	N	21.645	E	10 G			1.5	10	GREECE. ML 3.1 (ATH).
	01	07	43	12.0*	34.415	N	138.166	E	42 *	3.9		0.6	13	NEAR S. COAST OF HONSHU, JAPAN
	01	08	26	52.5*	35.080	N	45.493	E	33 N			1.5	8	IRAN-IRAQ BORDER REGION
	01	09	15	54.2*	18.369	S	177.844	W	608 *	4.4		0.9	40	FIJI ISLANDS REGION
	01	09	28	51.3?	31.29	S	69.21	W	33 N			1.1	6	SAN JUAN PROVINCE, ARGENTINA
	01	10	35	12.3?	12.07	S	122.06	E	33 N	3.9		1.5	9	SOUTH OF TIMOR
	01	10	52	36.2*	34.973	S	67.299	W	29 *	4.5		0.8	17	MENDOZA PROVINCE, ARGENTINA. Felt (II) at Mendaza.
	01	10	55	05.1	40.358	N	21.996	E	10 G			1.4	6	GREECE. MD 3.3 (ATH).
	01	11	36	39.6*	5.811	S	129.826	E	218 *	4.8		0.6	13	BANDA SEA
	01	11	38	04.3&	36.812	N	121.577	W	7				13	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	01	12	04	32.8?	36.51	S	149.32	E	10 G			1.0	5	NEAR S.E. COAST OF AUSTRALIA. ML 3.4 (CNB), 3.4 (RIV), 3.2 (TOO).
	01	12	07	04.3	31.696	S	72.028	W	59 *	4.9		0.7	22	OFF COAST OF CENTRAL CHILE
	01	12	58	15.3%	31.118	S	69.119	W	33 N			0.9	6	SAN JUAN PROVINCE, ARGENTINA
	01	13	04	39.8%	42.965	N	1.141	W	10 G			0.2	9	PYRENEES. MD 2.0 (STR).
	01	13	50	04.1	39.977	N	23.885	E	10 G			1.0	10	AEGEAN SEA. MD 2.9 (ATH).
	01	13	52	22.8&	37.270	N	121.625	W	6				13	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	01	14	48	39.9*	43.192	N	13.291	E	10 G			1.5	6	CENTRAL ITALY
	01	15	13	38.8?	46.23	N	2.67	E	5 G			0.2	4	FRANCE. ML 1.7 (LDG).
	01	15	38	54.2*	23.357	S	111.733	W	10 G	4.8		0.7	21	EASTER ISLAND REGION
a	01	16	13	05.3	24.358	N	141.188	E	208 D	5.3		1.0	171	VOLCANO ISLANDS REGION
	01	17	06	20.2?	31.51	S	69.00	W	33 N			1.1	5	SAN JUAN PROVINCE, ARGENTINA
	01	17	46	21.8?	33.72	S	71.61	W	10 G			1.4	7	NEAR COAST OF CENTRAL CHILE
	01	17	50	08.5	29.912	S	73.044	W	33 N			0.7	14	OFF COAST OF CENTRAL CHILE
	01	18	01	19.8?	20.88	N	123.82	E	33 N	3.8		1.4	5	PHILIPPINE ISLANDS REGION
	01	18	13	52.7*	15.729	N	60.479	W	33 N			0.2	9	LEEWARD ISLANDS. ML 2.8 (FDF).
	01	18	42	04.3%	40.971	N	14.491	E	10 G			0.2	5	SOUTHERN ITALY
	01	19	13	32.6	43.180	N	1.418	W	29			0 8	41	PYRENEES. ML 3.8 (LDG). mbLg 3.7 (MDD), 3.6 (UCC). MD 2.9 (STR). Felt (IV) at St. Jean Pied de Port, France. Felt in parts of the Basque region af France and Spain.
	01	19	25	55.2?	47.19	N	14.39	E	10 G			0.0	4	AUSTRIA. ML 2.8 (VKA), 1.9 (KBA). Felt (IV) at Ober Zeiring.
	01	19	29	16.7%	41.164	N	14.801	E	10 G			0.2	6	SOUTHERN ITALY
	01	19	59	02.0%	41.255	N	15.018	E	10 G			1 2	5	SOUTHERN ITALY
	01	20	30	15.7%	31.443	S	68.178	W	10 G			0.4	5	SAN JUAN PROVINCE, ARGENTINA
	01	21	27	45.8%	41.090	N	14.731	E	10 G			0.4	6	SOUTHERN ITALY
	01	22	24	27.5*	39.945	N	23.955	E	10 G			1.0	7	AEGEAN SEA
	01	22	31	24.4	37.802	N	13.165	E	10 G			1.5	9	SICILY
	01	22	35	48.2?	42.86	N	147.02	E	33 N	4.2		0.9	9	OFF COAST OF HOKKAIDO, JAPAN
	02	00	21	25.8?	42.61	N	18.24	E	10 G			0.6	5	YUGOSLAVIA. ML 2.1 (TTG).
	02	01	10	37.8?	42.98	N	1.81	W	5 G			0.3	8	PYRENEES
	02	02	36	13.0	35.373	N	3.680	W	10 G			1.2	7	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	02	03	40	44.5*	29.660	N	138.150	E	493 *	4.0		0.5	13	SOUTH OF HONSHU, JAPAN
	02	03	47	48.1?	33.42	S	72.92	W	10 G			0.4	9	OFF COAST OF CENTRAL CHILE
	02	05	11	20.1	8.248	N	127.058	E	47 ?	4.8	4.0	1.4	28	PHILIPPINE ISLANDS REGION

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	02	05	16	27.2*	34.037	S	70.528	W	10	G			1.4	13	CHILE-ARGENTINA BORDER REGION
	02	05	21	02.7	43.900	N	7.217	E	10	G			1.0	12	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG), 2.0 (STR).
	02	05	42	42.3*	16.055	N	61.208	W	10	G			0.6	5	LEEWARD ISLANDS. ML 1.9 (FDF).
	02	05	56	09.7	30.805	S	177.729	W	52	D	5.1		1.1	40	KERMADEC ISLANDS
	02	06	20	42.4*	4.691	S	145.538	E	33	N	4.3		0.7	7	NEAR N COAST OF PAPUA NEW GUINEA
	02	06	22	57.6	42.908	N	146.870	E	33	N	4.8	4.0	0.9	55	OFF COAST OF HOKKAIDO, JAPAN
	02	07	38	31.9%	31.160	S	68.979	W	33	N			1.0	5	SAN JUAN PROVINCE, ARGENTINA
	02	08	19	34.1*	10.066	S	154.375	E	33	N	4.9		1.0	19	DENTRECASTEAUX ISLANDS REGION
	02	09	28	17.6%	18.599	N	66.486	W	10	G			0.6	5	PUERTO RICO REGION
	02	09	34	22.7	35.616	N	28.240	E	10	G			0.7	7	EASTERN MEDITERRANEAN SEA. MD 3.7 (ATH).
	02	09	38	58.1	42.901	N	146.898	E	39		5.0	4.0	1.0	97	OFF COAST OF HOKKAIDO, JAPAN
	02	10	45	23.6	47.173	N	11.329	E	10	G			1.3	25	AUSTRIA. ML 3.1 (KBA), 3.0 (LDG).
	02	11	13	22.9&	48.832	N	122.188	W	1		4.2			139	WASHINGTON. <SEA>. CL 4.3 (SEA). Slight damage (VI) at Deming. Felt (V) at Noaksack; (IV) at Acme, Eversan, Ferndale, Glacier, Lynden, Maple Falls and Sumas; (III) at Bellingham. Alsa felt in the Abbatsford-Missian area, British Columbio.
	02	12	22	45.2*	18.005	S	174.858	W	159	?	4.5		1.1	13	TONGA ISLANDS
	02	12	34	02.5	53.453	N	169.866	E	23	D	4.7		0.9	53	KOMANDORSKY ISLANDS REGION
	02	12	38	59.2	29.386	N	141.862	E	33	N	4.9	4.5	1.4	67	SOUTH OF HONSHU, JAPAN
	02	12	44	37.1*	29.359	N	142.054	E	33	N	4.5		1.2	11	SOUTH OF HONSHU, JAPAN
	02	13	46	31.7	52.314	N	2.985	W	18		4.7		1.3	189	UNITED KINGDOM. ML 5.1 (LDG), 5.2 (BGS). MD 4.8 (STR). Damage (VI) in the Wrexham-Welshpoal-Shrewsbury area. Some buildings damaged in Manchester and Liverpool. Felt throughout Wales, in eastern Ireland and in England from Newcastle-upon-Tyne to Kent and Cornwall.
	02	13	49	42.9*	32.694	S	72.711	W	33	N			1.3	19	OFF COAST OF CENTRAL CHILE
o	02	13	56	34.8	32.672	S	72.086	W	41		5.6	5.5	1.1	113	OFF COAST OF CENTRAL CHILE. Ms 5.4 (PAS). Felt (III) at Valparaiso.
	02	14	41	47.9*	49.245	N	156.322	E	33	N	4.9	5.1	0.8	38	KURIL ISLANDS
	02	14	50	00.4%	43.988	N	7.150	E	10	G			0.7	7	NEAR SOUTH COAST OF FRANCE
	02	14	52	47.9*	32.817	S	71.809	W	10	G			0.9	16	NEAR COAST OF CENTRAL CHILE
	02	15	10	07.1%	44.402	N	7.386	E	10	G			0.4	6	NORTHERN ITALY. ML 2.0 (GEN).
	02	15	11	40.1?	33.12	S	71.69	W	10	G			1.1	7	NEAR COAST OF CENTRAL CHILE
	02	16	04	21*.0*	2.745	N	126.866	E	33	N	4.9		0.5	9	MOLUCCA PASSAGE
	02	16	35	00.7?	31.47	S	68.51	W	33	N			1.0	5	SAN JUAN PROVINCE, ARGENTINA
	02	18	19	51.4*	33.405	N	68.923	E	33	N	4.4		1.0	14	AFGHANISTAN
	02	18	26	43.5*	36.552	N	25.533	E	10	G			1.5	5	DODECANESE ISLANDS ML 3 4 (ATH).
	02	18	32	30.2	38.758	N	20.840	E	10				1.1	31	GREECE. ML 3.6 (ATH), 3.3 (THE).
	02	19	00	20.7?	44.34	N	7.30	E	9	G			0.1	4	NORTHERN ITALY. ML 1.5 (GEN)
o	02	19	06	10.9	33.192	N	68.294	E	13	D	5.1	4.6	1.1	111	AFGHANISTAN
	02	19	08	09.5?	18.02	N	66.86	W	33	N			0.4	5	PUERTO RICO REGION
	02	19	25	25.5&	31.670	N	115.920	W	6	G				5	BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	02	20	28	56.7*	41.221	N	19.770	E	10	G			0.9	8	ALBANIA. ML 2.6 (SKO), 2.0 (TTG).
	02	22	00	39.0	44.524	N	7.316	E	10	G			0.4	7	NORTHERN ITALY. ML 2.0 (GEN).
	02	22	48	36.2?	32.43	S	72.54	W	33	N			0.4	9	OFF COAST OF CENTRAL CHILE
	02	23	16	36.7*	36.380	N	28.901	E	10	G			0.2	5	DODECANESE ISLANDS
	02	23	40	05.3?	44.99	N	14.90	E	5	G			0.8	8	ADRIATIC SEA. ML 2.2 (KBA). MD 2.7 (TRI), 2.6 (LJU).
	03	01	08	17.0*	31.736	N	78.731	E	51	?	3.9		1.4	18	TIBET-INDIA BORDER REGION
	03	01	40	19.8	40.483	N	23.547	E	10	G			1.0	11	GREECE
	03	01	58	37.1?	32.85	S	71 91	W	33	N			0.9	10	NEAR COAST OF CENTRAL CHILE
	03	02	18	20.8&	48.836	N	122 175	W	2		4.1			111	WASHINGTON. <SEA>. ML 4.1 (SEA). Felt (V) at Deming and Nooksack; (IV) at Blaine, Bow, Lyman, Lynden and Maunt Vernon; (III) Acme, Bellingham, Custer, Everson, Glacier, Mople Folls, Sedro Woolley and Sumas.
	03	02	55	17.3	13.095	N	124.864	E	30	D	4.8		1.3	36	LUZON, PHILIPPINE ISLANDS
	03	03	29	50.3%	42.437	N	13.078	E	10	G			0.9	9	CENTRAL ITALY
	03	04	33	09.6*	9.947	S	119.396	E	33	N	3.8		1.1	7	SUMBA ISLAND REGION
	03	06	02	10.5?	31.25	S	68.86	W	110	G			0.1	6	SAN JUAN PROVINCE, ARGENTINA
	03	06	48	23.6*	9.540	S	110.663	E	33	N	3.8		1.1	6	SOUTH OF JAVA
f	03	07	33	25.6	5.843	S	147.664	E	88	D	5.8		0.9	248	EAST PAPUA NEW GUINEA REGION
	03	09	38	53.1*	16.521	N	146.021	E	33	N	3.9		0.6	8	MARIANA ISLANDS
	03	09	50	41.4%	43.107	N	0.620	W	10	G			0.4	8	PYRENEES. MD 1.0 (STR).
	03	10	01	45.5&	36.845	N	121.598	W	5					16	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	03	11	29	44.8*	53.704	N	160.384	E	33	N	4.5		0.9	17	NEAR EAST COAST OF KAMCHATKA
	03	11	38	29.2?	3.06	S	139.93	E	33	N	4.0		1.3	7	WEST IRIAN
	03	11	52	06.2?	9.94	N	84.84	W	33	N	4.6		1.1	27	COSTA RICA. MD 4.3 (SJR). Felt (IV) at Portegolpe and (III) at Filadelfio.
	03	11	54	12.1	2.829	S	140.352	E	33	N	4.9		0.6	17	NEAR N. COAST OF WEST IRIAN
	03	13	28	21.5?	59.94	N	2.70	E	10	G			0.3	6	NORTH SEA. MD 1.9 (BER).
	03	16	49	49.7	5.614	S	113.010	E	36	*	4.6	3.7	0.8	17	JAVA SEA
	03	16	53	52.0*	37.881	S	73.117	W	33	N	5.1	4.7	0.9	31	NEAR COAST OF CENTRAL CHILE
	03	17	27	05.2?	28.99	N	128.77	E	33	N	4.9		1.1	13	RYUKYU ISLANDS
	03	17	36	14.5	37.103	N	73.177	E	33	N	4.9	4.1	1.4	55	TAJIK SSR. Felt (II) at Kharog.
	03	17	46	48.7*	6.011	S	147.811	E	109	*	4.7		1.1	11	EAST PAPUA NEW GUINEA REGION
	03	17	53	38.1&	48.820	N	122.178	W	2					33	WASHINGTON. <SEA>. CL 2.4 (SEA).
	03	19	38	36.3*	21.625	N	144.171	E	131	?	4.5		0.9	32	MARIANA ISLANDS REGION
o	03	20	04	37.0	22.243	S	174.265	E	33	N	5.1	4.8	1 2	58	LOYALTY ISLANDS REGION
	03	20	13	33.1*	12.494	N	87 130	W	81	D	4.6		1 0	29	NEAR COAST OF NICARAGUA. Felt at Managua and in western Nicaraguo. Felt (II) at San Salvador, El Salvador.
	03	21	12	14.1&	38.835	N	122.793	W	2					18	NORTHERN CALIFORNIA. <BRK>. ML 4.1 (BRK). Mo=1.4*10**15 Nm (BRK). Felt (IV) at Cobb and Loch Lomond. Also felt at Finley and The Geysers.
	03	22	02	37.1	43.419	N	17.387	E	10	G	5.1		1.3	237	YUGOSLAVIA. ML 5.6 (ATH), 5.0 (TTG), 4.9 (ZAG), 4.7 (ROM). MD 5.1 (STR), 4.8 (TRI), 4.5 (FIR). Felt (VII) in the Imotski orea. Also felt at Sinj, Zenica, Sarajevo, Mostor, Makarska and on Brac.
	03	22	51	16.6?	33.40	S	72.12	W	27	*			0.6	8	OFF COAST OF CENTRAL CHILE
f	03	22	57	00.9	11.426	N	86.301	W	53		5.5	6.4	1.3	320	NEAR COAST OF NICARAGUA. Ms 6.7 (BRK), 5.9 (PAS). MD 6 6 (UPA), 5.9 (SJR). Mo=2.0*10**19 Nm (PPT). Felt (V) ot Rivas and (IV) at Managua. Felt throughout much of Nicaraguo. Felt (V) at Cuajiniquil and Liberia, (IV) ot Puntorenos, (III) ot San Jose and (II) at Limon, Casta

														Rica. Also felt (II) at San Salvadar, El Salvadar.
	03	23	12	14.6	11.459	N	86.393	W	64		5.0	1.1	167	NEAR COAST OF NICARAGUA. MD 5.2 (SJR). Felt in much of Nicaragua. Felt (IV) at Cuajiniquil and (III) at Liberia, Costa Rica. Alsa felt in the Central Valley af Costa Rica.
	04	00	44	59.2*	11.531	N	86.105	W	33	N	4.7	1.1	18	NEAR COAST OF NICARAGUA. MD 4.5 (SJR). Felt (II) at Cuajiniquil and La Cruz, Costa Rica.
	04	01	41	56.5	45.761	N	10.925	E	10	G		1.0	67	NORTHERN ITALY. ML 3.7 (GRF), 3.5 (FUR), 3.4 (KBA), 3.3 (LDG), 2.6 (LJU). MD 3.2 (FIR).
	04	02	00	48.9*	37.802	S	72.876	W	33	N	4.6	1.0	15	CENTRAL CHILE
	04	02	13	39.8&	34.330	N	117.090	W	6				32	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS). Felt (IV) at Apple Valley, Crest Park and Lucerne Valley; (III) at Redlands and March Air Farce Base. Also felt at Fawnskin, Riverside and San Bernardina.
a	04	04	19	25.0	11.608	N	86.425	W	61		5.1	1.3	220	NEAR COAST OF NICARAGUA. Ms 5.6 (BRK). MD 5.1 (SJR). Felt at Managua. Felt (IV) at Cuajiniquil, (III) at Liberia and (II) at Atenas, Costa Rica.
	04	05	03	34.8?	45.68	N	14.28	E	10	G		1.4	6	YUGOSLAVIA. ML 2.5 (KBA). MD 2.5 (LJU).
a	04	05	40	09.1	21.579	S	173.897	W	36	D	5.2 4.9	1.1	87	TONGA ISLANDS
a	04	05	47	10.5	16.179	S	72.974	W	93		5.5	1.3	147	NEAR COAST OF PERU. Felt (III) at Arequipa.
	04	06	19	40.1*	31.239	S	68.928	W	33	N		1.3	6	SAN JUAN PROVINCE, ARGENTINA
	04	06	20	10.3	37.166	N	10.338	E	10	G	4.4	1.2	25	TUNISIA. ML 3.7 (ROM).
	04	06	37	03.5	17.936	S	178.761	W	574		5.0	0.8	125	FIJI ISLANDS REGION
	04	07	00	22.4&	19.493	N	155.458	W	0				46	HAWAII. <HVO-P>. MD 4.1 (HVO). Felt (II) at Volcano.
	04	07	28	51.5*	17.323	N	61.257	W	15			0.4	7	LEEWARD ISLANDS. ML 2.8 (FDF). MD 2.8 (TRN).
	04	08	14	32.6*	22.705	S	68.724	W	107	*	4.3	1.4	10	NORTHERN CHILE
	04	08	54	39.3&	32.970	N	117.810	W	6		4.5		60	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 4.0 (PAS). Felt (V) at La Jolla, Paway and San Diega; (IV) at El Cajon, Encinitas, Julian, Lakeside, San Juan Capistrano, Santee, San Marcos and Spring Valley; (III) at Chula Vista, La Mesa, Oceanside, Santa Ana and San Luis Rey, Californio.
a	04	09	07	27.2	0.788	S	122.323	E	33		5.1 4.5	1.3	45	MINAHASSA PENINSULA
	04	11	15	55.5*	24.343	S	64.985	W	33	N	5.0	1.4	8	SALTA PROVINCE, ARGENTINA
	04	11	59	35.3	16.437	N	145.868	E	55	D	4.8	1.2	41	MARIANA ISLANDS
	04	12	01	03.7?	16.93	N	144.69	E	33	N	4.8	0.9	9	MARIANA ISLANDS REGION
	04	12	16	14.5?	61.23	N	150.54	W	94	?		1.6	7	SOUTHERN ALASKA
	04	12	18	24.4?	42.77	N	19.17	E	10	G		0.3	4	YUGOSLAVIA. ML 2.0 (TTG).
	04	12	28	51.2	17.021	N	61.025	W	50	*	4.1	0.7	21	LEEWARD ISLANDS. MD 3.8 (TRN).
	04	12	53	33.5%	61.441	N	5.306	E	10	G		0.8	6	SOUTHERN NORWAY. MD 3.0 (BER).
	04	13	48	11.1*	55.807	S	28.021	W	33	N	5.2 3.9	1.1	22	SOUTH SANDWICH ISLANDS REGION
	04	14	07	42.3*	59.566	N	152.365	W	33	N		0.5	5	SOUTHERN ALASKA
	04	15	03	38.1	38.273	N	15.055	E	10	G		0.8	8	SICILY
	04	15	07	53.5?	44.50	N	8.43	E	10	G		0 9	8	NORTHERN ITALY. MD 2.3 (STR).
	04	15	13	56.0*	5.148	S	130.430	E	103	*	4.7	1.1	15	BANDA SEA
	04	15	57	46.5?	45.99	N	2.08	E	10	G		1.2	4	FRANCE. ML 1.9 (LDG).
	04	16	37	07.0*	33.337	S	70.578	W	10	G		1.4	6	CHILE-ARGENTINA BORDER REGION
	04	16	59	59.7*	16.638	N	99 298	W	30		4.4 4.0	1.3	20	NEAR COAST OF GUERRERO, MEXICO
	04	17	08	15.3*	16.751	N	99.139	W	10	G	4.3 4.3	1.1	34	NEAR COAST OF GUERRERO, MEXICO. Felt strongly at Acapulco.
	04	17	08	49.7	45.797	N	10.960	E	10	G		0.8	12	NORTHERN ITALY. ML 2.4 (KBA).
	04	17	31	28.8*	39.104	N	72.315	E	33	N	4.5 4.1	1.5	12	KIRGHIZ SSR. Felt (IV) in the Daraut-Kurgan area.
	04	18	53	27.4?	46.22	N	3.07	E	10	G		0.2	4	FRANCE. ML 1.8 (LDG).
	04	19	29	59.0*	16.524	N	145.971	E	33	N	4.5	1.1	9	MARIANA ISLANDS
	04	19	51	48 9*	4.738	S	151.645	E	31	*	4.9	1.3	20	NEW BRITAIN REGION
	04	20	19	14.2	61 324	N	135.943	W	10	G	4.6	1.2	45	SOUTHERN YUKON TERRITORY, CANADA. ML 4.8 (PMR). Felt (III) at Whitehorse.
	04	20	29	04.9%	44 428	N	7.284	E	10	G		0.2	6	NORTHERN ITALY. ML 1.9 (GEN).
	04	20	45	57 8*	17.314	N	61.680	W	33	N		0.6	5	LEEWARD ISLANDS. ML 3.8 (FDF).
	04	21	12	10.8?	32.60	S	72.41	W	10	G		0.8	8	OFF COAST OF CENTRAL CHILE
	04	21	15	34.1%	41.893	N	12.779	E	10	G		0.9	5	SOUTHERN ITALY
	04	21	42	33.6&	48.717	N	112.370	W	6				8	MONTANA. <BUT>. ML 3.1 (BUT). Felt at Cutbank.
	04	23	34	38.8%	1 025	S	78.255	W	10	G		0.2	7	ECUADOR
	04	23	47	44.1&	33.860	N	116.200	W	5				18	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	04	23	53	02.8*	42.938	N	16.614	E	10	G		0.6	5	ADRIATIC SEA
	05	00	21	15.0	23.547	N	121.722	E	36		5.2	0.9	114	TAIWAN
	05	01	55	26.3%	33.638	S	70.693	W	33	N		1.3	7	CHILE-ARGENTINA BORDER REGION
	05	01	56	40.1?	9.68	N	59.09	W	33	N		0.9	8	NORTH ATLANTIC OCEAN. MD 3.8 (TRN).
	05	02	22	52.5?	44.74	N	6.64	E	10	G		0.0	4	FRANCE. ML 2.2 (GEN).
	05	02	24	09.3?	49.18	N	7.09	E	10	G		0.5	5	GERMANY
	05	03	05	26.1*	11.076	N	86 462	W	33	N	4.6	1.4	46	NEAR COAST OF NICARAGUA
	05	04	35	13.3	36.470	N	71.182	E	206	*	4.3	0 7	33	AFGHANISTAN-USSR BORDER REGION
	05	04	44	30.1	19.453	S	68.983	W	131		4.9	1.3	61	CHILE-BOLIVIA BORDER REGION
	05	04	48	36.7	43.386	N	17.419	E	14			1.1	65	YUGOSLAVIA ML 3.7 (KBA), 3.6 (TTG), 3.5 (ZAG). MD 4.0 (TRI) Felt in the Imotski area.
a	05	04	50	52.0*	56.722	S	146.762	E	10	G	5.0	1.1	15	WEST OF MACQUARIE ISLAND
	05	06	09	05.3?	8.87	S	124.40	E	181	?	4.3	1.3	6	TIMOR
	05	06	27	34.6*	45.091	N	15.690	E	5	G		1.3	10	YUGOSLAVIA. MD 3.3 (LJU). ML 2.8 (KBA), 2.4 (ZAG). Felt at Bela Krojino and Lukovdol.
	05	07	57	42.5	45.312	N	23.096	E	10	G		1.2	6	ROMANIA
	05	08	48	12.0*	11.501	S	166.470	E	113	?	4.2	0.6	16	SANTA CRUZ ISLANDS
	05	09	56	40.1	35.589	N	73.877	E	33	N	5.4	0.9	14	NORTHWESTERN KASHMIR
	05	10	15	54.3	38.443	N	118.350	W	5	G		0.1	6	CALIFORNIA-NEVADA BORDER REGION. ML 3.4 (NEIS). Felt (II) at Mino, Nevado.
	05	12	26	25.0*	29.350	N	142 050	E	33	N	4.5	1.1	15	SOUTH OF HONSHU, JAPAN
	05	12	27	42.3	41.282	N	20.964	E	10	G		1.2	11	ALBANIA. ML 3.0 (SKO), 2.5 (TTG).
	05	13	10	55.4%	60.481	N	5.380	E	10	G		0.5	6	SOUTHERN NORWAY. MD 1.1 (BER).
	05	13	25	47.9	35.305	N	22.168	E	56	*		1.3	25	MEDITERRANEAN SEA. MD 3.8 (ATH).
	05	13	32	21.8*	40.957	S	81.172	E	10	G	5.2 4.6	0.8	18	MID-INDIAN RISE
	05	13	50	12.9*	42.121	N	15.971	E	10	G		0.6	9	ADRIATIC SEA
	05	14	19	23.9	45.794	N	17.885	E	10	G		1.1	32	YUGOSLAVIA. MD 3.8 (TRI). ML 3.7 (VKA), 3.5 (KBA).
	05	14	29	29.0*	17.627	S	173.007	W	75	*	4.4	0.9	24	TONGA ISLANDS
	05	15	49	21.8	44.821	N	7.292	E	10	G		0.9	17	NORTHERN ITALY. ML 2.5 (GEN), 2.4 (LDG).

	05	15	52	41.3?	30.87	S	68.99	W	33	N		1.0	5	SAN JUAN PROVINCE, ARGENTINA
	05	15	55	43.3&	48.844	N	122.174	W	5				57	WASHINGTON. <SEA>. CL 2.7 (SEA). Felt at Deming.
	05	18	18	28.8	44.806	N	7.317	E	10	G		1.3	12	NORTHERN ITALY. ML 2.2 (GEN).
	05	18	27	48.6&	60.174	N	152.854	W	120		2.8		45	SOUTHERN ALASKA. <AGS-P>.
a	05	19	20	44.1	2.927	S	35.891	E	10	G	4.9	1.2	42	TANZANIA. mbLg 5.2 (BUL).
	05	20	41	34.3?	7.80	S	119.75	E	199	?	4.3	1.2	7	FLORES SEA
f	05	21	12	35.5	15.125	N	147.596	E	11	G	6.5 7.5	1.2	328	MARIANA ISLANDS REGION. Ms 7.3 (PAS), 7.2 (BRK). Mo=3.0*10**20 Nm (PPT). Felt (IV) on Guam. Also felt on Saipan. A small tsunami was generated with maximum wave heights (peak-to-trough) at selected tide stations as follows: 24 cm at Murato-misaki, 24 cm at Kailua-Kona, 23 cm on Chichi-shima, 22 cm at Tosashimizu, 19 cm at Yaene, 6 cm on Midway, 4 cm on Wake Island and 3 cm on Truk. A tsunami was also observed on Guam and reported on Tinian and Saipan. Two events about 6 seconds apart. Depth from broadband displacement seismograms, based on second event.
	05	21	22	31.3	15.331	N	147.553	E	33	N	5.7	1.0	67	MARIANA ISLANDS REGION
	05	21	32	21.9*	15.303	N	147.507	E	33	N	5.3	0.9	25	MARIANA ISLANDS REGION
	05	21	57	09.1	15.529	N	147.769	E	10	G	5.2	0.9	48	MARIANA ISLANDS REGION
	05	22	25	10.2	41.245	N	21.024	E	10	G		0.9	8	YUGOSLAVIA. ML 2.5 (SKO), 2.4 (TTG).
	05	22	28	39.2	15.323	N	147.603	E	33	N	5.2	0.8	38	MARIANA ISLANDS REGION
	05	22	45	41.9*	15.339	N	147.589	E	33	N	5.0	1.1	19	MARIANA ISLANDS REGION
	05	22	52	59.9	15.552	N	147.529	E	46	D	5.5	0.9	116	MARIANA ISLANDS REGION
	05	23	03	40.8	44.026	N	7.093	E	10	G		0.8	17	NORTHERN ITALY. ML 2.4 (LDG), 2.2 (GEN). MD 1.9 (STR).
	05	23	22	10.7	15.178	N	147.469	E	33	N	4.9	0.8	38	MARIANA ISLANDS REGION
	05	23	23	38.7*	15.572	N	147.572	E	33	N	5.1	1.0	48	MARIANA ISLANDS REGION
	05	23	26	17.4	15.526	N	147.592	E	37	D	5.2	0.9	80	MARIANA ISLANDS REGION
	05	23	30	04.8*	15.186	N	147.429	E	33	N	5.1	0.7	48	MARIANA ISLANDS REGION
	05	23	33	37.1	15.457	N	147.706	E	34	D	5.4	0.9	97	MARIANA ISLANDS REGION
	05	23	44	45.4	15.540	N	147.604	E	37	D	5.0	0.9	55	MARIANA ISLANDS REGION
	05	23	57	12.2*	15.105	N	147.828	E	33	N	5.1	1.1	19	MARIANA ISLANDS REGION
	05	23	58	57.4	15.604	N	147.555	E	33	N	5.3	1.2	71	MARIANA ISLANDS REGION
	06	00	02	26.8	15.198	N	147.510	E	36	D	5.2 5.7	1.0	95	MARIANA ISLANDS REGION
	06	00	51	06.9*	15.567	N	147.602	E	33	N	4.7	0.9	23	MARIANA ISLANDS REGION
	06	01	13	59.7?	15.62	N	147.82	E	33	N	4.9	0.7	17	MARIANA ISLANDS REGION
	06	01	18	40.2?	6.26	N	126.98	E	33	N	4.7	0.8	16	MINDANAO, PHILIPPINE ISLANDS
	06	01	28	07.7	39.442	N	25.519	E	10	G		1.0	15	AEGEAN SEA. ML 3.3 (ATH).
	06	01	37	26.1	15.673	N	147.606	E	23	D	5.0	1.1	62	MARIANA ISLANDS REGION
	06	01	39	47.7?	14.56	N	148.91	E	33	N	4.7	1.4	8	MARIANA ISLANDS REGION
	06	02	06	54 6*	15.274	N	147.731	E	33	N	4.3	1.0	13	MARIANA ISLANDS REGION
	06	02	32	34.5*	40.953	S	80.724	E	10	G	5.7 5.3	1.0	21	MID-INDIAN RISE
	06	02	40	01.7	15.520	N	147.566	E	38	D	5.1 5.0	1.0	91	MARIANA ISLANDS REGION
	06	02	48	05.8	15.571	N	147.574	E	39	D	4.9 5.0	1.0	68	MARIANA ISLANDS REGION
	06	02	54	38.7?	51.72	N	16.49	E	10	G		0.2	7	POLAND
	06	03	19	37.0*	15.560	N	147.491	E	33	N	5.0	0.6	23	MARIANA ISLANDS REGION
	06	03	46	35.1*	15.479	N	147.632	E	33	N	4.5	0.8	17	MARIANA ISLANDS REGION
	06	03	47	07.1*	15.224	N	147.551	E	33	N	5.0	0.9	32	MARIANA ISLANDS REGION
	06	03	49	16.7	43.408	N	5.475	E	5	G		0.6	20	NEAR SOUTH COAST OF FRANCE. MD 2.4 (STR).
	06	03	56	42.0	15.259	N	147.620	E	33	N	5.2 4.2	0.9	84	MARIANA ISLANDS REGION
	06	04	14	13.8?	15.14	N	147.49	E	33	N	4.3	0.6	6	MARIANA ISLANDS REGION
	06	04	24	58.7	15.193	N	147.628	E	33	N	4.9	1.0	53	MARIANA ISLANDS REGION
	06	04	39	08.4	15.252	N	147.510	E	33	N	5.1	0.9	64	MARIANA ISLANDS REGION
	06	04	42	32.0	15.128	N	147.621	E	13		5.5 5.0	1.0	155	MARIANA ISLANDS REGION
	06	04	45	10.5?	15.96	N	147.35	E	33	N	5.1	1.5	30	MARIANA ISLANDS REGION
	06	04	56	53.1&	45.467	N	123 549	W	44				27	WASHINGTON-OREGON BORDER REGION. <SEA>. CL 3.2 (SEA). Felt (III) at Forest Grove, Garibaldi and Rockaway, Oregon.
	06	05	08	00.7	15.070	N	147.624	E	33	N	5.0	0.8	58	MARIANA ISLANDS REGION
	06	05	14	18.4?	15.70	N	148.43	E	33	N	4.9	1.2	15	MARIANA ISLANDS REGION
	06	05	31	20.6	15.178	N	147.507	E	33	N	5.0	0.9	46	MARIANA ISLANDS REGION
o	06	05	43	05.6	41.093	S	80.906	E	10	G	5.6 5.7	0.9	45	MID-INDIAN RISE
a	06	05	47	43.6	6.817	S	105.140	E	33	N	5.5 5.6	1.3	66	SUNDA STRAIT
a	06	06	09	03.0	15.152	S	172.126	W	33	N	5.3 5.6	1.1	160	SAMOA ISLANDS REGION. Ms 5.7 (BRK).
	06	06	17	43.0*	15.536	N	147.463	E	36	D	4.8 5.5	0.7	30	MARIANA ISLANDS REGION
	06	06	30	11.1	15.454	N	147.588	E	33	N	5.3	0.9	85	MARIANA ISLANDS REGION
	06	06	54	42.2	15.242	N	147.555	E	33	N	4.9	0.7	49	MARIANA ISLANDS REGION
	06	07	10	11.1?	18.01	S	177.14	E	46	?	4.1	0.7	7	FIJI ISLANDS
	06	07	33	30.5	15.548	N	147.560	E	43	D	5.3 4.5	0.8	109	MARIANA ISLANDS REGION
a	06	07	52	02.0	60.527	S	25.482	W	33	N	5.6 5.6	1.2	96	SOUTH SANDWICH ISLANDS REGION
	06	08	26	58.7	15.067	N	147.643	E	33	N	4.4	0.5	25	MARIANA ISLANDS REGION
	06	08	40	12.9*	15.088	N	147.588	E	33	N	4.4	0.5	19	MARIANA ISLANDS REGION
	06	08	44	09.5	15.621	N	147.720	E	33	N	4.5	0.6	37	MARIANA ISLANDS REGION
	06	09	03	37.2*	15.670	N	147.560	E	38	D	4.7	0.8	21	MARIANA ISLANDS REGION
	06	10	06	01.5	15.268	N	147.563	E	33	N	5.1	0.8	80	MARIANA ISLANDS REGION
	06	10	22	31.2?	40.85	N	25.61	E	10	G		1.3	6	AEGEAN SEA
	06	10	46	13.9	15.100	N	147.561	E	33	N	4.6	0.5	20	MARIANA ISLANDS REGION
	06	10	56	20.8%	40.704	N	15.238	E	10	G		0.9	11	SOUTHERN ITALY
	06	11	36	05.7	15.172	N	147.649	E	33	N	4.6	0.6	19	MARIANA ISLANDS REGION
	06	11	39	37.5	15.242	N	147.552	E	33	N	4.6	0.7	25	MARIANA ISLANDS REGION
	06	12	04	05.8*	16.042	N	147.614	E	33	D	5.1 4.4	1.2	29	MARIANA ISLANDS REGION
	06	12	27	41.2%	46.420	N	3.468	E	10	G		0.6	6	FRANCE. ML 1.8 (LDG).
	06	12	41	28.0?	45.02	N	7.03	E	10	G		0.0	4	NORTHERN ITALY. ML 1.9 (GEN).
	06	12	48	36.4?	16.42	S	174.81	W	33	N	4.9	0.8	11	TONGA ISLANDS
	06	13	18	35.0	15.227	N	147.546	E	33	N	4.9	0.7	43	MARIANA ISLANDS REGION
	06	13	32	09.4?	33.08	S	72.07	W	10	G		0.4	9	OFF COAST OF CENTRAL CHILE
	06	13	48	30.3*	15.188	N	147.622	E	33	N	4.1	0.6	15	MARIANA ISLANDS REGION
	06	14	08	07.9	2.518	S	139 232	E	33	N	5.0 3.9	1.0	24	NEAR N. COAST OF WEST IRIAN
	06	14	17	42.5*	15.314	N	147.644	E	33	N	4.1	0.9	17	MARIANA ISLANDS REGION
a	06	14	31	46.1	21.618	S	174.213	W	29	D	5.5 6.4	1.2	155	TONGA ISLANDS
	06	14	43	50.6	41.277	N	20.931	E	10	G		1.1	15	ALBANIA. ML 3.2 (SKO), 3.0 (TTG).
	06	14	50	54.5*	41.225	N	21.065	E	10	G		1.2	10	YUGOSLAVIA. ML 3.0 (SKO), 3.0 (TTG).
f	06	14	57	20.1	15.177	N	147.596	E	16	G	5.9 6.1	1.1	193	MARIANA ISLANDS REGION. Ms 6.2 (BRK), 5.7 (PAS). Depth

													from broadband displacement seismograms.
	06	16	03	03.2*	36.455	N	71.457	E	33	N	4.3	0.4	9 AFGHANISTAN-USSR BORDER REGION
	06	16	23	07.4	26.194	N	128.708	E	30	D	4.8	1.0	50 RYUKYU ISLANDS. Felt (I JMA) at Naha.
a	06	16	31	34.4	25.988	S	175.955	W	32	D	5.5 5.9	1.2	108 SOUTH OF TONGA ISLANDS
	06	16	45	34.5*	21.813	S	174.208	W	33	N	4.8	1.4	21 TONGA ISLANDS
	06	16	46	28.1&	60.214	N	151.964	W	69		3.9		68 KENAI PENINSULA, ALASKA. <AGS-P>. Felt (III) at Clam Gulch.
	06	17	33	45.9	15.555	N	147.612	E	42	D	4.2	0.7	23 MARIANA ISLANDS REGION
	06	17	34	40.8*	41.326	N	20.825	E	10	G		1.1	5 ALBANIA. ML 2.9 (SKO).
	06	17	44	09.5?	41.28	N	20.91	E	10	G		1.0	4 ALBANIA. ML 2.8 (SKO).
	06	18	04	58.2	14.988	N	147.642	E	33	N	4.4	0.5	20 MARIANA ISLANDS REGION
	06	18	30	11.9*	18.460	S	168.235	E	41	D	4.6	1.3	37 VANUATU ISLANDS
	06	19	40	06.7?	14.67	N	146.82	E	33	N	4.5 5.1	1.2	18 MARIANA ISLANDS
	06	19	59	32.0?	33.99	S	72.76	W	10	G		0.9	13 OFF COAST OF CENTRAL CHILE
	06	20	19	39.5?	11.84	N	86.72	W	33	N	4.6	1.0	15 NEAR COAST OF NICARAGUA
	06	20	55	53.6&	37.868	N	121.998	W	3				18 CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=1.3*10**15 Nm (BRK). Felt (V) at Concord, Diablo, Oakland, Pleasant Hill and Walnut Creek. Felt in Alameda, Contra Costa and San Francisco Counties.
	06	21	03	09.6	15.014	N	147.538	E	33	N	4.9	0.8	35 MARIANA ISLANDS REGION
	06	21	52	48.1&	37.867	N	122.003	W	4				13 CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Mo=8.6*10**13 Nm (BRK).
	06	22	06	45.7*	15.083	N	147.629	E	33	N	4.0	0.5	10 MARIANA ISLANDS REGION
	06	22	30	57.3	38.898	N	21.996	E	10	G		1.2	6 GREECE
	06	22	31	55.5	8.963	S	109.950	E	33	N	4.8	1.1	41 JAVA
a	06	22	38	44.9	15.028	N	147.564	E	35	D	5.3 4.6	0.9	82 MARIANA ISLANDS REGION
	06	22	41	27.2&	37.870	N	121.992	W	5				19 CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=4.2*10**15 Nm (BRK). Felt (V) at Concord, Danville, Diablo and San Pablo; (IV) at Antiach, Benicia, Brentwood, Emeryville, Hayword, Lafayette, Oakland and Walnut Creek. Felt in Alameda, Contra Costa, San Francisco and San Mateo Counties.
	06	22	43	37.5&	37.882	N	121.982	W	8				7 CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=1.4*10**14 Nm (BRK).
	06	22	56	58.8	15.068	N	147.593	E	33	N	4.8	0.9	33 MARIANA ISLANDS REGION
	06	23	11	30.8*	38.847	N	21.906	E	10	G		1.5	7 GREECE. ML 3.1 (ATH).
	06	23	22	11.8	38.893	N	21.900	E	10	G		1.3	11 GREECE. ML 3.1 (ATH).
	06	23	42	58.6*	25.759	S	176.189	W	33	N	5.1	1.4	19 SOUTH OF FIJI ISLANDS
	07	00	04	45.5	15.078	N	147.597	E	33	N	4.5	0.7	19 MARIANA ISLANDS REGION
	07	00	24	17.8&	37.863	N	122.002	W	3				10 CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=4.4*10**13 Nm (BRK).
	07	00	27	29 0*	32.585	S	179.774	W	33	N	4.7	1.3	10 SOUTH OF KERMADEC ISLANDS
	07	00	32	00.2	15.048	N	147.595	E	33	N	4.7	0.9	36 MARIANA ISLANDS REGION
	07	01	07	05.1&	33.870	N	116.160	W	5				27 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS). Felt (IV) at Indio and Mecca.
	07	01	10	32.8	15.119	N	147.598	E	33	N	4.3	0.8	17 MARIANA ISLANDS REGION
	07	02	39	18.2&	37.872	N	121.985	W	1		4.5 4.0		43 CENTRAL CALIFORNIA. <BRK>. ML 4.2 (BRK). Mo=1.3*10**16 Nm (BRK). Felt (V) at Bethel Island, Concord, Danville and Richmond; (IV) at Antioch, Bolinas, Byron, Hayward, Millbroe, Milpitas, Oakland, Pleasantan, Port Casta, San Francisco Airport and Walnut Creek. Felt throughout the San Francisco Bay area.
	07	02	41	12.5&	37.872	N	121.985	W	1				4 CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
o	07	02	44	30.9	26.163	S	175.994	W	26	D	5.3 5.3	1.2	59 SOUTH OF TONGA ISLANDS
	07	02	51	12.6&	37.872	N	121.980	W	3				19 CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=1.5*10**15 Nm (BRK).
	07	02	55	58.5&	37.880	N	121.973	W	2				9 CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=6.2*10**13 Nm (BRK).
	07	02	59	34.2&	37.883	N	121.960	W	4				16 CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=3.1*10**14 Nm (BRK).
	07	03	27	13 0*	41.808	N	19.619	E	10	G		0.6	6 ALBANIA. ML 2.2 (TTG).
	07	03	47	16.5*	46.752	N	150.969	E	33	N	4.2	1.3	19 KURIL ISLANDS
	07	04	28	26.7	41.324	N	20.827	E	10	G		1 4	11 ALBANIA. ML 3.3 (SKO), 2.9 (TTG). Felt (III) at Krusevo, Yugoslovia.
	07	04	39	33.3	12.998	N	70.088	W	10	G	4.6 4.3	1.3	22 NEAR COAST OF VENEZUELA
	07	04	46	08.5&	37.882	N	121.963	W	3				14 CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=4.2*10**14 Nm (BRK).
	07	05	30	31.6*	15.394	N	147.438	E	33	N	4.3	1.0	14 MARIANA ISLANDS REGION
	07	05	48	16.9	42.978	N	0.229	W	10	G		1.1	11 PYRENEES. ML 2.6 (LDG).
	07	05	56	40.7?	4.60	S	152.25	E	56	*	4.1	1.4	7 NEW BRITAIN REGION
	07	06	04	02.2*	56.406	N	153.971	W	33	N	4.5	1.2	32 KODIAK ISLAND REGION. ML 5.0 (PMR).
	07	06	08	16.3?	36.45	N	14.46	E	10	G		0.7	13 SICILY
	07	06	25	51.4	83.786	N	113.160	E	10	G	4.4	0.9	31 NORTH OF SEVERNAYA ZEMLYA
	07	06	26	53.8	15.289	N	147.434	E	33	N	4.4	0.9	29 MARIANA ISLANDS REGION
	07	06	28	56.5&	37.473	N	118.812	W	12				18 CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK), 3.2 (PAS).
	07	07	06	15.4	46.367	N	13.335	E	10	G		1.4	10 AUSTRIA. ML 2.0 (KBA). MD 2.5 (LJU).
	07	07	21	19.7*	39.241	N	22.271	E	10	G		0.8	5 GREECE. ML 3.1 (ATH).
	07	07	45	34.3	38.895	N	21.959	E	10	G	3.8	1 4	13 GREECE. ML 3.6 (ATH).
	07	09	01	00.1	38.880	N	21.986	E	20		3.3	0.9	23 GREECE. ML 3.4 (THE). MD 3.2 (ATH).
	07	09	41	26.6	15.048	N	147.553	E	33	N	4.7	1.1	26 MARIANA ISLANDS REGION
	07	09	56	21.1	15.057	N	147.551	E	33	N	4.6	0.8	28 MARIANA ISLANDS REGION
	07	10	12	54.5&	37.878	N	121.970	W	3				12 CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=7.8*10**13 Nm (BRK).
	07	10	20	30.3*	14.968	N	147.801	E	33	N	4.3	0.8	13 MARIANA ISLANDS REGION
	07	10	35	20.9	27.244	N	141.781	E	33	N	4.7	1.1	16 BONIN ISLANDS REGION
	07	11	13	42.9	43.067	N	0.745	W	5	G		0.1	10 PYRENEES. ML 2.5 (LDG).
	07	11	41	52.0*	38.925	N	21.887	E	33	N	3.1	1.4	10 GREECE. MD 3.2 (ATH).
	07	12	05	00.3	15.095	N	147.552	E	33	N	4.3 4.6	0.6	17 MARIANA ISLANDS REGION
	07	12	49	47.7	15.453	N	147.596	E	32	*	4.5	0.9	30 MARIANA ISLANDS REGION
	07	12	54	19.8	5.059	S	130.971	E	58	*	4.7	1.2	33 BANDA SEA
	07	13	04	03.8	38.996	N	21.872	E	10	G	3.3	0.6	6 GREECE. ML 3.6 (ATH).
	07	13	23	59.0?	34.42	S	72.08	W	10	G		0.3	6 NEAR COAST OF CENTRAL CHILE

	07	13	45	40.5	38.853	N	21.941	E	10	G	4.0		1.2	62	GREECE. ML 4.0 (THE), 4.0 (TTG), 3.7 (ATH). Felt at Karpenision.
	07	13	54	14.6*	0.765	S	123.367	E	66	*	4.2		0.9	13	MINAHASSA PENINSULA
	07	14	05	02.8*	38.963	N	21.754	E	10	G	3.5		1.4	7	GREECE. ML 3.2 (ATH).
	07	15	05	55.8%	61.482	N	4.079	E	10	G			1.1	9	SOUTHERN NORWAY. MD 1.9 (ATH).
	07	15	18	00.8*	38.737	N	22.081	E	10	G			1.4	6	GREECE. MD 2.8 (ATH).
	07	15	37	54.8&	40.082	N	109.519	W	4					11	UTAH. <SLC-P>. ML 3.5 (SLC).
	07	15	56	14.4*	40.620	N	19.707	E	10	G			1.1	9	ALBANIA. ML 2.9 (SKO), 2.8 (TTG).
	07	15	56	33.2*	14.965	N	147.491	E	33	N	4.7		1.0	12	MARIANA ISLANDS REGION
	07	16	14	31.2	4.892	N	126.691	E	64	*	4.9	3.9	1.3	32	TALAUD ISLANDS
	07	17	41	43.5?	30.53	S	69.14	W	10	G			0.9	5	CHILE-ARGENTINA BORDER REGION
o	07	18	25	56.3	18.049	S	168.126	E	36		5.2	4.9	1.1	145	VANUATU ISLANDS
	07	18	26	05.7	38.895	N	21.879	E	10	G			1.3	9	GREECE. ML 3.2 (ATH), 2.7 (SKO).
	07	18	31	53.3	41.285	N	20.935	E	10	G			1.0	15	ALBANIA. ML 3.1 (SKO), 3.0 (TTG).
	07	18	38	50.2	38.837	N	21.972	E	25	*	3.9		1.2	43	GREECE. ML 3.5 (ATH), 3.7 (TTG).
	07	19	55	50.3?	31.21	S	67.89	W	33	N			1.2	5	SAN JUAN PROVINCE, ARGENTINA
	07	20	08	59.5&	36.887	N	121.643	W	4					21	CENTRAL CALIFORNIA. <BRK>. ML 4.2 (BRK). Mo=2.4*10**15 Nm (BRK). Felt (V) at Gilroy; (III) at Soquel; (II) at San Martin and San Juan Bautista.
	07	20	11	02.1	56.157	N	153.843	W	33	N	5.2	4.4	0.9	203	KODIAK ISLAND REGION. ML 5.1 (PMR).
	07	20	58	05.2?	25.70	S	176.23	W	33	N	5.0		1.3	9	SOUTH OF FIJI ISLANDS
	07	21	45	31.4?	15.94	N	145.24	E	33	N	4.4		0.4	7	MARIANA ISLANDS
	07	21	49	55.6&	36.887	N	121.635	W	4					13	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	07	22	06	45.7	56.240	N	153.776	W	33	N	4.6		1.3	28	KODIAK ISLAND REGION. ML 4.6 (PMR).
	07	22	10	38.7*	38.898	N	21.902	E	10	G			1.4	5	GREECE
	07	22	35	02.2	26.796	N	127.769	E	33	N	5.1	4.2	0.9	71	RYUKYU ISLANDS. Felt (IV) at Kadena. Felt (II JMA) at Naha; (I JMA) at Nago and an Kume-shima.
	07	22	56	23.0	15.078	N	147.536	E	33	N	4.4		0.8	26	MARIANA ISLANDS REGION
	07	23	57	15.3	38.825	N	22.003	E	10	G	3.2		1.5	10	GREECE. ML 3.2 (ATH).
	08	00	10	22.6	43.248	N	17.344	E	10	G			1.3	10	YUGOSLAVIA. ML 2.7 (TTG). MD 3.6 (TRI).
	08	00	19	17.8*	33.448	S	72.117	W	13				0.7	10	OFF COAST OF CENTRAL CHILE
	08	00	31	05.1&	60.792	N	150.677	W	44					34	KENAI PENINSULA, ALASKA. <AGS-P>.
	08	01	01	26.0&	37.863	N	121.998	W	1					12	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=4.1*10**13 Nm (BRK).
	08	01	17	54.8?	10.11	S	121.85	E	33	N	4.3		1.1	8	SAVU SEA
	08	01	22	14.5?	38.79	N	20.90	E	10	G			1.5	4	GREECE. MD 2.9 (ATH).
	08	01	34	10.4?	48.57	N	114.61	W	5	G			0.3	6	MONTANA. ML 3.0 (BUT).
	08	02	28	20.3*	15.555	N	147.589	E	33	N	4.2		0.7	12	MARIANA ISLANDS REGION
	08	02	42	47.2	30.455	S	73.004	W	10	G	4	7	0.6	20	OFF COAST OF CENTRAL CHILE
	08	04	07	34.5&	61.637	N	149.612	W	29					30	SOUTHERN ALASKA. <AGS-P>.
	08	04	34	27.0	36.211	N	141.962	E	21		5	0 4 6	0.8	67	NEAR EAST COAST OF HONSHU, JAPAN
	08	04	34	35.5?	16.74	S	169.77	E	33	N	4.8	4.1	1.3	6	VANUATU ISLANDS
	08	05	43	05.1	17.589	S	69.631	W	159	D	4	7	1.3	55	PERU-BOLIVIA BORDER REGION
	08	05	58	05.3	38.918	N	22.003	E	10	G			1.5	11	GREECE. ML 3.1 (ATH).
	08	06	00	56.0*	86.550	N	65.328	E	10	G	4.0		1.3	18	NORTH OF FRANZ JOSEF LAND
	08	06	02	17.4	14.885	N	147.428	E	33	N	4.8		0.8	27	MARIANA ISLANDS REGION
	08	06	15	44.4%	33.934	S	70.958	W	33	N			1.0	5	CHILE-ARGENTINA BORDER REGION
	08	06	38	26.6*	15.150	N	147.598	E	33	N	4.4		0.4	8	MARIANA ISLANDS REGION
	08	06	59	57.0	38.826	N	21.921	E	12		3.7		1.3	45	GREECE. ML 3.4 (ATH).
	08	07	08	23.8*	16.094	N	145.699	E	33	N	4.8		0.7	17	MARIANA ISLANDS
	08	07	33	05.2	15.626	N	147.618	E	33	N	4.7		1.0	33	MARIANA ISLANDS REGION
	08	08	06	10.2?	13.50	N	44.79	W	10	G	4.3	3.8	1.1	11	NORTH ATLANTIC RIDGE
	08	08	16	02.6*	15.540	N	147.675	E	42	*	4.5		0.9	27	MARIANA ISLANDS REGION
	08	08	30	08.1*	41.202	N	25.066	E	10	G			1.4	8	GREECE-BULGARIA BORDER REGION
	08	08	57	38.6?	15.64	N	99.43	W	10	G	3.8		1.5	5	OFF COAST OF GUERRERO, MEXICO
	08	09	15	39.8%	11.077	N	61.760	W	33	N			0.9	6	WINDWARD ISLANDS. MD 2.9 (TRN).
	08	09	16	36.9	46.789	N	12.258	E	5	G			1.3	21	NORTHERN ITALY. ML 2.7 (KBA), 2.6 (LJU). MD 2.6 (TRI).
	08	09	26	15.3	45.093	N	148.728	E	49	D	5.1		0.8	129	KURIL ISLANDS
	08	09	36	32.3	41.394	N	20.811	E	5	G			1.2	23	ALBANIA. ML 3.4 (SKO).
	08	09	40	33.6	41.288	N	20.912	E	10				1.4	13	ALBANIA. ML 2.9 (TTG).
	08	09	46	15.8	17.822	S	178.899	W	546		4.9		0.8	108	FIJI ISLANDS REGION
	08	10	02	58.2	38.420	N	21.779	E	10	G	3.6		1.2	23	GREECE. ML 3.3 (ATH).
	08	12	38	29.8*	17.069	N	99.806	W	33	N	3	4	1.1	6	GUERRERO, MEXICO
	08	13	23	50.3&	62.914	N	148.765	W	62					32	CENTRAL ALASKA. <AGS-P>.
	08	14	03	09.5	15.400	N	147.721	E	33	N	4	4	0.8	26	MARIANA ISLANDS REGION
	08	15	15	21.2	23.877	N	94.341	E	85	*	4.5		1.3	24	BURMA-INDIA BORDER REGION
	08	15	52	55.8	35.989	N	139.904	E	64		4.8		0.9	44	NEAR S COAST OF HONSHU, JAPAN
	08	17	23	21.9?	44.78	N	6.39	E	10	G			0.7	6	FRANCE. ML 1.9 (GEN).
	08	17	35	27.0*	15.254	S	72.606	W	33	N	3.6		0.7	6	SOUTHERN PERU
	08	17	48	47.3&	62.630	N	151.113	W	98		2.7			39	CENTRAL ALASKA. <AGS-P>.
	08	19	13	51.3	30.058	N	99.279	E	10	G	5.2	4.2	0.9	108	SICHUAN PROVINCE, CHINA
	08	21	11	41.6	51.104	N	178.445	E	33	N	4.8		1.0	58	RAT ISLANDS, ALEUTIAN ISLANDS
	08	21	50	29.3	47.200	N	96.278	E	15	D	4.9		0.8	95	MONGOLIA
	08	22	43	42.2	44.558	N	148.350	E	52	D	4.6		0.7	34	KURIL ISLANDS
	08	22	51	35.5&	37.862	N	121.973	W	2					9	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=3.3*10**13 Nm (BRK).
	08	23	10	41.2*	23.392	N	121.674	E	15		3.3		0.6	8	TAIWAN
	09	00	18	55.1*	15.367	N	147.878	E	33	N	4.1		0.5	8	MARIANA ISLANDS REGION
	09	00	53	39.9%	60.150	N	6.068	E	10	G			0.4	5	SOUTHERN NORWAY. MD 1.3 (BER).
	09	00	57	04.1*	34.311	N	25.047	E	33	N			1.4	9	CRETE
	09	01	12	55.7&	59.754	N	153.637	W	143					15	SOUTHERN ALASKA. <AGS-P>.
	09	01	17	10.7%	36.339	N	3.648	W	5	G			1.4	8	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
	09	01	23	38.9?	27.57	N	128.71	E	33	N	4.0		1.1	13	RYUKYU ISLANDS
	09	02	49	34.1	22.884	N	121.403	E	36		4.7		1.2	48	TAIWAN REGION
	09	04	28	22.8*	38.920	N	21.907	E	10	G			1.0	5	GREECE. MD 2.8 (ATH).
	09	04	52	33.4	38.875	N	21.990	E	12		3.4		1.2	28	GREECE. ML 3.5 (THE), 3.2 (ATH).
	09	04	56	41.2	38.860	N	21.939	E	39		4	4	1.3	86	GREECE. ML 3.9 (ATH), 3.9 (TTG).
	09	05	04	26.4	38.890	N	22.010	E	10	G			1.1	12	GREECE. ML 3.0 (THE). MD 3.0 (ATH).
	09	06	00	08.6	15.709	N	147.562	E	10	G	5.0	4.4	0.9	54	MARIANA ISLANDS REGION
	09	06	08	47.3&	56.674	N	152.975	W	34					24	KODIAK ISLAND REGION. <AGS-P>. ML 3.1 (PMR).
	09	06	14	10.7	38.895	N	22.043	E	25		3.8		1.3	39	GREECE. ML 3.5 (ATH).
	09	06	47	52.3	20.218	N	145.100	E	161	*	4.9		0.7	62	MARIANA ISLANDS
	09	07	08	41.2?	17.81	N	61.66	W	21	*			0.2	8	LEEWARD ISLANDS. ML 3.8 (FDF).

	09	07	09	37.1*	18.089	N	61.605	W	10	G	3.7		0.6	14	LEEWARD ISLANDS. ML 3.8 (FDF).
	09	07	21	14.2?	2.34	S	134.32	E	33	N	4.2		1.1	9	WEST IRIAN REGION
	09	07	21	56.8*	18.583	S	71.421	W	41	*	4.4		0.5	9	OFF COAST OF NORTHERN CHILE
	09	07	23	01.6*	38.838	N	22.057	E	10	G			1.3	5	GREECE
	09	07	47	55.2	38.791	N	21.986	E	41	?	3.3		1.4	24	GREECE. ML 3.2 (ATH).
	09	08	09	16.8&	36.983	N	121.938	W	8					16	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Felt at Capitola and Santa Cruz.
	09	08	10	46.9	38.824	N	22.018	E	10	G			1.2	7	GREECE. ML 3.0 (ATH).
	09	08	32	09.7	42.866	N	68.673	E	33	N	4.6		0.6	20	CENTRAL KAZAKH SSR. Felt (IV) at Tartkal and (II) at Chimkent.
	09	08	38	45.7*	15.513	N	146.725	E	33	N	5.0	4.3	1.2	35	MARIANA ISLANDS
	09	08	53	55.9*	16.516	N	145.867	E	33	N	4.3		1.3	12	MARIANA ISLANDS
a	09	09	31	09.6	25.806	S	176.058	W	17	G	5.7	5.9	1.2	162	SOUTH OF FIJI ISLANDS. Ms 6.0 (BRK), 5.7 (PAS). Mo=3.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	09	09	43	44.1	38.791	N	21.913	E	10	G	3.6		1.5	15	GREECE. ML 3.2 (ATH).
	09	09	45	31.1	21.470	S	68.368	W	129	D	5.0		1.3	62	CHILE-BOLIVIA BORDER REGION
	09	09	53	43.0?	39.83	N	24.33	E	10	G			0.6	5	AEGEAN SEA
	09	10	48	54.7&	36.922	N	121.672	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	09	11	07	10.7*	38.757	N	21.993	E	10	G			1.0	5	GREECE
	09	11	58	53.6*	23.915	S	179.287	E	562	*	4.6		0.7	39	SOUTH OF FIJI ISLANDS
	09	12	41	44.0?	42.80	N	19.24	E	10	G			0.2	4	YUGOSLAVIA. ML 2.0 (TTG).
	09	12	42	30.8	53.795	N	160.550	E	33	N	4.9		0.7	95	NEAR EAST COAST OF KAMCHATKA
	09	13	03	47.5&	63.053	N	150.846	W	118		2.6			49	CENTRAL ALASKA. <AGS-P>.
	09	13	04	56.5?	10.55	S	124.95	E	33	N	4.6		0.7	6	TIMOR
	09	13	15	23.5*	26.204	S	175.904	W	33	N	5.0		1.0	33	SOUTH OF TONGA ISLANDS
	09	14	47	47.0	44.991	N	6.761	E	10	G			0.3	8	FRANCE. ML 2.3 (GEN).
	09	14	48	45.0*	38.944	N	22.145	E	10	G			1.5	6	GREECE
	09	15	01	58.7*	43.965	N	7.115	E	10	G			0.1	8	NEAR SOUTH COAST OF FRANCE
	09	15	40	22.2	38.940	N	22.042	E	10	G			0.6	6	GREECE
	09	16	41	08.2?	5.71	S	146.29	E	108	?	3.8		1.0	7	EAST PAPUA NEW GUINEA REGION
	09	16	56	53.3	43.145	N	110.628	W	5	G	3.4		0.5	16	WYOMING. ML 3.5 (NEIS).
	09	17	00	33.8	5.281	S	153.858	E	101	*	4.5		0.6	23	NEW IRELAND REGION
	09	18	33	16.3	38.787	N	22.048	E	10	G			1.4	11	GREECE. ML 3.1 (ATH).
	09	18	49	54.5	38.828	N	22.056	E	10	G			1.5	16	GREECE. ML 3.1 (ATH).
	09	19	22	43.9&	60.074	N	153.076	W	119		2.8			34	SOUTHERN ALASKA. <AGS-P>.
	09	19	22	54.2*	15.439	N	146.912	E	33	N	4.6		1.0	19	MARIANA ISLANDS
	09	19	44	07.5&	59.957	N	151.650	W	48					33	KENAI PENINSULA, ALASKA. <AGS-P>.
	09	19	46	59.9&	36.913	N	121.653	W	4					15	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	09	19	56	18.2?	26.29	S	175.83	W	33	N	4.8	4.6	1.2	26	SOUTH OF TONGA ISLANDS
	09	20	23	10.1	15.114	N	147.597	E	21	*	4.5		0.8	25	MARIANA ISLANDS REGION
	09	20	27	34.7	38.829	N	22.133	E	27				1.0	22	GREECE. ML 3.1 (ATH).
	09	20	33	03.4	38.874	N	22.011	E	10	G			1.5	18	GREECE. ML 3.2 (ATH).
	09	21	09	50.6	38.986	N	21.857	E	10	G			0.7	6	GREECE. ML 3.0 (ATH).
	09	22	28	17.0?	42 16	N	21.36	E	10	G			0.6	4	YUGOSLAVIA. ML 2.8 (SKO). Felt (IV) at Skopje.
	09	22	28	32.4	51.128	N	29.927	W	10	G	4.8	4.5	1.0	103	NORTH ATLANTIC RIDGE
	09	22	34	52.4	42.527	N	144.678	E	33	N	4.9	3.8	0.9	77	HOKKAIDO, JAPAN REGION
	10	00	04	39.9	57.907	N	155.357	W	113		4.9		0.8	85	ALASKA PENINSULA. Felt (IV) at Perryville.
	10	00	09	30.3	23.699	S	179.989	W	558	*	5.0		1.0	41	SOUTH OF FIJI ISLANDS
	10	00	35	35.4	15.160	N	147.542	E	20		5.0		0.7	30	MARIANA ISLANDS REGION
	10	01	16	19.5*	21.738	N	97.737	E	10	G	4.1		1.0	11	BURMA
	10	01	48	36.0*	38.772	N	21.916	E	10	G			1.4	5	GREECE
	10	02	25	19.5	4.494	S	136.728	E	33	N	5.1		1.0	20	WEST IRIAN REGION
	10	03	19	15.1	38.200	N	20.298	E	10	G	4.3		1.3	86	GREECE. ML 4.5 (TTG), 4.0 (ATH).
	10	03	28	21.7&	36.872	N	121.618	W	4					22	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK). Mo=7.8*10**14 Nm (BRK). Felt (III) at Castroville, Moss Landing and San Juan Bautista.
	10	03	40	13.2?	31.53	S	67.59	W	119	?			1.3	13	SAN JUAN PROVINCE, ARGENTINA
	10	05	51	10.5*	7.738	S	127.563	E	176	*	4.7		1.5	19	BANDA SEA
	10	06	42	45.1*	14.614	N	146.860	E	33	N	5.1		1.3	32	MARIANA ISLANDS
	10	08	38	45.4	38.342	N	20.443	E	5	G			1.2	21	GREECE. ML 3.7 (ATH).
	10	09	27	13.7?	36.61	N	15.16	E	10	G			0.9	6	SICILY
	10	09	46	36.8?	45.06	N	14.93	E	10	G			1.0	5	YUGOSLAVIA. MD 2.5 (TRI).
	10	10	49	04.9&	61.479	N	144.607	W	45					19	SOUTHERN ALASKA. <AGS-P>.
	10	12	30	20.4?	45.82	N	3.61	E	10	G			0.2	4	FRANCE. MD 1.6 (STR).
	10	12	50	36.6?	50.94	N	15.30	E	10	G			0.7	6	CZECHOSLOVAKIA. ML 3.8 (VKA).
	10	13	10	22.0*	9.247	S	113.669	E	65	?	4.0		0.5	7	SOUTH OF JAVA
	10	13	40	53.4	15.030	N	147.573	E	33	N	4.6		0.8	26	MARIANA ISLANDS REGION
	10	15	08	22.8*	53.603	N	164.039	W	33	N	4.2		1.3	20	UNIMAK ISLAND REGION
	10	15	25	35.7	10.888	N	65.436	W	10	G	4.0		1.2	13	NEAR COAST OF VENEZUELA
	10	16	27	33.3*	19.059	S	174.983	W	186	?	4.9		1.5	34	TONGA ISLANDS
	10	16	30	06.8	36.558	N	71.342	E	127	*	4.8		0.9	21	AFGHANISTAN-USSR BORDER REGION
	10	16	56	46.4	41.348	N	20.871	E	10	G			1.3	7	ALBANIA. ML 2.8 (SKO).
	10	17	00	26.6	15.525	N	147.724	E	34	D	4.9		1.2	38	MARIANA ISLANDS REGION
	10	17	01	04.6?	22.57	N	120.18	E	30	*	3.7		1.0	6	TAIWAN
	10	17	27	45.4	41.300	N	20.913	E	10	G			1.0	14	ALBANIA. ML 3.0 (SKO).
	10	17	38	39.9?	10.56	S	79.73	W	33	N	3.7		0.4	5	OFF COAST OF PERU
	10	17	44	39.6&	36.873	N	121.623	W	4					15	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	10	18	00	42.1&	63.514	N	151.145	W	16					21	CENTRAL ALASKA. <AGS-P>.
	10	18	38	28.8?	25.31	N	62.87	E	33	N	4.2		1.2	8	PAKISTAN
	10	18	55	38.9	15.125	N	147.536	E	24		4.8		0.7	24	MARIANA ISLANDS REGION
	10	19	07	39.6?	42.97	N	18.76	E	10	G			0.5	4	YUGOSLAVIA. ML 2.2 (TTG).
	10	20	18	51.0	37.397	N	56.936	E	33	N	4.3		1.0	25	IRAN. ML 4.1 (MHI).
	10	20	26	56.6	15.113	N	147.535	E	27		5.0	4.2	1.0	40	MARIANA ISLANDS REGION
	10	21	28	00.5	15.778	N	147.814	E	33	N	4.6		0.9	17	MARIANA ISLANDS REGION
	10	21	44	26.0*	45.322	S	166.850	E	33	N	4.5		1.2	14	OFF W. COAST OF S. ISLAND, N.Z. ML 5.0 (WEL). Felt at Te Anau and Invercargill.
	10	22	04	28.1?	30.25	N	53.80	E	33	N			0.9	5	IRAN
	10	22	44	44.1	10.524	S	109.592	E	40	D	5.3	4.6	1.1	86	SOUTH OF JAVA
	10	23	16	49.0?	51.49	N	16.29	E	10	G			0.3	7	POLAND. ML 2.7 (KRA).
	11	00	02	30.5?	42.09	N	8.07	W	5	G			1.4	4	SPAIN. mbLg 2.9 (MDD).
	11	01	30	52.6?	39.71	N	20.56	E	33	N			0.7	5	GREECE-ALBANIA BORDER REGION
	11	01	40	13.2*	37.796	N	43.744	E	10	G			0.9	5	TURKEY. Felt at Hakkari.

	11	01	58	45.9*	15.079	N	147.512	E	33	N	4.3	0.8	18	MARIANA ISLANDS REGION
	11	02	30	07.6*	53.345	N	164.690	W	33	N	4.7	1.1	35	UNIMAK ISLAND REGION
	11	03	14	35.7%	9.997	N	69.491	W	10	G		1.5	7	VENEZUELA
	11	06	09	11.6?	32.17	S	179.02	E	657	?	4.0	1.3	7	SOUTH OF KERMADEC ISLANDS
	11	06	38	10.4*	7.157	S	129.515	E	131	*	5.5	1.4	16	BANDA SEA
o	11	07	53	37.6	42.540	N	144.048	E	72	D	5.5	0.9	279	HOKKAIDO, JAPAN REGION. Felt (IV JMA) at Kushiro, (III JMA) at Hiroo and Obihiro and (II JMA) at Nemuro. Also felt (II JMA) at Aomori and Hachinohe, Honshu.
	11	08	57	35.4%	44.237	N	10.622	E	5	G		0.9	7	NORTHERN ITALY
	11	09	44	06.5*	43.146	N	17.292	E	10	G		1.3	6	YUGOSLAVIA. ML 2.7 (TTG).
	11	09	52	30.5*	27.964	N	56.303	E	33	N	4.2	1.1	10	SOUTHERN IRAN. ML 4.0 (BMU).
	11	10	50	23.9&	61.480	N	146.671	W	22		3.0		52	SOUTHERN ALASKA. <AGS-P>. ML 3.1 (PMR).
	11	11	31	49.3	15.246	N	147.515	E	34	D	5.0	0.9	66	MARIANA ISLANDS REGION
	11	12	12	13.2*	15.139	N	147.457	E	33	N	4.4	0.7	15	MARIANA ISLANDS REGION
	11	12	27	06.0*	16.777	S	177.342	W	436	*	4.7	1.2	28	FIJI ISLANDS REGION
a	11	13	10	16.8	30.991	S	177.806	W	33	N	5.4 5.4	1.2	140	KERMADEC ISLANDS. Ms 5.6 (BRK).
	11	13	27	01.1?	41.42	N	20.57	E	10	G		1.1	4	ALBANIA. ML 2.8 (SKO).
	11	13	40	43.8?	46.19	N	16.16	E	10	G		0.3	4	YUGOSLAVIA. MD 2.8 (LJU).
	11	13	46	08.9	14.935	N	147.608	E	34	D	4.7	0.9	42	MARIANA ISLANDS REGION
	11	13	52	18.2&	60.201	N	150.993	W	44				28	KENAI PENINSULA, ALASKA. <AGS-P>.
	11	14	06	40.5	41.318	N	20.930	E	5	G		1.4	19	ALBANIA. ML 2.9 (SKO), 2.7 (TTG).
	11	14	54	04.2*	29.627	S	71.678	W	33	N		1.2	10	NEAR COAST OF CENTRAL CHILE
	11	14	57	06.9%	33.709	S	71.099	W	56	?		0.3	6	NEAR COAST OF CENTRAL CHILE
	11	16	45	55.2%	38.736	N	22.018	E	10	G		1.3	5	GREECE. MD 3.3 (ATH).
	11	16	55	58.3*	39.089	N	22.173	E	11			1.4	21	GREECE. ML 3.5 (THE).
	11	17	26	18.2*	15.511	N	147.811	E	33	N	4.4	0.9	16	MARIANA ISLANDS REGION
	11	18	33	23.7*	12.886	N	142.984	E	127	*	4.3	0.6	13	SOUTH OF MARIANA ISLANDS
	11	19	12	55.3&	60.191	N	147.700	W	12				21	SOUTHERN ALASKA. <AGS-P>.
o	11	20	51	12.1	35.474	N	135.451	E	362	G	5.6	0.8	456	SOUTHERN HONSHU, JAPAN. Depth from broadband displacement seismograms.
	11	21	38	33.0	44.810	N	10.002	E	10	G		1.1	110	NORTHERN ITALY. ML 4.2 (KBA), 3.9 (LDG), 3.8 (LJU). MD 4.0 (ROM).
	11	21	50	58.5	44.718	N	9.930	E	33	N		1.3	27	NORTHERN ITALY. ML 2.6 (LDG).
	11	22	03	15.8&	62.612	N	151.239	W	95				51	CENTRAL ALASKA. <AGS-P>.
	11	22	16	43.5	44.742	N	9.973	E	23			1.1	69	NORTHERN ITALY. ML 3.4 (KBA), 3.2 (LDG). MD 3.4 (STR), 3.2 (ROM).
	11	22	19	16.3	44.725	N	9.968	E	33	N		1.1	10	NORTHERN ITALY. ML 2.6 (LDG).
	11	22	19	42.9%	44.655	N	9.825	E	33	N		1.2	9	NORTHERN ITALY
	11	22	20	35.6?	44.62	N	9.74	E	33	N		0.2	4	NORTHERN ITALY
	11	22	38	09.8	44.718	N	9.957	E	16			1.1	29	NORTHERN ITALY. ML 2.5 (LDG).
	12	00	04	16.0%	44.630	N	6.740	E	5	G		0.7	5	FRANCE. ML 2.1 (GEN).
	12	00	15	10.2*	4.245	N	128.969	E	33	N	4.4	1.6	12	NORTH OF HALMAHERA
	12	01	12	55.6&	33.880	N	116.150	W	4				13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	12	01	50	05.1*	53.754	N	168.959	E	33	N	4.6	0.9	12	KOMANDORSKY ISLANDS REGION
	12	02	06	10.7&	37.243	N	121.650	W	6				12	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	12	02	29	58.6	44.787	N	9.901	E	27			0.9	17	NORTHERN ITALY. ML 2.6 (LDG).
	12	02	45	56.4&	33.880	N	116.150	W	2				15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	12	03	56	49.2	86.589	N	68.181	E	10	G	4.8 4.4	0.9	81	NORTH OF FRANZ JOSEF LAND
	12	04	23	20.0	44.775	N	9.928	E	23			1.1	34	NORTHERN ITALY. ML 2.8 (LDG).
	12	04	45	53.7&	36.925	N	121.688	W	11				13	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	12	05	30	02.0	44.746	N	9.971	E	20			0.9	22	NORTHERN ITALY. ML 2.5 (LDG).
	12	06	04	32.9?	16.08	N	144.79	E	98	?	4.3	0.7	10	MARIANA ISLANDS REGION
	12	06	38	30.9*	44.756	N	10.073	E	5	G		1.7	7	NORTHERN ITALY
	12	07	08	48.8	34 731	N	26.314	E	26	*	3.5	1.2	15	CRETE
	12	08	25	19.3?	17.82	N	102.16	W	33	N	3.0	1.5	8	NEAR COAST OF MICHOACAN, MEXICO
	12	08	49	05.7?	44.48	N	8.51	E	10	G		0.7	4	NORTHERN ITALY
	12	11	40	27.1&	63.265	N	150.645	W	131				36	CENTRAL ALASKA. <AGS-P>.
	12	12	12	19.6*	25.850	N	128.568	E	33	N	4.0	1.2	7	RYUKYU ISLANDS
	12	12	15	14.2*	11.634	N	86.011	W	33	N	4.6 3.7	0.7	16	NEAR COAST OF NICARAGUA
	12	12	18	44.9*	42.326	N	24.255	E	10	G		1.2	7	BULGARIA. ML 2.6 (THE).
	12	12	41	28.1	33.836	N	116.102	W	5	G		0.8	13	SOUTHERN CALIFORNIA. ML 3.0 (NEIS). Felt (III) at Indio.
	12	13	25	30.6	49.151	N	6.870	E	10	G		0.6	23	GERMANY. MD 3.5 (STR), 3.3 (UCC).
	12	13	31	38.8	43.232	N	24.860	E	10	G		0.5	8	BULGARIA
	12	14	22	54.2&	37.370	N	121.720	W	7				10	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	12	19	08	36.9?	35.22	S	179.73	W	314	*	4.4	1.0	27	EAST OF NORTH ISLAND, N.Z.
	12	19	51	17.4*	32.502	S	70.386	W	33	N		1.0	6	CHILE-ARGENTINA BORDER REGION
	12	20	16	34.7	15.151	N	147.563	E	33	N	4.9	0.8	23	MARIANA ISLANDS REGION
	12	20	26	12.9?	12.80	S	118.56	E	33	N		1.6	9	SOUTH OF SUMBAWA ISLAND
	12	21	53	09.3	27.160	N	140.120	E	420	*	4.7	0.8	36	BONIN ISLANDS REGION
	12	22	04	43.1	45.143	N	6.501	E	10	G		0.5	10	FRANCE. ML 2.0 (GEN).
	12	22	47	52.7	36.768	N	2.492	E	14		4.7	1.1	123	ALGERIA. MD 4.7 (STR). Felt strongly at Algiers, Blida and Tipozo.
	12	23	05	25.6	44.708	N	9.934	E	24	*		1.2	10	NORTHERN ITALY
	12	23	58	42.6%	45.612	N	2.746	E	10	G		0.4	5	FRANCE. ML 1.6 (LDG).
	13	00	04	22.1	19.205	N	120.977	E	33	N	4.6	1.0	48	PHILIPPINE ISLANDS REGION
	13	00	05	56.5	46.703	N	3.873	E	10	G		0.5	12	FRANCE. MD 1.0 (STR).
	13	00	08	17.0?	18.05	N	102.12	W	158	?	3.1	1 7	9	MICHOACAN, MEXICO
	13	00	19	07.1?	37.01	N	2.56	E	10	G	3.4	0.7	9	WESTERN MEDITERRANEAN SEA. ML 3.4 (LDG).
	13	02	52	30.8*	17.688	N	62.256	W	33	N		1.3	7	LEEWARD ISLANDS. ML 2.8 (FDF). MD 2.7 (TRN).
	13	03	06	20.0%	16.353	N	61.226	W	27	*		0.3	6	LEEWARD ISLANDS. ML 2.2 (FDF).
	13	03	35	12.0	40.255	N	138.957	E	19	D	4.8 4.6	1.1	66	EASTERN SEA OF JAPAN
	13	04	01	41.8*	35.155	N	136.412	E	51	*	4.3	0.9	20	SOUTHERN HONSHU, JAPAN
	13	04	45	00.7	15.855	N	121.197	E	33	N	4.8 4.6	1.2	42	LUZON, PHILIPPINE ISLANDS. Felt (III) at Baguio and Manito.
	13	05	37	05.2*	17.025	S	172.826	W	47	D	4.7	1.3	21	TONGA ISLANDS REGION
	13	05	39	30.8?	31.50	S	68.25	W	100	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	13	05	58	23.5*	15.185	N	147.585	E	23	D	4.5	1.1	24	MARIANA ISLANDS REGION
	13	06	05	45.6*	20.163	S	178.095	W	417	*	4.9	1.4	42	FIJI ISLANDS REGION
	13	06	08	05.0*	15.297	N	147.526	E	33	N	4.8	1.1	28	MARIANA ISLANDS REGION
	13	06	17	53.1	11.600	N	143.007	E	46	*	4.9 4.5	1.1	55	SOUTH OF MARIANA ISLANDS
	13	06	38	02.7?	26.63	N	126.65	E	96	?	4.0	0.2	6	RYUKYU ISLANDS
	13	07	41	09.7?	14.70	N	147.58	E	33	N	3.7	0.4	5	MARIANA ISLANDS REGION

a	13	08	15	57.2	17.564	S	178.712	W	554	D	5.1		1.2	123	FIJI ISLANDS REGION
	13	10	39	09.5*	15.048	N	147.577	E	33	N	4.6		0.7	16	MARIANA ISLANDS REGION
	13	10	51	41.2*	17.845	N	93.693	W	33	N	3.3		1.6	13	CHIAPAS, MEXICO
	13	11	28	37.0?	42.88	N	1.55	E	5	G			1.7	6	PYRENEES. ML 2.9 (LDG).
	13	11	31	56.4*	4.136	N	97.475	E	162	?	4.2		0.8	8	NORTHERN SUMATERA
	13	11	48	25.2&	60.878	N	151.037	W	18					42	KENAI PENINSULA, ALASKA. <AGS-P>.
	13	13	19	39.8?	36.34	N	27.36	E	33	N			1.6	4	DODECANESE ISLANDS
	13	14	17	04.0	7.120	S	106.695	E	33	N	5.0		1.1	30	JAVA
	13	14	50	36.8	15.659	N	60.996	W	33	N			0.5	9	LEEWARD ISLANDS. ML 2.6 (FDF).
	13	15	21	51.4	41.400	N	22.778	E	5	G			0.6	10	YUGOSLAVIA
	13	15	25	04.1	3.858	N	76.298	W	164		4.6		1.3	33	COLOMBIA. Felt (III) in the Buenaventura-Cali-Tulua area.
	13	16	01	33.1	6.817	N	71.926	W	38		4.7	4.2	1.1	34	NORTHERN COLOMBIA
	13	16	26	14.9	58.879	N	154.419	W	121		4.4		1.1	104	ALASKA PENINSULA. Felt (III) at Iliamna and Nandaltan.
	13	16	58	29.9	38.851	N	21.931	E	10	G	3.2		1.3	12	GREECE. ML 3.2 (ATH), 2.9 (THE).
	13	18	10	57.0?	10.03	S	117.83	E	33	N	3.4		0.9	7	SOUTH OF SUMBAWA ISLAND
	13	19	42	54.6	37.249	N	71.627	E	52	?	4.6		1.2	25	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Khorog, USSR.
	13	20	32	20.1%	44.811	N	7.627	E	10	G			0.6	11	NORTHERN ITALY. ML 2.4 (GEN).
	13	20	35	14.5?	34.53	N	135.36	E	33	N			0.1	4	NEAR S. COAST OF SOUTHERN HONSHU
	13	21	05	34.1?	15.66	N	97.99	W	33	N	4.4		1.6	11	NEAR COAST OF OAXACA, MEXICO
	13	21	08	43.2	43.736	N	7.100	E	10	G			0.2	9	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).
	13	21	09	41.0&	46.785	N	122.838	W	7					13	WASHINGTON. <SEA>. CL 3.3 (SEA).
	13	21	12	34.8*	15.485	N	148.126	E	33	N	4.2		0.7	9	MARIANA ISLANDS REGION
	13	22	17	13.4	35.624	N	4.792	W	86		4.2		1.0	91	STRAIT OF GIBRALTAR. Felt (II) at Malaga, Spain.
	13	22	20	11.4*	38.254	N	20.577	E	13				1.5	8	GREECE. MD 3.3 (ATH).
	13	22	21	03.4%	45.162	N	6.499	E	10	G			0.3	9	FRANCE
	13	22	39	58.2	45.148	N	6.723	E	10	G			1.1	19	FRANCE. ML 2.3 (LDG).
	13	22	42	36.7%	45.170	N	6.434	E	10	G			0.1	8	FRANCE
	13	22	46	55.3	6.638	S	130.513	E	18	D	5.2		1.3	74	BANDA SEA
	13	22	53	32.3?	45.24	N	6.16	E	10	G			0.8	6	FRANCE
	13	22	59	55.2%	45.148	N	6.523	E	10	G			0.1	6	FRANCE
	13	23	21	46.0&	48.826	N	122.182	W	1					34	WASHINGTON. <SEA>. CL 2.2 (SEA).
	14	03	06	00.6?	32.10	S	69.72	W	120	G			0.6	5	MENDOZA PROVINCE, ARGENTINA
	14	03	09	18.1?	45.16	N	6.46	E	10	G			0.2	6	FRANCE
	14	04	22	18.8*	11.974	N	60.183	W	63	?	3.2		1.0	10	WINDWARD ISLANDS. MD 3.6 (TRN).
	14	04	42	24.8?	27.49	N	53.45	E	51	?	4.2		1.6	15	SOUTHERN IRAN
o	14	05	29	50.0	7.983	N	126.645	E	66	*	5.5		1.2	107	MINDANAO, PHILIPPINE ISLANDS
	14	05	33	26.6&	48.845	N	122.161	W	13		4.4	4.1		165	WASHINGTON. <SEA>. ML 5.2 (SEA). Slight damage (VI) in the Deming-Van Zandt area. Felt (V) at Acme, Noaksack and Sumas; (IV) at Bellingham, Bow, Burlington, Clearlake, Concrete, Custer, Eastsound, Glacier, Hamilton, Lakewood, Maple Falls, Mount Vernon and Sedro Woolley.
	14	05	39	33.8*	8.112	N	126.815	E	33	N	4.8	5.0	1.3	26	MINDANAO, PHILIPPINE ISLANDS
	14	05	40	07.2&	48.822	N	122.188	W	4					95	WASHINGTON. <SEA>. ML 4.2 (SEA). Felt at Deming.
	14	05	44	48.9?	20.16	S	174.59	W	27	D	4.6		1.4	23	TONGA ISLANDS
	14	06	02	49.5&	48.830	N	122.179	W	3		3.6			59	WASHINGTON. <SEA>. CL 3.6 (SEA).
	14	06	11	58.6	43.378	N	5.403	E	10	G			0.6	18	NEAR SOUTH COAST OF FRANCE. MD 3.0 (STR).
	14	06	14	59.9&	48.826	N	122.192	W	2					45	WASHINGTON. <SEA>. CL 3.1 (SEA).
	14	06	19	13.0&	48.832	N	122.196	W	1					57	WASHINGTON. <SEA>. CL 3.0 (SEA).
	14	07	03	59.2?	31.34	S	178.29	W	33	N	4.6		1.6	10	KERMADEC ISLANDS REGION
	14	07	25	42.3&	58.503	N	155.919	W	140		2.9			28	ALASKA PENINSULA. <AGS-P>.
a	14	08	00	13.8	27.296	N	139.924	E	458	D	5.6		0.9	323	BONIN ISLANDS REGION
	14	08	06	48.0*	27.571	N	139.890	E	474	?	4.6		0.7	40	BONIN ISLANDS REGION
	14	08	15	55.3*	27.272	N	140.040	E	430	?	4.3		0.9	20	BONIN ISLANDS REGION
	14	09	33	46.2%	42.834	N	12.237	E	10	G			0.1	5	CENTRAL ITALY
	14	09	39	17.0*	15.303	N	147.775	E	33	N	3.7		0.2	8	MARIANA ISLANDS REGION
	14	09	40	38.8	36.069	N	27.121	E	41		4.6		1 5	134	DODECANESE ISLANDS. MD 4.5 (ATH), 4.3 (HLW).
	14	10	03	58.8?	35.97	N	27.13	E	33	N			1.3	4	DODECANESE ISLANDS
	14	10	25	08.2&	61.466	N	146.456	W	29					24	SOUTHERN ALASKA. <AGS-P>.
	14	10	29	45.6*	2 091	N	127.803	E	33	N	5.2		1.0	13	MOLUCCA PASSAGE
	14	10	35	10.3	49.661	N	8 541	E	33	N			1.3	15	GERMANY. ML 3.1 (LDG).
	14	10	59	17.9*	15.484	N	147.886	E	33	N	4.4		0.4	11	MARIANA ISLANDS REGION
	14	11	02	42.3	35.754	N	24.497	E	132	*			1.0	17	CRETE
	14	11	14	11.8&	33.870	N	116.160	W	5					20	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	14	11	43	26.6*	5.615	N	0.318	W	10	G			0.2	5	NORTHWEST AFRICA. ML 3.1 (LIC), 3.0 (KUK). Felt at Accra, Ghana.
	14	12	18	19.5	31.333	S	68.797	W	86	?			0.1	5	SAN JUAN PROVINCE, ARGENTINA
	14	12	42	02.9&	37.617	N	122.525	W	10					8	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK). Felt at Pacifica.
	14	12	56	25.1?	31.27	S	69.13	W	120	G			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	14	13	16	37.1%	19.934	S	133.643	E	10	G			1.5	7	NORTHERN TERRITORY, AUSTRALIA
	14	14	01	52.6?	36.09	N	27.05	E	33	N			0.7	4	DODECANESE ISLANDS
	14	14	50	09.6?	36.24	N	5.31	W	10	G			1.2	5	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
	14	15	03	37.7?	36.58	N	25.54	E	10	G			0.4	4	DODECANESE ISLANDS
	14	15	08	01.5*	15.172	N	60.325	W	33	N			0.3	9	LEEWARD ISLANDS. ML 3.0 (FDF).
	14	16	09	51.6	39.993	N	23.925	E	5	G			0.9	21	AEGEAN SEA. ML 3.6 (ATH).
	14	17	20	39.3?	31.85	S	179.79	W	462	?	3.5		1.3	20	KERMADEC ISLANDS REGION
	14	17	53	21.5?	21.55	S	67.57	W	200	G			1.5	5	CHILE-BOLIVIA BORDER REGION
	14	18	03	41.6*	1.778	N	127.364	E	128	?	4.8		0.6	9	HALMAHERA
	14	18	12	34.0*	0.090	S	99.634	E	116	?	4.7		0.9	27	SOUTHERN SUMATERA
	14	19	27	34.1*	17.038	N	94.715	W	173	?	2.9		1.0	6	CHIAPAS, MEXICO
	14	19	56	57.4*	13.080	N	89.611	W	33	N			0.5	11	EL SALVADOR. Felt (II) at San Salvador.
	14	19	58	15.7	37.650	N	56.266	E	33	N	4.8		1.3	20	IRAN. ML 4.7 (MHI).
	14	20	09	19.5*	44.493	N	8.890	E	5	G			1.1	8	NORTHERN ITALY. ML 2.7 (LDG).
	14	20	25	24.7?	40.48	N	15.52	E	10	G			1.5	4	SOUTHERN ITALY
	14	21	02	49.1?	11.09	N	61.78	W	10	G			1 5	4	WINDWARD ISLANDS. MD 2.9 (TRN).
	14	22	29	12.6	34.748	N	26.396	E	33	N	4.2		1.5	27	CRETE. ML 4.2 (ATH).
	14	22	32	34.8%	10.933	N	61.820	W	10	G			1.2	5	TRINIDAD. MD 3.0 (TRN).
	15	00	26	10.4	42.439	N	19.071	E	10	G			1.0	20	YUGOSLAVIA. MD 2.9 (TTG).
	15	00	39	26.7*	36.604	N	2.551	E	10	G	3.6		0.8	19	ALGERIA. mbLg 3.5 (MDD).
	15	01	19	02.7%	41.611	N	14.189	E	5	G			0.4	6	SOUTHERN ITALY

	15	02 09 32.7?	31.30	S	68.66	W	95 ?			0.2	7	SAN JUAN PROVINCE, ARGENTINA
	15	03 12 43.0%	38.696	N	27.910	E	10 G			0.3	5	TURKEY
	15	04 17 15.0&	38.802	N	122.763	W	2				13	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	15	04 32 45.2%	39.567	N	29.139	E	10 G			0.8	10	TURKEY
	15	04 42 52.1%	41.399	N	23.680	E	5 G			0.3	5	GREECE-BULGARIA BORDER REGION
	15	05 46 18.5*	11.543	N	62.078	W	125 *	3.2		0.9	13	WINDWARD ISLANDS. MD 3.9 (TRN).
	15	05 50 48.3	39.947	N	23.449	E	10 G			1.0	13	AEGEAN SEA. ML 3.3 (ATH).
	15	06 16 53.3	44.787	N	11.934	E	17			0.6	16	NORTHERN ITALY. ML 3.0 (KBA).
	15	06 20 09.0?	22.12	S	113.16	E	33 N			1.7	7	WESTERN AUSTRALIA
	15	06 27 39.6&	19.357	N	155.079	W	10	3.3			45	HAWAII. <HVO-P>. MD 4.0 (HVO). Felt (II) at Hilo and Mountain View.
	15	06 34 36.1%	38.732	N	26.561	E	10 G			0.2	6	AEGEAN SEA
	15	06 56 40.6*	38.951	N	55.656	E	10 G	3.6		1.0	5	IRAN-USSR BORDER REGION. ML 4.0 (MHI).
	15	07 50 34.7	43.562	N	7.776	E	10 G	3.9		1.0	97	NEAR SOUTH COAST OF FRANCE. MD 4.3 (TRI), 4.2 (STR). ML 4.2 (LDG), 4.0 (GEN). Felt (II) at Nice. Also felt along the French Riviera.
	15	07 55 22.3	43.571	N	7.793	E	10 G			0.3	18	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG). MD 1.5 (STR).
	15	07 56 23.3	43.590	N	7.726	E	10 G			0.4	12	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).
	15	08 12 51.0	43.597	N	7.728	E	10 G			0.4	19	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG).
	15	08 14 14.1	43.582	N	7.722	E	10 G			0.4	10	NEAR SOUTH COAST OF FRANCE. ML 2.0 (LDG).
	15	08 42 05.5*	14.999	N	147.548	E	33 N	4.0		1.0	7	MARIANA ISLANDS REGION
	15	09 59 21.1%	39.067	N	27.652	E	10 G			0.1	5	TURKEY
	15	10 06 42.1*	14.914	N	147.268	E	33 N	4.2		0.8	14	MARIANA ISLANDS REGION
	15	10 30 43.2	22.908	N	124.485	E	38 D	4.8		1.1	65	SOUTHEAST OF TAIWAN
	15	10 57 36.6	43.572	N	7.770	E	10 G			0.4	15	NEAR SOUTH COAST OF FRANCE. ML 1.8 (LDG).
	15	11 07 31.6&	48.847	N	122.178	W	1	3.3			86	WASHINGTON. <SEA>. CL 3.0 (SEA).
	15	11 33 23.0%	41.198	N	14.684	E	10 G			0.9	10	SOUTHERN ITALY
	15	11 38 56.3	16.740	N	61.992	W	10 G			0.4	7	LEEWARD ISLANDS. ML 2.8 (FDF).
	15	11 39 55.6*	16.640	N	62.061	W	33 N			0.9	6	LEEWARD ISLANDS. MD 3.1 (TRN).
	15	11 50 44.5*	8.665	S	120.539	E	138 ?	3.5		1.0	7	FLORES ISLAND REGION
	15	13 05 15.1	4.841	S	151.996	E	91	4.5		0.6	15	NEW BRITAIN REGION
	15	13 16 55.6%	30.512	S	116.964	E	10 G			1.4	7	WESTERN AUSTRALIA
	15	13 17 58.6*	0.036	N	123.487	E	166 *	4.6		1.6	20	MINAHASSA PENINSULA
	15	14 36 10.3?	50.13	N	7.82	E	10 G			0.5	4	GERMANY
	15	15 48 58.7%	39.353	N	29.299	E	5 G			1.3	10	TURKEY
	15	16 25 20 4&	60.033	N	152.174	W	90				29	SOUTHERN ALASKA. <AGS-P>.
	15	17 34 13.9?	41.77	N	14.20	E	10 G			0.1	4	SOUTHERN ITALY
	15	18 19 37.0	39.326	N	22 920	E	5 G			1.1	13	GREECE. ML 3.0 (ATH).
	15	18 40 34.5&	60.486	N	150.696	W	40	2.4			26	KENAI PENINSULA, ALASKA. <AGS-P>.
	15	19 16 43.8%	39.319	N	27.409	E	10 G			0.5	7	TURKEY
	15	19 43 34.2%	41.792	N	14.209	E	5 G			0.2	6	SOUTHERN ITALY
	15	19 49 44.0%	17.128	N	99.975	W	5 G			1.6	7	GUERRERO, MEXICO
	15	20 55 35.7%	39.614	N	16.327	E	13			0.3	10	SOUTHERN ITALY
	15	22 44 08.1	24.379	N	122.046	E	44	5.0		1.2	57	TAIWAN REGION. Felt in northern and eastern Taiwan.
	16	01 02 30.7&	58.109	N	142.452	W	10 G	3.1			5	GULF OF ALASKA. <AGS-P>
	16	01 08 30.7	15.745	N	147.937	E	31 D	4.9		0.8	49	MARIANA ISLANDS REGION
	16	01 12 59.7&	48.833	N	122.173	W	4				41	WASHINGTON. <SEA>. CL 2.8 (SEA).
	16	01 22 20.2	16.437	S	174.945	W	245 D	4.5		0.9	79	TONGA ISLANDS
	16	02 26 58.6%	38.324	N	30.235	E	5 G			1.1	8	TURKEY
	16	07 59 53.3*	15.707	N	148.036	E	33 N	4.2		0.9	13	MARIANA ISLANDS REGION
	16	08 21 29.0&	34.110	N	117.720	W	4				24	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt (V) at Claremont; (IV) at Glendora, Rosemead and Upland; (III) at Corona, Covina, Hacienda Heights and Placentia.
	16	08 59 43.5	2.504	N	128.613	E	31 D	5.0		1.2	50	HALMAHERA
	16	09 32 36.8%	37.984	N	52.261	E	33 N			1.4	6	CASPIAN SEA
	16	09 38 49.6*	36.683	N	71.563	E	33 N	4.5		1.3	11	AFGHANISTAN-USSR BORDER REGION
	16	11 14 37.5?	9.02	S	74.40	W	33 N			1.0	6	PERU
	16	11 32 04.2	15.350	N	147.592	E	33 N	5.0	4.0	0.7	70	MARIANA ISLANDS REGION
	16	11 56 41.3*	15.342	N	147.531	E	33 N	4.2		0.3	8	MARIANA ISLANDS REGION
	16	14 15 22.2%	38.860	N	28.041	E	33 N			1.0	5	TURKEY
	16	15 07 46.7?	3.73	S	143.93	E	127 ?	3.9		1.5	11	NEAR N COAST OF PAPUA NEW GUINEA
	16	15 47 58.3	11.856	N	143.220	E	13	5.1	4.2	1.0	68	SOUTH OF MARIANA ISLANDS
	16	16 13 01.3?	34.66	N	26.27	E	10 G			1.7	6	CRETE
	16	17 20 05.0	20.693	S	68.934	W	78	4.9		0.9	50	CHILE-BOLIVIA BORDER REGION
	16	17 50 25.4*	42.367	N	26.262	E	10 G			1.6	9	BULGARIA
	16	17 53 05.6?	13.74	N	60.08	W	33 N			0.4	9	WINDWARD ISLANDS. ML 3.2 (FDF).
	16	18 23 57.9	15.451	N	147.858	E	27 D	4.6		0.8	37	MARIANA ISLANDS REGION
	16	18 44 33.7?	32.63	S	179.36	W	33 N	4.3		1.6	7	SOUTH OF KERMADEC ISLANDS
	16	19 09 32.7	41.741	N	14.206	E	5 G			1 2	41	SOUTHERN ITALY. ML 3.2 (TTG).
	16	19 12 54.7	5.301	S	102.380	E	39 D	4.9		1.3	35	SOUTHERN SUMATERA
o	16	19 18 51.6	2.179	S	141.448	E	29 D	5.2	4.5	1.2	55	NEAR N COAST OF PAPUA NEW GUINEA
	16	19 30 31.4*	15.495	S	73.197	W	59 *	4.6		1.5	10	SOUTHERN PERU
	16	19 31 55.1?	1.14	S	78.32	W	33 N			1.3	7	ECUADOR
	16	19 32 27.7?	31.19	S	68.00	W	100 G			0.1	4	SAN JUAN PROVINCE, ARGENTINA
	16	19 38 51.5&	48.849	N	122.170	W	4				40	WASHINGTON. <SEA>. CL 2.7 (SEA).
	16	19 50 11.6%	44.126	N	7.883	E	10 G			0.7	5	NORTHERN ITALY. ML 1.7 (GEN).
	16	19 51 07.0	38.736	N	21.760	E	10 G			1.2	10	GREECE. ML 3.1 (ATH).
	16	20 03 47.9&	57.569	N	140.557	W	10 G				4	OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>.
	16	20 08 27.9?	41.79	N	19.19	E	5 G			0.4	5	ALBANIA. ML 2.0 (TTG).
	16	20 53 46.6?	13.54	N	87.89	W	145 *	4.5		1.5	26	HONDURAS. Felt (II) at San Salvador.
	16	20 56 22.8&	36.660	N	121.328	W	4				17	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	16	21 08 27.8*	10.211	N	84.790	W	33 N	4.8	4.4	1.2	45	COSTA RICA. MD 4.4 (SJR). Felt (V) at Cabano, (IV) at Cobuya and Paquero and (II) at San Jose.
a	16	22 37 11.2	14.858	S	167.278	E	119 D	5.5		1.1	226	VANUATU ISLANDS
	16	23 24 47.5	43.558	N	7.789	E	11			0.4	16	NEAR SOUTH COAST OF FRANCE. ML 1.8 (LDG). MD 1.7 (STR).
	16	23 44 39.1	16.788	N	93.952	W	127 D	4.6		1.0	80	CHIAPAS, MEXICO
	17	01 11 58.3?	53.37	N	169.22	E	33 N	4.0		0.8	9	KOMANDORSKY ISLANDS REGION
	17	01 38 00.8*	34.307	N	35.317	E	33 N			1.4	6	JORDAN - SYRIA REGION
	17	01 59 26.0	39.280	N	74.783	E	33 N	4.4		1.5	131	SOUTHERN XINJIANG, CHINA. Foreshock.
o	17	01 59 33.4	39.436	N	74.900	E	33 N	6.0	6.2	1.2	277	SOUTHERN XINJIANG, CHINA. Two people injured and many houses collapsed in Wuqia County. Felt at Koshi, Shufu and Wuqia.
	17	02 54 53.6&	59.176	N	150.924	W	69	2.8			10	KENAI PENINSULA, ALASKA. <AGS-P>.

	17	03	31	53.7	43.216	N	3.408	W	10	G		1.0	21	SPAIN. mbLg 3.4 (MDD). ML 3.1 (LDG).
	17	04	17	41.1&	60.173	N	153.239	W	144				42	SOUTHERN ALASKA. <AGS-P>.
	17	04	25	43.3*	39.303	N	74.861	E	33	N	4.1	1.4	10	SOUTHERN XINJIANG, CHINA
	17	04	35	22.0	45.062	N	23.378	E	33	N	3.6	1.0	37	ROMANIA
	17	05	18	53.3%	44.624	N	7.245	E	10	G		0.1	6	NORTHERN ITALY. ML 1.9 (GEN).
	17	05	48	45.1?	31.22	S	69.00	W	120	G		1.0	6	SAN JUAN PROVINCE, ARGENTINA
	17	05	50	33.7?	14.99	N	147.72	E	33	N	4.0	0.8	5	MARIANA ISLANDS REGION
	17	06	27	39.7?	45.88	N	14.53	E	5	G		0.4	4	YUGOSLAVIA. MD 2.5 (LJU).
	17	07	30	48.4*	39.332	N	75.068	E	33	N	4.3	1.3	14	SOUTHERN XINJIANG, CHINA
	17	08	05	25.9&	67.525	N	149.769	W	1		3.1		9	ALASKA. <AGS-P>.
	17	08	30	46.8?	15.16	S	74.38	W	33	N		1.4	6	NEAR COAST OF PERU
	17	08	47	32.2&	34.160	N	117.730	W	12				17	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	17	09	04	36.9&	62.145	N	151.828	W	103		2.9		36	CENTRAL ALASKA. <AGS-P>.
	17	09	09	20.1?	39.84	N	28.87	E	5	G		1.3	4	TURKEY
	17	09	52	42.4*	14.436	S	73.529	W	33	N		0.8	6	PERU
	17	10	27	34.7	40.460	N	84.852	W	5	G		0.5	12	OHIO. mbLg 3.0 (NEIS). Felt (IV) at Burkettsville, Fort Recovery and Saint Henry, Ohio. Felt (III) at Berne, Bryant, Genevo and Portland, Indiana.
	17	10	54	30.8?	56.32	S	25.73	W	33	N	5.0	1.3	11	SOUTH SANDWICH ISLANDS REGION
o	17	11	34	09.0	7.368	N	35.286	W	10	G	5.5 5.7	1.0	363	CENTRAL MID-ATLANTIC RIDGE. Ms 5.7 (PAS), 5.5 (BRK).
	17	12	59	06.4%	39.052	N	27.641	E	10	G		0.6	5	TURKEY
	17	14	11	58.4	34.017	N	117.740	W	10	G		0.7	9	SOUTHERN CALIFORNIA. ML 3.5 (NEIS).
	17	14	19	46.0	34.039	N	117.703	W	10	G		0.7	7	SOUTHERN CALIFORNIA. ML 2.9 (NEIS).
	17	14	30	03.6*	7.541	N	35.549	W	10	G	4.8	0.9	26	CENTRAL MID-ATLANTIC RIDGE
	17	14	46	08.8%	43.069	N	0.403	W	10	G		0.3	6	PYRENEES. MD 1.0 (STR).
	17	14	56	49.6	6.891	S	144.516	E	32		4.9	1.1	54	PAPUA NEW GUINEA. ML 4.5 (PMG).
	17	15	48	02.9?	44.44	N	6.73	E	10	G		0.6	5	FRANCE. MD 1.0 (STR).
	17	16	32	22.6	6.950	S	144.450	E	34	*	4.8	1.1	33	PAPUA NEW GUINEA
	17	17	17	36.6*	2.819	N	126.230	E	86	*	4.9	0 7	21	MOLUCCA PASSAGE
	17	17	58	19.6	12.583	N	48.272	E	23	O	4.9 4.6	1.2	101	EASTERN GULF OF ADEN
	17	18	30	31.2*	42.788	N	85.911	E	33	N	4.3	1.4	12	NORTHERN XINJIANG, CHINA
	17	18	42	10.0*	15.100	N	147.545	E	33	N	4.3	0.7	12	MARIANA ISLANDS REGION
	17	18	56	48.5	43.625	N	10.622	E	10	G		1.2	32	CENTRAL ITALY. ML 2.7 (KBA).
	17	19	17	46.5*	17.203	S	14.280	W	10	G	4.6 4.6	1.1	16	SOUTH ATLANTIC RIDGE
	17	19	41	42.0?	15.08	N	147.62	E	33	N	4.3	0.2	5	MARIANA ISLANDS REGION
	17	19	46	25.2*	36.846	N	22.384	E	96	*		1.4	18	SOUTHERN GREECE. MD 3.3 (ATH).
	17	20	31	09.0	43.995	N	7.192	E	10	G		0.4	7	NEAR SOUTH COAST OF FRANCE. ML 1.5 (GEN). MD 1.0 (STR).
	17	20	52	42.0%	40.764	N	29.090	E	10	G		0.6	7	TURKEY
	17	20	54	04.3?	5.47	S	147.71	E	156	*	4.8	1.0	8	EAST PAPUA NEW GUINEA REGION
	17	21	24	08.8	8.530	N	124.214	E	32	D	4.9	1.1	33	MINDANAO, PHILIPPINE ISLANDS
	17	22	18	10.5?	31.08	S	69.71	W	130	G		0.8	4	SAN JUAN PROVINCE, ARGENTINA
	17	22	32	27.2&	34.110	N	117.720	W	4		4.5		56	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.6 (PAS), 4.7 (BRK). Slight damage (VI) at Claremont. Felt (V) at Canoga Park, Glendora, Hacienda Heights, Mt. Baldy and Upland; (IV) at Alta Loma, Baldwin Park, Bell, Bellflower, Diamond Bar, Etiwanda, Garden Grove, George Air Force Base, Hesperia, Lakewood, Long Beach, Manravia, Montclair, Redlands, Riverside, San Dimas, West Covina, Whittier and Wrightwood. Felt in Los Angeles, Orange, Riverside and San Bernardino Counties.
	17	23	16	32.6?	16.13	N	147.22	E	33	N	4.3	0.9	8	MARIANA ISLANDS REGION
	18	01	30	59.0?	35.73	S	179.61	E	33	N	4.1	0.7	5	OFF E. COAST OF N. ISLAND, N.Z.
	18	02	52	37.8?	31.12	S	68.86	W	100	G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
	18	03	11	15.6	15.337	N	147.524	E	33	N	5.0	0.9	31	MARIANA ISLANDS REGION
	18	03	31	55.4*	3.221	S	75.663	W	130	G		0.8	17	NORTHERN PERU
	18	03	38	32.6*	10.911	N	62.329	W	33	N		0.3	10	NEAR COAST OF VENEZUELA. MD 3.4 (TRN).
	18	05	12	08.2	39.297	N	74.951	E	33	N	4.6	1.1	16	SOUTHERN XINJIANG, CHINA
	18	05	18	16.8	15.182	N	147.474	E	27		5.0 4.1	0.9	47	MARIANA ISLANDS REGION
	18	05	26	02.3*	14.995	N	147.626	E	33	N	4.6 4.6	1.0	19	MARIANA ISLANDS REGION
	18	05	48	29.0?	64.56	N	156.67	W	10	G		1.7	4	CENTRAL ALASKA. ML 2.7 (PMR).
	18	05	51	13.8*	14.921	N	147.708	E	33	N	3.9	0.4	12	MARIANA ISLANDS REGION
	18	06	02	08.1*	15.099	N	147.606	E	33	N	4.1	0.3	6	MARIANA ISLANDS REGION
	18	06	15	23.0*	6.430	S	129.101	E	235	*	4.9	1.4	25	BANDA SEA
	18	07	21	43.2	26.969	N	140.278	E	420		4.7	0.8	66	BONIN ISLANDS REGION
	18	07	22	53.7?	30.79	N	131.39	E	33	N	4.8	1.6	8	KYUSHU, JAPAN
	18	07	44	51.6%	60.361	N	5.264	E	10	G		1.3	8	SOUTHERN NORWAY. MD 1.4 (BER).
	18	07	55	56.6	7.000	S	144.478	E	25	D	4.9	1.1	28	PAPUA NEW GUINEA
	18	08	24	54.1*	14.789	N	147.906	E	33	N	4.2	1.3	7	MARIANA ISLANDS REGION
	18	09	01	55.4%	39.111	N	27.494	E	10	G		0.7	5	TURKEY
	18	09	16	04.7&	62.638	N	143.518	W	0				19	CENTRAL ALASKA. <AGS-P>.
	18	09	39	28.0?	15.08	N	147.59	E	33	N	3.9	0.6	6	MARIANA ISLANDS REGION
	18	09	44	29.2	35.389	N	4.031	W	10	G	4.1	1.2	25	STRAIT OF GIBRALTAR. mbLg 3.9 (MDD).
	18	10	18	02.9?	40.47	N	27.79	E	10	G		0.6	4	TURKEY
a	18	10	33	48.9	57.968	S	10.316	W	10	G	5.2 5.2	1.0	48	SOUTHWESTERN ATLANTIC OCEAN
	18	11	31	41.4%	40.451	N	23.092	E	5	G		0.5	5	GREECE
	18	11	34	39.9	35.302	N	4.006	W	10	G		1.3	9	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
	18	11	37	04 9*	36.028	N	21.925	E	10	G		1.1	7	SOUTHERN GREECE
	18	13	05	43.5	30.768	N	51.460	E	61	*		0.4	8	IRAN
	18	13	22	20.9*	11.536	S	114.844	E	33	N	3.4	0 5	7	SOUTH OF BALI ISLAND
	18	13	31	59.0%	60.299	N	5.372	E	10	G		1.0	6	SOUTHERN NORWAY. MD 1.3 (BER).
	18	13	37	57.2&	36.910	N	121.652	W	8		4.3		28	CENTRAL CALIFORNIA. <BRK>. ML 4.4 (BRK). Mo=1.0*10**16 Nm (BRK). Felt in the Watsonville area.
	18	13	38	12.0&	36.910	N	121.652	W	8		4.1		8	CENTRAL CALIFORNIA. <BRK>. ML 4.9 (BRK). Hypocenter held to location of previous event.
f	18	13	39	19.0	1.186	N	122.857	E	26	G	6.2 7.4	1.2	294	MINAHASSA PENINSULA. Ms 7.3 (BRK). Mo=2.0*10**20 Nm (PPT). At least 3 people killed and 25 people injured. More than 1,140 houses damaged in the Boladng-Gorontalo area. Felt strongly throughout the Minahassa Peninsula. Also felt in central Sulawesi. Two events about 4.5 seconds apart. Depth from broadband displacement seismograms, based on second event.
	18	13	41	38.8&	36.918	N	121.670	W	6		4.2		29	CENTRAL CALIFORNIA. <BRK>. ML 5.0 (BRK). Mo=3.7*10**16 Nm (BRK). Felt in Monterey, San Benito, Santa Clara and

													Santa Cruz Counties.
	18	13	53	51.4&	36.917	N	121.675	W	5		5.4		46 CENTRAL CALIFORNIA. <BRK>. ML 5.4 (BRK). Mo=1.5*10**17 Nm (BRK). Slight damage (VI) in the Santa Cruz-Watsonville-San Juan Bautista area. Felt (V) at Aptos, Carmel Valley, Castroville, Dublin, Gilroy, Half Moon Bay, Moss Landing, Pleasanton, San Jose, San Pablo, Soquel and Tres Pinos. Felt in Alameda, Contra Costa, Marin, Merced, Monterey, San Benito, San Francisco, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Sonoma and Stanislaus Counties. Landslides occurred in the Watsonville-San Juan Bautista area.
	18	13	54	19.0*	0.368	N	123.131	E	33	N	5.6	1.6	7 MINAHASSA PENINSULA
	18	14	10	25.2*	8.988	S	125.609	E	33	N		0.9	6 TIMOR
	18	14	19	02.0*	1.212	N	122.999	E	33	N	5.3	1.5	19 MINAHASSA PENINSULA
	18	14	23	56.2	1.182	N	122.819	E	33	N	5.4	1.4	52 MINAHASSA PENINSULA
	18	14	26	05.8&	33.880	N	116.160	W	5				10 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt in the Palm Springs area.
	18	14	29	01.3	1.321	N	123.039	E	33	N	5.3	1.6	35 MINAHASSA PENINSULA
	18	14	32	49.1&	33.880	N	116.170	W	5				19 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). Felt (IV) at Hemet and La Quinta; (III) at India, Lakeview, Mecca and Palm Desert.
	18	14	35	17.0	1.129	N	122.645	E	33	N	5.6	0.8	27 MINAHASSA PENINSULA
	18	14	39	00.0&	36.905	N	121.658	W	6				12 CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	18	14	50	22.7*	1.085	N	122.746	E	33	N	5.0	1.2	22 MINAHASSA PENINSULA
	18	14	52	23.8&	36.912	N	121.663	W	6		4.3		29 CENTRAL CALIFORNIA. <BRK>. ML 4.3 (BRK). Mo=3.2*10**15 Nm (BRK). Felt in the Watsonville area.
	18	14	52	24.6&	61.827	N	147.435	W	36				37 SOUTHERN ALASKA. <AGS-P>.
	18	14	53	13.5	1.443	N	123.016	E	33	N	4.9	1.1	34 MINAHASSA PENINSULA
	18	15	06	19.7*	1.449	N	123.128	E	33	N	4.9	1.3	7 MINAHASSA PENINSULA
	18	15	12	55.6?	1.22	N	122.77	E	33	N	4.4	1.1	8 MINAHASSA PENINSULA
	18	15	15	22.5	1.319	N	122.973	E	33	N	5.3	1.2	53 MINAHASSA PENINSULA
	18	15	27	08.2	1.290	N	123.113	E	29	D	5.4	1.1	58 MINAHASSA PENINSULA
	18	15	28	16.5&	36.928	N	121.680	W	6				30 CENTRAL CALIFORNIA. <BRK>. ML 4.7 (BRK). Mo=7.3*10**15 Nm (BRK). Felt in the Watsonville area.
	18	15	36	51.5&	36.932	N	121.688	W	9				22 CENTRAL CALIFORNIA. <BRK>. ML 4.2 (BRK). Mo=2.5*10**16 Nm (BRK). Felt in the Watsonville area.
	18	15	46	03.7&	36.932	N	121.695	W	9		4.6		55 CENTRAL CALIFORNIA. <BRK>. ML 5.2 (BRK). Mo=3.9*10**16 Nm (BRK). Felt strongly in the Santa Cruz-Watsonville area. Felt in Monterey, San Benito, San Mateo, Santa Clara and Santa Cruz Counties.
	18	15	50	46.3	1.337	N	122.846	E	33	N	5.1	1.0	45 MINAHASSA PENINSULA
	18	16	06	28.5&	36.923	N	121.687	W	9				22 CENTRAL CALIFORNIA. <BRK>. ML 3.9 (BRK). Mo=9.2*10**14 Nm (BRK). Felt in the Watsonville area.
	18	16	19	00.7*	1.226	N	123 168	E	33	N	4.8	0.9	14 MINAHASSA PENINSULA
	18	16	19	13.2&	36.920	N	121.678	W	9				21 CENTRAL CALIFORNIA. <BRK>. ML 4.2 (BRK). Mo=1.6*10**15 Nm (BRK). Felt in the Watsonville area.
	18	16	21	37.3*	1.169	N	123.690	E	33	N	4.8	1.3	15 MINAHASSA PENINSULA
	18	16	23	31.2*	1.948	S	126.050	E	33	N	5.2	1.3	12 MOLUCCA SEA
	18	16	43	55.1?	1.49	N	123.61	E	33	N	4.3	1.1	13 MINAHASSA PENINSULA
	18	16	54	46.3	1.221	N	123.039	E	33	N	5.0	1.0	29 MINAHASSA PENINSULA
	18	17	06	18.4	1.263	N	122.984	E	35	D	5.7	1.1	157 MINAHASSA PENINSULA
	18	17	17	53.2*	1.393	N	123.506	E	33	N	5.1	1.1	29 MINAHASSA PENINSULA
	18	17	26	08.5*	1.224	N	122.994	E	33	N	5.0	1.3	11 MINAHASSA PENINSULA
	18	17	27	41.8&	36.942	N	121.692	W	4				15 CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	18	17	40	08.0?	31.38	S	68.43	W	100	G		0.5	5 SAN JUAN PROVINCE, ARGENTINA
	18	17	47	23.1&	37.880	N	121.975	W	2				9 CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK). Mo=4.3*10**13 Nm (BRK). Felt at Walnut Creek.
	18	18	12	24.6*	0.680	N	123.557	E	33	N	4.7	1.1	7 MINAHASSA PENINSULA
	18	18	24	50.9	1.215	N	123.429	E	31	D	5.4	1.0	78 MINAHASSA PENINSULA
a	18	18	32	59.9	1.315	N	123.018	E	19	G	5.9 6.2	1.1	230 MINAHASSA PENINSULA. Depth from broadband displacement seismograms.
	18	18	36	27.6	34.315	N	27.872	E	10	G		1.2	10 EASTERN MEDITERRANEAN SEA
	18	18	45	24.1	1.244	N	123.002	E	33	N	5.1	1.2	29 MINAHASSA PENINSULA
	18	18	54	38.5	1.232	N	123.358	E	29	D	5.4	1.1	73 MINAHASSA PENINSULA
	18	19	08	00.8	1.305	N	123.359	E	33	N	5.2	1.3	50 MINAHASSA PENINSULA
	18	19	19	29.8	1.257	N	123.470	E	33	N	5.1	1.0	54 MINAHASSA PENINSULA
	18	19	22	40.2	1.229	N	123.441	E	37	D	5.5	1 1	116 MINAHASSA PENINSULA
	18	19	38	08.9	31.107	N	51.678	E	47	*	4.7	1.3	41 IRAN. Domage in the Honno area. Also felt at Eslamabad.
	18	19	40	11.7*	13.244	N	146.875	E	33	N	4.0	0.4	5 SOUTH OF MARIANA ISLANDS
	18	19	41	10.0?	66.42	N	14.50	E	5	G		0.8	4 NORTHERN NORWAY. MD 3.1 (BER).
	18	19	55	50.6?	34.34	S	72.22	W	21	*		0 6	6 NEAR COAST OF CENTRAL CHILE
	18	20	05	28.3*	36.178	N	27.204	E	10	G	3.6	1.6	8 DODECANESE ISLANDS
	18	20	11	30.6?	51.17	N	15.85	E	10	G		0.3	4 POLAND
	18	20	29	19.9&	59.324	N	153.497	W	110				27 SOUTHERN ALASKA. <AGS-P>.
	18	20	34	07.6	1.276	N	123.070	E	33	N	4.9	0.6	21 MINAHASSA PENINSULA
	18	20	57	37.2*	1.431	N	123.533	E	33	N	4.9	1.3	19 MINAHASSA PENINSULA
	18	21	05	51.2*	36.157	N	70.109	E	33	N	4.0	0.7	7 HINDU KUSH REGION
	18	21	06	10.8?	31.43	S	68.54	W	100	G		0.5	5 SAN JUAN PROVINCE, ARGENTINA
	18	21	17	27.0*	16.928	N	62.161	W	10	G		0.2	5 LEEWARD ISLANDS. ML 2.5 (FDF).
	18	21	28	57.1&	36.897	N	121.665	W	9				13 CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	18	21	35	13.4*	1.311	N	123.626	E	33	N	4.9	1.0	22 MINAHASSA PENINSULA
	18	22	13	14.4?	33.34	S	72.72	W	33	N		0.3	5 OFF COAST OF CENTRAL CHILE
	18	22	27	58.3*	1.342	N	123.084	E	33	N	4.5	0.7	12 MINAHASSA PENINSULA
	18	22	47	30.7	1.390	N	122.907	E	33	N	5.0	1.0	45 MINAHASSA PENINSULA
	18	23	06	29.2	18.649	S	169.203	E	246		4.9	1.3	126 VANUATU ISLANDS
	18	23	57	07.3%	39.325	N	27.827	E	10	G		1.1	9 TURKEY
	19	00	01	34.3?	35.01	S	70.05	W	131	*		0.7	12 CHILE-ARGENTINA BORDER REGION
	19	01	01	48.2*	1.487	N	123.118	E	33	N	4.6	1.4	12 MINAHASSA PENINSULA
a	19	01	05	08.7	1.300	N	123.021	E	33	N	5.7 5.7	1.3	158 MINAHASSA PENINSULA. Ms 5.7 (PAS).
	19	01	35	27.7?	41.34	N	23.50	E	10	G		0.5	5 GREECE-BULGARIA BORDER REGION
	19	02	04	45.6*	34.611	N	23.735	E	10	G		1.6	8 CRETE
	19	02	15	20.8&	62.571	N	151.348	W	94		3.1		55 CENTRAL ALASKA. <AGS-P>.
	19	02	32	21.2?	31.26	S	68.53	W	119	?		1.5	8 SAN JUAN PROVINCE, ARGENTINA

	19	03	36	58.6*	6.583	S	128.901	E	194		4.6		1.2	28	BANDA SEA
	19	03	44	27.6%	38.031	N	14.930	E	10	G			0.7	7	SICILY
	19	03	44	54.3	40.987	N	22.376	E	10	G			0.2	7	GREECE. ML 2.5 (SKO).
	19	03	45	39.6	36.778	N	70.908	E	10	G	4.5		1.1	17	HINDU KUSH REGION
	19	03	57	20.4	1.317	N	123.692	E	33	N	4.9		1.0	47	MINAHASSA PENINSULA
	19	03	59	22.4	1.188	N	123.463	E	28	D	5.3	4.2	1.1	36	MINAHASSA PENINSULA
	19	05	35	16.7	50.597	N	5.443	E	10	G			1.1	26	BELGIUM. MD 3.6 (UCC). ML 3.4 (LDG), 3.1 (BNS), 3.0 (DBN). Felt in the area north of Liege.
	19	05	50	03.7	44.294	N	6.515	E	10	G			0.6	18	FRANCE. MD 3.4 (STR).
	19	07	29	44.5%	39.688	N	27.554	E	10	G			1.2	7	TURKEY
	19	07	36	15.3	44.280	N	7.451	E	10	G			0.5	16	NORTHERN ITALY. ML 2.4 (LDG), 2.2 (GEN).
a	19	08	28	33.2	1.429	N	123.576	E	33	N	5.1		1.1	52	MINAHASSA PENINSULA
	19	08	37	34.8	43.266	N	111.163	W	5	G			0.9	29	EASTERN IDAHO. ML 3.1 (NEIS), 3.3 (BUT). Felt (IV) in the Palisades area and (III) at Irwin.
	19	09	25	22.2%	39.029	N	27.577	E	5	G			1.2	5	TURKEY
	19	11	10	39.4*	39.501	N	74.579	E	33	N	3.9		1.6	5	SOUTHERN XINJIANG, CHINA
	19	11	28	29.6*	1.355	N	123.530	E	33	N	4.6		1.2	16	MINAHASSA PENINSULA
f	19	12	40	38.6	1.108	N	123.429	E	24	G	5.8	6.2	1.2	224	MINAHASSA PENINSULA. Ms 6.1 (BRK), 5.9 (PAS). Depth from broadband displacement seismograms.
	19	12	51	42.1&	36.897	N	121.657	W	2					16	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	19	12	58	42.4*	36.825	N	71.139	E	245	?	4.2		1.1	13	AFGHANISTAN-USSR BORDER REGION
	19	13	22	19.4&	60.078	N	152.852	W	101		3.4			66	SOUTHERN ALASKA. <AGS-P>.
	19	13	25	34.4&	41.707	N	112.374	W	8					5	UTAH. <SLC-P>. ML 2.7 (SLC). Felt at the Thiokol Corporation Plant.
	19	14	07	46.0&	36.882	N	121.662	W	6					23	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=6.0*10**14 Nm (BRK). Felt at Moss Landing, Prunedale and Salinas.
	19	14	11	36.5&	63.342	N	151.326	W	7					12	CENTRAL ALASKA. <AGS-P>.
	19	14	43	04.9&	60.805	N	151.179	W	65					32	KENAI PENINSULA, ALASKA. <AGS-P>.
	19	14	46	42.2%	37.024	N	4.729	W	10	G			1.6	6	SPAIN. mbLg 2.6 (MDD).
	19	15	00	55.1	1.272	N	123.033	E	33	N	4.9	4.1	1.1	38	MINAHASSA PENINSULA
	19	15	18	10.9*	1.254	N	127.944	E	33	N	4.3		0.8	13	HALMAHERA
	19	15	27	23.0	45.631	N	8.001	E	10	G			0.7	7	NORTHERN ITALY
	19	15	31	16.6?	31.48	S	68.86	W	110	G			0.4	5	SAN JUAN PROVINCE, ARGENTINA
	19	15	43	21.3&	61 772	N	151.072	W	72					36	SOUTHERN ALASKA. <AGS-P>.
	19	15	48	58.7	14.976	N	147.447	E	33	N	4.5		0.8	20	MARIANA ISLANDS REGION
	19	15	59	21.3	15.138	N	147.482	E	33	N	4.7		0.8	19	MARIANA ISLANDS REGION
	19	16	35	27.0%	44.843	N	7.604	E	10	G			0.8	10	NORTHERN ITALY. ML 2.3 (GEN).
	19	16	54	01.4&	38.658	N	119.558	W	7					19	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.5 (BRK).
	19	17	10	12.2	1.306	N	123.509	E	33	N	4.6	4.0	1.1	27	MINAHASSA PENINSULA
	19	18	35	32.6*	1.567	N	123.238	E	33	N	4.6		1.1	12	MINAHASSA PENINSULA
	19	18	55	54.4	20 965	S	68.857	W	101	D	4.7		1.2	62	CHILE-BOLIVIA BORDER REGION
	19	19	19	22.1%	36.877	N	22.677	E	10	G			0.7	5	SOUTHERN GREECE. ML 3.0 (ATH).
	19	19	49	09.8%	36.901	N	22.711	E	10	G			0.7	5	SOUTHERN GREECE. ML 3.0 (ATH).
	19	21	53	10.1*	1.530	N	123.540	E	33	N	4.5		1.3	16	MINAHASSA PENINSULA
	19	22	03	08.1	1.093	N	123.876	E	26	D	5.1	4.1	1.3	35	MINAHASSA PENINSULA
	19	22	30	59.4*	15.282	N	147.643	E	33	N	4.2		0.5	8	MARIANA ISLANDS REGION
a	19	22	41	31.0	34 018	N	69.742	E	33	D	5.2	5.1	1.2	92	AFGHANISTAN
	20	00	11	24.6?	38.69	N	24.94	E	10	G			1.4	4	AEGEAN SEA. ML 2.7 (ATH).
	20	00	24	59.4?	30.25	S	72.51	W	33	N			0.6	8	OFF COAST OF CENTRAL CHILE
	20	00	48	10.1*	28.654	S	67.098	W	130	*	3.9		1.2	13	LA RIOJA PROVINCE, ARGENTINA
	20	03	24	22.5*	0.393	N	123.183	E	33	N	4.7		0.6	14	MINAHASSA PENINSULA
	20	03	24	46.2&	34.120	N	117.720	W	4					25	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 4.0(BRK). Slight damage (VI) at Mt. Baldy. Felt (V) at Claremont and El Monte; (IV) at Covina and Upland; (III) at Guosti.
	20	03	45	46.4&	57.380	N	143.085	W	10	G	3.2			29	GULF OF ALASKA. <AGS-P>.
	20	04	15	34.9*	54.500	N	161.521	E	33	N	4.3		0.8	16	NEAR EAST COAST OF KAMCHATKA
	20	04	56	49.3	41.190	N	20.085	E	10	G			1.6	8	ALBANIA. ML 2.7 (SKO), 2.5 (TTG).
	20	05	36	05.6%	39.643	N	27.748	E	10	G			1.2	8	TURKEY
	20	06	07	26.6	37.646	N	20.608	E	27		3.4		1.5	22	IONIAN SEA. ML 3.9 (THE), 3.8 (ATH).
	20	07	01	22.5*	36.195	N	27.188	E	10	G	4.7		1.7	13	DODECANESE ISLANDS. ML 4.1 (ATH).
	20	07	05	56.4*	44.078	N	127.166	W	10	G	2.5		0.6	49	OFF COAST OF OREGON
	20	08	16	45.7*	14.785	N	146.332	E	144	*	4.7		1.0	43	MARIANA ISLANDS
	20	08	51	35.0	24.182	S	179.655	W	474	D	5.2		0.9	98	SOUTH OF FIJI ISLANDS
	20	09	19	37.7&	62 009	N	148.701	W	46					52	CENTRAL ALASKA. <AGS-P>. ML 2.8 (PMR).
	20	11	19	39.8?	39.10	N	27.69	E	10	G			0.3	4	TURKEY
	20	11	51	48.5*	1.058	N	124.083	E	33	N	4.8	4.3	1.5	21	MINAHASSA PENINSULA
	20	12	26	39.5?	46.27	N	2.00	W	10	G			1.5	10	BAY OF BISCAY. ML 2.9 (LDG).
	20	12	34	00.8%	42.030	N	12.853	E	10	G			0.7	7	CENTRAL ITALY
	20	12	57	19.5%	42.124	N	24.466	E	10	G			1.3	6	BULGARIA
	20	13	05	40.9?	37 02	N	49.12	E	10	G			1.6	7	CASPIAN SEA
	20	15	07	31.8	38.846	N	22.012	E	10	G			1.5	20	GREECE. ML 3.1 (ATH).
	20	15	18	50.9	44.388	N	7.396	E	5	G			0.6	8	NORTHERN ITALY. ML 2.0 (LDG), 1.9 (GEN).
	20	15	34	05.4?	24.74	N	122.89	E	93	?	3.8		0.3	7	TAIWAN REGION
	20	17	50	10.2?	23 37	N	120.90	E	10	G			0.2	4	TAIWAN
	20	17	56	50.8	1.365	N	123.404	E	33	N	4.8	4.5	1.3	33	MINAHASSA PENINSULA
o	20	18	23	29.9	14.859	S	71.374	W	144	D	5.1		1.3	97	PERU
	20	18	25	38.6*	20.341	S	177.526	W	362	?	4 9		0.9	28	FIJI ISLANDS REGION
	20	19	25	34.1	29.695	N	57.427	E	10	G	4.6		1.5	26	SOUTHERN IRAN. Felt at Kerman.
	20	20	23	01.8	32.771	N	85.887	E	33	N	4.3		1.1	16	TIBET
o	20	20	33	38.0	13.241	N	90.079	W	77		5.0		1.3	134	NEAR COAST OF GUATEMALA
	20	20	51	06.3?	0.75	N	78.20	W	10	G			0.5	4	COLOMBIA-ECUADOR BORDER REGION
	20	21	09	17.8?	39.55	N	27.83	E	10	G			0.4	6	TURKEY
	20	21	42	44.1?	14.03	N	148.19	E	33	N	4.1		0.1	4	MARIANA ISLANDS REGION
	20	23	19	42.8*	6.255	S	146.977	E	144	*	4.3		1.3	14	EAST PAPUA NEW GUINEA REGION
o	20	23	20	31.8	6.270	S	151.178	E	52	*	5.4	4.9	1.1	102	NEW BRITAIN REGION
o	20	23	30	03.4	40.002	N	40.069	E	14	D	5.0	4.3	1.4	170	TURKEY. Twelve animals killed and slight damage to buildings in Erzincan Province. Felt in Erzurum, Giresun, Ordu and Trabzon Provinces.
	21	00	15	23.1%	44.232	N	11.438	E	10	G			0.7	8	NORTHERN ITALY
	21	00	19	31.5%	0.262	S	77.478	W	10	G			0.6	7	ECUADOR
	21	00	26	28.4&	62.799	N	148.334	W	62		4.5			112	CENTRAL ALASKA. <AGS-P>. Felt at Anchorage, Cantwell, Fairbanks, Palmer and Willow.

	21	01	27	00.5	15.491	N	147.668	E	38	D	5.2	4.7	0.8	102	MARIANA ISLANDS REGION
	21	01	42	33.5?	10.19	S	123.72	E	33	N	4.2		1.0	4	TIMOR
	21	01	46	56.0%	39.955	N	29.433	E	10	G			1.3	7	TURKEY
	21	01	57	14.6	39.561	N	29.124	E	10	G			0.7	8	TURKEY
	21	02	06	24.9	36.289	N	70.927	E	79	?	4.6		1.1	32	HINDU KUSH REGION. Felt (II) at Khorog, USSR.
	21	03	35	06.6	38.770	N	20.816	E	10	G			1.2	12	GREECE. ML 3.2 (THE). MD 3.2 (ATH).
	21	04	24	40.5&	62.657	N	143.505	W	0		3.6			24	CENTRAL ALASKA. <AGS-P>.
	21	04	27	22.8*	1.278	N	123.106	E	33	N	4.6		0.6	7	MINAHASSA PENINSULA
	21	04	59	47.2?	36.70	N	70.54	E	170	?	3.4		0.9	9	HINDU KUSH REGION
a	21	05	14	03.9	1.234	N	123.254	E	33	D	5.1	4.7	1.1	63	MINAHASSA PENINSULA
	21	05	43	21.6	44.486	N	7.292	E	10	G			0.4	12	NORTHERN ITALY. ML 2.2 (GEN), 2.0 (LDG).
	21	05	49	08.9?	41.68	N	12.83	E	10	G			0.1	4	SOUTHERN ITALY
	21	08	25	05.8*	60.534	S	47.071	W	10	G	4.8		1.1	20	SCOTIA SEA
	21	09	00	45.6	15.679	N	147.204	E	33	N	4.1	4.1	1.1	25	MARIANA ISLANDS REGION
	21	09	17	42.7	44.502	N	8.787	E	10	G			0.8	48	NORTHERN ITALY. ML 2.9 (GEN), 3.2 (LDG). MD 2.8 (STR).
	21	09	24	49.4	58.145	N	154.669	W	107		4.3		0.9	42	ALASKA PENINSULA
	21	09	42	27.8	46.175	N	13.603	E	10	G			1.1	9	AUSTRIA. MD 2.8 (LJU). ML 2.5 (KBA). Felt at Kobarid, Yugoslavia.
	21	09	42	56.7	44.549	N	8.759	E	10	G			1.0	25	NORTHERN ITALY. ML 2.8 (GEN), 3.0 (LDG). MD 2.7 (STR).
	21	09	45	33.1	51.747	N	16.482	E	11				0.4	12	POLAND. ML 3.8 (VKA), 3.8 (GRF), 3.5 (KBA).
	21	11	22	05.5*	23.959	N	121.769	E	13	*	3.5		1.2	8	TAIWAN
	21	11	53	32.3*	44.598	N	8.487	E	5	G			1.3	8	NORTHERN ITALY. ML 2.5 (GEN).
	21	11	55	00.5&	62.271	N	147.280	W	46					29	CENTRAL ALASKA. <AGS-P>.
	21	11	56	16.2*	7.077	S	130.044	E	63	*	4.6		1.3	13	TANIMBAR ISLANDS REGION
	21	12	24	04.8*	29.649	N	138.096	E	487	?	4.0		0.8	12	SOUTH OF HONSHU, JAPAN
	21	13	01	07.8	28.174	N	55.551	E	33	N	4.4		1.3	55	SOUTHERN IRAN
	21	13	27	32.7*	16.019	N	95.223	E	33	N	4.1		0.6	5	SOUTH BURMA
	21	13	30	20.5%	40.272	N	28.061	E	10	G			0.6	6	TURKEY
	21	13	33	01.4&	48.830	N	122.158	W	4		3.1			65	WASHINGTON. <SEA>. CL 3.3 (SEA).
	21	13	35	18.7?	2.70	N	79.88	W	10	G	3.5		1.2	8	SOUTH OF PANAMA
	21	13	37	46.0?	39.34	N	27.25	E	10	G			0.2	4	TURKEY
	21	14	39	46.6&	59.042	N	152.915	W	72					31	SOUTHERN ALASKA. <AGS-P>.
	21	15	01	11.7?	16.27	N	60.99	W	33	N			0.2	4	LEEWARD ISLANDS. ML 2.1 (FDF).
	21	15	01	17.8&	63.740	N	149.766	W	136		3.1			53	CENTRAL ALASKA. <AGS-P>.
	21	15	12	29.9	40.187	N	28.920	E	11				1.3	20	TURKEY. Felt at Bursa.
	21	15	48	20.3*	31.826	S	69.807	W	33	N			1.3	9	SAN JUAN PROVINCE, ARGENTINA
	21	16	14	38.1?	44.48	N	6.98	E	10	G			0.3	4	FRANCE. ML 1.7 (GEN).
	21	16	28	55.1	40.091	N	21.763	E	9		3.8		0.8	25	GREECE. ML 3 3 (THE), 3.7 (ATH).
	21	16	30	57.3*	1.222	N	122.842	E	33	N	4.4		1.3	9	MINAHASSA PENINSULA
	21	16	42	15.3?	31.34	S	68.82	W	127	?			0.8	10	SAN JUAN PROVINCE, ARGENTINA
	21	16	55	31.0?	17.70	S	69.46	W	223	?			0.3	5	PERU-BOLIVIA BORDER REGION
	21	17	02	35.9*	1.340	N	122.830	E	47	?	4.4		0.6	9	MINAHASSA PENINSULA
	21	17	03	11.9	36.425	N	26.647	E	141		4.1		1.1	60	DODECANESE ISLANDS. MD 4.4 (HLW).
	21	17	20	30.6%	31.877	N	35.500	E	10	G			0.6	7	DEAD SEA REGION
	21	17	25	36.7?	44.63	N	8.64	E	10	G			0.6	6	NORTHERN ITALY. ML 2.5 (GEN).
	21	17	44	21.1*	6.961	S	155.445	E	77	*	4.5		1.1	18	SOLOMON ISLANDS
	21	18	27	54.2*	44.450	N	8.832	E	10	G			0.9	9	NORTHERN ITALY. ML 2.2 (GEN).
	21	18	42	52.1%	45.132	N	7.036	E	10	G			0.4	7	NORTHERN ITALY. ML 1.7 (GEN).
a	21	18	54	52.4	36.985	S	73.303	W	12	G	6.0	5.7	1.1	182	NEAR COAST OF CENTRAL CHILE. Ms 5.7 (PAS). Felt (IV) in the Talcahuano area. Felt at Cancepcion. Depth from broadband displacement seismograms.
	21	19	11	00.2%	47.064	N	9.541	E	10	G			0.7	5	GERMANY
	21	19	11	06.1*	11.214	N	125.932	E	132	?	4.4		1.6	25	SAMAR, PHILIPPINE ISLANDS
	21	19	26	41.7*	2.990	S	77.673	W	33	N	4.5		1.3	25	PERU-ECUADOR BORDER REGION
	21	19	51	17.7&	62.731	N	150.613	W	87					33	CENTRAL ALASKA. <AGS-P>.
	21	21	11	15.1	43.980	N	7.616	E	10				0.8	21	NEAR SOUTH COAST OF FRANCE. ML 2.7 (LDG), 2.3 (GEN).
	21	21	26	53.3*	35.384	N	31.284	E	10	G			1.3	7	CYPRUS. ML 3.1 (CSS).
	21	21	57	52.4*	36.104	N	53.112	E	29	*	4.5		0.9	7	IRAN
	21	22	13	53.3?	6.39	S	132.20	E	33	N	4.4		1.5	5	TANIMBAR ISLANDS REGION
	21	22	53	18.0&	63.147	N	150.462	W	112					13	CENTRAL ALASKA. <AGS-P>.
	21	22	56	50.0?	43.89	N	7.46	E	5	G			0.2	4	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG).
a	21	22	56	55.3	47.488	N	138.956	E	505	D	5.1		0.7	314	NEAR E. COAST OF EASTERN USSR
	21	23	02	24.2	62.279	N	147.788	W	78	?			0.6	11	CENTRAL ALASKA
	21	23	11	41.4?	44.32	N	7.25	E	5	G			0.1	4	NORTHERN ITALY. ML 1.5 (GEN).
	21	23	14	46.4?	61.96	N	4.36	E	10	G			0.5	5	SOUTHERN NORWAY. MD 1.9 (BER).
	21	23	18	31.9*	37.066	N	28.194	E	10	G			1.4	5	TURKEY
	21	23	20	20.9	22.524	S	70.269	W	47	*	5.1		1.1	65	NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasta.
	21	23	57	20.5?	51.53	N	16.10	E	10	G			0.4	8	POLAND. ML 2.8 (KRA), 3.1 (GRF).
	22	00	09	15.0%	61.818	N	5.058	E	10	G			1.3	8	SOUTHERN NORWAY. MD 2.7 (BER).
	22	00	32	02.9&	46.544	N	119.733	W	22					49	WASHINGTON. <SEA>. CL 3.3 (SEA).
	22	00	36	45.7	15.097	N	147.436	E	38	*	4.8		0.9	52	MARIANA ISLANDS REGION
	22	00	48	53.8	15.118	N	147.380	E	46		4.8		0.9	46	MARIANA ISLANDS REGION
	22	00	49	14.3*	40.320	N	39.470	E	10	G	4.1		0.1	5	TURKEY. Felt at Erzincan.
	22	01	34	06.8?	34.49	N	51.34	E	10	G			0.2	5	IRAN
	22	01	42	05.1&	61.236	N	150.661	W	12					45	SOUTHERN ALASKA. <AGS-P>.
	22	01	44	12.9	15.135	N	147.419	E	33	N	4.9		0.8	20	MARIANA ISLANDS REGION
	22	01	45	43.2	5.258	S	152.117	E	80	*	4.8		0.5	29	NEW BRITAIN REGION
	22	01	56	05.6	15.097	N	147.482	E	33	N	4.9	4.1	0.9	54	MARIANA ISLANDS REGION
	22	02	00	15.5&	36.880	N	121.647	W	5					19	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Mo=1.5*10**15 Nm (BRK). Felt in the Watsonville area.
	22	02	00	43.8	15.058	N	147.496	E	33	N	4.9	4.4	0.9	40	MARIANA ISLANDS REGION
	22	02	11	52.3?	30.12	S	178.19	W	447	?	3.8		1.6	17	KERMADEC ISLANDS
	22	03	38	58.9?	26.83	N	127.88	E	33	N	4.2		1.4	8	RYUKYU ISLANDS
	22	04	46	08.3?	18.14	S	178.49	W	621	?	4.6		1.0	22	FIJI ISLANDS REGION
	22	04	54	43.2	19.034	N	64.603	W	33	N	3.3		0.4	8	VIRGIN ISLANDS
	22	05	39	17.1?	41.11	N	14.70	E	10	G			0.1	4	SOUTHERN ITALY
	22	05	45	25.9%	41.260	N	14.930	E	10	G			0.6	6	SOUTHERN ITALY
	22	05	54	24.9	6.734	N	73.122	W	168	D	5.0		0.9	101	NORTHERN COLOMBIA
	22	06	18	03.1	10.748	N	62.685	W	116	D	4.9		1.0	167	NEAR COAST OF VENEZUELA. MD 4.8 (TRN). Felt (III) on Trinidad.
	22	07	14	58.9&	60.067	N	152.743	W	101		2.7			48	SOUTHERN ALASKA. <AGS-P>.
	22	07	21	36.4%	41.023	N	14.734	E	10	G			0.4	5	SOUTHERN ITALY

	22	07	41	37.5?	20.88	S	178.79	W	588 *	4.5		1.0	26	FIJI ISLANDS REGION
	22	07	47	59.2*	4.716	S	152.399	E	76 *	4.4		0.6	11	NEW BRITAIN REGION
	22	08	08	05.0*	10.262	S	161.706	E	33 N	4.3		1.5	11	SOLOMON ISLANDS
	22	08	23	20.0	36.972	S	73.334	W	33 N	5.2	4.2	0.8	37	NEAR COAST OF CENTRAL CHILE
	22	09	20	54.4	37.378	N	20.391	E	53 *	3.5		0.7	15	IONIAN SEA. MD 3.7 (ATH).
	22	09	45	05.0	41.178	N	14.711	E	11			1.1	38	SOUTHERN ITALY. ML 3.1 (ROM).
	22	10	42	54.3	85.939	N	31.134	E	10 G	4.7	4.5	1.0	41	NORTH OF SVALBARD
	22	11	42	50.6*	41.714	N	16.083	E	10 G			0.6	7	SOUTHERN ITALY
	22	12	06	19.8&	62.367	N	150.641	W	72				35	CENTRAL ALASKA. <AGS-P>.
	22	12	40	53.2?	19.79	N	99.00	W	33 N			0.2	5	CENTRAL MEXICO
	22	13	19	58.1?	44.47	N	148.95	E	33 N	4.4		0.6	10	KURIL ISLANDS
	22	14	02	04.4&	36.575	N	121.218	W	10				19	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	22	14	36	40.0*	7.211	S	146.113	E	176 *	4.1		1 4	13	EAST PAPUA NEW GUINEA REGION
	22	14	42	28.3*	5.215	S	146.912	E	230 *	4.5		1.3	15	EAST PAPUA NEW GUINEA REGION
	22	14	53	29.1*	31.683	S	72.112	W	10 G			0.8	13	OFF COAST OF CENTRAL CHILE
	22	15	02	01.5&	62.243	N	150.889	W	70				31	CENTRAL ALASKA. <AGS-P>.
	22	15	29	30.9*	35.083	N	22.865	E	32 *	4.1		0.8	15	MEDITERRANEAN SEA
	22	15	30	22.0?	41.73	N	15.80	E	10 G			1.6	4	SOUTHERN ITALY
	22	15	55	23.1*	29.781	N	130.987	E	33 N	4.3		1.2	12	RYUKYU ISLANDS
	22	15	59	38.6	36.033	N	137.563	E	10 G			0.6	7	HONSHU, JAPAN
	22	16	16	39.0&	38.828	N	122.790	W	3				17	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK). Mo=2.7*10**14 Nm (BRK). Felt.
	22	16	35	43.3	36.502	N	26.854	E	149	4.7		1.1	203	DODECANESE ISLANDS. MD 4.5 (HLW).
	22	16	47	08.6	41.241	N	14.827	E	10 G			1.1	21	SOUTHERN ITALY
	22	16	47	24.6	21.058	S	178.782	W	576 *	4.8		1.0	68	FIJI ISLANDS REGION
	22	17	45	06.6&	57.773	N	153.587	W	67	2.7			24	KODIAK ISLAND REGION. <AGS-P>.
	22	17	49	43.6	49.210	N	147.726	E	528 *	4.3		0.8	52	SEA OF OKHOTSK
	22	19	01	42.8*	15.066	N	147.546	E	46 *	4.6		0.6	20	MARIANA ISLANDS REGION
	22	19	23	57.7*	37.502	N	141.705	E	81 ?	3.1		0.9	7	NEAR EAST COAST OF HONSHU, JAPAN
	22	19	53	18.0?	41.70	N	15.52	E	10 G			0.7	4	SOUTHERN ITALY
	22	20	09	56.7?	41.25	N	14.92	E	10 G			0.5	5	SOUTHERN ITALY
	22	20	23	47.0?	41.12	N	14.70	E	10 G			0.8	4	SOUTHERN ITALY
o	22	20	25	24.8	37.977	S	73.300	W	26 D	5.4	5.6	1.0	132	NEAR COAST OF CENTRAL CHILE
	22	20	55	13.1?	41.26	N	14.98	E	10 G			0.7	5	SOUTHERN ITALY
	22	21	01	14.8?	41.17	N	14.85	E	10 G			0.3	4	SOUTHERN ITALY
	22	21	10	11.8?	17.16	N	61.32	W	10 G			0.7	4	LEEWARD ISLANDS. ML 2.7 (FDF).
	22	21	28	56.3?	6.17	S	130.75	E	115 ?	4.4		1.2	12	BANDA SEA
	22	23	40	14.8?	31.99	S	69.50	W	10 G			1.0	8	SAN JUAN PROVINCE, ARGENTINA
o	22	23	51	52.5	0.955	N	120.064	E	33 N	5.2	4.3	1.1	53	MINAHASSA PENINSULA
	23	00	21	40.8?	48.40	N	1.13	W	10 G			0.1	4	FRANCE. ML 2.3 (LDG).
	23	01	43	06 0&	48.271	N	121.766	W	3				44	WASHINGTON. <SEA>. CL 2.9 (SEA).
	23	02	09	13.6*	40.301	N	25.783	E	10 G			1.3	7	AEGEAN SEA
	23	02	19	43.4	40.338	N	25.944	E	10 G			1.3	11	AEGEAN SEA
	23	02	59	46.0	52.743	N	167.771	W	33 N	4.9	4.6	1.1	162	FOX ISLANDS, ALEUTIAN ISLANDS
	23	03	13	08.6?	45.96	N	14.58	E	10 G			0.2	4	YUGOSLAVIA. MD 2.2 (LJU)
	23	05	06	45.6%	15.175	N	60 674	W	33 N			0.2	8	LEEWARD ISLANDS. ML 2.7 (FDF).
	23	05	44	52.7%	35.253	N	51 059	E	10 G			0.5	5	IRAN
	23	05	50	38.6*	36.637	N	12.557	W	33 N			0.5	18	NORTH ATLANTIC OCEAN. MD 4.2 (RBA). mbLg 4.0 (MDD).
	23	06	12	24.1*	45.320	N	16.243	E	10 G			1.0	6	YUGOSLAVIA. ML 1.7 (LJU).
	23	06	44	59.8	42.092	N	20.223	E	10 G			0.8	10	YUGOSLAVIA. ML 2.7 (TTG).
	23	08	17	30.2	30.610	N	138.762	E	387 *	4.5		1.1	70	SOUTH OF HONSHU, JAPAN
	23	08	34	20.8*	51.326	N	15.932	E	10 G			0.7	7	POLAND. ML 3.1 (GRF).
	23	09	00	27.7?	41.77	N	27.47	E	10 G			0.4	7	TURKEY
	23	09	18	26.3?	48.38	N	8.70	E	10 G			0.4	4	GERMANY. MD 1.0 (STR).
	23	09	19	22.9	1.016	N	123.842	E	33 N	4.8	4.2	1.0	15	MINAHASSA PENINSULA
	23	09	30	16.4&	34.060	N	116.390	W	4				12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	23	09	32	32.4&	62.645	N	143.534	W	0	3.4			27	CENTRAL ALASKA. <AGS-P>.
	23	09	44	09.6	31.110	N	51.515	E	33 N	4 6		1.2	35	IRAN
	23	10	49	55.0*	24.336	N	122.434	E	13 *	3 4		0.9	8	TAIWAN REGION
	23	11	07	28.4&	62.207	N	150.221	W	15	2 6			44	CENTRAL ALASKA. <AGS-P>. ML 2.9 (PMR).
	23	12	04	49.6*	23.954	N	122.261	E	10 G			0.6	7	TAIWAN REGION
	23	13	29	21.8	15.205	N	147.610	E	23 ?	4.5		0.7	40	MARIANA ISLANDS REGION
	23	13	35	46.3?	39.11	N	27.64	E	10 G			0.1	4	TURKEY
	23	14	40	29.1	31.899	S	69.008	W	29 *			1.4	12	SAN JUAN PROVINCE, ARGENTINA
	23	15	41	08.2*	50.336	N	19.050	E	10 G			0.9	5	POLAND
	23	16	09	03.4%	39.678	N	29.126	E	10 G			0.8	5	TURKEY
	23	16	35	26.1*	24 057	S	66 791	W	191 *	4.5		1.5	19	SALTA PROVINCE, ARGENTINA
	23	17	59	22.4%	31.431	S	68 868	W	33 N			1.5	5	SAN JUAN PROVINCE, ARGENTINA
	23	18	09	51.0	46.465	N	10.781	E	5 G			1.0	29	NORTHERN ITALY. ML 3.1 (KBA), 3.0 (LDG).
	23	18	32	58.8%	60.554	N	5.060	E	10 G			0.4	11	SOUTHERN NORWAY. MD 1.8 (BER).
	23	19	04	53.8*	40.054	N	24.366	E	10 G			1.5	10	AEGEAN SEA
	23	19	27	35.3?	34.13	S	72.22	W	28 *			0.2	9	NEAR COAST OF CENTRAL CHILE
	23	20	02	26 8*	27.175	S	70.617	W	23 ?			0.9	14	NEAR COAST OF NORTHERN CHILE
	23	20	04	25.1	39.487	N	28.248	E	10 G			1.1	13	TURKEY
	23	20	16	36.7	39.568	N	28.294	E	10 G			1 3	12	TURKEY
	23	20	45	57.1	39.331	N	23.628	E	10 G			0.7	14	AEGEAN SEA. ML 3.0 (ATH), 2.8 (THE).
	23	21	04	53.6&	61.827	N	151.823	W	100				44	SOUTHERN ALASKA. <AGS-P>.
	23	21	47	15.2*	43.227	N	17.260	E	10 G			1 2	6	YUGOSLAVIA. ML 2.6 (TTG).
	23	22	19	35.6	47.979	N	7.691	E	10 G			0 1	7	SWITZERLAND. ML 2.4 (LDG).
	23	22	37	45.7%	43.065	N	0.816	W	10 G			0.4	7	PYRENEES. MD 1.0 (STR).
	23	23	08	45.1%	59.649	N	6.698	E	10 G			0.5	5	SOUTHERN NORWAY. MD 1.7 (BER).
	24	01	11	35.6&	36.918	N	121.698	W	6				12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	24	01	24	10.4&	58.497	N	142.645	W	10 G				13	GULF OF ALASKA. <AGS-P>.
	24	01	34	43.0&	60.216	N	151.099	W	58				32	KENAI PENINSULA, ALASKA. <AGS-P>.
	24	02	15	02.4?	31.23	S	68.70	W	96 ?			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	24	03	03	41.3*	2.922	S	120.023	E	24 *	4.3	3.6	1.1	7	SULAWESI
	24	03	31	19.9	45.228	N	7.674	E	10 G			0 4	6	NORTHERN ITALY. ML 2.0 (GEN).
	24	04	06	12.9?	30.21	S	68.42	W	10 G			1 1	5	SAN JUAN PROVINCE, ARGENTINA
	24	04	42	27.7	58.188	N	155.534	W	33 N	3 4		1.2	26	ALASKA PENINSULA. ML 3.0 (PMR).
	24	04	51	24.5	40.831	N	23.899	E	5 G			1 4	16	GREECE. ML 3.1 (THE).
	24	04	55	16.7*	15.181	N	147.567	E	36 *	4.7		0.7	23	MARIANA ISLANDS REGION
	24	05	39	29.1?	41.69	N	14.19	E	10 G			0 7	4	SOUTHERN ITALY
	24	08	51	07.8?	43.13	N	0.56	W	10 G			0.5	5	PYRENEES. MD 1.0 (STR).

	24	08	59	19.0*	48.013	N	7.092	E	10	G		0.1	5	FRANCE. MD 1.6 (STR).
	24	09	17	31.8?	18.33	N	65.06	W	10	G		1.5	7	PUERTO RICO REGION
	24	09	36	34.3%	60.193	N	4.607	E	10	G		0.3	10	SOUTHERN NORWAY. MD 2.2 (BER).
	24	09	41	24.3*	39.556	N	88.230	W	10	G		0.9	9	ILLINOIS. mbLg 3.0 (NEIS). Felt (III) at Martinsville.
	24	09	49	03.2%	60.195	N	4.643	E	10	G		0.4	10	SOUTHERN NORWAY. MD 2.4 (BER).
	24	10	00	39.8	1.404	N	123.486	E	32	*	5.1 4.2	1.2	76	MINAHASSA PENINSULA
	24	11	00	25.8*	18.447	S	168.357	E	56	*	4.8	1.4	56	VANUATU ISLANDS
	24	11	27	19.5&	33.880	N	116.160	W	5				24	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt (IV) at Mecca and (III) at Indio. Also felt at Palm Springs.
	24	13	06	30.3*	1.428	N	123.525	E	33	N	4.5	1.1	14	MINAHASSA PENINSULA
	24	13	42	15.2	44.264	N	7.486	E	10	G		0.1	7	NORTHERN ITALY. MD 1.5 (STR).
	24	13	53	56.5*	41.974	N	24.776	E	10	G		0.4	5	GREECE-BULGARIA BORDER REGION
	24	13	54	20.0%	39.067	N	27.685	E	10	G		0.9	6	TURKEY
	24	14	22	32.0*	53.280	N	167.058	W	33	N	4.4	1.1	19	FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
	24	16	19	59.8	42.120	N	19.191	E	10	G		1.1	36	YUGOSLAVIA. MD 3.2 (TTG).
	24	16	20	40.8	42.138	N	19.196	E	23			1.2	102	YUGOSLAVIA. MD 4.1 (TTG), 4.6 (TRI). Felt (V) at Bar and Ulcinj; (IV) at Titograd.
	24	16	24	44.9&	58.257	N	138.581	W	0				4	SOUTHEASTERN ALASKA. <AGS-P>.
	24	16	31	46.8?	42.13	N	132.25	E	555	?	4.1	1.1	19	NEAR E. COAST OF EASTERN USSR
	24	16	52	25.1?	47.64	N	8.27	E	10	G		0.3	6	SWITZERLAND. MD 1.0 (STR).
	24	16	58	21.1*	42.352	N	14.726	E	10	G		1.5	6	CENTRAL ITALY
	24	17	25	23.7?	16.68	N	60.71	W	10	G		1.0	8	LEEWARD ISLANDS. ML 2.8 (FDF).
	24	18	09	25.2&	37.530	N	121.387	W	9				5	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	24	18	50	02.6*	31.363	S	68.892	W	115	?		0.8	14	SAN JUAN PROVINCE, ARGENTINA
	24	19	13	25.7*	6.368	S	130.547	E	137	*	4.4	1.1	18	BANDA SEA
	24	19	30	40.0	42.129	N	19.131	E	21		5.1	1.2	214	YUGOSLAVIA. MD 4.6 (TTG), 4.9 (TRI). ML 4.7 (ROM). Felt (VI) at Bar and Ulcinj; (V) at Titograd and Budva. Felt (V) at Shkodra; (IV) at Lezha and Puka, Albania.
	24	19	42	20.1?	0.38	N	78.39	W	10	G		0.8	5	COLOMBIA-ECUADOR BORDER REGION
	24	19	52	55.1%	42.134	N	19.272	E	10	G		0.4	7	YUGOSLAVIA. ML 2.4 (TTG).
	24	19	56	10.8	40.835	N	23.873	E	10	G		0.5	11	GREECE. ML 2.6 (THE), 2.2 (SKO).
	24	20	06	15.9?	42.13	N	19.23	E	10	G		0.8	4	YUGOSLAVIA. ML 2.2 (TTG).
	24	20	24	27.9*	1.339	N	123.531	E	33	N	4.3	1.0	13	MINAHASSA PENINSULA
	24	20	35	00.8*	36.540	N	71.473	E	46	?	4.8	1.1	24	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Khorog, USSR.
	24	20	56	54.0*	42.131	N	19.252	E	10	G		0.4	5	YUGOSLAVIA. ML 2.2 (TTG).
	24	21	02	42.6%	41.190	N	14.769	E	10	G		0.3	6	SOUTHERN ITALY
	24	21	05	17 4	1.370	N	123.547	E	42	*	4.8 4.0	1.0	27	MINAHASSA PENINSULA
	24	21	05	43.0?	41.25	N	15.02	E	10	G		0.3	4	SOUTHERN ITALY
	24	21	25	09.1?	42.12	N	19.29	E	10	G		0 0	4	YUGOSLAVIA. ML 2.1 (TTG).
	24	21	39	10 8%	41.182	N	14.821	E	10	G		0.7	6	SOUTHERN ITALY
	24	21	45	42.0?	31.55	S	68.81	W	93	?		0.4	7	SAN JUAN PROVINCE, ARGENTINA
	24	21	46	57.6%	41.170	N	14.786	E	10	G		0.7	8	SOUTHERN ITALY
	24	22	24	25.0*	35.920	N	27.114	E	10	G		1.3	8	DODECANESE ISLANDS
	24	22	47	35.9*	22.384	S	69.020	W	89	*	4.3	0.2	6	NORTHERN CHILE
	24	23	15	04.8?	43.38	N	6.19	E	10	G		0.4	7	NEAR SOUTH COAST OF FRANCE
	24	23	16	38.1%	40.658	N	27.237	E	10	G		0.5	6	TURKEY
	24	23	24	06.7%	41.223	N	14.928	E	10	G		0.5	5	SOUTHERN ITALY
	24	23	49	49.4	26.359	N	128.818	E	12	D	5.1 4.8	0.9	76	RYUKYU ISLANDS
	24	23	54	40.0*	42.132	N	19.231	E	10	G		0.6	5	YUGOSLAVIA. ML 2.2 (TTG).
	25	01	08	32.5?	31.78	S	69.35	W	105	?		0.4	7	SAN JUAN PROVINCE, ARGENTINA
	25	01	48	22.5	41.161	N	14.809	E	10	G		1.1	17	SOUTHERN ITALY
	25	02	01	44.5%	41.198	N	14.857	E	10	G		0.4	5	SOUTHERN ITALY
	25	02	07	39.1*	17.263	N	145.183	E	137	*	4.7	1.1	15	MARIANA ISLANDS
a	25	02	13	32.0	15.358	S	179.055	W	441		5.4	1.0	246	FIJI ISLANDS REGION
	25	02	22	17.1%	41.161	N	14.799	E	10	G		0.5	7	SOUTHERN ITALY
	25	02	24	21.9	24.285	N	123.488	E	40		5.2	0.9	132	SOUTHWESTERN RYUKYU ISLANDS. Felt (III JMA) on Ishigaki-shimo.
	25	02	24	58.7%	41.216	N	15.000	E	10	G		1.5	7	SOUTHERN ITALY
	25	03	00	09.1%	41.167	N	14.846	E	10	G		0.1	6	SOUTHERN ITALY
	25	03	06	48.5%	47.021	N	0.477	W	10	G		1.3	5	FRANCE. ML 2.5 (LDG).
	25	03	57	33.8&	62.037	N	150.890	W	69				43	CENTRAL ALASKA. <AGS-P>.
	25	04	20	04.0*	51.026	N	15.809	E	10	G		0.9	8	POLAND ML 2.8 (KRA), 3.0 (KBA), 3.3 (VKA), 3.5 (GRF).
	25	04	39	27.1%	40.441	N	28.867	E	10	G		0.6	8	TURKEY
	25	04	56	49.1	33.040	S	70.258	W	108	?		0.5	16	CHILE-ARGENTINA BORDER REGION
	25	04	58	30.1	17.912	S	178.605	W	605		4.8	0.8	81	FIJI ISLANDS REGION
	25	05	16	14.9	44.960	N	142.596	E	249		4.6	0.8	100	HOKKAIDO, JAPAN REGION
	25	05	30	24.2%	18.371	N	65.953	W	10	G		1.5	5	PUERTO RICO REGION
	25	05	54	45.5?	37.73	N	15.00	E	10	G		0.1	4	SICILY
	25	06	15	58.0?	40.81	N	23.82	E	10	G		0.9	4	GREECE. ML 2.1 (THE).
	25	06	25	29.4	16.977	N	61.787	W	78	?		0.4	11	LEEWARD ISLANDS. MD 3.2 (TRN).
	25	06	26	03 1?	37.73	N	14.96	E	10	G		0.5	4	SICILY
	25	06	27	18.2%	37.715	N	14.979	E	10	G		0.5	5	SICILY
a	25	07	10	53.9	48.261	N	154.364	E	38	D	5.5 5.0	0.8	264	KURIL ISLANDS
	25	07	31	26.7?	37.73	N	14.96	E	10	G		0.1	4	SICILY
	25	07	47	59.0?	14.77	N	92.44	W	116	*	3.5	0.4	6	NEAR COAST OF CHIAPAS, MEXICO. Felt at Tapachula and Tuxtla Chico.
	25	08	02	39.4&	36.957	N	121.672	W	3				6	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	25	08	37	18.0?	45.94	N	14.29	E	10	G		0.3	4	YUGOSLAVIA. MD 2.4 (LJU).
	25	08	43	48.4?	48.81	N	9.23	E	10	G		0.4	4	GERMANY. MD 1.0 (STR).
	25	09	27	56.6?	30.08	S	69.19	W	10	G		0.6	6	CHILE-ARGENTINA BORDER REGION
	25	10	46	10.9?	26.07	N	128.91	E	33	N	3.8	0.9	7	RYUKYU ISLANDS
	25	11	31	58.2	40.814	N	23.961	E	5	G		1.2	36	GREECE. ML 3.8 (THE), 3.4 (SKO).
	25	11	33	53.7*	32.331	N	141.632	E	33	N	4.6	0.6	9	SOUTH OF HONSHU, JAPAN
	25	11	45	52.4?	41.23	N	14.20	E	10	G		0.8	5	SOUTHERN ITALY
	25	12	49	57.1	12.194	N	61.463	W	141		4.1	0.6	18	WINDWARD ISLANDS. MD 3.8 (TRN).
	25	12	54	02.7%	40.837	N	23.916	E	10	G		0.7	7	GREECE
	25	13	17	08.5?	31.26	S	67.76	W	10	G		1.2	12	SAN JUAN PROVINCE, ARGENTINA
	25	13	28	42.7%	44.636	N	8.370	E	10	G		0.2	6	NORTHERN ITALY. ML 1.9 (GEN).
	25	13	29	33.8%	44.611	N	8.346	E	10	G		0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
	25	15	32	21.7	7.077	S	150.112	E	23	?	5.4	0.9	67	NEW BRITAIN REGION
	25	16	23	47.4?	39.78	N	24.08	E	10	G		0.6	4	AEGEAN SEA
	25	17	05	27.7&	48.820	N	122.177	W	1				34	WASHINGTON. <SEA>. CL 3.1 (SEA). Felt at Deming.

	25	17	33	17.8?	34.13	S	179.34	W	357	?	4.3		1.0	27	SOUTH OF KERMADEC ISLANDS
	25	17	50	16.6&	58.527	N	143.553	W	10	G				23	GULF OF ALASKA. <AGS-P>.
	25	18	30	54.6	9.411	S	107.634	E	31	D	4.8	4.4	1.2	40	SOUTH OF JAVA
	25	18	38	48.8*	9.700	N	124.663	E	55	*	4.6		1.0	18	MINDANAO, PHILIPPINE ISLANDS
	25	18	48	53.4*	38.660	N	28.300	E	10	G			1.4	9	TURKEY
	25	19	25	38.6	12.364	S	166.720	E	266	?	5.0		1.0	48	SANTA CRUZ ISLANDS
	25	19	29	24.2	42.138	N	19.198	E	10	G			1.0	14	YUGOSLAVIA. MD 2.5 (TTG).
	25	19	30	12.8&	59.968	N	153.531	W	143					10	SOUTHERN ALASKA. <AGS-P>.
	25	19	54	29.7	1.398	N	123.378	E	33	N	4.6	3.9	1.4	27	MINAHASSA PENINSULA
	25	21	10	28.2%	41.712	N	14.207	E	10	G			0.5	6	SOUTHERN ITALY
	25	22	00	42.5%	32.050	N	36.213	E	10	G			0.1	6	DEAD SEA REGION
	25	22	17	35.1	37.117	N	26.665	E	10	G			1.2	9	DODECANESE ISLANDS. ML 3.7 (ATH).
	25	22	41	32.6*	36.134	N	27.263	E	33	N			0.3	5	DODECANESE ISLANDS
	25	23	00	50.2%	40.677	N	27.232	E	10	G			0.7	7	TURKEY
	25	23	06	52.5?	0.81	N	122.86	E	86	?	4.1		0.1	5	MINAHASSA PENINSULA
	25	23	22	49.8&	60.019	N	147.930	W	0					27	SOUTHERN ALASKA. <AGS-P>.
	25	23	27	22.5%	13.684	N	89.950	W	10	G			0.6	8	EL SALVADOR
	25	23	37	43.4	37.723	N	30.101	E	10	G			0.5	6	TURKEY
	25	23	48	16.0*	35.971	N	27.143	E	99	?			1.1	7	DODECANESE ISLANDS
	26	00	48	06.6?	29.94	S	68.52	W	33	N			0.4	5	SAN JUAN PROVINCE, ARGENTINA
	26	00	49	40.6*	18.199	N	100.985	W	33	N	3.4		1.4	7	GUERRERO, MEXICO
	26	01	09	03.8	46.274	N	7.325	E	10	G			0.8	9	SWITZERLAND. ML 2.2 (LDG).
	26	01	14	48.8	24.018	N	94.626	E	102	D	4.6		0.8	71	BURMA-INDIA BORDER REGION
	26	01	32	17.7*	19.786	N	65.217	W	33	N	3.3		1.2	9	PUERTO RICO REGION
	26	02	50	02.7	10.350	N	62.776	W	73		4.6		0.9	91	NEAR COAST OF VENEZUELA. MD 4.9 (TRN). Felt in Sucre State.
	26	03	13	34.7%	43.543	N	12.467	E	10	G			0.4	5	CENTRAL ITALY
	26	03	29	44.1?	17.37	S	178.89	W	584	?	4.9		0.9	23	FIJI ISLANDS REGION
	26	04	28	33.5	38.945	N	21.857	E	85	*			0.7	21	GREECE. MD 3.2 (ATH).
	26	04	34	34.2*	38.074	N	27.991	E	30	*			1.5	12	TURKEY
	26	04	40	15.3	44.473	N	9.730	E	10	G			0.6	30	NORTHERN ITALY. ML 2.7 (GEN).
	26	04	53	23.0?	11.17	N	61.68	W	10	G			0.6	5	WINDWARD ISLANDS. MD 3.1 (TRN).
	26	05	58	36.7?	14.83	S	71.94	W	33	N			0.2	4	PERU
	26	07	41	30.9*	1.522	N	123.238	E	33	N	4.4		1.4	11	MINAHASSA PENINSULA
	26	08	23	16.4%	44.502	N	6.889	E	10	G			0.3	5	FRANCE. ML 2.1 (GEN).
	26	08	28	15.2*	45.631	N	26.397	E	144	?			1.5	7	ROMANIA
	26	09	11	25.9&	61.045	N	152.172	W	105					25	SOUTHERN ALASKA. <AGS-P>.
	26	09	29	19.7&	37.862	N	122.000	W	6					18	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Felt (IV) at Alamo. Also felt ot Concord, Danville and Walnut Creek.
o	26	09	37	10.9	36.040	N	100.274	E	10	G	5.7		1.0	500	QINGHAI PROVINCE, CHINA. Foreshock.
f	26	09	37	15.0	35.986	N	100.245	E	8	G	6.5	6.9	1.2	127	QINGHAI PROVINCE, CHINA. Ms 6.7 (BRK), 6.4 (PAS). Mo=8.0*10**18 Nm (PPT). At least 126 people killed, mony injured, extensive domage and landslides in the Gonghe-Xinghai orea. Also felt in Gansu Province. Depth from broodbond displacement seismograms.
o	26	09	37	45.3*	36.239	N	100.254	E	10	G	6.3		1.1	39	QINGHAI PROVINCE, CHINA. Two events about 1.8 secands aport. Depth from broadband displacement seismograms, bosed on second event.
	26	10	15	37.0*	36.072	N	99.887	E	10	G	4.6		1.0	11	QINGHAI PROVINCE, CHINA
	26	11	27	42.7	41.011	N	19.776	E	39		4.8		1.2	162	ALBANIA. MD 4.6 (TTG), 4.9 (ATH). Felt (VI) at Cerrik; (V) at Berat; (IV) at Tepelene, Fier, Lushnje and Elbasan; (III) ot Tirana.
	26	12	33	16.3?	22.25	N	121.71	E	33	N			1.2	6	TAIWAN REGION
	26	12	56	59.2	63.290	N	136.285	W	10	G	4.4		0.6	28	SOUTHERN YUKON TERRITORY, CANADA
	26	15	03	54.3	40.819	N	23.873	E	10	G			0.7	6	GREECE. ML 2.4 (THE).
	26	15	35	54.4	39.226	N	20.600	E	5	G			1.0	19	GREECE-ALBANIA BORDER REGION
	26	15	39	22.9	6.277	S	154.755	E	74		5.6		1.1	171	SOLOMON ISLANDS
a	26	15	40	34.4	1.059	N	122.825	E	24	G	5.8	5.8	1.0	132	MINAHASSA PENINSULA. Depth from broadband displacement seismograms.
	26	16	05	27.5*	24.781	N	122.241	E	70	*	4.0		0.5	11	TAIWAN REGION
	26	17	21	16.1*	36.050	N	100.062	E	10	G	4.1		1.6	8	QINGHAI PROVINCE, CHINA
	26	18	11	00.9?	14.60	N	60.94	W	10	G			0.2	4	WINDWARD ISLANDS. ML 1.8 (FDF).
	26	18	11	57.3*	15.776	N	147.967	E	41	?	4.5		0.4	14	MARIANA ISLANDS REGION
	26	18	54	16.2	13.451	N	91.268	W	52	*	4.9	4.3	1.1	59	NEAR COAST OF GUATEMALA. Felt (II) at San Salvador, El Salvador.
	26	19	18	04.7&	58.069	N	151.476	W	10		3.3			42	KODIAK ISLAND REGION. <AGS-P>. ML 4.1 (PMR).
	26	19	43	20.6%	51.641	N	1.771	E	10	G			0.6	13	UNITED KINGDOM. ML 2.4 (LDG).
	26	20	00	52.0*	35.493	N	31.122	E	33	N			1.3	8	CYPRUS
	26	20	36	33.5	45.747	N	151.289	E	33	N	5.1		0.8	108	KURIL ISLANDS
	26	20	44	42.4*	32.254	S	71.265	W	20	*			0.3	10	NEAR COAST OF CENTRAL CHILE
	26	22	12	38.1*	51.494	N	6.505	E	10	G			0.5	5	GERMANY
	26	23	10	21.8?	36.65	N	27.88	E	10	G			0.2	4	DODECANESE ISLANDS
	26	23	26	13.7*	22.121	S	67.643	W	194	*	3.9		1.3	8	CHILE-BOLIVIA BORDER REGION
	26	23	28	40.0	1.313	N	122.987	E	33	N	4.8	3.7	1.3	32	MINAHASSA PENINSULA
	27	00	20	41.8&	61.773	N	150.896	W	66					22	SOUTHERN ALASKA. <AGS-P>.
	27	00	52	47.1%	40.734	N	15.735	E	10	G			0.8	5	SOUTHERN ITALY
	27	01	49	30.5	46.221	N	7.888	E	10	G			1.1	15	SWITZERLAND. ML 2.4 (LDG).
	27	01	52	39.0	39.662	N	20.453	E	5	G			1.0	17	GREECE-ALBANIA BORDER REGION
	27	02	45	30.0&	62.681	N	149.043	W	67		3.0			59	CENTRAL ALASKA. <AGS-P>.
o	27	02	50	02.8	13.708	S	166.762	E	56	*	5.5		1.0	89	VANUATU ISLANDS
	27	03	01	36.0	34.110	N	69.665	E	33	N	4.7		1.0	21	AFGHANISTAN
	27	04	08	53.2%	0.794	S	78.793	W	10	G			0.6	6	ECUADOR
	27	04	22	43.9	46.741	N	12.226	E	10	G			1.1	17	NORTHERN ITALY. MD 2.6 (TRI). ML 2.6 (KBA).
	27	04	45	38.9*	5.595	N	82.469	W	33	N	4.5	3.8	1.3	28	SOUTH OF PANAMA
	27	05	03	52.1%	39.294	N	23.096	E	10	G			0.6	5	AEGEAN SEA
	27	05	09	02.8	1.245	N	122.881	E	46	*	5.0	3.7	1.0	26	MINAHASSA PENINSULA
a	27	05	29	25.9	28.696	N	66.177	E	17	D	5.3	5.3	1.3	144	PAKISTAN
	27	07	31	01.6?	45.10	N	14.86	E	10	G			1.4	8	YUGOSLAVIA. MD 2.7 (TRI). ML 2.1 (LJU).
	27	07	35	21.3%	46.217	N	7.929	E	10	G			0.7	7	SWITZERLAND
	27	09	03	49.8	39.312	N	23.315	E	10	G			1.1	29	AEGEAN SEA. ML 3.5 (THE), 3.3 (ATH).
o	27	09	42	31.0	1.462	N	123.566	E	37	D	5.3	4.8	1.2	83	MINAHASSA PENINSULA
	27	09	57	39.4?	18.20	N	64.69	W	10	G			0.9	6	VIRGIN ISLANDS
	27	10	13	01.7*	31.530	S	69.329	W	13	*			0.6	7	SAN JUAN PROVINCE, ARGENTINA

	27	10 40 51.2?	58.99	N	5.71	E	10 G			0.8	5	SOUTHERN NORWAY. MD 1.6 (BER).
	27	12 06 53.0	46.836	N	7.552	E	10 G			0.9	11	SWITZERLAND. ML 2.6 (LDG). MD 2.3 (STR).
	27	13 11 38.0?	37.70	N	1.62	W	10 G			0.1	4	SPAIN. mbLg 3.0 (MDD).
	27	13 18 26.3?	39.28	N	23.07	E	10 G			0.4	4	AEGEAN SEA
	27	14 19 13.1*	37.030	N	7.038	W	33 N			0.8	12	PORTUGAL. mbLg 3.3 (MDD).
	27	15 40 06.1	34.165	N	117.331	W	10 G			0.4	12	SOUTHERN CALIFORNIA. ML 3.0 (NEIS).
	27	16 02 04.4*	8.872	S	108.786	W	33 N	5.1	4.8	1.2	44	NORTHERN EASTER I. CORDILLERA
	27	16 31 10.2*	13.046	N	89.234	W	80	4.6		0.7	21	EL SALVADOR. Felt (II) at San Salvador.
	27	16 45 53.8?	33.16	S	70.24	W	10 G			0.3	5	CHILE-ARGENTINA BORDER REGION
	27	17 15 15.6&	36.697	N	121.187	W	7				8	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	27	17 34 25.7	1.309	N	123.672	E	33 N	4.4		0.6	13	MINAHASSA PENINSULA
	27	17 53 23.3	18.041	S	35.289	E	10 G	4.8		0.8	24	MOZAMBIQUE
	27	18 52 06.5?	51.08	N	177.52	E	33 N	4.0		0.4	4	RAT ISLANDS, ALEUTIAN ISLANDS
	27	19 03 03.8*	20.145	S	68.979	W	132	4.7		0.9	13	CHILE-BOLIVIA BORDER REGION
	27	19 41 15.6%	36.220	N	30.786	E	10 G			0.3	5	TURKEY
	27	20 34 48.0&	61.734	N	149.592	W	37				33	SOUTHERN ALASKA. <AGS-P>.
	27	20 42 20.1?	9.77	N	125.98	E	198 *	4.3		0.6	8	MINDANAO, PHILIPPINE ISLANDS
	27	20 54 51.9?	46.53	N	150.73	E	153 ?	4.3		0.9	22	KURIL ISLANDS
	27	21 59 55.8?	31.23	S	68.64	W	81 ?			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	27	22 11 48.5?	7.36	S	128.18	E	153 ?	4.4		1.0	6	BANDA SEA
	27	23 15 32.9?	5.73	S	151.93	E	98 ?	4.2		0.7	6	NEW BRITAIN REGION
	27	23 22 27.3	45.391	N	6.633	E	10 G			1.3	18	FRANCE. ML 2.7 (GEN), 2.6 (LDG).
	28	00 47 19.2	3.967	S	151.562	E	10 G	4.6		1.2	21	NEW IRELAND REGION
f	28	01 23 11.5	8.887	N	83.500	W	23 G	5.9	6.3	1.0	398	COSTA RICA. Ms 6.1 (BRK), 5.8 (PAS). Mo=5.0*10**18 Nm (PPT). Felt (V) at Puerto Cortes; (IV) at Puerto Jimenez and Perez Zeledon; (III) at San Jose; (II) at Atenas and Orotina. Felt in most of Costa Rica. Slight damage (V) at Puerto Armuelles, Panama. Felt (IV) at David and Bajo, Panama. Depth from broadband displacement seismograms.
	28	02 23 16.8*	1.012	N	123.243	E	33 N	4.8		1.2	15	MINAHASSA PENINSULA
	28	03 21 32.6*	38.164	N	27.991	E	10 G			1.3	5	TURKEY
	28	03 25 50.2?	30.31	S	67.87	W	10 G			0.9	5	SAN JUAN PROVINCE, ARGENTINA
	28	03 56 %6.7	36.225	N	99.999	E	10 G	4.8		0.9	56	QINGHAI PROVINCE, CHINA
	28	04 41 08.0&	37.873	N	121.978	W	5				9	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=8.4*10**13 Nm (BRK).
	28	04 41 48.0&	37.885	N	121.983	W	6	4.3			32	CENTRAL CALIFORNIA. <BRK>. ML 4.6 (BRK). At least 40 houses damaged at Alamo. Felt (V) at Concord, Danville, Dublin and Livermore; (IV) at Alameda, Berkeley, Half Moon Bay, Hayward, Hercules, Lafayette, Mount Hermon, Pleasanton, Port Costa, Richmand, San Carlos, San Lorenzo, San Mateo and Watsonville. Also felt strongly at Walnut Creek.
	28	04 47 41.8&	37.863	N	122.003	W	5	4.2			32	CENTRAL CALIFORNIA. <BRK>. ML 3.9 (BRK). Mo=8.8*10**15 Nm (BRK). Felt throughout the northeastern San Francisco Bay area.
	28	05 43 31.3&	60.981	N	148.010	W	9				32	KENAI PENINSULA, ALASKA. <AGS-P>.
	28	05 45 04.2&	37.870	N	122.018	W	7				20	CENTRAL CALIFORNIA <BRK>. ML 3.4 (BRK). Mo=9.2*10**14 Nm (BRK). Felt at Alamo, Danville and Walnut Creek.
	28	06 33 44.5*	36.922	N	71.300	E	46 ?	4.7		1.4	22	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog, USSR.
	28	07 34 40.2*	10.369	S	116.422	E	33 N			1.3	5	SOUTH OF SUMBAWA ISLAND
	28	08 35 54.8?	0.69	S	77.65	W	10 G			0.5	5	ECUADOR
	28	08 52 47.0	39.844	N	29.832	W	10 G	4.5		1.0	28	AZORES ISLANDS
	28	09 11 44.7	39.818	N	29.837	W	10 G	4.5		1.1	31	AZORES ISLANDS
	28	09 44 48.0*	5.547	S	79.405	W	33 N	4.8		1.5	17	NORTHERN PERU
	28	11 41 20.0&	59.037	N	152.325	W	68				37	SOUTHERN ALASKA. <AGS-P>.
o	28	11 42 23.8	26.113	S	178.021	W	17 D	5.6	5.4	1.5	103	SOUTH OF FIJI ISLANDS. Ms 5.2 (BRK).
	28	11 51 03.3*	35.136	N	47.715	E	33 N			1.4	6	WESTERN IRAN
	28	13 10 44.3*	2.960	S	129.867	E	33 N	4.5		1.4	11	CERAM
	28	13 12 24.1?	45.63	N	6.48	E	10 G			0.4	6	FRANCE. ML 2.4 (GEN).
	28	15 10 41.4%	40.597	N	15.599	E	10 G			1.2	11	SOUTHERN ITALY
	28	15 18 39.2?	12.28	N	60.20	W	10 G			0.9	4	WINDWARD ISLANDS
	28	16 50 48.7%	44.347	N	6.976	E	10			0.3	8	FRANCE. ML 2.5 (GEN).
	28	17 41 29.7	31.548	S	68.087	W	9			1.1	22	SAN JUAN PROVINCE, ARGENTINA
	28	18 17 13.5&	37.867	N	122.010	W	7				10	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=8.6*10**13 Nm (BRK).
	28	19 03 11.7*	40.614	N	33.060	E	10 G			0.9	6	TURKEY
	28	19 29 04.8	18.457	N	72.901	W	10 G	4.7	4.8	0.9	25	HAITI REGION
	28	20 10 50.9?	17.42	N	61.06	W	10 G			0.8	5	LEEWARD ISLANDS. ML 3.2 (FDF).
	28	20 20 52.5*	10.098	N	122.237	E	33 N	4.7	3.8	1.1	13	PANAY, PHILIPPINE ISLANDS
	28	20 44 48.5	33.128	N	96.644	E	10 G	4.6		1.3	24	QINGHAI PROVINCE, CHINA
	28	20 52 36.9?	51.32	N	179.95	W	33 N	4.5		1.3	13	ANDREANOF ISLANDS, ALEUTIAN IS.
	28	20 58 32.0%	46.644	N	0.499	E	10 G			1.0	7	FRANCE. ML 2.2 (LDG).
	28	21 08 30.6?	39.02	N	24.04	E	10 G			0.7	6	AEGEAN SEA
	28	21 22 45.7	18.424	N	72.856	W	10 G	4.7	4.0	1.1	30	HAITI REGION
	28	21 56 04.2%	44.262	N	8.373	E	10 G			0.4	5	NORTHERN ITALY. ML 2.3 (GEN).
	28	22 04 52.1?	35.28	N	49.77	E	10 G			0.2	4	WESTERN IRAN
	28	22 09 59.9	36.314	N	100.045	E	10 G	4.5		0.7	18	QINGHAI PROVINCE, CHINA
	28	22 12 00.1&	59.770	N	150.904	W	47				31	KENAI PENINSULA, ALASKA. <AGS-P>.
	28	22 24 56.9	46 343	N	7.473	E	7			1.0	37	SWITZERLAND. ML 2.9 (LDG). MD 2.5 (STR).
	29	00 21 49.1?	31.59	S	68.17	W	10 G			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	29	00 57 09.5?	46.91	N	1.57	E	10 G			0.3	5	FRANCE. ML 1.9 (LDG).
	29	01 23 09.7?	30.02	S	67.08	W	10 G			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	29	04 06 39.4*	15.227	N	93.065	W	102 *	3.9		1.1	16	NEAR COAST OF CHIAPAS, MEXICO
	29	04 27 07.3?	18.90	N	65.96	W	10 G			0.6	5	PUERTO RICO REGION
	29	04 37 38.7*	32.520	S	70.330	W	31 *			1.5	12	CHILE-ARGENTINA BORDER REGION
	29	05 14 34.7	18.121	N	145.353	E	319 D	4.6		1 0	58	MARIANA ISLANDS
a	29	05 43 40.6	4.100	S	151.857	E	27 *	5.5	4.8	1.2	59	NEW BRITAIN REGION. Felt (IV) at Rabaul.
	29	06 21 01.3*	1.571	N	123.696	E	33 N	4.3		1.4	7	MINAHASSA PENINSULA
	29	06 40 20.9*	9.421	S	148.808	E	42 *	4.9		1.0	14	EAST PAPUA NEW GUINEA REGION
	29	07 16 38.2%	38.374	N	14.981	E	10 G			0.4	6	SICILY
	29	08 00 05.2	51.083	N	147.871	W	33 N	4.9	4.5	0.7	102	SOUTH OF ALASKA. Ms 4.4 (BRK).

	29	08	20	16.7	47.899	N	153.993	E	33	N	5.0	4.1	0.7	103	KURIL ISLANDS
	29	08	31	58.0	15.193	N	147.524	E	21		4.7		0.8	30	MARIANA ISLANDS REGION
	29	09	53	33.1%	39.125	N	27.598	E	10	G			0.8	5	TURKEY
	29	09	56	45.2*	1.746	N	123.864	E	33	N	4.2		1.4	9	MINAHASSA PENINSULA
	29	10	24	28.8?	20.16	S	69.52	W	137	?	3.2		1.4	5	NORTHERN CHILE
	29	10	39	37.5&	63.084	N	150.675	W	121		4.2			60	CENTRAL ALASKA. <AGS-P>.
	29	13	17	29.9&	63.095	N	150.772	W	118					20	CENTRAL ALASKA. <AGS-P>.
	29	13	27	33.9&	63.039	N	150.670	W	116					12	CENTRAL ALASKA. <AGS-P>.
	29	15	37	29.9	40.211	N	25.249	E	10	G			0.6	11	AEGEAN SEA
	29	16	49	50.1%	44.377	N	7.060	E	10	G			0.2	6	NORTHERN ITALY. ML 2.5 (LDG).
	29	16	50	49.9	44.385	N	7.100	E	10	G			0.3	13	NORTHERN ITALY. ML 2.5 (LDG).
	29	17	45	13.0*	35.922	N	27.012	E	10	G			1.2	7	DODECANESE ISLANDS
	29	17	46	21.7	31.820	S	69.189	W	10	G			1.2	9	SAN JUAN PROVINCE, ARGENTINA
	29	18	12	04.2	19.885	N	73.783	W	10	G	4.7		1.2	47	HAITI REGION
	29	18	38	02.6%	39.245	N	23.126	E	10	G			0.7	5	AEGEAN SEA
	29	18	49	07.5%	41.104	N	14.725	E	10	G			0.2	5	SOUTHERN ITALY
	29	18	58	35.8*	36.116	N	27.133	E	10	G			1.5	11	DODECANESE ISLANDS
	29	19	05	11.1&	61.915	N	151.535	W	79					41	SOUTHERN ALASKA. <AGS-P>.
	29	19	25	19.6&	61.426	N	151.025	W	60					43	SOUTHERN ALASKA. <AGS-P>.
	29	19	32	30.2*	16.524	N	145.964	E	33	N	4.6		1.1	15	MARIANA ISLANDS
	29	19	37	18.2*	36.373	N	27.041	E	10	G			0.5	5	DODECANESE ISLANDS
	29	20	00	28.2%	41.116	N	14.752	E	10	G			0.3	5	SOUTHERN ITALY
	29	20	12	43.2%	33.622	S	71.395	W	10	G			0.9	7	NEAR COAST OF CENTRAL CHILE
	29	21	50	05.8?	34.02	S	71.92	W	33	N			0.9	9	NEAR COAST OF CENTRAL CHILE
	29	22	21	22.2*	36.496	N	27.180	E	10	G			1.5	5	DODECANESE ISLANDS
	29	23	33	17.6*	40.434	N	142.278	E	33	N	4.7	4.2	0.8	29	NEAR EAST COAST OF HONSHU, JAPAN
	29	23	34	30.1*	43.102	N	0.548	W	10	G			1.0	5	PYRENEES. MD 1.0 (STR). Felt (III) at Agos Vidalos, France.
	30	00	23	24.5?	40.45	N	142.35	E	33	N	4.2		0.9	7	NEAR EAST COAST OF HONSHU, JAPAN
	30	01	15	43.2?	16.18	N	61.44	W	23	?			0.3	5	LEEWARD ISLANDS. ML 1.9 (FDF).
	30	01	38	59.1	17.260	S	72.781	W	31	*	5.1	4.7	1.4	80	NEAR COAST OF PERU
	30	01	55	57.5*	26.437	N	93.318	E	33	N	5.3		1.2	8	EASTERN INDIA
	30	02	30	56.7	39.931	N	142.932	E	45	D	5.0	4.5	0.8	111	NEAR EAST COAST OF HONSHU, JAPAN
	30	02	40	04.0?	6.49	S	130.18	E	154	?	4.6		0.8	11	BANDA SEA
	30	02	49	16.1*	3.233	S	129.331	E	97	*	4.7		1.0	13	CERAM
	30	02	50	49.4	40.557	N	23.568	E	10	G			0.6	7	GREECE
	30	03	44	23.3&	62.023	N	124.260	W	10	G				10	NORTHWEST TERRITORIES, CANADA. <PGC-P>. ML 3.9 (PGC).
	30	03	54	25.0?	41.22	N	14.87	E	10	G			0.3	4	SOUTHERN ITALY
	30	03	57	47.4?	17.85	N	101.10	W	99	?	3.3		1.2	8	NEAR COAST OF GUERRERO, MEXICO
	30	04	19	29.5%	30.555	S	116.813	E	10	G			0.4	5	WESTERN AUSTRALIA
	30	04	21	44.9?	31.17	S	67.96	W	103	?			0.1	6	SAN JUAN PROVINCE, ARGENTINA
	30	04	24	26.0?	30.25	S	116.82	E	10	G			1.4	5	WESTERN AUSTRALIA
	30	04	54	13.5*	39.970	N	142.735	E	61	?	4.7	4.1	1.0	46	NEAR EAST COAST OF HONSHU, JAPAN
	30	04	55	11.1	40.395	N	27.421	E	10	G			0.9	19	TURKEY
	30	05	15	00.2?	17.32	S	72.76	W	33	N	4.8		0.7	5	NEAR COAST OF PERU
	30	05	15	13.1?	31.54	S	70.32	W	146	?			0.3	10	CHILE-ARGENTINA BORDER REGION
o	30	05	54	41.4	54.279	S	1.271	E	10	G	5.9	5.4	1.2	114	BOUVET ISLAND REGION
	30	06	58	20.5*	1.211	N	123.338	E	33	N	4.3		1.3	5	MINAHASSA PENINSULA
	30	07	19	35.0	38.465	N	12.511	E	10	G			1.0	10	SICILY
	30	12	28	39.7	36.201	N	99.864	E	33	N	4.8		1.2	31	QINGHAI PROVINCE, CHINA
	30	12	29	42.7&	61.701	N	150.128	W	44					28	SOUTHERN ALASKA. <AGS-P>.
o	30	14	26	27.0	8.802	N	126.054	E	117	D	5.4		1.0	107	MINDANAO, PHILIPPINE ISLANDS
	30	15	18	06.2%	41.253	N	14.873	E	10	G			1.3	5	SOUTHERN ITALY
	30	15	23	09.5?	43.81	N	7.78	E	10	G			0.2	5	NEAR SOUTH COAST OF FRANCE
	30	15	50	32.9	36.340	N	100.265	E	10	G	4.4		0.6	10	QINGHAI PROVINCE, CHINA
	30	16	11	47.3%	59.352	N	6.067	E	10	G			0.6	6	SOUTHERN NORWAY. MD 1.9 (BER).
	30	16	39	19.1*	7.359	N	94.425	E	33	N	4.2		1.1	9	NICOBAR ISLANDS REGION
	30	17	29	31.2?	37.03	S	73.34	W	33	N			0.9	9	NEAR COAST OF CENTRAL CHILE
a	30	18	00	16.9	7.329	N	94.308	E	21	D	5.3	5.2	1.0	186	NICOBAR ISLANDS REGION
a	30	18	08	30.0*	25.140	S	112.481	W	10	G	5.1	5.5	1.1	49	EASTER ISLAND REGION. Mo=8.0*10**17 Nm (PPT).
	30	18	16	08.1%	15.944	N	60.824	W	33	N			0.3	9	LEEWARD ISLANDS. ML 2.9 (FDF).
	30	18	33	57.4	44.530	N	8.788	E	10	G			0.8	16	NORTHERN ITALY. ML 2.5 (GEN), 2.7 (LDG).
	30	19	13	44.7	44.478	N	8.801	E	10	G			0.8	13	NORTHERN ITALY. ML 2.4 (LDG), 2.2 (GEN).
	30	19	35	31.8&	37.068	N	121.910	W	14					12	CENTRAL CALIFORNIA <BRK>. ML 2.7 (BRK).
	30	19	35	32.1*	46.149	N	14.046	E	10	G			0.8	5	YUGOSLAVIA. ML 1.8 (LJU).
	30	19	39	26.1&	37.062	N	121.908	W	14					9	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	30	19	51	57.4	38.805	N	22.106	E	10	G			0.8	14	GREECE. ML 2.9 (THE).
	30	21	00	26.8	36.882	N	71.484	E	159	*	4.2		0.6	30	AFGHANISTAN-USSR BORDER REGION
	30	21	03	39.8?	10.43	N	61.08	W	33	N			0.2	4	TRINIDAD. MD 2.8 (TRN).
	30	21	15	33.6&	61.709	N	150.788	W	62					50	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Palmer.
	30	21	17	21.6?	39.24	N	29.53	E	10	G			1.6	4	TURKEY
	30	21	39	01.6*	41.574	N	20.301	E	10	G			1.2	6	ALBANIA. ML 2.4 (TTG), 2.1 (SKO).
	30	22	18	20.8*	13.327	S	76.602	W	52	*	4.5	4.3	1.1	24	NEAR COAST OF PERU. Felt (III) at Pisco.
	30	22	20	40.7&	69.204	N	145.559	W	12		4.2			22	ALASKA. <AGS-P>.
	30	23	07	02.3	39.184	N	20.305	E	10	G			1.2	17	GREECE-ALBANIA BORDER REGION. ML 2.9 (THE).
	30	23	32	45.8*	36.191	N	100.167	E	10	G	4.5		1.2	20	QINGHAI PROVINCE, CHINA
	30	23	35	55.6	49.151	N	2.049	W	22				0.8	46	FRANCE. ML 4.2 (LDG). MD 3.7 (STR). Felt (IV) on Jersey.

ADDITIONAL SOURCE PARAMETERS

01 16 13 05.35 24.358N 141.188E 208km
5.3mb (49 obs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 16:13:10.2 0.9
Lat 24.06N 0.10 Lon 140.62E 0.05
Dep 202.7 3.8 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.31	4	306
N	0.03	71	206
P	-1.34	19	37

Best Double Couple:Mo=1.3*10**17
NP1:Strike= 80 Dip=74 Slip= -11
NP2: 173 79 -164

02 13 56 34.83 32.672S 72.086W 41km
5.6mb (25 obs.) 5.5Msz (10 obs.)
OFF COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 13:56:37.9 0.3
Lat 33.04S 0.04 Lon 72.63W 0.05
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.20	76	41
N	0.64	9	173
P	-3.84	10	265

Best Double Couple:Mo=3.5*10**17
NP1:Strike= 6 Dip=36 Slip= 106
NP2. 167 56 79

02 19 06 10.97 33.192N 68.294E 13km
5.1mb (49 obs.) 4.6Msz (5 obs.)
AFGHANISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 13S, 19C
Centroid Location:
Origin Time 19:06:17.9 1.1
Lat 33.06N 0.11 Lon 68.36E 0.12
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.91	15	213
N	-0.50	51	103
P	-5.41	35	314

Best Double Couple:Mo=5.7*10**16
NP1:Strike=348 Dip=54 Slip= -16
NP2: 87 77 -142

03 07 33 25.65 5.843S 147.664E 88km
5.8mb (51 obs.)
EAST PAPUA NEW GUINEA REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 40 Dip=55 Slip= 145
NP2: 152 62 41
Principal Axes:

	Plg=	Azm=
T	48	9
P	4	274

Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 1.8±0.7*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 87 No. of sta: 16
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.09	45	27
N	0.00	36	164
P	-2.09	23	272

Best Double Couple:Mo=2.1*10**18
NP1:Strike= 48 Dip=39 Slip= 159
NP2: 155 77 53
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 49C
Centroid Location:
Origin Time 07:33:32.7 0.2
Lat 6.02S 0.03 Lon 147.49E 0.02
Dep 102.1 1.5 Half-duration 4.5
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.17	43	24
N	-0.39	43	173
P	-1.78	16	279

Best Double Couple:Mo=2.0*10**18
NP1:Strike= 51 Dip=47 Slip= 157
NP2: 157 73 45

03 20 04 37.07 22.243S 174.265E 33km
5.1mb (7 obs.) 4.8Msz (3 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 16C
Centroid Location:
Origin Time 20:04:42.4 1.0
Lat 22.40S 0.18 Lon 173.65E 0.15
Dep 43.7 9.9 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.18	37	137
N	1.50	52	329
P	-6.67	6	231

Best Double Couple:Mo=5.9*10**16
NP1:Strike=281 Dip=60 Slip= 24
NP2: 178 69 148

03 22 57 00.92 11.426N 86.301W 53km
5.5mb (54 obs.) 6.4Msz (27 obs.)
NEAR COAST OF NICARAGUA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=122 Dip=71 Slip= 98
NP2: 279 21 68
Principal Axes:

	Plg=	Azm=
T	63	45
P	26	206

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a small right-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 3.4±1.5*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 45C M.W.: 14S, 27C
Centroid Location:
Origin Time 22:57:16.4 0.2
Lat 11.24N 0.02 Lon 86.64W 0.02
Dep 31.6 0.9 Half-duration 9.0
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.73	63	17
N	0.08	5	116
P	-1.81	27	208

Best Double Couple:Mo=1.8*10**19
NP1:Strike=310 Dip=19 Slip= 105
NP2: 114 72 85

04 04 19 25.09 11 608N 86.425W 61km
5.1mb (49 obs.)
NEAR COAST OF NICARAGUA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 32C
Centroid Location:
Origin Time 04:19:26.2 0.6
Lat 11.48N FIX;Lon 86.55W FIX
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	7.97	50	30
N	-0.27	1	299
P	-7.70	40	208

Best Double Couple:Mo=7.8*10**17
NP1:Strike=289 Dip= 5 Slip= 80
NP2: 119 85 91

04 05 40 09.16 21.579S 173.897W 36km
5.2mb (26 obs.) 4.9Msz (3 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 05:40:17.2 1.6
Lat 21.63S FIX;Lon 173.93W FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.80	67	170
N	-3.63	19	26
P	-8.17	13	292

Best Double Couple:Mo=1.0*10**17
NP1:Strike=359 Dip=36 Slip= 57
NP2: 218 60 112

04 05 47 10.51 16.179S 72.974W 93km
5.5mb (24 obs.)
NEAR COAST OF PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 19C
Centroid Location:
Origin Time 05:47:16.5 0.6
Lat 16.27S FIX;Lon 73.30W FIX
Dep 56.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.71	38	88
N	0.09	0	358
P	-1.79	52	268

Best Double Couple:Mo=1.8*10**17
NP1:Strike=179 Dip= 7 Slip= -89
NP2: 358 83 -90

04 09 07 27.23 0.788S 122.323E 33km
5.1mb (19 obs.) 4.5Msz (3 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 09:07:27.6 0.8
Lat 0.47S 0.08 Lon 122.68E 0.14
Dep 33.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.74	20	183
N	-0.33	37	289
P	-5 41	46	71

Best Double Couple:Mo=5.6*10**16
NP1:Strike=229 Dip=41 Slip=-156
NP2: 121 74 -51

05 04 50 52.01 56.722S 146.762E 10km
5.0mb (5 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 04:51: 1.2 0.9
Lat 56.27S 0.08 Lon 147.56E 0.14
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.11	0	202
N	0.68	90	180
P	-9.80	0	112

Best Double Couple:Mo=9.5*10**16
NP1:Strike=247 Dip=90 Slip=-180
NP2: 337 90 0

05 19 20 44.16 2.927S 35.891E 10km
4.9mb (16 obs.)
TANZANIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 19:20:48.9 0.8
Lat 3.05S 0.10 Lon 36.05E 0.07
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.88	0	262
N	-1.99	0	172
P	-3.89	90	180

Best Double Couple:Mo=4.9*10**16
NP1:Strike=352 Dip=45 Slip= -90
NP2: 172 45 -90

05 21 12 35.55 15.125N 147.596E

6.5mb (69 obs.) 7.5Msz (24 obs.)
MARIANA ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=208 Dip=68 Slip= -90
NP2: 28 22 -90
Principal Axes:
T Plg=23 Azm=298
P 67 118
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 9 Focal mech. M
Energy 4.4±1.0*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 13
Principal Axes:
Scale 10**19 Nm
T Val= 6.58 Plg=15 Azm=322
N -0.12 26 224
P -6.46 59 78
Best Double Couple:Mo=6.5*10**19
NP1:Strike= 84 Dip=38 Slip= -44
NP2: 211 65 -119
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 31C M.W.: 10S, 30C
Centroid Location:
Origin Time 21:12:46.5 0.2
Lat 15.57N 0.02 Lon 148.08E 0.01
Dep 15.0 FIX Half-duration 20.0
Principal Axes:
Scale 10**20 Nm
T Val= 1.55 Plg=15 Azm=108
N 0.16 9 201
P -1.71 72 320
Best Double Couple:Mo=1.6*10**20
NP1:Strike=185 Dip=31 Slip=-108
NP2: 26 61 -80
GEOSCOPE MOMENT TENSOR (PAR)
Dep 35.0 Half-duration 22.0
Best Double Couple:Mo=2.6*10**20
NP1:Strike= 3 Dip=27 Slip=-100
NP2: 194 64 -85

06 05 43 05.64 41.093S 80.906E 10km
5.6mb (10 obs.) 5.7Msz (2 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centroid Location:
Origin Time 05.43:15.5 0.6
Lat 40.77S 0.06 Lon 80.79E 0.06
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**17 Nm
T Val= 7.00 Plg= 0 Azm=181
N -0.99 90 180
P -6.01 0 91
Best Double Couple:Mo=6.5*10**17
NP1:Strike=226 Dip=90 Slip=-180
NP2: 316 90 0

06 05 47 43.65 6.817S 105.140E 33km
5.5mb (12 obs.) 5.6Msz (3 obs.)
SUNDA STRAIT
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 05:47:52.9 2.0
Lat 6.88S 0.17 Lon 105.14E 0.19
Dep 53.112.2 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.04 Plg= 7 Azm=264
N -0.75 55 163
P -5.29 34 359
Best Double Couple:Mo=5.7*10**17
NP1:Strike= 36 Dip=61 Slip= -20
NP2: 136 72 -150

06 06 09 03.08 15.152S 172.126W 33km
5.3mb (29 obs.) 5.6Msz (3 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 06:09: 5.2 0.9
Lat 16.44S 0.16 Lon 171.50W 0.14
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.63 Plg=10 Azm= 73
N -0.14 10 342
P -2.49 76 207
Best Double Couple:Mo=2.6*10**17
NP1:Strike=176 Dip=36 Slip= -73
NP2: 335 56 -102

06 07 52 02.01 60.527S 25.482W 33km
5.6mb (20 obs.) 5.6Msz (3 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C
Centroid Location:
Origin Time 07:52: 5.4 0.3
Lat 61.27S 0.04 Lon 23.46W 0.10
Dep 15.0 FIX Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 10.65 Plg=24 Azm=339
N -1.52 12 243
P -9.13 62 129
Best Double Couple:Mo=9.9*10**17
NP1:Strike= 93 Dip=23 Slip= -58
NP2: 239 70 -103

06 14 31 46.14 21.618S 174.213W 29km
5.5mb (33 obs.) 6.4Msz (3 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=218 Dip=84 Slip= -90
NP2: 38 6 -90
Principal Axes.
T Plg=39 Azm=308
P 51 128
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 4 Focal mech. C
Energy 2.4±1.2*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 14:31:50.6 1.5
Lat 22.02S 0.11 Lon 173.93W 0.12
Dep 24.9 6.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.63 Plg=68 Azm=281
N 0.05 5 22
P -1.69 21 114
Best Double Couple:Mo=1.7*10**17
NP1:Strike=213 Dip=24 Slip= 101
NP2: 20 66 85

06 14 57 20.10 15.177N 147.596E 16km
5.9mb (51 obs.) 6.1Msz (12 obs.)
MARIANA ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 60 Dip=85 Slip= -90
NP2: 240 5 -90
Principal Axes.
T Plg=40 Azm=150
P 50 330
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. M
Energy 1.1±0.4*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 14
Principal Axes
Scale 10**18 Nm
T Val= 3.58 Plg= 5 Azm=113
N 0.01 67 215
P -3.59 23 21
Best Double Couple:Mo=3.6*10**18
NP1:Strike=159 Dip=70 Slip=-167
NP2: 65 78 -20
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C M.W.: 10S, 22C
Centroid Location:
Origin Time 14:57:28.5 0.2
Lat 15.11N 0.02 Lon 147.82E 0.02
Dep 15.0 FIX Half-duration 4.5
Principal Axes:
Scale 10**18 Nm
T Val= 1.98 Plg=18 Azm=276
N 0.69 20 180
P -2.67 62 45
Best Double Couple:Mo=2.3*10**18
NP1:Strike= 35 Dip=32 Slip= -50
NP2: 170 66 -112

06 16 31 34.46 25.988S 175.955W 32km
5.5mb (26 obs.) 5.9Msz (8 obs.)
SOUTH OF TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 16:31:41.8 1.0
Lat 26.43S 0.11 Lon 176.16W 0.11
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 4.67 Plg=46 Azm=263
N 1.17 22 17
P -5.84 36 124
Best Double Couple:Mo=5.2*10**17
NP1:Strike=273 Dip=22 Slip= 167
NP2: 15 85 68

06 22 38 44.99 15.028N 147.564E 35km
5.3mb (24 obs.) 4.6Msz (3 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 22:38:47.7 1.2
Lat 14.97N 0.12 Lon 148.03E 0.13
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.82 Plg=36 Azm=285
N -0.30 2 17
P -9.53 54 109
Best Double Couple:Mo=9.7*10**16
NP1:Strike= 5 Dip=10 Slip=-102
NP2: 197 81 -88

07 02 44 30.99 26.163S 175.994W 26km
5.3mb (24 obs.) 5.3Msz (9 obs.)
SOUTH OF TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 02:44:37.8 0.8
Lat 25.98S 0.10 Lon 176.17W 0.09
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.05 Plg=23 Azm=237
N 0.67 44 351
P -1.72 37 128
Best Double Couple:Mo=1.4*10**17
NP1:Strike=278 Dip=45 Slip=-168
NP2: 180 81 -46

07 18 25 56.39 18.049S 168.126E 36km
5.2mb (19 obs.) 4.9Msz (6 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 18:26: 3.8 0.3
Lat 18.14S 0.04 Lon 167.62E 0.03
Dep 35.1 2.7 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.13 Plg=64 Azm= 37
N 0.27 19 171
P -2.41 18 267
Best Double Couple:Mo=2.3*10**17
NP1:Strike= 2# Dip=32 Slip= 128
NP2: 162 65 69

09 09 31 09.63 25.806S 176.058W 17km
5.7mb (31 obs.) 5.9Msz (17 obs.)
SOUTH OF FIJI ISLANDS
RADIATED ENERGY

No. of sta: 8 Focal mech. C
Energy 3.3±0.9*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 09:31:17.3 0.4
Lat 25.99S 0.04 Lon 175.77W 0.04
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 10.27 Plg=15 Azm=272
N -0.86 6 3
P -9.41 74 115
Best Double Couple:Mo=9.8*10**17
NP1:Strike=353 Dip=31 Slip=-102
NP2: 187 60 -83

11 07 53 37.66 42.540N 144.048E 72km
5.5mb (79 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 07:53:40.8 0.3
Lat 42.47N 0.06 Lon 143.52E 0.06
Dep 59.7 6.6 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.46 Plg=41 Azm= 7
N -0.02 22 257
P -2.43 41 146
Best Double Couple:Mo=2.4*10**17
NP1:Strike=166 Dip=22 Slip= 0
NP2: 257 90 -112

11 13 10 16.82 30.991S 177.806W 33km
5.4mb (20 obs.) 5.4Msz (13 obs.)
KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 34C
Centroid Location:
Origin Time 13:10:32.0 0.5
Lat 30.20S 0.04 Lon 178.29W 0.04
Dep 27.1 2.0 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.16 Plg=64 Azm=241
N 0.71 16 8
P -6.87 20 104
Best Double Couple:Mo=6.5*10**17
NP1:Strike=220 Dip=29 Slip= 125
NP2: 1 66 72

11 20 51 12.19 35.474N 135.451E 362km
5.6mb (114 obs.)
SOUTHERN HONSHU, JAPAN
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 1.0±0.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 361 No. of sta: 13
Principal Axes:
Scale 10**18 Nm
T Val= 1.73 Plg= 3 Azm=348
N -0.16 43 255
P -1.57 47 81
Best Double Couple:Mo=1.6*10**18
NP1:Strike=113 Dip=56 Slip= -35
NP2: 225 61 -141
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 20:51:15.7 0.2
Lat 35.50N 0.02 Lon 135.26E 0.04
Dep 367.1 1.1 Half-duration 4.1
Principal Axes:
Scale 10**18 Nm
T Val= 1.49 Plg= 7 Azm=344
N -0.23 30 250
P -1.25 59 85
Best Double Couple:Mo=1.4*10**18
NP1:Strike=104 Dip=46 Slip= -46
NP2: 229 59 -126

13 08 15 57.28 17.564S 178.712W 554km
5.1mb (35 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 08:16: 8.0 0.7
Lat 17.10S 0.06 Lon 179.23W 0.05
Dep 581.4 2.8 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.90 Plg= 6 Azm=120
N -0.08 19 28
P -1.82 70 226
Best Double Couple:Mo=1.9*10**17
NP1:Strike=230 Dip=43 Slip= -61
NP2: 13 54 -114

14 05 29 50.05 7.983N 126.645E 66km
5.5mb (28 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 05:29:51.6 0.4
Lat 7.74N 0.06 Lon 126.92E 0.08
Dep 60.5 3.6 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.00 Plg=84 Azm=357
N 0.72 6 200
P -1.71 3 110
Best Double Couple:Mo=1.4*10**17
NP1:Strike=194 Dip=43 Slip= 81
NP2: 26 48 98

14 08 00 13.85 27.296N 139.924E 458km
5.6mb (73 obs.)
BONIN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 08:00:18.8 0.4
Lat 27.16N 0.05 Lon 139.60E 0.03
Dep 444.0 2.5 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 4.57 Plg=13 Azm=244
N -0.19 39 144
P -4.38 48 349
Best Double Couple:Mo=4.5*10**17
NP1:Strike= 13 Dip=47 Slip= -31
NP2: 125 68 -133

16 19 18 51.67 2.179S 141.448E 29km
5.2mb (16 obs.) 4.5Msz (1 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 15C
Centroid Location:
Origin Time 19:18.50.1 2.0
Lat 2.87S 0.18 Lon 140.47E 0.19
Dep 33.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.94 Plg=12 Azm= 21
N 0.19 26 285
P -5.13 60 133
Best Double Couple:Mo=5.0*10**16
NP1:Strike=141 Dip=40 Slip= -46
NP2: 269 62 -120

16 22 37 11.29 14.858S 167 278E 119km
5.5mb (38 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 37C
Centroid Location:
Origin Time 22:37:20.7 0.4
Lot 14.66S 0.05 Lon 166.76E 0.04
Dep 122.9 1.5 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.34 Plg=54 Azm=184
N 0.54 34 22
P -3.88 9 286
Best Double Couple:Mo=3.6*10**17
NP1:Strike=343 Dip=47 Slip= 40
NP2: 223 62 129

17 01 59 33.40 39.436N 74.900E 33km
6.0mb (24 obs.) 6.2Msz (13 obs.)
SOUTHERN XINJIANG, CHINA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=115 Dip= 7 Slip= 158
NP2: 210 89 14
Principal Axes:
T Plg=25 Azm= 71
P 6 164
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 4.2±1.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 8 No. of sto: 9
Principal Axes:
Scale 10**18 Nm
T Val= 1.14 Plg=26 Azm= 86
N 0.00 63 247
P -1.15 8 352
Best Double Couple:Mo=1.1*10**18
NP1:Strike=126 Dip=66 Slip= 166
NP2: 221 78 25
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 45C M.W.: 5S, 10C
Centroid Location:
Origin Time 01:59:35.1 0.4
Lat 39.29N 0.05 Lon 74.78E 0.06
Dep 15.0 FIX Half-duration 3.8
Principal Axes:
Scale 10**17 Nm
T Val= 13.91 Plg=32 Azm= 78
N -4.31 58 257
P -9.61 0 348
Best Double Couple:Mo=1.2*10**18
NP1:Strike=118 Dip=68 Slip= 156
NP2: 218 68 24

17 11 34 09 02 7.368N 35.286W 10km
5.5mb (71 obs.) 5.7Msz (24 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 46C
Centroid Location:
Origin Time 11:34:14.1 0.2
Lat 7.23N 0.03 Lon 34.96W 0.02
Dep 15.0 FIX Half-duration 4.1
Principal Axes:
Scale 10**18 Nm
T Val= 1.70 Plg=10 Azm=224
N -0.26 71 104
P -1.44 16 317
Best Double Couple:Mo=1.6*10**18
NP1:Strike=359 Dip=71 Slip= -5
NP2: 91 86 -161

18 10 33 48.95 57.968S 10.316W 10km
5.2mb (11 obs.) 5.2Msz (5 obs.)
SOUTHWESTERN ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 10:33:59.2 0.8
Lot 58.75S 0.06 Lon 10.58W 0.18
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.70 Plg= 0 Azm=139
N -0.22 90 180
P -1.48 0 49
Best Double Couple:Mo=1.6*10**17
NP1:Strike=184 Dip=90 Slip=-180
NP2: 274 90 0

18 13 39 19.01 1.186N 122.857E 26km
6.2mb (57 obs.) 7.4Msz (20 obs.)
MINAHASSA PENINSULA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=255 Dip=70 Slip= 90
NP2: 75 20 90
Principal Axes:
T Plg=65 Azm=165
P 25 345
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault

plane is NP2.
RADIATED ENERGY
No. of sto: 9 Focal mech. M
Energy 1.4±0.4*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 48 No. of sta: 11
Principal Axes:
Scale 10**20 Nm
T Val= 1.45 Plg=42 Azm=210
N 0.00 46 47
P -1.44 8 308
Best Double Couple:Mo=1.4*10**20
NP1:Strike=358 Dip=55 Slip= 27
NP2: 252 68 141
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 14S, 35C M.W.: 13S, 34C
Centroid Locotion:
Origin Time 13:39:35.8 0.2
Lot 1.31N 0.01 Lon 123.35E 0.02
Dep 33.2 0.9 Holf-durotion 20.0
Principol Axes:
Scale 10**20 Nm
T Vol= 3.61 Plg=66 Azm=135
N -0.59 16 265
P -3.02 17 0
Best Double Couple:Mo=3.3*10**20
NP1:Strike=112 Dip=31 Slip= 122
NP2: 257 64 73
GEOSCOPE MOMENT TENSOR (PAR)
Dep 15.0 Holf-duration 10.0
Best Double Couple:Mo=6.0*10**20
NP1:Strike=121 Dip=16 Slip= 146
NP2: 244 81 77

18 18 32 59.98 1.315N 123.018E 19km
5.9mb (52 obs.) 6.2Msz (12 obs.)
MINAHASSA PENINSULA
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=280 Dip=72 Slip= 143
NP2: 23 55 22
Principol Axes:
T Plg=39 Azm=236
P 11 335
Comment: The focol mechonism is poorly controlled ond corresponds to strike-slip foulting with o lorge reverse component. The preferred foult plone is not determined.
RADIATED ENERGY
No of sto: 7 Focol mech. C
Energy 1.3±0.3*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 12S, 25C
Centroid Locotion:
Origin Time 18:33:10.1 0.5
Lot 1.19N 0.07 Lon 122.95E 0.08
Dep 22.2 3.6 Holf-durotion 6.0
Principol Axes:
Scole 10**18 Nm
T Val= 7.19 Plg=68 Azm=171
N -1.30 4 270
P -5.89 22 1
Best Double Couple:Mo=6.5*10**18
NP1:Strike= 98 Dip=24 Slip= 99
NP2: 268 67 86

19 01 05 08.76 1.300N 123.021E 33km
5.7mb (39 obs.) 5.7Msz (15 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 15S, 40C
Centroid Locotion.
Origin Time 01:05:16.7 0.7
Lot 1.70N 0.07 Lon 123.36E 0.07
Dep 17.7 3.5 Holf-durotion 3.8
Principol Axes:
Scole 10**17 Nm
T Val= 10.42 Plg=67 Azm=224
N -0.40 17 89
P -10.02 15 355
Best Double Couple:Mo=1.0*10**18
NP1:Strike= 62 Dip=33 Slip= 58
NP2: 278 62 109

19 08 28 33.25 1.429N 123.576E 33km
5.1mb (14 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 08:28:39.7 1.1
Lot 1.90N 0.11 Lon 123.59E 0.14
Dep 31.8 7.7 Holf-durotion 1.9
Principol Axes:
Scale 10**17 Nm
T Vol= 1.31 Plg=58 Azm=248
N -0.13 28 102
P -1.18 15 4
Best Double Couple:Mo=1.2*10**17
NP1:Strike= 60 Dip=38 Slip= 41
NP2: 296 66 121

19 12 40 38.69 1.108N 123.429E 24km
5.8mb (44 obs.) 6.2Msz (26 obs.)
MINAHASSA PENINSULA
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=350 Dip=84 Slip= -45
NP2: 86 45 -172
Principal Axes:
T Plg=25 Azm= 47
P 35 298
Comment: The focol mechonism is poorly controlled ond corresponds to normol foulting with o lorge strike-slip component. The preferred foult plone is not determined.
RADIATED ENERGY
No. of sto: 7 Focol mech F
Energy 8.7±2.9*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 27 No. of sto: 12
Principol Axes:
Scole 10**18 Nm
T Val= 7.15 Plg=29 Azm= 53
N -0.66 7 147
P -6.49 60 250
Best Double Couple:Mo=6.8*10**18
NP1:Strike=123 Dip=17 Slip=-115
NP2: 329 75 -82
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 14S, 35C
Centroid Locotion:
Origin Time 12:40:43.3 0.5
Lot 1.34N 0.04 Lon 122.92E 0.04
Dep 40.5 3.8 Holf-durotion 6.0
Principol Axes:
Scole 10**18 Nm
T Vol= 3.37 Plg=21 Azm= 43
N 0.13 46 157
P -3.50 36 296
Best Double Couple:Mo=3.4*10**18
NP1:Strike= 85 Dip=48 Slip=-168
NP2: 346 81 -43

19 22 41 31.04 34.018N 69.742E 33km
5.2mb (28 obs.) 5.1Msz (5 obs.)
AFGHANISTAN
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 13S, 19C
Centroid Location:
Origin Time 22:41:34.5 0.5
Lot 34.16N 0.08 Lon 69.52E 0.07
Dep 33.0 FIX Holf-durotion 1.8
Principol Axes:
Scole 10**17 Nm
T Val= 1.49 Plg=14 Azm= 52
N -0.68 64 172
P -0.81 22 316
Best Double Couple:Mo=1.1*10**17
NP1:Strike= 96 Dip=64 Slip=-174
NP2: 3 85 -26

20 18 23 29.92 14.859S 71.374W 144km
5.1mb (19 obs.)
PERU
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 18:23:35.5 0.7
Lot 14.69S 0.10 Lon 71.33W 0.10
Dep 152.1 3.9 Holf-durotion 1.6
Principol Axes:
Scole 10**16 Nm
T Val= 13.81 Plg=19 Azm= 66
N -4.72 0 336
P -9.08 71 246
Best Double Couple:Mo=1.1*10**17
NP1:Strike=157 Dip=26 Slip= -90
NP2: 336 64 -90

20 20 33 38.07 13.241N 90.079W 77km
5.0mb (30 obs.)
NEAR COAST OF GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 9S, 17C
Centroid Locotion:
Origin Time 20:33:43.1 2.1
Lot 13.36N 0.15 Lon 90.27W 0.17
Dep 24.8 7.6 Holf-duration 1.6
Principol Axes:
Scole 10**16 Nm
T Vol= 11.41 Plg=54 Azm= 93
N 0.14 30 311
P -11.55 18 210
Best Double Couple:Mo=1.1*10**17
NP1:Strike=262 Dip=38 Slip= 34
NP2: 144 70 122

20 23 20 31.82 6.270S 151.178E 52km
5.4mb (21 obs.) 4.9Msz (3 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 23:20:30.8 1.6
Lot 6.07S 0.12 Lon 151.79E 0.12
Dep 48.9 8.9 Holf-duration 2.1
Principol Axes:
Scole 10**17 Nm
T Vol= 1.81 Plg=53 Azm=302
N 0.71 1 34
P -2.51 37 125
Best Double Couple:Mo=2.2*10**17
NP1:Strike=223 Dip= 8 Slip= 99
NP2: 34 82 89

20 23 30 03.48 40.002N 40.069E 14km
5.0mb (40 obs.) 4.3Msz (4 obs.)
TURKEY
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 10S, 14C
Centroid Locotion:
Origin Time 23:30: 9.5 1.6
Lot 39.92N 0.15 Lon 39.70E 0.10
Dep 15.0 FIX Holf-duration 2.0
Principol Axes:
Scole 10**17 Nm
T Vol= 1.47 Plg= 0 Azm=254
N 0.07 90 180
P -1.54 0 164
Best Double Couple:Mo=1.5*10**17
NP1:Strike=299 Dip=90 Slip=-180
NP2: 29 90 0

21 05 14 03.93 1.234N 123.254E 33km
5.1mb (18 obs.) 4.7Msz (5 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 12S, 29C
Centroid Locotion:
Origin Time 05:14: 9.5 0.6
Lat 1.92N 0.05 Lon 123.77E 0.06
Dep 38.1 4.0 Holf-durotion 2.1
Principol Axes:
Scole 10**17 Nm
T Val= 1.64 Plg=66 Azm=223
N 0.68 17 89
P -2.33 17 354
Best Double Couple:Mo=2.0*10**17
NP1:Strike= 59 Dip=32 Slip= 56
NP2: 278 64 110

21 18 54 52.46 36.985S 73.303W 12km
6.0mb (19 obs.) 5.7Msz (16 obs.)
NEAR COAST OF CENTRAL CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=170 Dip=84 Slip= 70
NP2: 64 21 163
Principol Axes:
T Plg=47 Azm= 59
P 36 277
Comment: The focol mechanism is moderotely well controlled and corresponds to reverse foulting with o moderote left-loterol strike-slip component.

The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 5 Focal mech. C
Energy 8.9±2.1*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 5 No. of sta: 5
Principal Axes:
Scale 10**18 Nm
T Val= 3.00 Plg=51 Azm= 94
N 0.08 11 351
P -3.08 37 253
Best Double Couple:Mo=3.0*10**18
NP1:Strike=296 Dip=13 Slip= 35
NP2: 172 83 101
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 18:54:56.5 0.3
Lat 37.28S 0.04 Lon 73.79W 0.05
Dep 19.9 2.4 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 6.47 Plg=62 Azm= 98
N 0.22 3 2
P -6.69 28 271
Best Double Couple:Mo=6.6*10**17
NP1:Strike=352 Dip=17 Slip= 80
NP2: 183 73 93

21 22 56 55.34 47.488N 138.956E 505km
5.1mb (100 obs.)
NEAR E. COAST OF EASTERN USSR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 22:57: 1.7 0.7
Lat 47.35N 0.05 Lon 138.35E 0.08
Dep 520.3 3.1 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.64 Plg=29 Azm= 6
N 1.10 61 181
P -2.73 2 274
Best Double Couple:Mo=2.2*10**17
NP1:Strike= 46 Dip=68 Slip= 160
NP2: 144 72 23

22 20 25 24.85 37.977S 73.300W 26km
5.4mb (22 obs.) 5.6Msz (10 obs.)
NEAR COAST OF CENTRAL CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 20:25:27.7 0.3
Lat 38.07S 0.04 Lon 73.60W 0.05
Dep 31.0 2.6 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 3.48 Plg=61 Azm= 91
N 0.11 3 356
P -3.59 29 264
Best Double Couple:Mo=3.5*10**17
NP1:Strike=347 Dip=16 Slip= 81
NP2: 177 74 93

22 23 51 52.55 0.955N 120.064E 33km
5.2mb (20 obs.) 4.3Msz (3 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 15C
Centroid Location:
Origin Time 23:51:58.4 0.9
Lat 1.45N 0.12 Lon 120.41E 0.16
Dep 33.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 8.15 Plg=49 Azm=197
N 1.45 19 84
P -9.60 35 340
Best Double Couple:Mo=8.9*10**16
NP1:Strike= 16 Dip=21 Slip= 21
NP2: 266 83 110

25 02 13 32.07 15.358S 179.055W 441km
5.4mb (31 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 13C
Centroid Location:
Origin Time 02:13:43.5 0.9
Lat 14.74S 0.11 Lon 179.52W 0.10
Dep 428.1 4.5 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.27 Plg=38 Azm=185
N -0.03 10 282
P -1.24 51 24
Best Double Couple:Mo=1.3*10**17
NP1:Strike=227 Dip=12 Slip=-145
NP2: 103 83 -80

25 07 10 53.93 48.261N 154.364E 38km
5.5mb (81 obs.) 5.0Msz (8 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 07:10:57.8 0.6
Lat 48.40N 0.07 Lon 153.95E 0.08
Dep 68.7 5.7 Half-duration 2.0
Principal Axes:
Scale 10**16 Nm
T Val= 13.70 Plg=46 Azm=288
N -2.07 29 54
P -11.63 30 162
Best Double Couple:Mo=1.3*10**17
NP1:Strike=303 Dip=31 Slip= 161
NP2: 49 81 61

26 09 37 10.94 36.040N 100.274E 10km
5.7mb (17 obs.)
QINGHAI PROVINCE, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 09:37:22.8 0.6
Lat 36.01N FIX;Lon 100.27E FIX
Dep 15.0 FIX Half-duration 5.2
Principal Axes:
Scale 10**18 Nm
T Val= 3.25 Plg=43 Azm=293
N -0.63 37 157
P -2.63 24 47
Best Double Couple:Mo=2.9*10**18
NP1:Strike= 90 Dip=40 Slip= 19
NP2: 346 78 128

26 09 37 15.04 35.986N 100.245E 8km
6.5mb (23 obs.) 6.9Msz (13 obs.)
QINGHAI PROVINCE, CHINA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=135 Dip=45 Slip= 90
NP2: 315 45 90
Principal Axes:
T Plg=90 Azm= 0
P 0 45
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 2.1±0.9*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 10 No. of sta: 11
Principal Axes:
Scale 10**18 Nm
T Val= 1.85 Plg=69 Azm=285
N -0.05 16 147
P -1.80 13 54
Best Double Couple:Mo=1.8*10**18
NP1:Strike=123 Dip=35 Slip= 61
NP2: 337 60 108
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C M.W.: 10S, 26C
Centroid Location:
Origin Time 09:37:27.9 0.4
Lat 36.25N 0.03 Lon 100.57E 0.04
Dep 15.0 FIX Half-duration 8.0
Principal Axes:
Scale 10**18 Nm
T Val= 5.69 Plg=55 Azm=300
N -0.17 33 140
P -5.52 9 44
Best Double Couple:Mo=5.6*10**18
NP1:Strike=101 Dip=46 Slip= 41
NP2: 340 62 128

26 09 37 45.38 36.239N 100.254E 10km
6.3mb (9 obs.)
QINGHAI PROVINCE, CHINA
RADIATED ENERGY
No. of sta: 8 Focal mech. O
Energy 1.0±0.3*10**14 Nm

26 15 40 34.40 1.059N 122.825E 24km
5.8mb (32 obs.) 5.8Msz (13 obs.)
MINAHASSA PENINSULA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=243 Dip=67 Slip= 90
NP2: 63 23 90
Principal Axes:
T Plg=68 Azm=153
P 22 333
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 1.3±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 9 No. of sta: 11
Principal Axes:
Scale 10**18 Nm
T Val= 2.03 Plg=60 Azm=165
N 0.08 13 52
P -2.10 27 316
Best Double Couple:Mo=2.1*10**18
NP1:Strike= 18 Dip=22 Slip= 54
NP2: 236 73 103
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 15:40:42.3 1.1
Lat 1.58N 0.08 Lon 122.86E 0.06
Dep 15.0 FIX Half-duration 3.7
Principal Axes:
Scale 10**17 Nm
T Val= 10.02 Plg=72 Azm=212
N -0.88 2 117
P -9.14 18 26
Best Double Couple:Mo=9.6*10**17
NP1:Strike=113 Dip=27 Slip= 86
NP2: 298 63 92

27 02 50 02.87 13.708S 166.762E 56km
5.5mb (21 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 16C
Centroid Location:
Origin Time 02:50:15.9 1.5
Lat 12.80S 0.16 Lon 166.19E 0.10
Dep 73.3 5.2 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 0.86 Plg=37 Azm= 0
N 0.25 51 203
P -1.11 11 99
Best Double Couple:Mo=1.0*10**17
NP1:Strike=146 Dip=56 Slip= 20
NP2: 44 74 144

27 05 29 25.90 28.696N 66.177E 17km
5.3mb (53 obs.) 5.3Msz (8 obs.)
PAKISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 23C
Centroid Location:
Origin Time 05:29:30.0 1.1
Lat 28.70N 0.13 Lon 66.46E 0.07
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.53 Plg=28 Azm=216
N -0.52 56 74
P -2.01 18 315
Best Double Couple:Mo=2.3*10**17
NP1:Strike=358 Dip=57 Slip= 8
NP2: 264 84 147

27 09 42 31.05 1.462N 123.566E 37km
5.3mb (19 obs.) 4.8Msz (6 obs.)
MINAHASSA PENINSULA

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 09:42:34.5 1.2
Lat 2.12N 0.10 Lon 123.97E 0.12
Dep 33.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.18	58	194
N	0.27	9	89
P	-1.45	30	354

Best Double Couple:Mo=1.3*10**17
NP1:Strike= 58 Dip=17 Slip= 57
NP2: 272 76 99

28 01 23 11.51 8.887N 83.500W 23km
5.9mb (82 obs.) 6.3Msz (35 obs.)
COSTA RICA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=103 Dip=65 Slip= 78
NP2: 310 28 114
Principal Axes:

	Plg=	Azm=
T	68	350
P	19	202

Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a small right-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 2.5±0.9*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 43C M.W.: 11S, 18C
Centroid Location:
Origin Time 01:23:19.7 0.3
Lat 8.95N 0.02 Lon 83.48W 0.03
Dep 15.0 FIX Half-durotion 6.0
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	4.38	68	347
N	-0.37	14	113
P	-4.01	17	207

Best Double Couple:Mo=4.2*10**18
NP1:Strike=317 Dip=30 Slip= 118
NP2: 106 64 75

28 11 42 23.83 26.113S 178.021W 17km
5.6mb (26 obs.) 5.4Msz (6 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 35C
Centroid Location:
Origin Time 11:42:32.0 0.6
Lat 25.93S 0.06 Lon 178.09W 0.04
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.73	1	306
N	-0.47	77	41
P	-3.25	13	216

Best Double Couple:Mo=3.5*10**17
NP1:Strike=352 Dip=80 Slip=-172
NP2: 260 82 -10

29 05 43 40.62 4.100S 151.857E 27km
5.5mb (16 obs.) 4.8Msz (4 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 05:43:43.8 0.4
Lat 4.07S 0.06 Lon 151.63E 0.08
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.86	23	349
N	-0.36	57	220
P	-2.49	23	90

Best Double Couple:Mo=2.7*10**17
NP1:Strike=129 Dip=57 Slip= -1
NP2: 220 90 -147

30 05 54 41.49 54.279S 1.271E 10km
5.9mb (18 obs.) 5.4Msz (9 obs.)
BOUVET ISLAND REGION
MOMENT TENSOR SOLUTION
Dep 11 No. of sto: 6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	9.40	7	327
N	-0.40	19	235
P	-9.00	69	77

Best Double Couple:Mo=9 2*10**17
NP1:Strike= 78 Dip=41 Slip= -60
NP2: 220 55 -114
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 05:54:49.8 0.2
Lat 54.40S 0.02 Lon 1.75E 0.06
Dep 15.0 FIX Half-durotion 3.8
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.26	6	343
N	-0.11	1	73
P	-1.15	84	170

Best Double Couple:Mo=1.2*10**18
NP1:Strike= 72 Dip=39 Slip= -91
NP2: 254 51 -89

30 14 26 27.04 8.802N 126.054E 117km
5.4mb (33 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 12C
Centroid Location:
Origin Time 14:26:31.0 1.3
Lat 9.62N 0.25 Lon 126.34E 0.21
Dep 128.3 6.8 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.16	26	130
N	-1.91	55	356
P	-7.25	22	231

Best Double Couple:Mo=8.2*10**16
NP1:Strike=271 Dip=55 Slip= 3
NP2: 180 88 145

30 18 00 16.97 7.329N 94.308E 21km
5.3mb (70 obs.) 5.2Msz (8 obs.)
NICOBAR ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 17C
Centroid Location:
Origin Time 18:00:25.6 1.0
Lat 8.05N 0.09 Lon 94.50E 0.07
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.36	10	288
N	0.37	73	55
P	-2.74	13	195

Best Double Couple:Mo=2.5*10**17
NP1:Strike=332 Dip=73 Slip=-178
NP2: 241 88 -17

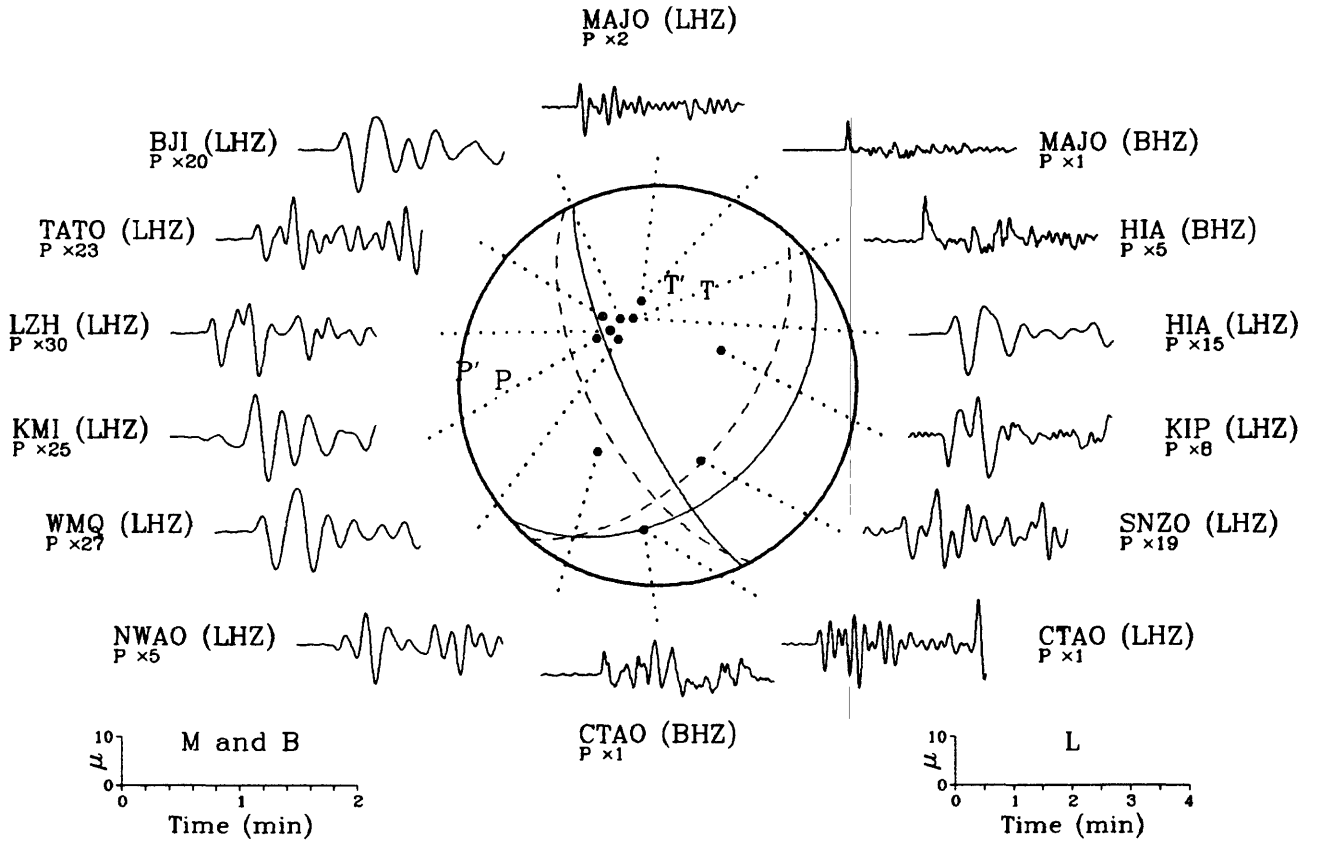
30 18 08 30.04 25.140S 112.481W 10km
5.1mb (15 obs.) 5.5Msz (3 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 18:08:38.2 0.7
Lat 25.00S 0.07 Lon 112.42W 0.05
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.00	0	111
N	-0.29	90	180
P	-2.71	0	21

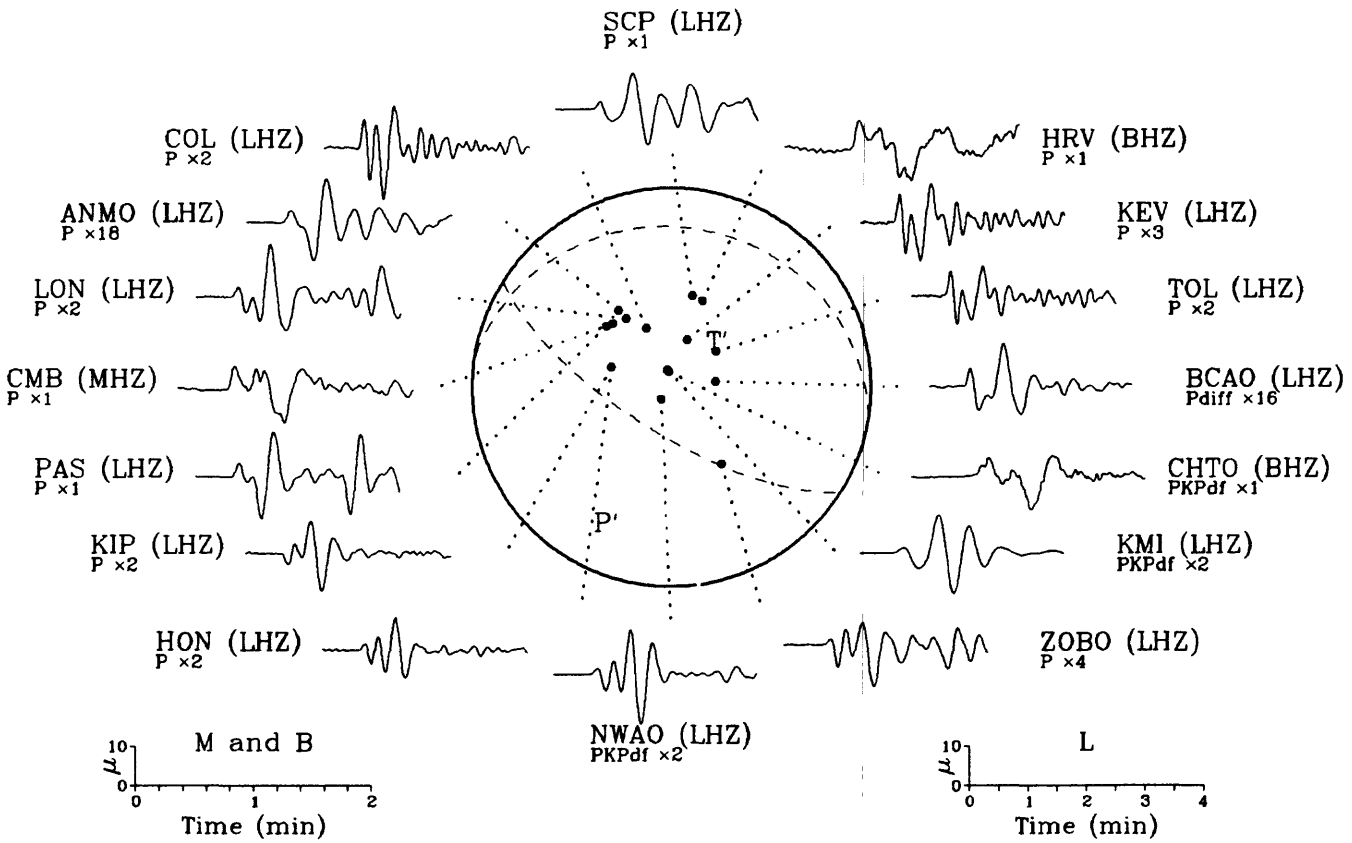
Best Double Couple:Mo=2.9*10**17
NP1:Strike=156 Dip=90 Slip=-180
NP2: 246 90 0

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

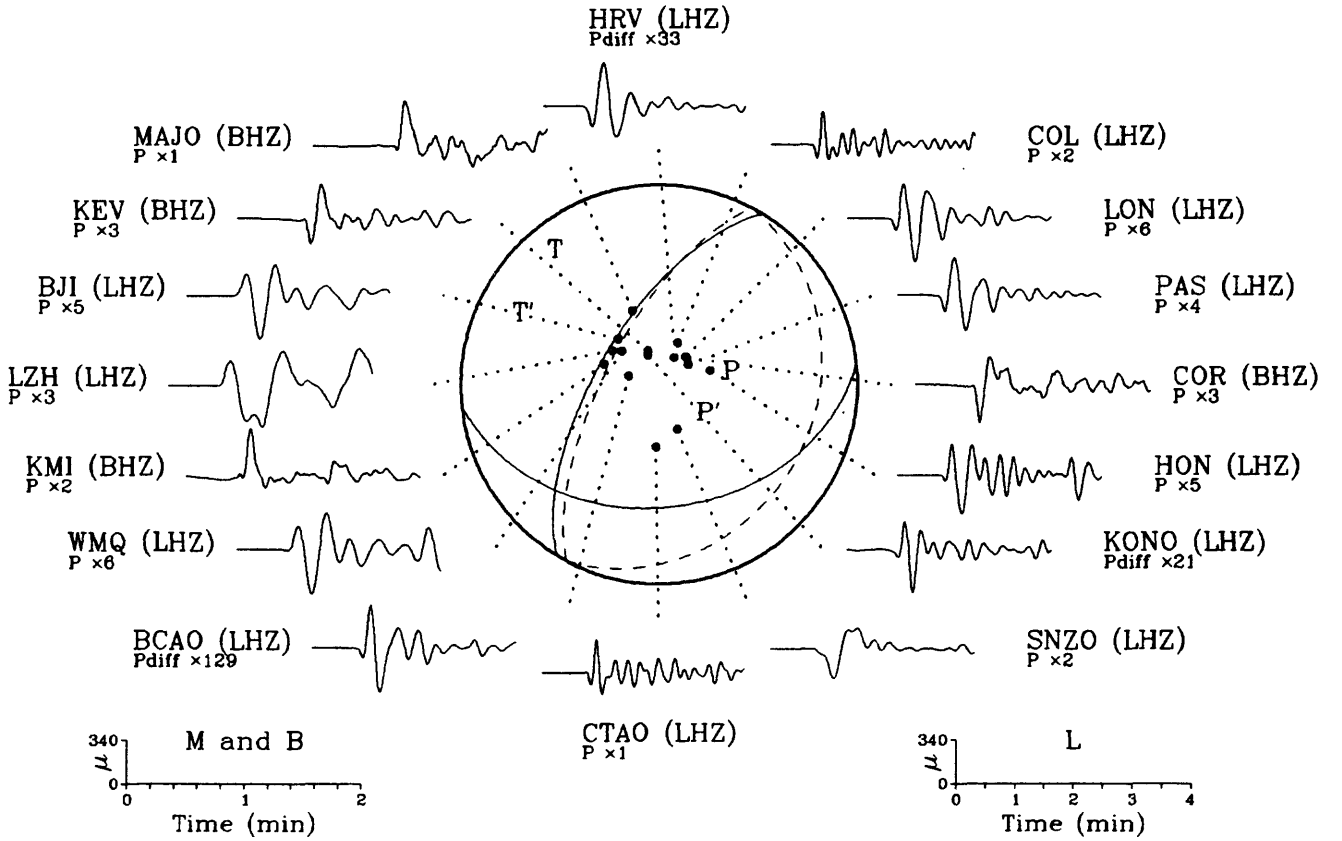
03 April 1990 07:33:25.65
East Papua New Guinea Region



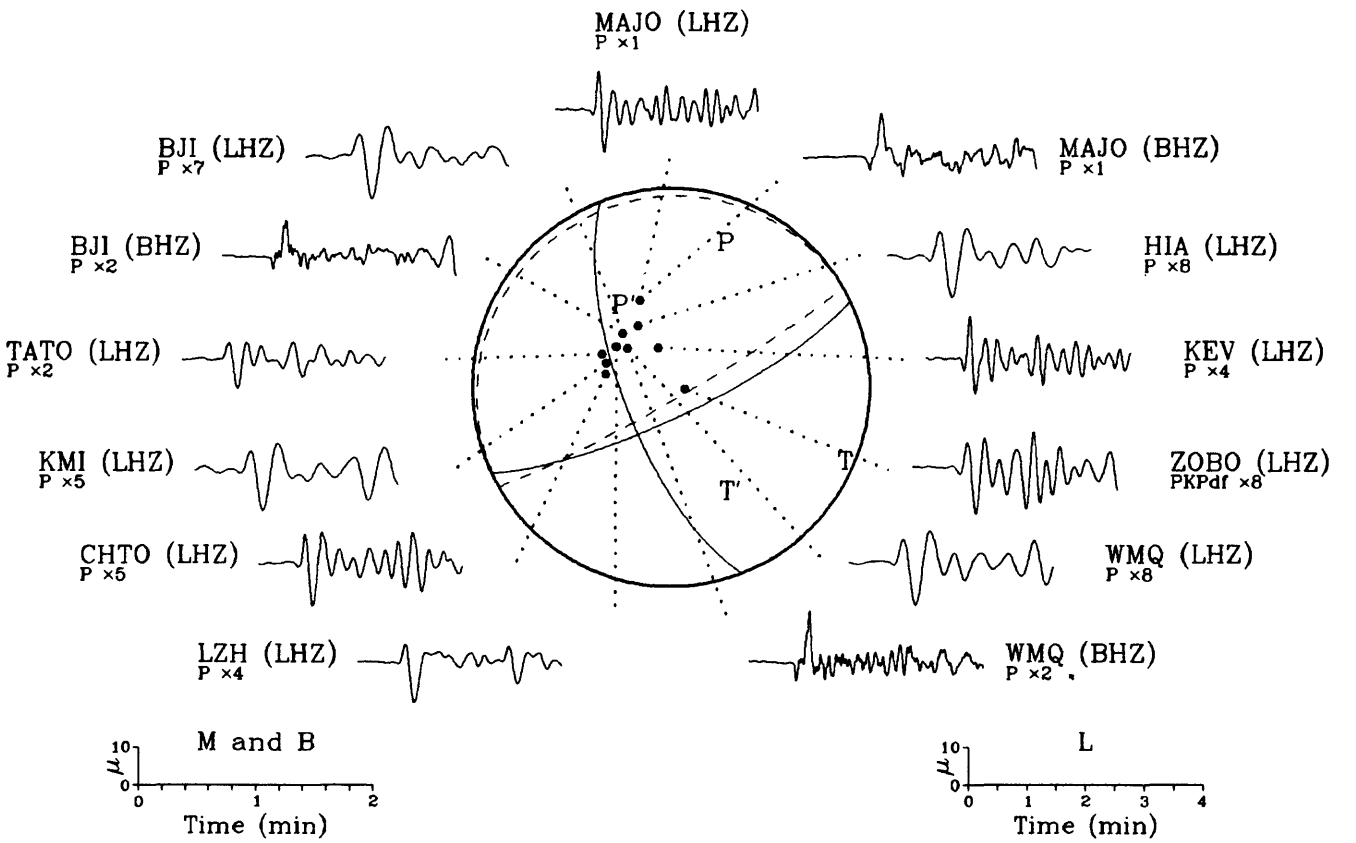
03 April 1990 22:57:00.92
Near Coast of Nicaragua



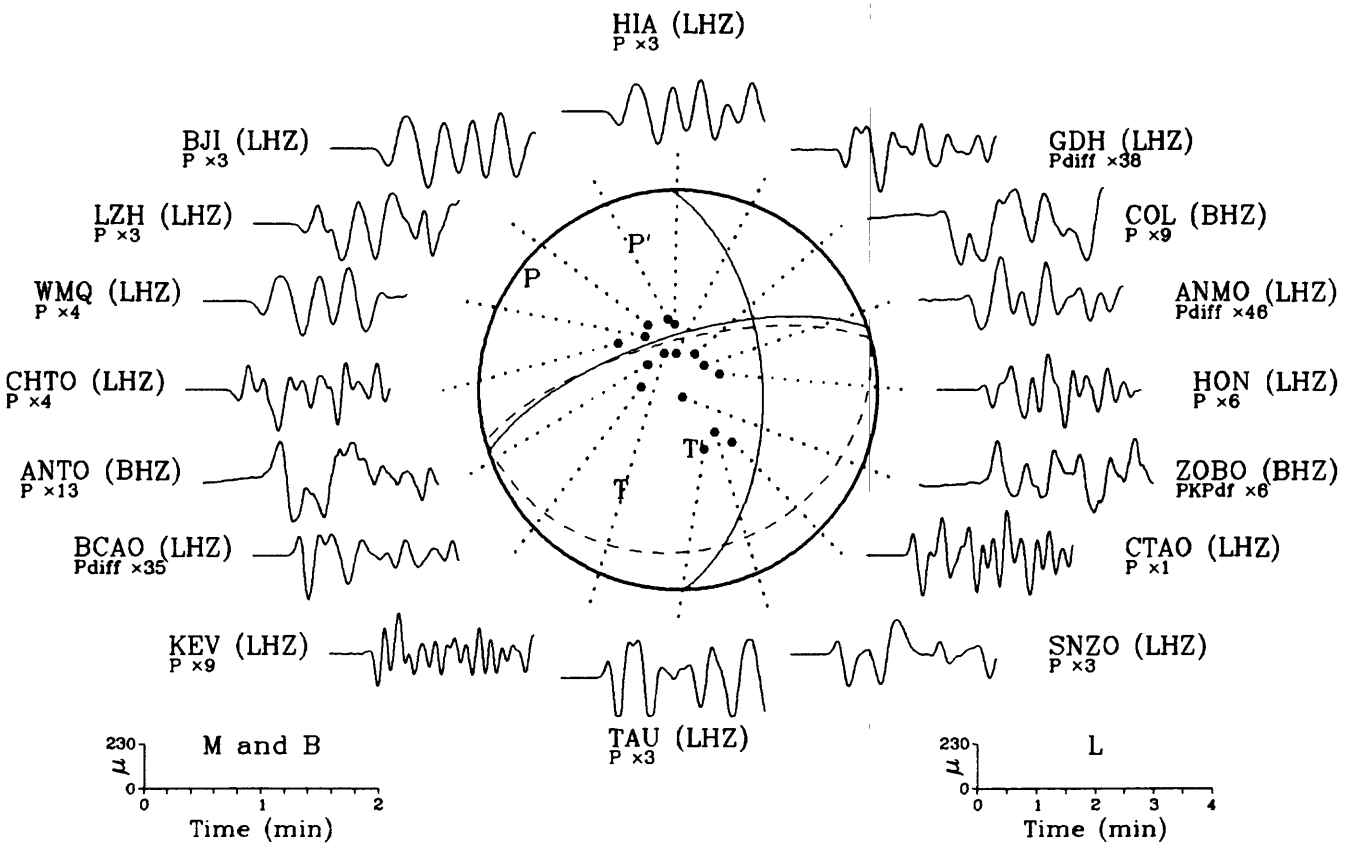
05 April 1990 21:12:35.55
Mariana Islands Region



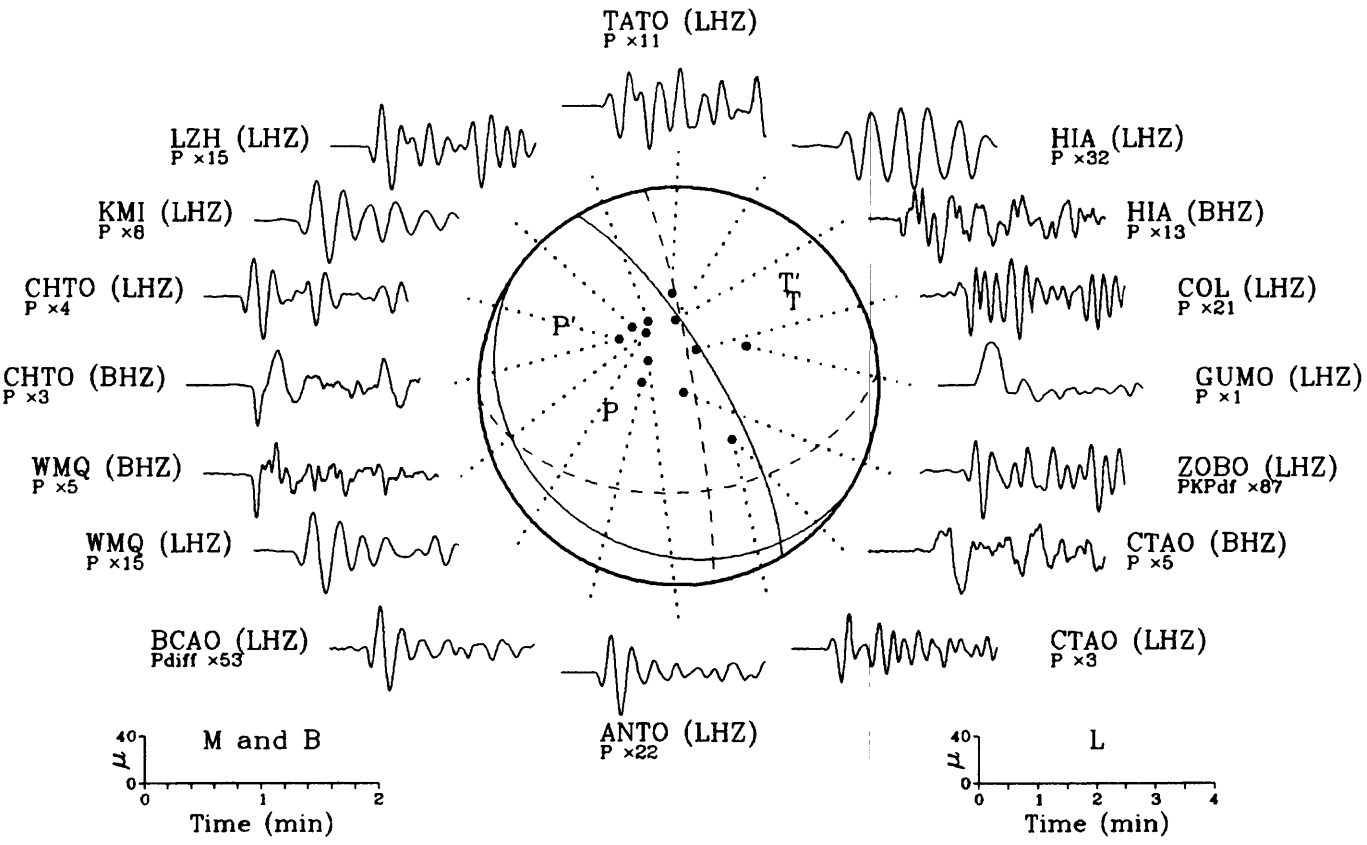
06 April 1990 14:57:20.10
Mariana Islands Region



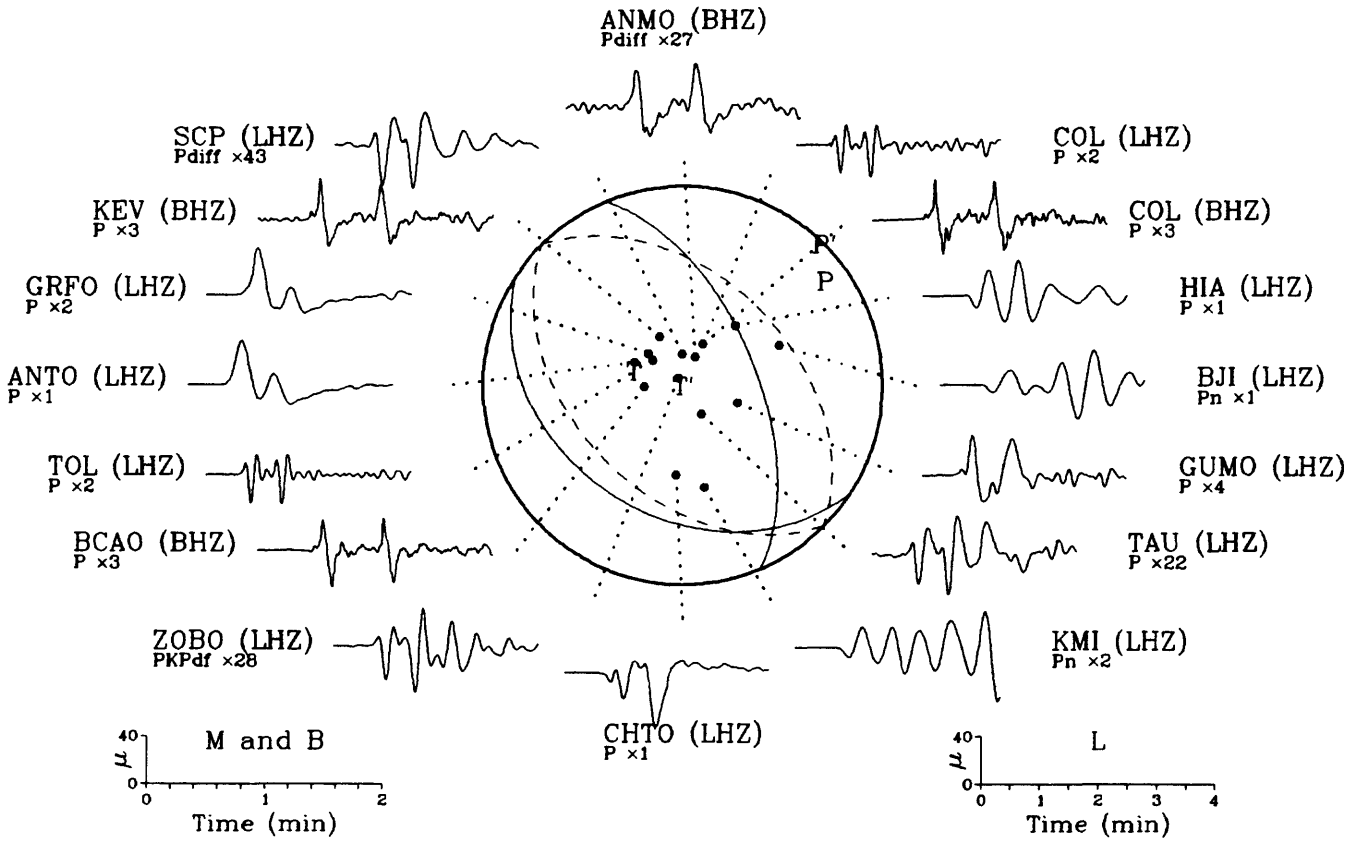
18 April 1990 13:39:19.01
Minahassa Peninsula



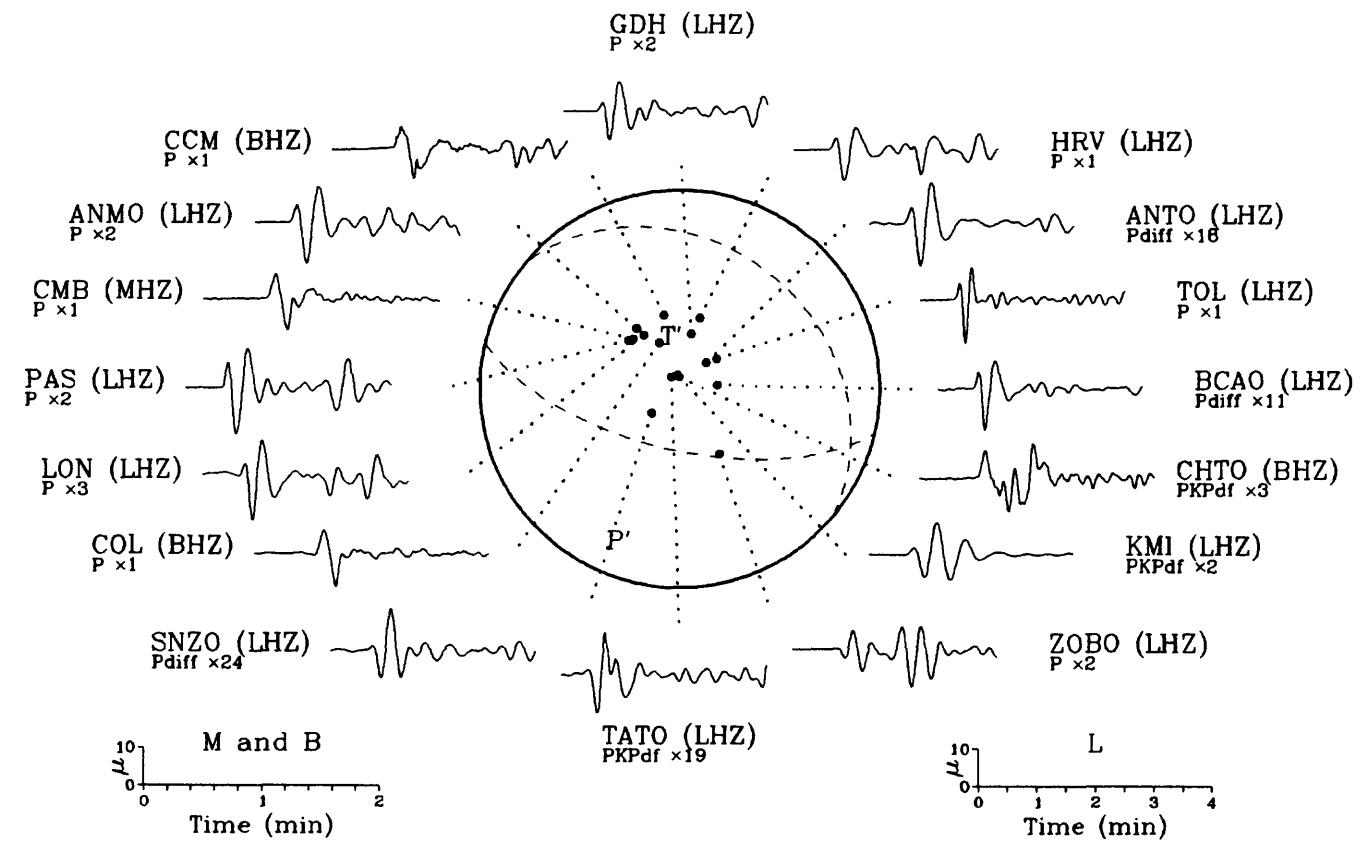
19 April 1990 12:40:38.69
Minahassa Peninsula



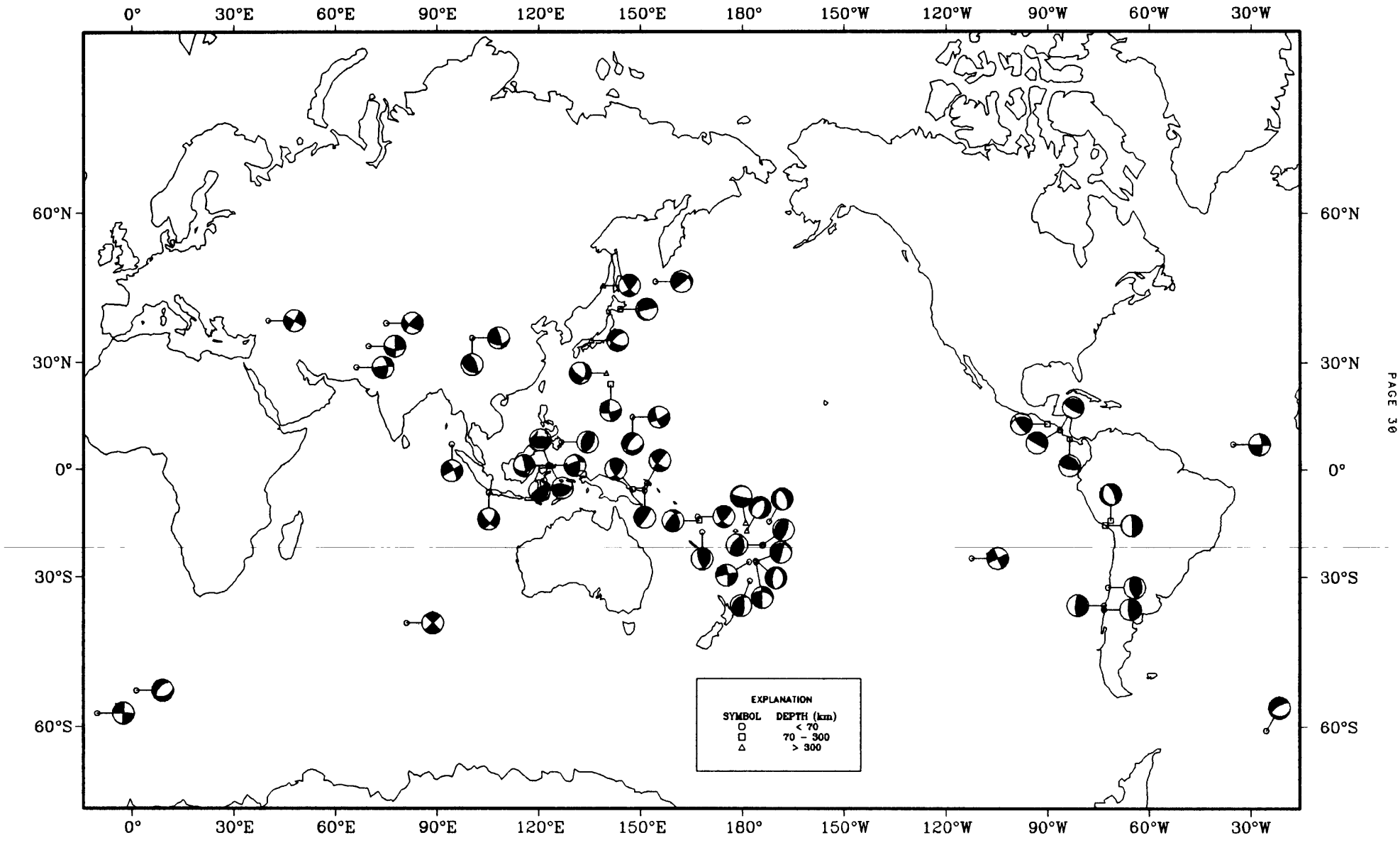
26 April 1990 09:37:15.04
Qinghai Province, China

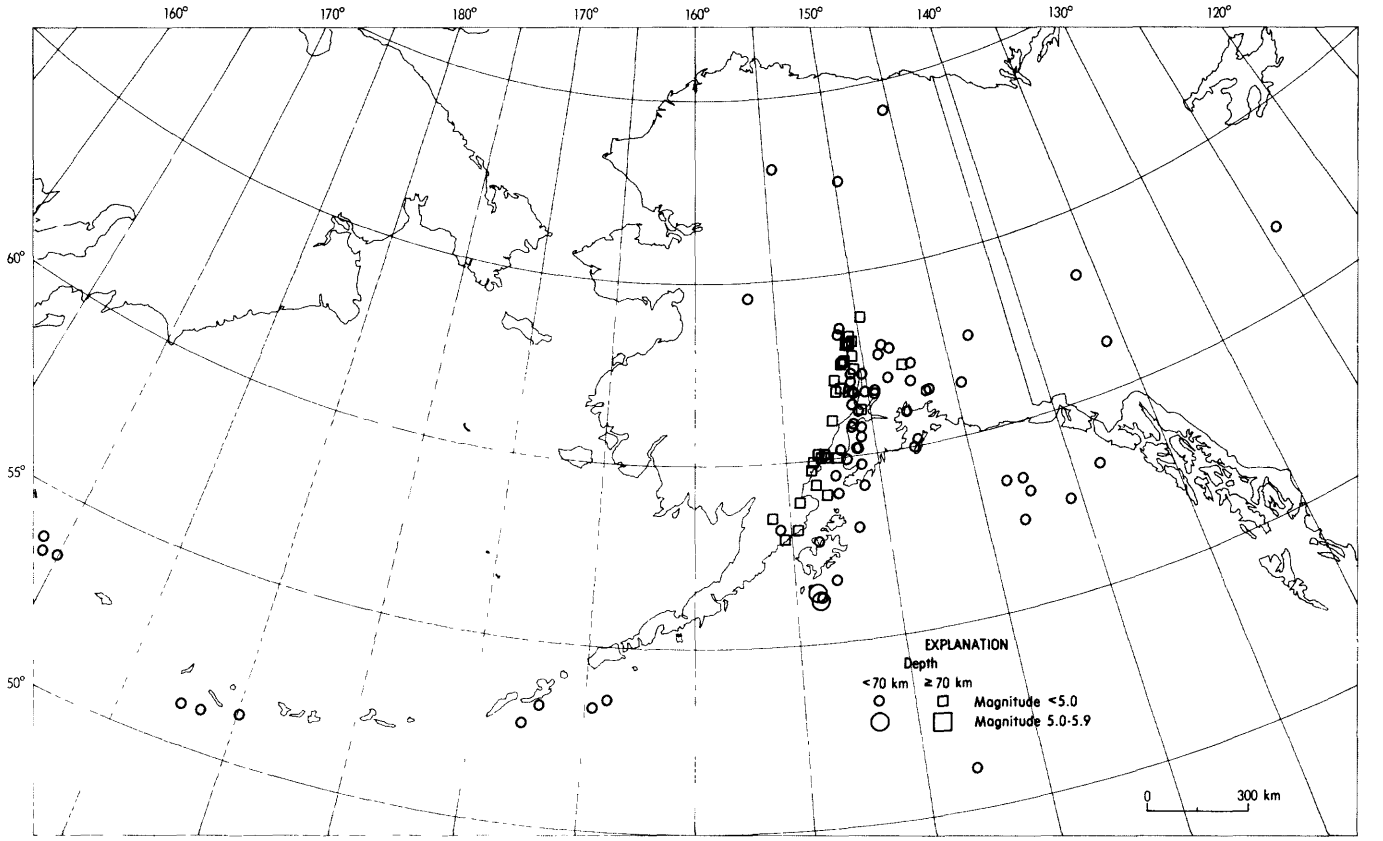


28 April 1990 01:23:11.51
Costa Rica

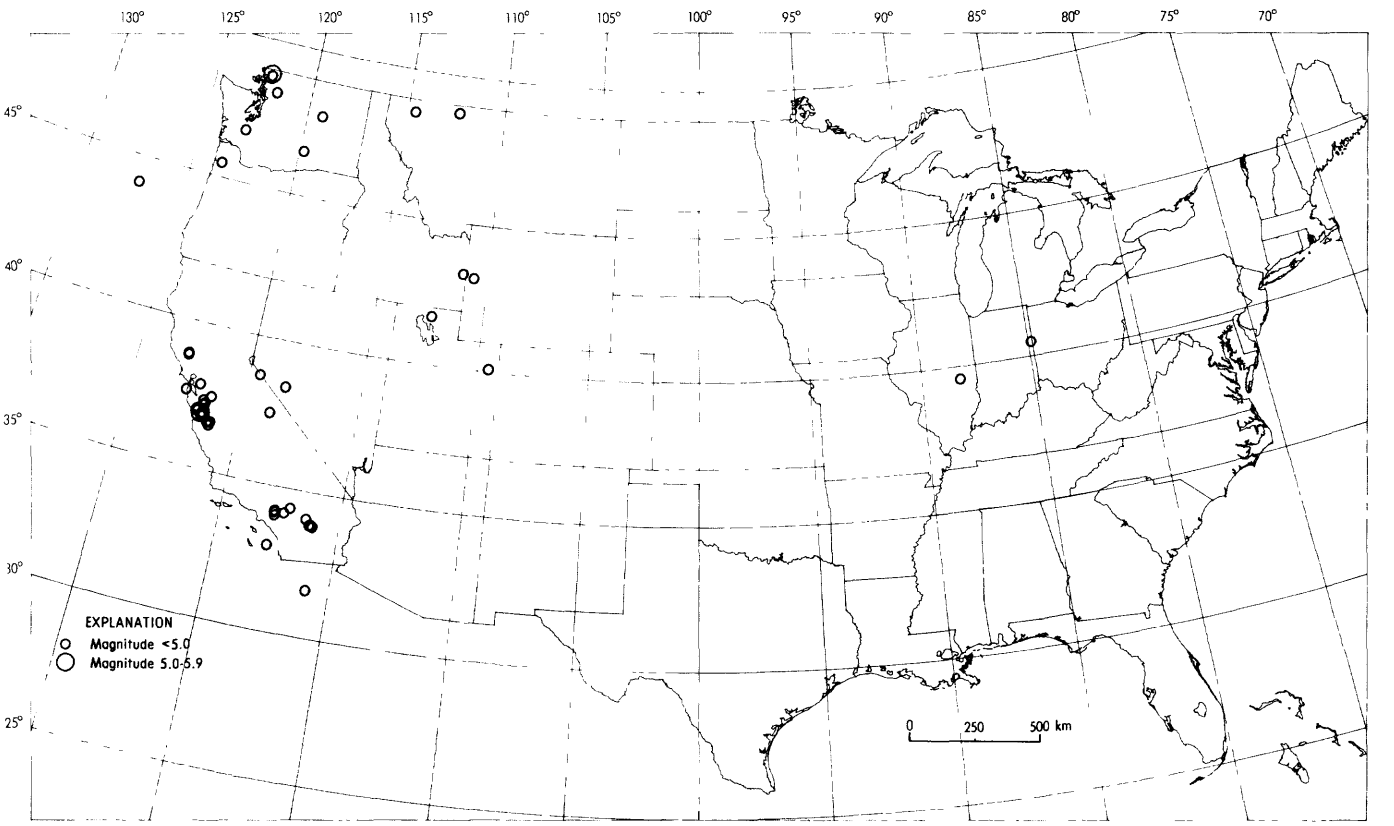


Earthquake Focal Mechanisms for April 1990

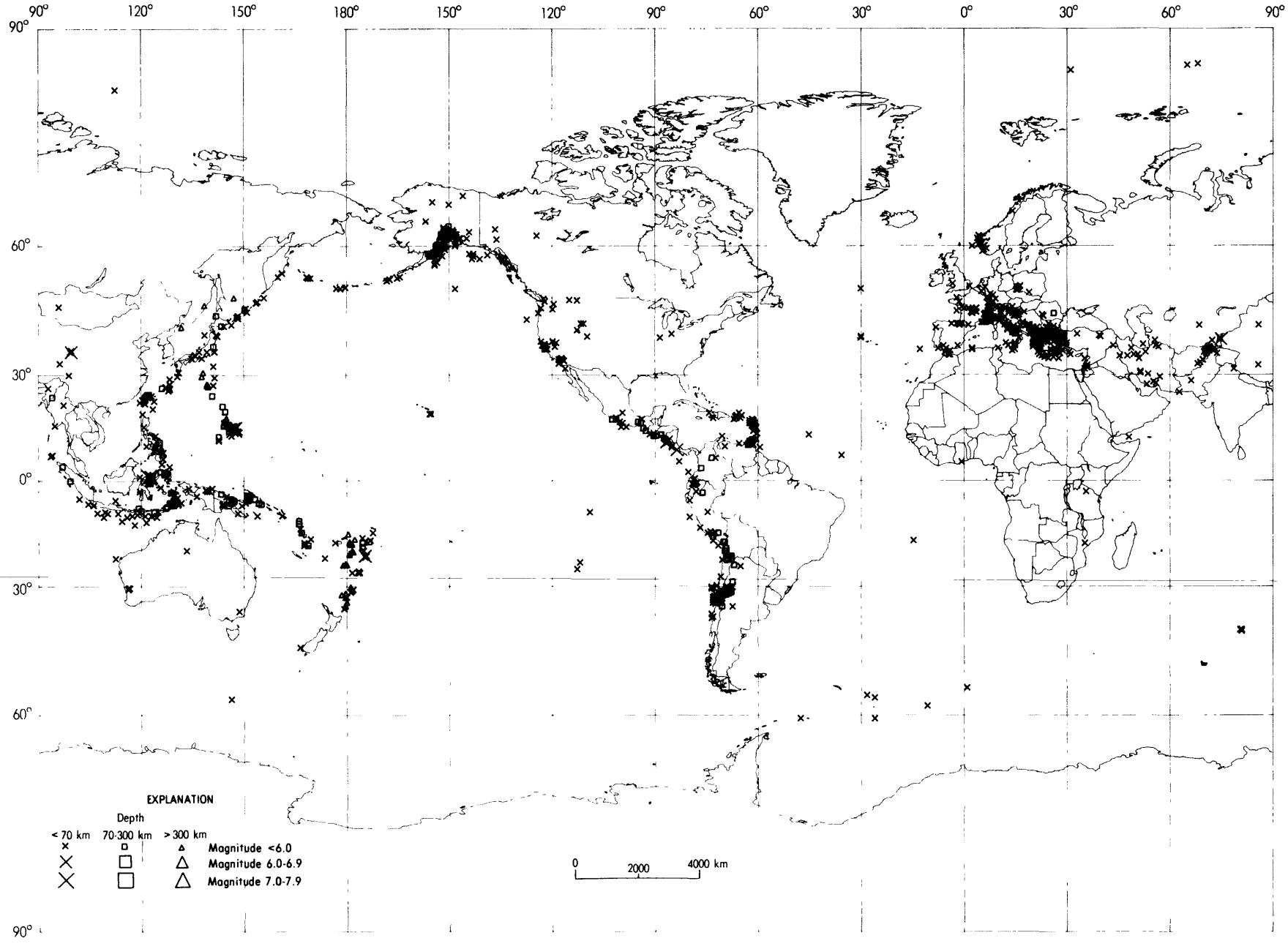




Earthquake epicenters in Alaska and adjacent regions for April, 1990 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for April, 1990 (C. Stover).



Earthquakes located in April, 1990 (C. Stover).

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

MAY 1990

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	07	02.6?	50.99	N	169.47	W	33	N	4.8		1.1	11	ALEUTIAN ISLANDS REGION
	01	00	08	28.5?	54.88	S	129.54	W	10	G	5.2	5.1	0.8	12	SOUTH PACIFIC CORDILLERA
	01	01	12	33.7*	36.257	N	27.186	E	10	G			1.2	8	DODECANESE ISLANDS
	01	02	08	19.9%	43.214	N	11.042	E	10	G			0.1	5	CENTRAL ITALY
	01	04	07	21.2	40.814	N	23.880	E	10	G			1.1	16	GREECE. ML 3.1 (THE), 2.7 (SKO).
	01	04	43	05.0&	38.842	N	122.805	W	2					26	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=3.1*10**14 Nm (BRK).
	01	05	26	13.8*	52.226	N	168.512	W	33	N	4.7		1.0	8	FOX ISLANDS, ALEUTIAN ISLANDS
	01	06	12	09.0?	7.78	S	129.24	E	112	?	4.5		1.5	9	BANDA SEA
	01	07	16	56.5%	42.023	N	13.143	E	10	G			0.6	6	CENTRAL ITALY
	01	08	39	23.2*	51.102	N	15.932	E	10	G			1.4	5	POLAND
	01	08	40	08.1*	51.627	N	16.708	E	10	G			0.8	6	POLAND
	01	08	41	02 6&	32.110	N	117.630	W	6	G				19	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.7 (PAS). Felt in the San Diego area, California.
	01	09	05	04.7*	14.891	N	148.910	E	33	N	4.5		1.0	14	MARIANA ISLANDS REGION
	01	09	31	26 5?	2.71	S	139.18	E	33	N	3.7		0.8	6	NEAR N. COAST OF WEST IRIAN
	01	09	37	14.2	51.235	N	15.726	E	5	G			1.0	15	POLAND ML 3.7 (VKA), 3.6 (GRF), 2.9 (KRA).
	01	09	37	44.2?	31.44	S	68.33	W	33	N			1.5	5	SAN JUAN PROVINCE, ARGENTINA
	01	09	48	01.7?	9.57	S	109.91	E	33	N	4.6		0.7	6	SOUTH OF JAVA
	01	10	01	14.1?	5.69	S	130.75	E	33	N	4.2		1.2	8	BANDA SEA
	01	10	37	11.1?	25.43	S	175.60	W	33	N	5.1		1.3	9	SOUTH OF TONGA ISLANDS
	01	10	52	16.0	40.839	N	23.897	E	10	G			0.6	16	GREECE ML 2.6 (THE), 2.5 (SKO).
o	01	11	44	34.4	14.056	N	91.690	W	41		5.0	5.4	1.2	163	GUATEMALA. Ms 5.4 (BRK), 5.0 (PAS). Felt in southwestern Guatemala and at Guatemala City.
	01	11	46	39.8	45.797	N	20.839	E	18				0.7	14	YUGOSLAVIA. MG 3.4 (BEO).
	01	14	38	03.9&	38.232	N	112.675	W	1					2	UTAH. <SLC-P>. ML 2.6 (SLC). Felt at Beaver.
	01	14	48	18.9%	46.910	N	1.584	E	10	G			0.5	9	FRANCE. ML 2.2 (LDG).
	01	14	54	31.9	40.291	N	19.905	E	5	G			1.5	21	ALBANIA. ML 3.1 (THE).
	01	15	47	38.9?	44.52	N	8.93	E	10	G			0.5	6	NORTHERN ITALY. ML 2.0 (GEN).
f	01	16	12	21.4	58.840	N	156.858	W	211	G	6.1		1.0	678	ALASKA PENINSULA. mb 6.3 (BRK), 6.3 (PAS). Mo=1.0*10**19 Nm (PPT). Felt (V) at Sterling; (IV) at Anchorage, Chiniak, Eagle River, Elemendorf Air Force Base, Kenai, King Salmon, Kodiak, Manokotak, Moose Pass, Ninilchik, Port Lions, Seward, Skwentna and Tyonek; (III) at Aniak, Chignik Lagoon, Chugiak, Clam Gulch, Egegik, Fort Richardson, Igiugig, Koliganek, McGrath, New Stuyahok, Pilot Station, Port Alsworth and Soldotna. Two events about 2.5 seconds apart. Depth from broadband displacement seismograms, based on first event.
	01	17	24	25.3&	34.610	N	120.370	W	9					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.1 (BRK). Felt (IV) at Lompoc.
	01	18	53	11.5	39.937	N	23.939	E	10	G			1.0	18	AEGEAN SEA. ML 2.7 (THE).
	01	20	14	46.5*	31.654	S	68.173	W	15				1.2	11	SAN JUAN PROVINCE, ARGENTINA
	01	20	42	39.7*	11.808	N	86.962	W	33	N	4.7		1.0	18	NEAR COAST OF NICARAGUA
	01	21	18	06.7?	29.69	S	71.05	W	209	?			1.5	12	NEAR COAST OF CENTRAL CHILE
	01	21	43	55.6?	32.64	S	177.05	E	33	N	4.0		1.1	10	NORTH OF NEW ZEALAND
	01	22	30	11.7&	60.646	N	151.034	W	46					30	KENAI PENINSULA, ALASKA. <AGS-P>.
	01	22	54	17.3*	44.234	N	8.431	E	10	G			0.6	7	NORTHERN ITALY. ML 2.3 (GEN).
a	02	01	01	24.9	49.268	N	155.624	E	95	D	5.2		0.9	235	KURIL ISLANDS
	02	01	43	14.8	1.389	N	123.351	E	33	N	4.4	4.2	0.7	10	MINAHASSA PENINSULA
	02	02	16	32.8	40.852	N	24.236	E	10	G			0.7	12	AEGEAN SEA. ML 2.4 (THE).
	02	03	28	46.6	10.457	S	110.295	E	33	N	4.5		0.8	15	SOUTH OF JAVA
	02	03	30	40.3*	32.982	S	70.004	W	33	N			1.4	9	CHILE-ARGENTINA BORDER REGION
	02	04	13	48.9*	17.212	N	94.844	W	129	*	3.4		1.3	12	CHIAPAS, MEXICO
	02	04	13	50.5*	7.079	S	129.973	E	130	*	4.8		1.3	22	BANDA SEA
a	02	04	19	40.7	0.019	N	124.252	E	103		5.3		1.1	120	MINAHASSA PENINSULA
	02	04	24	31.0?	31.46	S	67.89	W	10	G			0.5	7	SAN JUAN PROVINCE, ARGENTINA

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	02	04	59	02.4	37.666	N	14.903	E	10	G		1.0	8	SICILY
	02	05	08	01.1*	7.974	S	123.564	E	353	*	5.0	1.1	25	BANDA SEA
	02	05	40	20.0&	62.113	N	150.314	W	8				28	CENTRAL ALASKA. <AGS-P>.
	02	06	39	55.0?	4.24	S	103.05	E	33	N	4.4	0.6	7	SOUTHERN SUMATERA
	02	06	39	57.7	17.529	N	61.826	W	33	N		0.3	9	LEEWARD ISLANDS. ML 3.4 (FDF). MD 3.4 (TRN).
	02	06	50	43.4*	42.616	N	146.648	E	33	N	4.5	1.0	21	OFF COAST OF HOKKAIDO, JAPAN
	02	07	19	10.4-	37.837	N	20.623	E	10	G		1.0	5	IONIAN SEA
	02	07	35	15.4*	35.850	N	72.072	E	33	N	4.2	1.3	8	PAKISTAN
	02	07	52	44.5*	39.982	N	142.513	E	33	N	4.0	1.2	8	NEAR EAST COAST OF HONSHU, JAPAN
	02	07	55	41.8%	41.064	N	14.559	E	10	G		1.2	5	SOUTHERN ITALY
	02	08	13	09.1	38.967	N	23.378	E	10	G		0.9	8	GREECE. ML 2.9 (ATH).
	02	08	16	51.4%	40.237	N	21.490	E	10	G		1.5	5	GREECE
	02	08	35	52.3?	47.53	N	2.89	W	10	G		0.3	9	FRANCE. ML 3.4 (LDG).
	02	09	16	07.7	15.976	N	147.395	E	33	N	4.8	0.7	54	MARIANA ISLANDS REGION
	02	10	21	49.3&	38.733	N	111.523	W	0				4	UTAH. <SLC-P>. ML 2.6 (SLC).
	02	10	43	13.8	36.416	N	71.124	E	254	D	4.6	0.9	145	AFGHANISTAN-USSR BORDER REGION. Felt (II) at Khorog and Kulyab, USSR.
	02	11	44	29.8?	38.18	N	5.06	W	10	G		0.4	4	SPAIN. mbLg 2.8 (MDD).
	02	11	59	42.1*	55.824	S	26.951	W	33	N	5.1	1.2	22	SOUTH SANDWICH ISLANDS REGION
	02	12	06	04.1	36.419	N	71.134	E	245	D	4.5	0.8	90	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog, Obigarm and Dushonbe, USSR.
	02	12	30	17.2?	9.47	S	129.09	E	186	?	4.2	0.7	6	TIMOR SEA
	02	13	42	28.3&	62.228	N	150.829	W	65				34	CENTRAL ALASKA. <AGS-P>.
	02	13	42	36.6%	41.224	N	14.863	E	10	G		0.2	5	SOUTHERN ITALY
	02	14	03	37.7	5.398	S	150.505	E	142	D	5.0	0.9	87	NEW BRITAIN REGION
	02	14	17	25.7%	57.401	N	6.131	E	10	G		0.9	6	NORTH SEA. MD 2.3 (BER).
	02	14	22	40.7?	51.88	N	179.67	E	33	N	4.1	1.3	7	RAT ISLANDS, ALEUTIAN ISLANDS. ML 3.3 (PMR). Felt on Amchitka.
	02	15	33	28.5?	6.33	S	130.49	E	94	?	3.9	1.1	11	BANDA SEA
	02	16	40	25.7	36.469	N	4.483	W	102		4.0	0.7	52	STRAIT OF GIBRALTAR. mbLg 4.2 (MDD). Felt (III) in the Malaga area, Spain.
	02	17	24	23.3*	38.157	N	69.909	E	33	N	4.0	0.7	5	TAJIK SSR
	02	17	50	48.8	22.430	N	120.996	E	26		4.3	1.4	25	TAIWAN
	02	18	07	16.7?	33.69	S	178.88	E	170	?	4.9	1.3	11	SOUTH OF KERMADEC ISLANDS
	02	18	44	59.5?	19.00	S	172.88	W	33	N	4.9	0.9	8	TONGA ISLANDS REGION
	02	18	50	25.6	14.994	S	71.939	W	138		4.5	0.9	26	PERU
	02	19	03	46.1?	15.60	S	74.93	W	10	G		1.0	6	NEAR COAST OF PERU
	02	19	29	37.4%	40.883	N	14.450	E	10	G		0.5	5	SOUTHERN ITALY
	02	19	57	08.1	30.412	N	138.677	E	419	*	4.5	0.5	33	SOUTH OF HONSHU, JAPAN
	02	20	24	01.5*	36.886	N	29.892	E	10	G		0.3	5	TURKEY
	02	20	34	03.1?	46.83	N	154.25	E	33	N	4.8	1.5	41	KURIL ISLANDS REGION
	02	21	15	02.4*	54.068	N	159.587	E	33	N	4.5	0.9	31	NEAR EAST COAST OF KAMCHATKA
	02	22	03	01.0%	41.199	N	14.869	E	10	G		0.5	6	SOUTHERN ITALY
	02	22	46	24.2%	40.610	N	27.201	E	10	G		1.2	6	TURKEY
f	02	22	50	29.5	5.604	S	150.164	E	82	G	6.2	1 0	348	NEW BRITAIN REGION. Ms 5.7 (BRK). Mo=6.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
	03	00	00	34.7*	5.607	S	150.345	E	134	*	4.4	1.5	10	NEW BRITAIN REGION
	03	00	11	40.3?	4.98	S	150.34	E	33	N	5.0	1.2	8	NEW BRITAIN REGION
	03	00	59	47.7*	6.309	S	143.039	E	33	N	4.6	0.5	6	PAPUA NEW GUINEA. ML 4.8 (PMG).
	03	00	59	52.0*	5.519	S	150.257	E	117	*	4.8	0.6	11	NEW BRITAIN REGION
	03	01	03	37.8	43.315	N	19.890	E	5	G	4.1	1.1	123	YUGOSLAVIA. ML 4.3 (THE), 4.2 (ROM), 4.0 (TTG). Felt (VI) in the Sjenico area and (V) in the Trstenik-Nova Varos-Kraljevo area.
	03	03	17	58.6?	37.33	N	30.64	E	10	G		1 2	5	TURKEY
	03	03	49	14.6?	52.34	N	171.51	E	33	N	3.8	1.4	7	NEAR ISLANDS, ALEUTIAN ISLANDS
	03	04	22	52.0	5.655	S	150.374	E	119	*	4.7	1.3	30	NEW BRITAIN REGION
	03	04	40	57.2?	12.27	S	77.15	W	33	N		0.9	6	NEAR COAST OF PERU
	03	04	57	58.0	41.166	N	14.752	E	11			1.2	35	SOUTHERN ITALY. ML 3.0 (VIE), 2.9 (ROM).
	03	05	14	37.0%	41.198	N	14.837	E	10	G		0.5	9	SOUTHERN ITALY
	03	05	20	22.2%	18.336	N	99.495	W	5	G		0.6	6	GUERRERO, MEXICO
	03	05	20	47.3%	41.304	N	15.019	E	10	G		0.5	6	SOUTHERN ITALY
	03	05	31	42.7	1.328	N	123.157	E	37	*	4.6 4.5	1.0	29	MINAHASSA PENINSULA
	03	05	52	22.2&	38.733	N	111.515	W	1				3	UTAH. <SLC-P>. CL 2.7 (SLC).
	03	06	33	44.6	53.996	N	35.246	W	16	D	4.4	1.0	26	NORTH ATLANTIC OCEAN
	03	06	57	12.3%	41.299	N	14.994	E	10	G		1.4	5	SOUTHERN ITALY
	03	07	03	27.5	40.317	N	22.018	E	10	G		0.8	9	GREECE. ML 2.6 (THE).
	03	07	22	32.8	40.305	N	22.069	E	10	G		0.9	27	GREECE. ML 3.3 (THE), 2.8 (SKO).
	03	07	23	00.5%	41.257	N	14.968	E	10	G		0.7	7	SOUTHERN ITALY
a	03	07	45	43.0	36.439	N	140.510	E	64		5.4	0.9	269	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) at Mito; (III JMA) at Takya, Choshi, Onahama and Utsunomiya; (II JMA) at Chiba and Yokahama.
	03	08	05	32.0*	15.645	S	72.067	W	33	N	4.5	1.3	9	SOUTHERN PERU. Felt (II) at Arequipa.
	03	08	40	19.3&	60.039	N	152.881	W	106				33	SOUTHERN ALASKA. <AGS-P>.
	03	08	57	28.5%	41.242	N	14.935	E	10	G		0.5	5	SOUTHERN ITALY
	03	09	06	17.5?	43.11	N	0.61	W	5	G		0.2	4	PYRENEES. MD 1.0 (STR).
	03	09	33	23.0?	40.63	N	27.42	E	10	G		0.2	4	TURKEY
	03	10	02	22.2	42.790	N	76.880	E	33	N	4.7	1.0	52	ALMA-ATA REGION. Felt (V) 35 km south of Alma-Ata and (IV) at Alma-Ata.
	03	10	04	52.6?	45.67	N	7.67	E	10	G		0.9	4	NORTHERN ITALY. ML 2.4 (GEN).
	03	10	28	06.8*	14.157	N	61.122	W	33	N		0.1	5	WINDWARD ISLANDS. ML 2.2 (FDF).
	03	10	44	23.0%	41.246	N	14.928	E	10	G		1.0	5	SOUTHERN ITALY
	03	11	11	53.3*	50.999	N	15.786	E	5	G		1.0	6	CZECHOSLOVAKIA. ML 2.9 (KRA).
	03	11	30	03.8?	60.92	N	1.75	E	10	G		0.4	6	NORTH SEA. MD 2.0 (BER).
	03	11	53	00.6%	11.060	N	61.757	W	10	G		0.4	5	WINDWARD ISLANDS. MD 3.2 (TRN).
	03	12	59	15.3%	44.302	N	8.013	E	10	G		0.7	5	NORTHERN ITALY. ML 2.1 (GEN).
	03	13	11	31.1*	5.897	S	147.692	E	109	*	4.3	1.2	16	EAST PAPUA NEW GUINEA REGION
	03	13	16	42.6%	39.290	N	29.415	E	10	G		0.4	5	TURKEY
	03	13	25	28.0?	11.72	S	78.24	W	10	G		1.5	7	OFF COAST OF PERU. Felt (III) at Lima.
	03	14	02	37.6?	59.01	N	5.93	E	10	G		0.2	4	SOUTHERN NORWAY. MD 1.3 (BER).
	03	14	26	45.4*	17.078	N	62.585	W	33	N		0.8	5	LEEWARD ISLANDS
	03	17	54	56.6%	47.251	N	0.836	W	10	G		1.2	10	FRANCE. ML 3.0 (LDG).
	03	17	56	20.6	38.939	N	22.043	E	13			0.8	20	GREECE. ML 3.1 (THE).
	03	18	41	13.4?	37.56	N	15.90	E	33	N		0.2	5	SICILY

	03	19	14	26.0	0.439	S	132.820	E	23	D	5.2	4.3	1 2	64	WEST IRIAN REGION
	03	19	21	12.3?	15.07	N	60.53	W	33	N			0 3	6	LEEWARD ISLANDS. ML 2.8 (FDF).
	03	19	54	29.1*	15.616	N	147.854	E	33	N	3.6		0.4	6	MARIANA ISLANDS REGION
	03	20	15	25.9&	59.992	N	152.731	W	100					25	SOUTHERN ALASKA. <AGS-P>.
	03	20	19	21.5?	31.76	S	66.81	W	129	?			0.7	12	LA RIOJA PROVINCE, ARGENTINA
	03	20	19	49.0&	38.176	N	112.606	W	16					3	UTAH. <SLC-P>. CL 3.0 (SLC).
	03	20	24	35.5%	39.236	N	23.520	E	10	G			1.0	9	AEGEAN SEA. ML 2.2 (THE).
	03	21	05	15.6	39.599	N	38.447	E	10	G	4.6	3.9	1.2	144	TURKEY. Felt at Elazig.
	03	21	31	13.3*	42.175	N	19.630	E	10	G			0.4	5	YUGOSLAVIA. ML 2.3 (TTG).
	03	22	10	29.5%	41.175	N	14.797	E	10	G			0.3	5	SOUTHERN ITALY
	03	22	13	27.1%	41.242	N	14.881	E	10	G			0.8	5	SOUTHERN ITALY
	03	22	25	38.7*	34.517	N	120.523	W	5	G			0.4	8	SOUTHERN CALIFORNIA. ML 2.5 (BRK).
	03	22	34	06.4%	41.165	N	14.766	E	10	G			0.5	5	SOUTHERN ITALY
	03	22	39	50.8	24.674	N	122.521	E	33	N	4.4		0.9	10	TAIWAN REGION
	03	23	14	50.5%	41.219	N	14.846	E	10	G			0.6	5	SOUTHERN ITALY
	04	00	19	33.3	43.073	N	0.651	W	10	G			1.0	10	PYRENEES. MD 1.0 (STR).
	04	00	37	55.6%	41.173	N	14.855	E	10	G			0.4	5	SOUTHERN ITALY
	04	01	22	29.0*	39.621	N	70.607	E	33	N	4.1		1.4	9	TAJIK SSR. Felt (V) at Dushanbe.
	04	02	00	01.0?	85.31	N	91.04	E	10	G	4.0		1.4	9	NORTH OF SEVERNAYA ZEMLYA
	04	02	09	50.1*	50.696	N	5.701	E	10	G			1.2	8	BELGIUM. ML 2.7 (LDG).
	04	02	59	23.8	1.481	N	123.585	E	30	?	5.0	4.4	0.9	39	MINAHASSA PENINSULA
	04	04	00	45.3*	38.805	N	31.297	E	10	G			1.4	11	TURKEY
	04	04	03	08.0&	39.527	N	111.101	W	1					3	UTAH. <SLC-P>. CL 3.0 (SLC).
	04	04	17	26.6?	17.36	S	72.64	W	33	N	4.4		1.7	5	NEAR COAST OF PERU. Felt (II) at Arequipa.
	04	04	28	49.2?	12.06	N	92.59	E	33	N	4.1		1.5	8	ANDAMAN ISLANDS REGION
	04	05	51	21.9%	1.083	S	78.298	W	33	N			1.2	6	ECUADOR
	04	06	57	41.8	38.926	N	15.806	E	106		3.5		0.9	57	SICILY
	04	07	09	58.4&	60.907	N	150.732	W	40					48	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.5 (PMR).
	04	07	26	59.6	38.485	N	20.351	E	53		4.3		1.2	90	GREECE. MD 4.0 (THE), 3.9 (ATH).
	04	08	44	15.1%	39.255	N	27.732	E	10	G			1.2	5	TURKEY
	04	09	39	10.3	39.302	N	23.229	E	10	G	3.7		1.3	29	AEGEAN SEA. ML 3.5 (THE), 3.4 (ATH).
	04	10	12	06.8	11.754	N	40.964	E	10		5.0	4.8	1.1	138	ETHIOPIA. ML 5.2 (AAE). Felt strongly at Dubti.
	04	10	15	14.6?	50.94	N	1.80	E	10	G			0.3	11	FRANCE. ML 3.1 (LDG).
	04	10	15	33.0*	39.258	N	23.076	E	10	G			0.6	5	AEGEAN SEA
	04	11	29	03.7&	58.115	N	154.174	W	79		4.1			55	ALASKA PENINSULA. <AGS-P>.
	04	12	18	28.7%	42.464	N	7.000	W	10	G			1.1	5	SPAIN. mbLg 2.8 (MDD).
	04	12	34	00.6%	38.885	N	29.176	E	10	G			1.4	8	TURKEY
	04	13	13	34.5&	65.026	N	148.650	W	22					4	ALASKA. <AGS-P>.
	04	13	52	22.3	42.126	N	24.541	E	10	G			1.2	9	BULGARIA
	04	14	49	37.6?	37.33	N	70.97	E	33	N	4.3		0.3	6	AFGHANISTAN-USSR BORDER REGION
	04	14	53	54.8	43.351	N	17.309	E	10	G			0.7	7	YUGOSLAVIA. ML 2.5 (TTG).
	04	15	32	52.9?	44.34	N	8.13	E	10	G			0.2	4	NORTHERN ITALY. ML 1.9 (GEN).
	04	17	31	39.2*	20.159	N	121.984	E	130	*	4.8		0.8	12	PHILIPPINE ISLANDS REGION
	04	17	58	37.2*	30.739	S	69.072	W	10	G			0.9	8	CHILE-ARGENTINA BORDER REGION
	04	18	24	12.8*	23 910	N	123.880	E	10	G	4.6	4.2	0.9	11	SOUTHWESTERN RYUKYU ISLANDS
	04	18	45	35.7%	44.327	N	8.255	E	10	G			0.3	5	NORTHERN ITALY. ML 2.0 (GEN).
	04	18	54	04.7&	61 500	N	149.727	W	32					24	SOUTHERN ALASKA. <AGS-P>.
	04	20	06	02 9	30.908	S	69.030	W	10	G			1.2	14	CHILE-ARGENTINA BORDER REGION
	04	21	00	50.4*	36.797	N	6.453	W	10	G			1.2	26	STRAIT OF GIBRALTAR. mbLg 3.4 (MDD). ML 3.2 (LDG).
	04	22	00	59.0*	6.887	N	72.877	W	157		4.4		0.8	15	NORTHERN COLOMBIA
	04	22	01	48.3	40.320	N	25.801	E	10	G			0.8	24	AEGEAN SEA. ML 4.0 (ATH), 3.3 (THE).
	04	22	21	54.3*	22.198	N	122.237	E	17	*	3.7		1.1	13	TAIWAN REGION
	04	23	10	00.1%	41.184	N	14.844	E	10	G			0.2	5	SOUTHERN ITALY
	04	23	10	43.8%	41.214	N	14.880	E	10	G			1.2	5	SOUTHERN ITALY
	04	23	22	40.3*	40.845	N	73.427	E	33	N	4.2		1.4	11	KIRGHIZ SSR. Felt (V) in the Kok-Yangak area and (IV) at Fergana.
	04	23	44	52.6*	23.016	S	68.798	W	105		4.7		1.2	22	NORTHERN CHILE
	04	23	56	11.2%	41.189	N	14.786	E	10	G			0.8	5	SOUTHERN ITALY
	05	00	05	00.0?	36.18	N	25.99	E	156	G			0.8	4	DODECANESE ISLANDS
	05	00	50	31.4	44.531	N	10.210	E	21				1.1	37	NORTHERN ITALY. ML 2.9 (LDG), 2.7 (KBA).
	05	01	26	20.1	18.284	S	177.973	W	524	*	5.0		0.9	128	FIJI ISLANDS REGION
	05	01	42	04.6&	60.787	N	152.165	W	121					33	SOUTHERN ALASKA. <AGS-P>.
	05	01	42	40.7%	41.213	N	14.848	E	10	G			0.8	5	SOUTHERN ITALY
	05	02	37	52.2	45.501	N	104.307	E	33	N	4.6	4.3	1.3	30	MONGOLIA
	05	02	39	48.6*	43.612	N	126.371	W	10	G	2.4		0.5	44	OFF COAST OF OREGON
	05	02	44	43.0	47.668	N	7.470	E	10	G			0.1	8	SWITZERLAND. ML 2.0 (LDG). MD 2.0 (STR).
	05	04	22	25.7?	16.00	N	94.01	W	154	?			1.4	5	OAXACA, MEXICO
	05	05	46	12.5*	51.480	N	159.336	E	33	N	4.8		1.0	49	OFF EAST COAST OF KAMCHATKA
	05	05	51	51.9?	51.62	N	158.64	E	33	N	4.6		1.3	19	NEAR EAST COAST OF KAMCHATKA
	05	05	54	43.4*	51.649	N	159.138	E	33	N	4.7		1.2	36	OFF EAST COAST OF KAMCHATKA
	05	06	11	13.7%	40.744	N	15.762	E	10	G			1.2	8	SOUTHERN ITALY
	05	06	14	02.6*	13.778	N	120.723	E	140	*	4.3		0.7	14	MINDORO, PHILIPPINE ISLANDS
	05	07	21	18.0	40.744	N	15.853	E	13		4.6		1.3	293	SOUTHERN ITALY. Foreshock.
a	05	07	21	29.5	40.775	N	15.766	E	10	G	5.3	5.4	1.4	110	SOUTHERN ITALY. MD 5.6 (TTG), 5.5 (TRI), 5.4 (STR). ML 5.3 (LJU), 5.2 (THE). Two people died from heart attacks, 16 injured and damage (VII) in the Potenza area. Felt strongly in many parts of southern Italy. Also felt along the coast of Montenegro, Yugoslavia.
	05	07	27	29.2%	40.744	N	15.766	E	10	G			1.4	5	SOUTHERN ITALY
	05	07	33	57.5	40.648	N	15.765	E	10	G			1.1	17	SOUTHERN ITALY
	05	07	34	32.3*	0.018	N	123.566	E	213	*	4.8		1.3	28	MINAHASSA PENINSULA
	05	07	38	12.3	40.750	N	15.814	E	15		4.5		1.3	162	SOUTHERN ITALY. MD 5.0 (TRI). ML 4.7 (THE), 4.5 (TTG), 4.4 (LDG), 3.9 (LJU). Felt in the Potenza area.
	05	07	51	23.3%	40.650	N	15.758	E	10	G			0.6	8	SOUTHERN ITALY
	05	07	59	33.4	40.719	N	15.822	E	10	G	3.4		1.2	43	SOUTHERN ITALY. ML 2.8 (LJU). Felt at Potenza.
	05	08	03	48.0	40.731	N	15.927	E	8				1.2	40	SOUTHERN ITALY. ML 3.3 (ROM), 2.6 (LJU). Felt at Potenza.
	05	08	09	28.5*	5.653	N	61.491	E	10	G	4.6		1.2	14	CARLSBERG RIDGE
	05	08	24	02.6%	40.664	N	15.765	E	10	G			0.9	8	SOUTHERN ITALY
	05	08	26	03.8%	40.669	N	15.755	E	10	G			1.3	7	SOUTHERN ITALY
	05	08	41	04.8	40.688	N	15.857	E	17	*			1.4	15	SOUTHERN ITALY
	05	08	45	55.1%	40.436	N	15.479	E	10	G			1.1	6	SOUTHERN ITALY
	05	08	58	46.0	40.708	N	15.723	E	10	G			1.3	31	SOUTHERN ITALY. ML 3.2 (ROM), 2.8 (LJU). Felt in the

														Potenza area.
	05	09	03	56.5%	40.649	N	15.788	E	10	G		1.3	7	SOUTHERN ITALY
	05	09	21	23.7%	40.546	N	15.682	E	10	G		1.2	7	SOUTHERN ITALY
	05	09	41	54.6	1.164	N	123.577	E	33	N	4.6	0.9	31	MINAHASSA PENINSULA
	05	10	03	05.9%	40.665	N	15.793	E	10	G		0.9	9	SOUTHERN ITALY
	05	10	40	59.6?	15.49	S	72.79	W	97	?	3.2	1.0	5	SOUTHERN PERU
	05	11	09	00.6%	40.762	N	14.291	E	10	G		1.0	5	SOUTHERN ITALY
	05	11	09	40.0%	40.847	N	14.259	E	10	G		1.1	5	SOUTHERN ITALY
	05	12	17	33.7	40.620	N	15.791	E	10	G		1.2	11	SOUTHERN ITALY
	05	12	36	03.1	42.551	N	24.155	E	5	G		1.3	15	BULGARIA ML 2.9 (THE).
	05	13	12	45.9%	40.587	N	15.825	E	10	G		0.6	5	SOUTHERN ITALY
	05	13	15	17.2%	40.604	N	15.850	E	10	G		0.5	5	SOUTHERN ITALY
	05	13	19	07.7?	38.94	N	22.46	E	10	G		0.9	5	GREECE
	05	13	35	35.0	40.687	N	15.795	E	10	G		1.1	10	SOUTHERN ITALY
	05	13	49	26.1	45.658	N	104.451	E	33	N	4.8	1.3	62	MONGOLIA
	05	13	52	58.9	40.885	N	22.963	E	10	G		0.4	9	GREECE. ML 2.6 (THE).
	05	14	11	18.9	1.115	N	123.658	E	28	D	4.9	1.3	25	MINAHASSA PENINSULA
	05	14	25	45.6?	30.49	S	67.79	W	10	G		0.3	5	SAN JUAN PROVINCE, ARGENTINA
	05	14	45	56.9&	37.838	N	121.980	W	3				12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). Mo=9.8*10**13 Nm (BRK).
	05	15	15	25.0%	40.659	N	15.840	E	10	G		0.7	10	SOUTHERN ITALY
	05	15	43	09.5	24.263	S	179.657	W	484	?	4.9	1.2	54	SOUTH OF FIJI ISLANDS
	05	16	26	22.8&	34.449	N	106.878	W	7				21	NEW MEXICO. <SNM>. MD 3.6 (SNM). Felt at Abeytas, Bernardo and Polvadera.
	05	16	37	14.9%	43.636	N	7.030	E	10	G		0.6	7	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG).
	05	16	40	40.9*	39.259	N	23.144	E	10	G		0.8	12	AEGEAN SEA. ML 2.8 (THE).
	05	16	51	46.9?	40.92	N	14.43	E	30	?		0.6	5	SOUTHERN ITALY
	05	17	10	10.5*	2.716	S	79.657	W	29	*	4.8	1.3	24	NEAR COAST OF ECUADOR. Felt (III) at Guayaquil.
	05	17	18	57.9	15.913	N	54.178	E	10	G	4.7 3.6	1.0	74	ARABIAN SEA
	05	17	41	37.7%	40.629	N	15.773	E	28	*		0.7	7	SOUTHERN ITALY
	05	18	01	43.7&	59.493	N	152.992	W	106		2.9		31	SOUTHERN ALASKA. <AGS-P>.
	05	18	45	54.5*	36.779	N	72.918	E	33	N	4.1	1.2	10	AFGHANISTAN-USSR BORDER REGION
	05	19	47	02.4	38.019	N	22.737	E	11		3.4	1.0	24	GREECE. ML 3.0 (THE), 3.0 (ATH).
	05	20	00	00.2	40.667	N	15.713	E	25			1.3	60	SOUTHERN ITALY. ML 3.5 (TTG), 2.9 (ROM), 2.5 (LJU). Felt at Potenza.
	05	20	37	06.8%	40.851	N	15.677	E	10	G		0.6	5	SOUTHERN ITALY
	05	20	40	00.6%	40.708	N	15.811	E	10	G		1.2	13	SOUTHERN ITALY
	05	20	48	56.1	36.035	N	71.674	W	10	G	3.7	0.7	28	OFF EAST COAST OF UNITED STATES
	05	20	49	09.9%	40.791	N	15.720	E	10	G		1.2	5	SOUTHERN ITALY
	05	22	08	41.3%	40.685	N	15.737	E	10	G		1.3	9	SOUTHERN ITALY
	05	22	16	18.9%	40.618	N	15.886	E	10	G		1.0	5	SOUTHERN ITALY
	05	22	36	10.4	54.141	N	35.275	W	10	G	4.3	0.8	25	NORTH ATLANTIC OCEAN
	05	22	56	05.4?	0.34	N	122.22	E	33	N	4.1	0.6	10	MINAHASSA PENINSULA
	05	23	13	56.4&	62.101	N	152.240	W	124		3.4		26	CENTRAL ALASKA. <AGS-P>.
	05	23	45	32.7	60.157	N	141.130	W	10	G	4.8 4.4	0.9	91	SOUTHEASTERN ALASKA. ML 4.7 (PMR).
	06	00	48	29.3%	40.646	N	15.719	E	10	G		0.6	7	SOUTHERN ITALY
	06	00	57	51.2&	37.862	N	122.005	W	3				15	CENTRAL CALIFORNIA. <BRK>. ML 2.4 (BRK). Mo=4.9*10**13 Nm (BRK). Felt at Alamo.
	06	00	58	51.0%	40.652	N	15.716	E	10	G		0.7	8	SOUTHERN ITALY
	06	01	37	02.7&	37.855	N	122.010	W	5				15	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=2.8*10**14 Nm (BRK). Felt at Alamo.
	06	04	00	33.5	40.694	N	15.865	E	20			1.2	38	SOUTHERN ITALY. Felt in the Potenza area.
	06	05	15	09.9%	40.658	N	15.801	E	10	G		1.4	5	SOUTHERN ITALY
	06	05	43	28.1	40.659	N	15.708	E	10	G		1.1	19	SOUTHERN ITALY. ML 2.8 (ROM). Felt at Potenza.
	06	07	41	00.3&	60.180	N	152.258	W	73		3.0		56	SOUTHERN ALASKA. <AGS-P>. Felt (IV) at Nanilchik.
	06	07	55	05.5*	16.669	S	175.247	W	33	N	4.9	0.8	20	TONGA ISLANDS
	06	07	57	28.9?	44.19	N	6.28	E	10	G		0.5	4	FRANCE. ML 1.9 (LDG).
	06	08	31	41.7	40.491	N	23.583	E	10	G		0.9	9	GREECE. ML 2.3 (THE).
	06	08	55	03.6%	39.070	N	27.589	E	10	G		0.6	5	TURKEY
	06	10	00	28.7%	39.185	N	23.264	E	10	G		0.8	5	AEGEAN SEA
	06	10	13	05.7%	40.638	N	15.749	E	10	G		1.2	8	SOUTHERN ITALY
	06	10	20	25.2	54.198	N	35.238	W	10	G	4.7 4.1	0.9	97	NORTH ATLANTIC OCEAN
	06	10	30	08.1*	29.880	N	90.073	E	33	N	4.5	1.5	15	TIBET
	06	10	32	53.8%	40.659	N	15.760	E	10	G		1.5	6	SOUTHERN ITALY
	06	10	36	21.9	54.081	N	35.289	W	10	G	4.5 3.7	0.8	42	NORTH ATLANTIC OCEAN
	06	10	44	41.1	54.194	N	35.217	W	10	G	4.5 3.7	1.2	64	NORTH ATLANTIC OCEAN
	06	12	04	04.9%	40.590	N	15.806	E	10	G		0.8	6	SOUTHERN ITALY
	06	12	26	59.4%	40.519	N	15.630	E	10	G		1.7	5	SOUTHERN ITALY
	06	13	11	44.2&	38.186	N	112.587	W	0		3.1		16	UTAH. <SLC-P>. ML 3.3 (SLC).
	06	13	38	16.5%	40.646	N	15.841	E	10	G		1.1	10	SOUTHERN ITALY
	06	13	45	19.8%	40.665	N	15.838	E	10	G		1.0	9	SOUTHERN ITALY
	06	13	52	44.6%	40.626	N	15.747	E	10	G		0.2	5	SOUTHERN ITALY
	06	14	12	27.5	38.773	N	30.393	E	10	G		1.0	7	TURKEY
	06	14	15	59.6%	40.422	N	23.518	E	10	G		0.8	7	GREECE
	06	14	23	07.4?	10.59	S	110.39	E	33	N	3.8	0.2	5	SOUTH OF JAVA
	06	15	09	49.0	15.569	N	147.769	E	33	N	4.3	0.5	20	MARIANA ISLANDS REGION
	06	15	14	36.7?	46.52	N	153.85	E	33	N	4.5	1.1	20	KURIL ISLANDS
a	06	16	46	13.2*	35.253	S	104.142	W	10	G	4.9 5.2	1.2	57	SOUTHERN PACIFIC OCEAN
	06	17	31	16.0	46.149	N	7.859	E	10	G		1.2	6	SWITZERLAND. ML 2.0 (LDG).
	06	18	10	16.1*	38.090	N	20.562	E	10	G		1.5	8	GREECE
	06	18	24	03.9*	36.517	N	138.651	E	165	D	4.3	1.2	14	HONSHU, JAPAN
	06	19	22	15.5	15.826	S	177.217	W	384	*	4.7	1.0	47	FIJI ISLANDS REGION
	06	19	42	33.4%	40.700	N	15.778	E	10	G		1.0	8	SOUTHERN ITALY
	06	20	02	42.5	36.036	N	27.217	E	10	G		1.2	16	DODECANESE ISLANDS. ML 4.1 (ATH).
	06	21	13	29.5	44.534	N	6.914	E	10	G		0.4	12	FRANCE. ML 2.3 (GEN), 2.2 (LDG).
	06	21	35	28.5	44.276	N	7.289	E	10	G		0.4	10	NORTHERN ITALY. ML 2.4 (LDG), 2.2 (GEN).
	06	22	09	13.5*	40.826	N	29.803	E	10	G		1.5	7	TURKEY
	06	22	43	37.7?	18.06	S	179.71	W	653	?	4.3	0.6	12	FIJI ISLANDS REGION
	06	23	14	19.5%	40.488	N	15.661	E	10	G		0.8	5	SOUTHERN ITALY
	06	23	33	27.0%	40.633	N	15.777	E	10	G		0.8	5	SOUTHERN ITALY
	06	23	53	42.1*	14.961	S	173.512	W	33	N	4.7 5.2	1.1	27	SAMOA ISLANDS REGION. Mo=1.6*10**17 Nm (PPT).
	07	00	01	41.4?	7.07	N	82.42	W	10	G		1.2	5	SOUTH OF PANAMA
	07	00	12	01.6	36.273	N	27.114	E	10	G	4.2	1.4	22	DODECANESE ISLANDS. ML 4.1 (ATH).

	07	00 29 00.6*	36.202	N	27.136	E	10	G			1.0	6	DODECANESE ISLANDS
	07	00 41 37.2%	40.563	N	15.831	E	10	G			1.1	5	SOUTHERN ITALY
	07	00 42 15.1%	40.625	N	15.866	E	10	G			1.0	10	SOUTHERN ITALY
	07	01 16 54.1*	36.398	N	27.270	E	10	G			1.0	6	DODECANESE ISLANDS
	07	01 18 40.2*	24.350	N	123.570	E	10	G	4.1		1.3	8	SOUTHWESTERN RYUKYU ISLANDS
	07	02 04 10.1	36.972	N	72.944	E	33	N	4.4	3.8	1.3	19	AFGHANISTAN-USSR BORDER REGION
	07	02 36 52.8?	18.47	S	85.85	E	10	G	4.7		0.8	8	SOUTH INDIAN OCEAN
	07	02 53 32.8	40.970	N	19.799	E	20		3.7		1.3	78	ALBANIA. ML 3.9 (SKO), 3.7 (TTG), 3.3 (THE). Felt (IV) at Cerrik, Mollas and Belesh.
	07	03 01 47.0	40.959	N	19.843	E	12				1.4	40	ALBANIA. ML 3.2 (SKO), 3.1 (TTG).
	07	03 11 00.2	38.376	N	21.757	E	38	*	3.8		1.3	42	GREECE. ML 3.5 (ATH).
	07	04 18 44.6?	15.58	N	147.52	E	33	N	4.3		0.8	7	MARIANA ISLANDS REGION
	07	04 29 16.2%	40.621	N	15.771	E	10	G			0.5	5	SOUTHERN ITALY
a	07	05 17 37.6	36.032	N	100.341	E	33	N	5.3	5.0	1.1	238	QINGHAI PROVINCE, CHINA. Felt in Ganghe, Guinan, Xinghai, Tangde and Guide Counties. Also felt at Xining City.
	07	06 44 57.9*	13.366	N	89.667	W	33	N	4.6		1.1	24	EL SALVADOR
	07	07 13 11.3&	60.055	N	141.176	W	0					18	SOUTHEASTERN ALASKA. <AGS-P>. ML 3.7 (PMR).
	07	08 13 09.7	9.423	S	155.652	E	10	G	4.8		1.0	19	DENTRECASTEAUX ISLANDS REGION
	07	09 06 27.5	44.749	N	9.974	E	23				1.2	37	NORTHERN ITALY. ML 3.0 (LDG).
	07	09 35 50.3&	37.628	N	118.952	W	7					15	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.7 (BRK).
	07	09 41 04.1&	37.628	N	118.943	W	6					21	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK), 3.1 (PAS).
	07	10 21 38.2	41.281	N	20.237	E	10	G			1.4	45	ALBANIA. ML 4.1 (SKO), 3.3 (THE), 3.2 (TTG).
	07	10 24 42.6	41.191	N	20.174	E	5	G			1.1	25	ALBANIA. ML 3.8 (SKO), 2.9 (TTG).
	07	10 36 02.6	40.568	N	30.189	E	5	G			0.9	14	TURKEY
	07	10 42 45.7&	37.627	N	118.953	W	6					14	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.9 (BRK).
	07	10 53 45.0	0.578	S	135.702	E	33	N	4.7	4.2	0.7	33	WEST IRIAN REGION
	07	10 57 20.7&	37.630	N	118.948	W	7					15	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.9 (BRK).
	07	10 59 32.9&	37.635	N	118.942	W	9					15	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.6 (BRK).
	07	13 03 04.3*	31.035	S	177.858	W	49	D	4.8		1.2	24	KERMADEC ISLANDS REGION
	07	14 20 52.0	44.327	N	6.772	E	10				0.6	33	FRANCE. ML 2.9 (LDG), 2.7 (GEN). MD 2.6 (STR).
	07	14 21 21.9?	13.40	S	76.67	W	33	N			0.9	5	NEAR COAST OF PERU
	07	14 33 33.5&	59.930	N	152.233	W	85					16	SOUTHERN ALASKA. <AGS-P>.
	07	14 48 03.7	30.983	N	51.715	E	33	N	4.1	4.6	1.4	47	IRAN
	07	14 52 51.6	9.648	S	155.537	E	25	D	5.1	4.9	1.0	30	DENTRECASTEAUX ISLANDS REGION
	07	15 24 50.8	27.238	N	66.360	E	42	*	4.8	4.2	1.1	80	PAKISTAN
	07	16 13 47.6%	44.345	N	8.128	E	10	G			0.1	5	NORTHERN ITALY. ML 1.5 (GEN).
	07	16 40 48.2	44.322	N	6.745	E	10	G			0.5	20	FRANCE. ML 2.2 (GEN), 2.1 (LDG).
	07	16 46 10.1?	35.25	S	105.21	W	10	G	5.2		1.2	15	EASTER ISLAND CORDILLERA
	07	16 49 32.3	36.428	N	16.008	E	10	G			0.9	18	MEDITERRANEAN SEA
	07	19 19 21.9&	39.772	N	120.708	W	17					12	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	07	20 51 41.2	15.563	N	147.710	E	40	*	5.0	4.2	0.7	81	MARIANA ISLANDS REGION
	07	21 09 55.1?	33.35	S	67.65	W	14				1.0	11	MENDOZA PROVINCE, ARGENTINA
	07	21 15 29.7*	15.621	N	147.779	E	33	N	4.6	4.0	0.8	13	MARIANA ISLANDS REGION
	07	21 16 53.9*	15.533	N	147.870	E	33	N	4.6		1.2	15	MARIANA ISLANDS REGION
	07	21 33 41.3&	62.317	N	148.331	W	31					31	CENTRAL ALASKA. <AGS-P>.
	07	22 19 09.9	42.216	N	143.169	E	67		4.5		0.8	31	HOKKAIDO, JAPAN REGION
a	08	00 01 40.0	6.905	N	82.622	W	10	G	6.2	6.3	1.0	462	SOUTH OF PANAMA. Ms 6.5 (BRK). MD 6.1 (UPA), 5.9 (HDC). Mo=8.0*10**18 Nm (PPT). Felt (V) at Santiago; (IV) at David; (III) at Panama City and Chitre. Also felt in much of Costa Rica. Depth from broadband displacement seismograms.
	08	00 16 11.3?	56.07	N	162.04	E	33	N	4.6		0.8	12	NEAR EAST COAST OF KAMCHATKA
	08	01 22 19.2	30.112	N	94.987	E	33	N	4.3		1.2	21	TIBET
a	08	01 40 03.8	17.054	S	168.495	E	229		5.2		0.9	295	VANUATU ISLANDS
	08	02 08 49.8	38.822	N	20.797	E	10	G	4.1		1.2	76	GREECE. ML 4.2 (ROM), 3.6 (THE), 3.5 (ATH), 3.5 (TTG).
	08	02 33 17.1*	18.349	S	177.905	W	532		4.5		0.6	23	FIJI ISLANDS REGION
	08	03 25 20.3	16.117	N	61.035	W	61	*			0.5	19	LEEWARD ISLANDS. MD 3.7 (TRN).
	08	04 22 02.6	51.676	N	176.397	E	33	N	4.7		1.2	38	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.4 (PMR).
	08	04 39 33.0*	6.373	S	151.847	E	36	*	4.2		0.6	10	NEW BRITAIN REGION
	08	04 43 48.1&	40.558	N	124.368	W	5					4	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.7 (BRK).
	08	04 49 23.9	44.244	N	7.298	E	13				0.4	18	NORTHERN ITALY. ML 2.5 (LDG), 2.0 (GEN). MD 1.3 (STR).
	08	06 00 41.5%	31.568	S	68.611	W	33	N			1.5	5	SAN JUAN PROVINCE, ARGENTINA
	08	06 24 03.3	5.069	S	149.790	E	400	*	4.2		0.7	19	NEW BRITAIN REGION
	08	06 39 15.6?	7.33	S	129.12	E	87	?	4.2		1.2	10	BANDA SEA
	08	06 51 15.6?	44.04	N	7.63	E	10	G			0.2	8	NORTHERN ITALY. ML 2.3 (LDG).
	08	07 06 56.3&	49.283	N	128.370	W	10	G	3.8			43	VANCOUVER ISLAND REGION. <PGC>.
	08	08 09 37.7	39.892	N	23.819	E	10	G			0.9	12	AEGEAN SEA. ML 2.5 (THE).
	08	08 14 04.2*	7.802	N	82.757	W	10	G	4.7	4.2	1.2	25	SOUTH OF PANAMA
	08	09 44 09.6?	44.25	N	7.80	E	10	G			0.3	5	NORTHERN ITALY. ML 2.4 (LDG).
	08	09 55 04.6	1.209	N	123.789	E	33	N	5.0	4.3	1.0	49	MINAHASSA PENINSULA
	08	10 41 48.6?	20.39	S	178.57	W	480	G	4.5		1.1	29	FIJI ISLANDS REGION
	08	11 20 59.9&	59.246	N	152.541	W	68					27	SOUTHERN ALASKA. <AGS-P>.
	08	11 39 59.5*	36.211	N	27.134	E	5	G			1.4	13	DODECANESE ISLANDS. ML 4.0 (ATH).
	08	12 16 06.2	36.002	N	27.180	E	5	G			1.4	21	DODECANESE ISLANDS. ML 4.0 (ATH).
	08	12 24 54.6	43.620	N	12.169	E	10	G			0.7	11	CENTRAL ITALY
	08	12 43 35.9%	43.627	N	12.107	E	10	G			0.3	6	CENTRAL ITALY
	08	13 48 03.9*	35.957	N	26.666	E	33	N			1.3	6	CRETE
	08	13 57 41.8?	16.50	N	143.77	E	33	N	3.8		0 1	5	MARIANA ISLANDS REGION
	08	14 20 33.2*	59.940	N	140.323	W	10	G			0.6	8	SOUTHEASTERN ALASKA
	08	14 23 14.9%	43.632	N	12.156	E	10	G			0.8	9	CENTRAL ITALY
	08	14 29 17.9*	32.783	S	70.085	W	33	N			1.3	8	CHILE-ARGENTINA BORDER REGION
	08	14 44 41.4	31.158	S	68.983	W	120		4.9		1.0	20	SAN JUAN PROVINCE, ARGENTINA
	08	15 37 16.9*	21.890	S	179.429	W	615	?	4.5		1.2	29	FIJI ISLANDS REGION
	08	16 11 11.0*	39.945	N	19.697	E	10	G			1.4	7	GREECE-ALBANIA BORDER REGION
	08	16 34 56.6%	43.554	N	12.130	E	10	G			0.6	5	CENTRAL ITALY
	08	17 20 58.6?	29.15	S	70.41	W	10	G			0.3	5	CENTRAL CHILE
	08	18 30 00.7&	37.085	N	121.833	W	6					14	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). Mo=1.3*10**13 Nm (BRK).
	08	18 40 53.2	30.607	S	117.324	E	10	G	3.9		1.1	9	WESTERN AUSTRALIA. Felt strongly in the Cadoux area.
	08	19 24 23.7*	36.387	N	27.305	E	33	N			1.4	7	DODECANESE ISLANDS
	08	19 40 48.6	43.600	N	12.132	E	5	G			1.0	10	CENTRAL ITALY

	08	19	47	45.2	43.578	N	12.162	E	10	G		1.2	15	CENTRAL ITALY
	08	19	58	29.0	43.588	N	12.106	E	9			0.9	31	CENTRAL ITALY. ML 3.2 (LDG), 3.1 (KBA).
	08	20	16	18.9	43.614	N	12.125	E	10	G		0.9	16	CENTRAL ITALY
	08	20	22	16.8*	43.511	N	147.824	E	45	D	4.6 4.3	1.2	44	KURIL ISLANDS
	08	20	42	12.0	43.597	N	12.166	E	10	G		0.6	9	CENTRAL ITALY
	08	21	15	57.2?	43.13	N	148.20	E	60	G	4.4	1.2	16	KURIL ISLANDS REGION
	08	21	30	23.0%	43.651	N	12.115	E	10	G		0.9	6	CENTRAL ITALY
	08	21	40	17.6&	19.362	N	155.083	W	9				39	HAWAII. <HVO-P>. MD 4.0 (HVO). Felt (III) at Hilo and Kalapana.
	08	22	33	16.3	43.576	N	12.129	E	9			1.1	69	CENTRAL ITALY. ML 3.9 (KBA), 3.8 (ZAG), 3.6 (VKA), 3.4 (LDG). MD 4.0 (TRI).
	08	22	35	59.3&	63.709	N	152.479	W	32				40	CENTRAL ALASKA. <AGS-P>. ML 4.0 (PMR).
	08	22	37	24.8	43.629	N	12.148	E	10	G		0.7	15	CENTRAL ITALY. ML 2.9 (KBA).
	08	22	38	34.5	43.565	N	12.142	E	10	G		1.0	10	CENTRAL ITALY. ML 3.0 (KBA).
	08	23	20	40.1%	43.583	N	12.123	E	10	G		0.5	6	CENTRAL ITALY
	08	23	21	33.9	43.562	N	12.121	E	10	G		1.5	7	CENTRAL ITALY
	08	23	27	52.5	35.985	N	27.075	E	10	G	4.1	1.2	23	DODECANESE ISLANDS. ML 4.1 (ATH).
	08	23	32	54.1%	43.552	N	12.142	E	10	G		0.6	5	CENTRAL ITALY
	08	23	38	18.6%	39.384	N	23.283	E	10	G		0.5	6	AEGEAN SEA. ML 2.3 (THE).
	08	23	42	31.5	43.624	N	12.106	E	14			0.9	29	CENTRAL ITALY. ML 3.0 (LDG).
	08	23	45	49.8*	36.373	N	27.179	E	10	G		1.3	10	DODECANESE ISLANDS. ML 4.0 (ATH).
	08	23	53	19.8%	43.579	N	12.108	E	10	G		0.4	6	CENTRAL ITALY
	08	23	54	08.5%	43.593	N	12.170	E	10	G		0.6	9	CENTRAL ITALY
	08	23	57	57.5%	43.606	N	12.105	E	10	G		0.6	5	CENTRAL ITALY
	09	00	05	25.4%	43.598	N	12.107	E	10	G		0.4	6	CENTRAL ITALY
	09	00	10	33.3%	43.576	N	12.125	E	10	G		0.7	5	CENTRAL ITALY
	09	00	34	22.2?	15.81	N	147.94	E	33	N	4.4	0.6	9	MARIANA ISLANDS REGION
	09	00	46	54.3	43.626	N	12.182	E	10	G		1.0	11	CENTRAL ITALY
	09	00	50	59.4	15.059	N	147.526	E	33	N	4.5	0.8	19	MARIANA ISLANDS REGION
	09	00	51	25.8	43.607	N	12.139	E	10	G		1.3	12	CENTRAL ITALY
	09	00	57	09.8%	43.600	N	12.173	E	10	G		0.7	7	CENTRAL ITALY
	09	01	00	58.2&	60.242	N	150.498	W	32				25	KENAI PENINSULA, ALASKA. <AGS-P>.
	09	01	09	47.2*	36.438	N	27.285	E	33	N		1.2	7	DODECANESE ISLANDS
	09	01	23	45.1&	36.325	N	120.927	W	7				13	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	09	01	23	52.5	43.607	N	12.160	E	10	G		1.4	14	CENTRAL ITALY. ML 2.5 (KBA).
	09	02	08	46.3?	0.60	N	79.18	W	10	G		0.3	6	NEAR COAST OF ECUADOR
	09	02	12	12.1%	43.595	N	12.158	E	10	G		0.7	8	CENTRAL ITALY
	09	02	20	41.2%	43.564	N	12.135	E	10	G		0.4	6	CENTRAL ITALY
	09	02	34	49.8	43.249	N	19.865	E	10	G		1.3	16	YUGOSLAVIA. ML 2.7 (TTG).
	09	02	38	39.5%	43.555	N	12.143	E	10	G		0.5	5	CENTRAL ITALY
	09	02	38	57.4	57.502	N	155.695	W	77	D	5.2	0.8	207	ALASKA PENINSULA. Felt (V) at Naknek and (III) at King Salmon.
	09	03	20	03.9%	40.104	N	29.340	E	10	G		0.1	5	TURKEY
	09	03	33	16.5	43.598	N	12.151	E	10	G		1.2	12	CENTRAL ITALY. ML 2.4 (KBA).
	09	03	34	06.4*	41.552	N	23.826	E	10	G		0.2	6	GREECE-BULGARIA BORDER REGION
	09	03	34	46.4%	43.617	N	12.130	E	10	G		1.2	8	CENTRAL ITALY
	09	03	42	21.7?	34.26	S	71.61	W	33	N		1.2	7	NEAR COAST OF CENTRAL CHILE
	09	03	47	47.2*	11.786	S	66.129	E	10	G	4.8	0.8	45	MID-INDIAN RISE
a	09	04	21	10.1	56.381	S	27.058	W	33	N	6.0 5.4	1.0	154	SOUTH SANDWICH ISLANDS REGION
	09	04	42	49.6	5.989	S	147.586	E	69		5.5	0.9	81	EAST PAPUA NEW GUINEA REGION
	09	04	50	06.3%	39.089	N	22.644	E	10	G		0.7	7	GREECE
	09	04	55	34.7	37.263	N	29.471	E	10	G		0.3	7	TURKEY
	09	05	24	23.1*	29.390	N	66.925	E	33	N	4.2	1.4	9	PAKISTAN
	09	06	20	22.1	36.307	N	27.178	E	10	G		1.2	13	DODECANESE ISLANDS. ML 4.0 (ATH).
	09	06	35	18.2	48.179	N	154.932	E	33	N	4.5	0.6	32	KURIL ISLANDS
	09	06	37	09.4	37.060	N	3.559	W	10	G		1.3	9	SPAIN. mbLg 3.0 (MDD). Felt (III) at Dilar, Padul and Gojar.
	09	06	44	34.1*	38.532	N	27.344	E	10	G		0.5	5	TURKEY
	09	07	43	11.5	43.626	N	12.169	E	10	G		0.7	10	CENTRAL ITALY
	09	07	50	26.7%	9.626	N	69.745	W	10	G		1.0	7	VENEZUELA
	09	08	05	33.6*	2.167	S	80.596	W	28	*	4.7	1.2	19	NEAR COAST OF ECUADOR
	09	10	03	28.9	19.757	S	177.857	W	449		4.9	0.9	94	FIJI ISLANDS REGION
	09	10	49	51.7?	26.94	N	142.20	E	33	N	4.9	0.9	9	BONIN ISLANDS REGION
	09	11	08	45.2?	10.69	N	62.73	W	33	N		0.6	7	NEAR COAST OF VENEZUELA. MD 3.8 (TRN).
	09	12	18	40.3*	1.453	N	123.780	E	33	N	4.5	1.4	16	MINAHASSA PENINSULA
a	09	14	33	35.7	11.485	S	166.585	E	34	D	5.1	0.9	41	SANTA CRUZ ISLANDS
	09	15	10	51.8%	40.649	N	15.850	E	10	G		1.4	6	SOUTHERN ITALY
	09	15	11	56.1%	40.646	N	15.852	E	10	G		1.4	6	SOUTHERN ITALY
	09	16	08	33.8*	12.812	N	88.353	W	58	D	5.0	1.4	54	OFF COAST OF CENTRAL AMERICA. Felt (III) at San Salvador, El Salvador.
	09	16	44	54.6	13.158	S	167.219	E	195	*	4.9	0.9	90	VANUATU ISLANDS
	09	16	51	38.5*	6.382	S	152.033	E	33	N	4.5	1.5	5	NEW BRITAIN REGION
	09	18	10	20.9	38.905	N	22.043	E	10	G		0.9	13	GREECE. ML 2.7 (THE).
	09	18	49	52.3&	58.344	N	142.725	W	10	G	3.7		45	GULF OF ALASKA. <AGS-P>.
	09	18	50	54.8?	8.91	S	128.21	E	198	?	3.6	0.7	7	TIMOR SEA
a	09	18	55	08.2	18.383	S	174.088	W	99	D	5.1	1.3	102	TONGA ISLANDS
	09	19	44	08.4&	60.204	N	152.883	W	108				26	SOUTHERN ALASKA. <AGS-P>.
a	09	19	46	43.1	2.813	S	119.729	E	33	N	5.5 4.6	1.1	60	SULAWESI
	09	20	27	32.3	40.620	N	15.871	E	10	G		1.3	8	SOUTHERN ITALY
	09	20	33	53.7%	40.703	N	15.817	E	10	G		1.0	7	SOUTHERN ITALY
	09	20	39	40.4%	39.675	N	16.769	E	10	G		1.3	6	SOUTHERN ITALY
	09	20	54	59.1*	36.550	N	27.293	E	5	G		1.4	5	DODECANESE ISLANDS
	09	21	40	22.7	36.110	N	27.078	E	24		4.1	1.1	20	DODECANESE ISLANDS. ML 4.0 (ATH).
a	09	22	38	19.0	61.979	S	161.434	E	10	G	5.0 5.7	1.1	25	BALLENY ISLANDS REGION
	09	23	06	40.4	36.375	N	27.229	E	33	N		0.8	9	DODECANESE ISLANDS. ML 4.0 (ATH).
	09	23	17	40.3&	60.550	N	151.089	W	15		3.0		45	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.7 (PMR). Felt (II) at Kenai.
	10	00	16	38.2&	58.183	N	142.557	W	10	G			4	GULF OF ALASKA. <AGS-P>.
	10	00	21	21.9*	36.182	N	27.138	E	10	G		1.0	6	DODECANESE ISLANDS. ML 3.9 (ATH).
	10	00	42	25.2&	59.326	N	153.274	W	88				26	SOUTHERN ALASKA. <AGS-P>.
	10	00	50	41.9	40.655	N	15.835	E	10	G		1.3	8	SOUTHERN ITALY
a	10	00	58	48.6	54.824	S	146.247	E	10	G	5.5 5.5	1.1	102	WEST OF MACQUARIE ISLAND
	10	01	30	31.8%	39.455	N	28.354	E	10	G		0.9	5	TURKEY

	10	01	36	57.0	12.334	N	129.797	E	33	N	4.8		1.1	35	EAST OF PHILIPPINE ISLANDS
	10	02	04	50.7?	16.27	S	69.45	W	160	?	4.9		0.5	6	PERU-BOLIVIA BORDER REGION
	10	02	08	56.7	27.272	N	140.231	E	354	?	4.7		0.9	34	BONIN ISLANDS REGION
	10	02	31	44.9?	51.53	N	20.43	E	10	G			0.9	7	POLAND. ML 3.1 (KRA).
	10	03	54	16.8	50.448	N	5.269	E	11				0.7	26	BELGIUM. ML 3.1 (LDG), 2.5 (UCC), 2.5 (JCK).
	10	04	39	51.7&	60.313	N	152.072	W	70					26	SOUTHERN ALASKA. <AGS-P>.
	10	04	43	24.1*	47.884	N	113.045	W	5	G			0.5	10	MONTANA. ML 3.6 (BUT).
	10	05	01	44.8?	48.80	N	0.64	W	10	G			0.1	4	FRANCE. ML 2.7 (LDG).
	10	05	35	35.4	10.678	N	67.062	W	10	G			0.3	6	NEAR COAST OF VENEZUELA. Felt at Caracas and Miranda.
a	10	08	14	35.3	6.176	S	146.807	E	101		5.4		1.0	103	EAST PAPUA NEW GUINEA REGION
	10	08	19	45.0&	59.801	N	153.542	W	140					21	SOUTHERN ALASKA. <AGS-P>.
	10	09	16	56.7*	20.599	S	176.535	W	294	*	3.7		1.2	15	FIJI ISLANDS REGION
	10	09	24	08.6	51.660	N	173.391	W	33	N	5.0	4.2	1.0	109	ANDREANOF ISLANDS, ALEUTIAN IS.
	10	11	18	49.4	51.558	N	173.361	W	33	N	4.8	4.5	0.9	110	ANDREANOF ISLANDS, ALEUTIAN IS.
	10	11	51	56.1*	50.042	N	5.329	E	10	G			0.8	8	BELGIUM. MD 2.1 (UCC).
	10	12	15	14.2*	37.883	N	30.473	E	10	G			0.2	5	TURKEY
	10	12	36	28.2	7.714	S	116.172	E	314	*	4.4		0.7	19	BALI SEA
	10	13	57	56.7%	31.688	S	117.058	E	10	G			0.9	5	WESTERN AUSTRALIA
	10	14	15	48.3?	51.69	N	16.30	E	10	G			1.0	5	POLAND
	10	14	17	59.4	36.421	N	27.263	E	10	G			1.1	7	DODECANESE ISLANDS
	10	14	24	37.1*	36.370	N	27.278	E	10	G			1.0	6	DODECANESE ISLANDS
	10	14	30	07.8*	42.687	N	144.602	E	94		4.6		0.9	15	HOKKAIDO, JAPAN REGION
	10	14	58	11.1	44.507	N	129.566	W	10	G	4.1		0.7	104	OFF COAST OF OREGON
	10	16	19	19.8%	40.730	N	15.797	E	10	G			1.3	5	SOUTHERN ITALY
	10	16	33	43.7%	44.487	N	7.442	E	10	G			1.2	7	NORTHERN ITALY
	10	16	43	48.8&	37.288	N	121.692	W	5					13	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Ma=1.9*10**14 Nm (BRK). Felt along Metcalf Raad.
	10	17	44	17.7?	11.97	N	89.13	W	33	N	3.8		0.2	7	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvadar.
	10	18	43	46.8*	32.149	S	69.095	W	33	N			1.4	10	MENDOZA PROVINCE, ARGENTINA
	10	19	07	02.7?	58.71	N	6.18	E	10	G			0.9	7	SOUTHERN NORWAY. MD 2.0 (BER).
	10	19	49	02.2%	40.728	N	9.538	W	10	G			0.9	8	PORTUGAL. mbLg 3.5 (MDD).
	10	20	46	53.8%	44.228	N	7.329	E	10	G			0.2	5	NORTHERN ITALY. ML 2.4 (LDG).
	10	20	47	53.6%	44.308	N	7.392	E	10	G			0.5	6	NORTHERN ITALY. ML 2.0 (GEN).
	10	20	50	34.0	13.225	N	143.781	E	186		4.8		0.9	41	SOUTH OF MARIANA ISLANDS
	10	20	57	52.6*	36.392	N	27.282	E	10	G			1.3	6	DODECANESE ISLANDS
	10	21	13	59.0%	43.633	N	12.165	E	10	G			1.0	7	CENTRAL ITALY
	10	21	15	37.9	9.581	N	84.727	W	33	N	4.9	4.2	0.9	106	COSTA RICA. Felt (III) at Jaco and San Jose.
	10	21	15	45.5%	43.610	N	12.164	E	10	G			0.7	8	CENTRAL ITALY
	10	21	46	04.2%	43.574	N	12.115	E	10	G			0.8	5	CENTRAL ITALY
	10	21	52	48.2	43.537	N	7.778	E	10	G			0.9	24	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG).
	10	22	18	34.3	43.582	N	12.157	E	14				0.8	10	CENTRAL ITALY
	10	22	53	26.1*	36.243	N	27.183	E	10	G			0.7	6	DODECANESE ISLANDS
	10	23	19	01.7&	58.341	N	142.694	W	10	G				3	GULF OF ALASKA. <AGS-P>.
	10	23	26	04.3&	63.174	N	150.115	W	103					39	CENTRAL ALASKA. <AGS-P>.
	11	00	39	42.6?	40.35	N	20.40	E	10	G			1.1	4	GREECE-ALBANIA BORDER REGION. ML 2.2 (SKO).
	11	01	00	23.7	46.313	N	13.200	E	5	G			1.2	6	AUSTRIA. MD 3.0 (LJU). ML 2.4 (VIE).
	11	01	01	12.3*	23.616	S	179.982	E	562	?	4.8		1.0	31	SOUTH OF FIJI ISLANDS
	11	01	37	20.6*	33.414	N	81.125	E	33	N	4.0		0.9	7	TIBET
	11	02	17	09.2*	7.086	S	129.804	E	156	*	4.3		1.4	14	BANDA SEA
	11	03	14	16.2	15.500	N	147.643	E	33	N	4.1		0.6	15	MARIANA ISLANDS REGION
	11	03	20	28.1%	39.952	N	27.319	E	5	G			0.8	5	TURKEY
	11	03	21	13.3%	43.596	N	12.167	E	5	G			0.7	10	CENTRAL ITALY
	11	03	29	48.4%	43.563	N	12.160	E	5	G			0.7	5	CENTRAL ITALY
	11	03	34	25.0?	51.57	N	16.14	E	10	G			0.4	7	POLAND. ML 3.4 (VKA), 3.3 (GRF).
	11	03	42	07.2?	15.93	N	147.08	E	33	N	4.9		0.7	10	MARIANA ISLANDS REGION
	11	03	47	04.5	15.556	N	147.861	E	33	N	4.6		0.6	28	MARIANA ISLANDS REGION
	11	04	26	42.8%	30.505	S	116.902	E	5	G			1.0	5	WESTERN AUSTRALIA
	11	05	02	55.5?	16.95	N	100.51	W	33	N			1.0	6	NEAR COAST OF GUERRERO, MEXICO
a	11	05	03	27.2	51.476	N	159.387	E	10	G	5.0	4.8	1.0	119	OFF EAST COAST OF KAMCHATKA
	11	05	03	59.4*	51.708	N	159.224	E	10	G	5.3	4.7	0.6	13	OFF EAST COAST OF KAMCHATKA
	11	05	22	24.1*	7.553	N	126.693	E	31	D	4.7		1.2	24	MINDANAO, PHILIPPINE ISLANDS
	11	05	45	55.7%	44.137	N	7.611	E	10	G			0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
	11	05	51	24.6?	51.58	N	159.25	E	10	G	4.7		1.4	17	OFF EAST COAST OF KAMCHATKA
	11	06	33	46.8?	51.43	N	159.48	E	10	G	4.5		1.4	11	OFF EAST COAST OF KAMCHATKA
	11	07	04	50.4	51.497	N	159.282	E	10	G	4.8		0.9	51	OFF EAST COAST OF KAMCHATKA
	11	07	51	16.3?	36.99	N	13.85	W	33	N			0.7	5	NORTH ATLANTIC OCEAN
	11	08	28	50.4&	62.099	N	150.314	W	8					23	CENTRAL ALASKA. <AGS-P>.
	11	10	33	18.0?	37.01	N	22.77	E	5	G			0.7	4	SOUTHERN GREECE. ML 3.0 (ATH).
	11	10	36	22.2*	3.860	S	141.195	E	69	?	4.9		1.5	11	PAPUA NEW GUINEA
	11	12	42	41.3*	36.557	N	27.333	E	33	N			1.7	6	DODECANESE ISLANDS
a	11	13	10	20.2	41.820	N	130.858	E	579	G	5.7		0.9	549	NORTH KOREA. mb 6.3 (BRK), 6.2 (PAS). Twa events about 2.2 seconds apart. Depth from braadband displacement seismograms, based an first event.
	11	13	43	51.4?	6.08	N	124.64	E	408	?	4.3		1.6	10	MINDANAO, PHILIPPINE ISLANDS
	11	14	19	35.5	46.817	N	9.902	E	10	G			0.9	16	SWITZERLAND. ML 2.7 (LDG), 2.6 (VIE).
	11	14	53	26.2*	36.107	N	27.309	E	10	G			1.4	8	DODECANESE ISLANDS
	11	16	45	46.5&	58.339	N	154.205	W	65					7	ALASKA PENINSULA. <AGS-P>.
	11	17	14	39.3%	47.364	N	6.751	E	5	G			1.0	6	FRANCE. ML 2.3 (LDG).
	11	17	59	26.8*	35.935	N	28.979	E	33	N			1.5	10	EASTERN MEDITERRANEAN SEA
	11	18	23	33.9&	32.951	N	80.155	W	6					14	SOUTH CAROLINA. <GLD>. MD 2.6 (GLD).
	11	18	34	35.0*	36.438	N	27.357	E	33	N			1.7	6	DODECANESE ISLANDS
	11	18	49	03.1?	31.58	S	69.44	W	120	G			0.5	5	SAN JUAN PROVINCE, ARGENTINA
	11	18	59	07.4	39.753	N	143.224	E	32	D	4.8		1.0	45	OFF EAST COAST OF HONSHU, JAPAN
a	11	19	42	23.3	1.329	N	123.590	E	22	D	5.3	4.8	1.1	77	MINAHASSA PENINSULA
	11	19	48	36.1?	12.37	N	125.45	E	33	N	4.6		1.4	9	SAMAR, PHILIPPINE ISLANDS
	11	20	21	30.3*	3.250	S	135.977	E	33	N	4.5		1.1	9	WEST IRIAN REGION
	11	20	33	23.9	39.002	N	24.736	E	5	G			0.9	24	AEGEAN SEA. ML 3.0 (ATH).
	11	21	05	33.1*	12.311	N	125.425	E	40	?	5.1	4.2	1.0	27	SAMAR, PHILIPPINE ISLANDS
	11	21	58	37.3%	40.621	N	15.701	E	10	G			0.6	6	SOUTHERN ITALY
	11	22	08	40.2?	47.31	N	2.29	W	10	G			1.0	14	FRANCE. ML 3.1 (LDG).
	11	22	09	26.9%	43.090	N	12.960	E	10	G			1.2	8	CENTRAL ITALY
	11	22	18	17.0&	63.120	N	150.370	W	109					28	CENTRAL ALASKA. <AGS-P>.

	11	22	26	08.5?	40.50	N	15.24	E	33	N			0.5	4	SOUTHERN ITALY
	11	23	08	09.2*	19.468	S	69.372	W	169	?	3.8		1.5	6	NORTHERN CHILE
a	11	23	43	50.4	17.282	N	100.679	W	28	D	5.3	4.9	1.1	140	GUERRERO, MEXICO. Ms 4.7 (PAS). Felt in the Mexico City area.
	12	00	36	48.9	36.370	N	100.034	E	33	N	3.6		0.7	8	QINGHAI PROVINCE, CHINA. ML 3.8 (BJI).
	12	00	38	53.9?	31.46	S	69.34	W	120	G			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	12	01	26	20.6	45.601	N	5.330	E	5	G			1.3	19	FRANCE. ML 2.8 (LDG). MD 2.6 (STR).
f	12	04	50	08.7	49.037	N	141.847	E	606	G	6.5		0.8	697	SAKHALIN ISLAND. Mo=6.0*10**19 Nm (PPT). mb 6.8 (BRK), 6.2 (PAS). Felt (V) at Aniva, Ogonki and Peschanskaye; (IV) in the Korsakov-Nevelsk-Tamari area; (III) in the Uglegorsk-Poronaysk-Makarov area, Sokhalin. Felt (II) at Komsomolsk-no-Amure, USSR. Felt (III JMA) at Kushiro, Hokkaido. Also felt (III JMA) at Hachinohe and Moriaka; (II JMA) at Tokya and Yokahama, Honshu. Depth from broadband displacement seismograms.
	12	05	36	56.0?	20.23	N	104.25	W	33	N			0.4	4	JALISCO, MEXICO
	12	06	25	24.2?	19.54	N	103.82	W	141	?	3.8		1.7	7	JALISCO, MEXICO
	12	06	54	45.8*	7.822	S	106.984	E	33	N	4.4		1.5	16	JAVA
	12	07	26	28.6*	76.089	N	7.719	E	10	G	4.2		1.6	11	SVALBARD REGION
	12	08	23	21.1&	63.373	N	145.597	W	2					35	CENTRAL ALASKA. <AGS-P>.
	12	08	56	45.0	41.953	N	23.917	E	5	G			1.2	9	GREECE-BULGARIA BORDER REGION
	12	09	17	26.9%	36.919	N	22.767	E	5	G			1.5	7	SOUTHERN GREECE. ML 3.3 (ATH).
	12	09	43	07.4&	60.011	N	153.221	W	129					23	SOUTHERN ALASKA. <AGS-P>.
	12	09	52	13.5?	37.55	N	20.63	E	5	G			1.1	6	IONIAN SEA. MD 3.6 (ATH).
	12	10	04	49.6%	40.734	N	15.809	E	10	G			1.2	6	SOUTHERN ITALY
	12	14	36	45.0?	55.33	S	26.13	W	33	N	5.1		1.5	17	SOUTH SANDWICH ISLANDS REGION
	12	14	54	23.3%	36.918	N	22.690	E	5	G			1.2	6	SOUTHERN GREECE. ML 3.1 (ATH).
	12	15	05	53.6*	3.181	S	137.520	E	33	N	4.6		1.1	10	WEST IRIAN
	12	15	18	22.6&	59.830	N	139.801	W	0					8	SOUTHEASTERN ALASKA. <AGS-P>.
	12	15	45	17.9*	38.098	N	20.231	E	5	G			1.4	9	GREECE. MD 3.5 (ATH).
	12	15	52	02.8?	35.89	N	141.84	E	10	G	3.9		1.4	10	NEAR EAST COAST OF HONSHU, JAPAN
	12	16	04	02.4%	36.959	N	22.736	E	5	G			1.6	6	SOUTHERN GREECE. ML 3.2 (ATH).
	12	16	47	40.7?	15.52	N	147.10	E	54	?	3.6		0.7	11	MARIANA ISLANDS REGION
	12	17	00	18.0?	15.57	N	147.07	E	33	N	3.6		0.9	8	MARIANA ISLANDS REGION
	12	17	23	42.2	15.619	N	147.776	E	33	N	4.7		0.7	24	MARIANA ISLANDS REGION
	12	17	24	17.8	37.127	N	72.848	E	34	D	4.6	4.4	1.0	32	TAJIK SSR. Felt (II) at Khorog.
	12	18	03	48.2	36.919	N	22.814	E	20		3.8		1.1	20	SOUTHERN GREECE. ML 3.5 (ATH).
	12	18	35	35.2%	43.587	N	12.153	E	10	G			0.7	6	CENTRAL ITALY
	12	19	19	43.0?	43.43	N	11.80	E	5	G			1.6	4	CENTRAL ITALY
	12	19	33	25.1?	31.58	S	67.58	W	10	G			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	12	19	46	04.9%	36.452	N	27.388	E	10	G			1.5	6	DODECANESE ISLANDS
	12	20	03	44.7*	36.398	N	69.487	E	160	?	4.3		0.6	9	HINDU KUSH REGION
	12	20	22	49.6%	43.592	N	12.134	E	10	G			0.5	6	CENTRAL ITALY
	12	20	40	15.6?	43.64	N	12.16	E	5	G			0.2	4	CENTRAL ITALY
	12	21	12	40.7%	25.168	S	129.657	E	10	G			1.6	7	NORTHERN TERRITORY, AUSTRALIA
a	12	21	15	28.2	6.070	S	149.775	E	74	D	5.6		1.0	200	NEW BRITAIN REGION
	12	21	59	07.5*	36.120	N	27.125	E	10	G			1.5	10	DODECANESE ISLANDS. ML 4.0 (ATH).
	12	22	50	13.9	44.925	N	3.160	E	10	G			1.2	30	FRANCE. ML 3.1 (LDG). MD 2.8 (STR).
	12	23	08	15.1?	31.37	S	69.20	W	120	G			0.5	6	SAN JUAN PROVINCE, ARGENTINA
	12	23	29	58.3?	16.86	N	100.16	W	33	N	3.8		1.4	6	NEAR COAST OF GUERRERO, MEXICO
	12	23	30	20.9%	45.528	N	26.606	E	95	?			1.3	8	ROMANIA
	13	00	07	44.2&	61.455	N	141.635	W	0					10	SOUTHERN ALASKA. <AGS-P>.
	13	00	49	09.4?	31.15	S	68.28	W	100	G			0.5	5	SAN JUAN PROVINCE, ARGENTINA
	13	02	26	51.6?	31.89	N	141.78	E	33	N	4.2		1.4	9	SOUTH OF HONSHU, JAPAN
	13	02	35	44.8%	40.711	N	15.831	E	5	G			0.9	7	SOUTHERN ITALY
	13	03	34	14.5?	45.03	N	7.29	E	10	G			0.6	4	NORTHERN ITALY. ML 2.1 (GEN).
	13	04	03	00.8%	43.843	N	13.548	E	10	G			0.3	5	CENTRAL ITALY
f	13	04	23	09.6	40.296	S	176.064	E	21	G	6.0	6.3	1.2	395	NORTH ISLAND, NEW ZEALAND. Ms 6.1 (BRK). ML 6.7 (WEL). Mo=5.0*10**18 Nm (PPT). Some damage (VIII) in the Dannevirke area. Felt at Wellington. Depth from broadband displacement seismograms.
	13	04	39	50.9*	23.592	N	122.517	E	33	N			0.4	6	TAIWAN REGION
	13	04	43	48.9*	32.395	N	92.770	E	33	N	4.6		0.3	7	TIBET
	13	04	53	53.3&	62.100	N	148.021	W	38					36	CENTRAL ALASKA. <AGS-P>.
	13	05	28	06.7	38.904	N	27.259	E	10	G			1.5	9	TURKEY
	13	05	40	54.9%	40.611	N	15.710	E	10	G			0.6	5	SOUTHERN ITALY
	13	05	46	52.9%	38.895	N	27.117	E	10	G			1.4	7	TURKEY
	13	05	56	01.8?	20.42	S	178.63	W	646	?	3.7		1.2	13	FIJI ISLANDS REGION
	13	06	17	31.3*	15.645	N	147.680	E	33	N	3.6		0.2	6	MARIANA ISLANDS REGION
	13	08	08	40.6	36.340	N	100.225	E	33	N	4.6		1.0	26	QINGHAI PROVINCE, CHINA. ML 4.3 (BJI).
	13	08	32	58.2?	34.15	S	70.33	W	33	N			0.7	4	CHILE-ARGENTINA BORDER REGION
	13	10	36	55.6&	63.088	N	150.594	W	118					16	CENTRAL ALASKA. <AGS-P>.
	13	10	42	18.5%	40.546	N	15.651	E	33	N			0.5	5	SOUTHERN ITALY
	13	10	48	38.9*	36.527	N	21.642	E	63	*	3.6		1.3	20	SOUTHERN GREECE. MD 3.6 (ATH).
	13	10	56	52.9*	36.452	N	21.496	E	33	N	3.8		1.0	18	SOUTHERN GREECE. ML 3.5 (ATH).
	13	11	25	13.3	40.451	N	139.801	E	189		4.4		1.1	37	NEAR WEST COAST OF HONSHU, JAPAN
	13	11	27	29.6	43.701	N	7.883	E	15	*			0.7	22	NEAR SOUTH COAST OF FRANCE. ML 2.7 (GEN), 2.5 (LDG).
	13	11	53	36.8?	17.88	N	61.77	W	33	N			1.6	6	LEEWARD ISLANDS
	13	12	07	30.1%	61.815	N	4.590	E	5	G			0.6	5	SOUTHERN NORWAY. MD 2.5 (BER).
	13	13	07	08.4%	33.225	S	71.122	W	73	?			0.3	9	NEAR COAST OF CENTRAL CHILE
	13	13	11	06.5?	17.66	N	61.66	W	33	N			0.8	8	LEEWARD ISLANDS. ML 3.4 (FDF).
	13	14	07	11.1	34.876	N	26.441	E	33	D	4.3	3.6	1.4	104	CRETE. MD 4.6 (ATH).
	13	14	14	10.0%	36.498	N	5.707	W	5	G			1.6	8	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
	13	14	39	59.8	44.676	N	78.905	E	26	D	4.6	4.1	1.2	42	EASTERN KAZAKH SSR. Felt (V) at Kugaly and Tekeli; (IV) at Panfilov and Toldy-Kurgan; (III) at Alma-Ata.
	13	15	22	24.3&	40.382	N	125.402	W	16					8	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK).
	13	15	34	50.9*	31.806	N	87.896	E	33	N	4.3		1.6	12	TIBET
	13	16	40	27.4	8.815	S	118.571	E	154	*	5.0		1.4	54	SUMBAWA ISLAND REGION
	13	16	50	56.1*	8.331	S	117.630	E	33	N	4.7		1.3	16	SUMBAWA ISLAND REGION
	13	17	04	49.9?	61.18	N	4.95	E	10	G			1.7	4	SOUTHERN NORWAY. MD 2.0 (BER).
	13	17	23	48.4*	40.506	N	142.275	E	71	*	4.7		1.0	42	NEAR EAST COAST OF HONSHU, JAPAN
	13	19	07	39.2&	59.574	N	152.909	W	106		3.4			43	SOUTHERN ALASKA. <AGS-P>.
	13	19	10	14.0	40.665	N	15.822	E	10	G			0.7	12	SOUTHERN ITALY. MD 3.3 (ROM).

	13	20	22	39.9%	44.573	N	7.458	E	10	G		0.7	6	NORTHERN ITALY. ML 2.3 (GEN).
	13	21	14	37.9?	45.10	N	7.36	E	10	G		0.2	4	NORTHERN ITALY. ML 2.4 (GEN).
	13	21	37	05.0*	37.995	N	73.368	E	33	N	4.6	0.5	6	TAJIK SSR
	13	23	58	39.4?	31.28	S	68.77	W	100	G		0.4	6	SAN JUAN PROVINCE, ARGENTINA
	14	00	46	48.0%	39.219	N	29.512	E	10	G		1.3	6	TURKEY
	14	00	54	58.2	84.826	N	101.150	E	10	G	4.8 4.5	1.0	110	NORTH OF SEVERNAYA ZEMLYA
	14	02	06	25.7*	48.524	N	153.018	E	33	N	4.3	0.8	21	KURIL ISLANDS
	14	02	11	18.9%	37.063	N	28.985	E	10	G		0.9	5	TURKEY
	14	03	31	55.0?	31.16	S	69.33	W	120	G		0.6	6	SAN JUAN PROVINCE, ARGENTINA
	14	04	03	07.0?	32.84	S	70.95	W	100	G		0.5	5	CHILE-ARGENTINA BORDER REGION
	14	04	28	24.0*	22.706	N	92.551	E	33	N	4.4	0.9	22	INDIA-BANGLADESH BORDER REGION
	14	04	46	58.7?	37.53	N	4.09	E	10	G		0.5	8	WESTERN MEDITERRANEAN SEA
	14	04	47	41.7%	17.253	N	99.868	W	10	G		1.4	6	GUERRERO, MEXICO
	14	05	23	32.1?	15.31	S	174.02	W	33	N	4.6	1.3	43	TONGA ISLANDS
	14	05	49	23.7%	33.526	S	71.262	W	33	N		1.1	5	NEAR COAST OF CENTRAL CHILE
a	14	06	52	11.8	37.283	S	47.736	E	10	G	5.4 5.2	1.2	98	ATLANTIC-INDIAN RISE
	14	07	20	39.8%	17.224	N	99.984	W	33	N		1.2	6	GUERRERO, MEXICO
	14	08	14	41.1	35.545	N	140.170	E	81		4.4	0.7	19	NEAR EAST COAST OF HONSHU, JAPAN
	14	08	41	10.7&	61.682	N	150.451	W	46				46	SOUTHERN ALASKA. <AGS-P>. ML 3.3 (PMR).
	14	08	44	23.1	34.858	N	120.632	W	5	G		1.0	10	SOUTHERN CALIFORNIA. ML 2.7 (BRK).
	14	08	52	08.8	43.290	N	19.865	E	5	G		1.2	15	YUGOSLAVIA. ML 2.9 (TTG).
	14	08	54	10.5?	7.53	S	129.07	E	189	?	4.6	1.0	10	BANDA SEA
	14	08	57	13.4?	40.57	N	15.83	E	33	N		1.2	4	SOUTHERN ITALY
	14	09	11	11.5*	36.153	N	99.927	E	10	G	4.2	1.3	8	QINGHAI PROVINCE, CHINA. ML 4.6 (BJI).
	14	10	43	48.7?	37.29	N	73.88	E	10	G	4.0	1.6	6	TAJIK SSR
	14	11	01	02.9%	42.452	N	7.097	W	5	G		0.9	6	SPAIN. mbLg 2.7 (MDD).
a	14	11	54	30.1	23.789	S	179.890	E	540	D	5.0	0.8	108	SOUTH OF FIJI ISLANDS
	14	12	28	36.7	43.798	N	21.250	E	10	G		1.4	22	YUGOSLAVIA. ML 2.9 (TTG).
	14	12	38	55.6?	34.33	S	105.21	W	10	G	4.7	1.2	16	EASTER ISLAND CORDILLERA
	14	14	09	51.9*	26.509	N	127.241	E	88	*	4 6	1.0	19	RYUKYU ISLANDS
	14	15	06	45.6	40.553	N	22.597	E	10	G		1.2	25	GREECE. ML 3.5 (ATH), 3.5 (SKO), 3.5 (THE).
	14	15	56	01.2*	43.961	N	7.948	E	5	G		0.5	10	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG).
	14	17	04	21.6	40.680	N	19.812	E	9	D	4.7	1.3	175	ALBANIA. ML 5.2 (ATH), 4.5 (THE). MD 4.5 (TTG). Felt (III) at Skapje, Yugoslavia.
	14	17	30	59.9*	40.653	N	19.992	E	5	G		1.3	11	ALBANIA. ML 3.0 (THE), 2.9 (SKO).
	14	17	48	00.1	40.653	N	19.909	E	5	G		1.3	23	ALBANIA. ML 3.5 (SKO), 3.0 (TTG). MD 3.5 (ATH).
	14	18	16	38.5?	40.77	N	20.47	E	5	G		0.6	5	GREECE-ALBANIA BORDER REGION. ML 2.5 (SKO).
	14	18	18	09.4?	18.15	N	60.01	W	33	N		0.4	11	LEEWARD ISLANDS. ML 3.6 (FDF).
	14	19	01	41.4%	42.871	N	12.956	E	5	G		0.6	8	CENTRAL ITALY
	14	19	15	48.2	34.549	N	25.232	E	21	*	3.5	1.4	23	CRETE
	14	19	57	42.4*	36.743	N	72.805	E	33	N	4.1	0.6	8	AFGHANISTAN-USSR BORDER REGION
	14	20	24	37.3?	59.75	N	9.24	E	10	G		0.7	6	SOUTHERN NORWAY. MD 1.8 (BER).
a	14	21	34	04.2	35.925	S	71.415	W	76	G	5.8	1.1	294	CENTRAL CHILE. Slight damage (VI) at Talca. Felt (VI) at Chillan, Canstitucion, Linares, San Carlas and San Fernando. Also felt (V) at Concepcian, (IV) at Santiago and (III) at Valparaisa. Depth fram broadband displacement seismograms.
	14	21	42	32.6	48.049	N	6.714	E	10	G		1.4	18	FRANCE. ML 3.1 (LDG). MD 2.6 (STR).
	14	22	21	19.1	45.259	N	5.789	E	10	G		1.0	18	FRANCE. ML 2.5 (LDG).
	14	22	31	29.9&	37.632	N	122.473	W	8				9	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). Mo=2.9*10**13 Nm (BRK). Felt at Daly City, San Francisco, Sauth San Francisco and San Mateo.
	14	23	23	55.9?	44.42	N	7.19	E	10	G		0.1	4	NORTHERN ITALY. ML 1.8 (GEN).
	15	01	30	48.6?	21.21	S	177.48	W	428	?	3.9	0.8	18	FIJI ISLANDS REGION
	15	02	57	26.4?	8.47	S	124.01	E	151	?	4.4	1.1	6	TIMOR
	15	03	00	17.3?	2.35	S	80.79	W	33	N	3.4	0.8	8	NEAR COAST OF ECUADOR
	15	05	02	10.0%	40.685	N	15.763	E	5	G		1.2	6	SOUTHERN ITALY
	15	05	07	04.2	4.974	S	81.041	W	32	D	5.0	1.1	61	NEAR COAST OF NORTHERN PERU. Felt (IV) at Piura and (III) at Talara.
	15	05	10	50.6?	49.56	N	18.69	E	10	G		1.5	4	CZECHOSLOVAKIA
	15	05	31	47.4*	0.716	S	122.609	E	34	?	4.1	1.4	10	MINAHASSA PENINSULA
	15	08	00	14.6?	31.07	S	68.40	W	100	G		0.0	4	SAN JUAN PROVINCE, ARGENTINA
	15	09	49	48.2*	8.746	S	118.413	E	128	?	4.6	1.5	17	SUMBAWA ISLAND REGION
	15	10	45	15.9?	39.11	N	27.59	E	10	G		0.7	4	TURKEY
	15	11	12	53.2*	31.897	S	71.392	W	33	N		0.5	13	NEAR COAST OF CENTRAL CHILE
	15	12	17	05.0*	14 987	S	167.381	E	121	*	4.4	1.0	27	VANUATU ISLANDS
	15	12	27	36.2*	39.385	N	20.646	E	10	G		1.5	6	GREECE-ALBANIA BORDER REGION. ML 2.5 (THE).
	15	12	52	25.2*	41.301	N	23.433	E	10	G		0.4	6	GREECE-BULGARIA BORDER REGION. ML 2.1 (THE).
	15	13	58	38.6&	62.591	N	151.442	W	89				30	CENTRAL ALASKA. <AGS-P>.
	15	13	59	12.6?	45.56	N	14.99	E	10	G		0.0	4	YUGOSLAVIA. MD 2.4 (LJU).
f	15	14	25	20.6	36.043	N	70.428	E	113	G	5.9	1.0	492	HINDU KUSH REGION. Felt (V) at Ishkashim and Khorag; (IV) at Dushanbe, Kamsamalabad, Kulyab, Nurek, Obigarm, Pyandzh, Ragun and Sultanabad; (III) at Dzhirgatal, Garm, Leninabad and Samarkand; (II) at Tashkent, USSR. Felt at Islamabad, Lahare and Rawalpindi, Pakistan. Depth from broadband displacement seismograms.
a	15	15	21	26.2	3.225	S	35.744	E	5	G	5.3 4.8	1.3	126	TANZANIA. Felt at Nairabi, Kenya.
	15	15	59	02.1*	0.767	S	122.630	E	49	?	4.6	1.5	14	MINAHASSA PENINSULA
a	15	16	24	19.5	3.075	S	35.891	E	5	G	5.5 5.2	1.1	187	TANZANIA. Felt at Nairabi, Kenya.
	15	16	33	35.4*	5.743	N	126.219	E	33	N	5.2	0.8	19	MINDANAO, PHILIPPINE ISLANDS
	15	17	11	31.2*	12.486	S	75.227	W	10	G		1.6	7	PERU
	15	17	15	40.3	36.076	N	27.162	E	18		4.7	1.5	27	DODECANESE ISLANDS. ML 4.3 (ATH).
	15	17	19	22.0*	29.178	N	76.730	E	33	N	4.1	1.2	14	NORTHERN INDIA. MD 3.8 (NDI).
	15	18	25	11.8?	31.44	S	68.64	W	33	N		1.1	4	SAN JUAN PROVINCE, ARGENTINA
a	15	18	31	39.6	1.158	N	123.869	E	30	D	5.6 5.6	1.1	135	MINAHASSA PENINSULA
	15	19	09	35.3*	1.256	N	123.992	E	33	N	4.9	1.0	17	MINAHASSA PENINSULA
	15	19	45	41.5%	40.250	N	29.644	E	10	G		1.0	16	TURKEY
	15	19	49	18.9?	51.63	N	16.28	E	10	G		0.4	6	POLAND. ML 3.0 (GRF).
	15	20	07	32.1	10.151	S	161.051	E	57	D	5.5	0.9	133	SOLOMON ISLANDS
	15	20	16	15.5*	40.764	N	19.914	E	10	G		1.2	12	ALBANIA. ML 3.5 (SKO).
	15	20	35	33.6%	33.206	S	70.366	W	10	G		0.7	6	CHILE-ARGENTINA BORDER REGION
	15	20	35	34.6*	7.797	S	129.467	E	57	*	4.8	1.6	21	BANDA SEA
	15	21	09	37.3	51.306	N	3.573	E	10	G		0.8	14	NETHERLANDS. MD 2.7 (UCC).

	15	21	31	16.6%	42.728	N	13.229	E	5	G			0.5	5	CENTRAL ITALY
a	15	21	33	30.2	31.835	S	178.027	W	41	D	5.6	5.5	1.1	213	KERMADEC ISLANDS REGION. Ms 6.0 (BRK).
	15	21	37	36.1?	35.86	N	99.64	E	10	G			1.6	6	QINGHAI PROVINCE, CHINA. ML 4.2 (BJI).
	15	22	07	52.9	42.429	N	144.298	E	68	D	4.9		0.9	76	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Kushiro.
a	15	22	29	59.3	36.112	N	100.118	E	14	D	5.5	5.2	1.1	273	QINGHAI PROVINCE, CHINA. ML 5.7 (BJI). Felt in the Xining area.
	15	23	00	59.0?	42.82	N	13.36	E	10	G			0.3	4	CENTRAL ITALY
	15	23	17	31.1	42.497	N	144.254	E	70	D	4.8		0.8	99	HOKKAIDO, JAPAN REGION. Felt (III JMA) at Kushiro.
	15	23	32	17.7*	34.971	N	4.082	W	10	G			1.4	9	MOROCCO. MD 3.8 (RBA).
	16	00	16	22.6%	43.054	N	0.843	W	10	G			0.1	6	PYRENEES. MD 1.0 (STR).
	16	00	18	32.8*	5.703	S	131.269	E	97	?	4.6		1.4	10	BANDA SEA
	16	01	36	24.8*	24.189	N	125.066	E	47	*	4.2		1.0	21	SOUTHWESTERN RYUKYU ISLANDS
	16	02	31	50.8	35.156	N	23.117	E	46		4.5		1.1	117	CRETE. MD 4.6 (HLW).
	16	02	41	56.7?	33.69	N	22.91	E	33	N	4.2		1.7	6	MEDITERRANEAN SEA
	16	03	04	15.2	31.787	S	69.692	W	115	*			0.7	17	SAN JUAN PROVINCE, ARGENTINA
	16	03	47	37.9?	51.40	N	20.11	E	10	G			0.7	5	POLAND. ML 3 1 (KRA).
	16	04	11	46.9?	33.49	S	71.86	W	33	N			1.3	7	NEAR COAST OF CENTRAL CHILE
	16	04	28	03.3&	36.648	N	121.310	W	6					13	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	16	04	43	13.9	54.216	N	163.674	W	74	*	4.6		1.2	70	UNIMAK ISLAND REGION
a	16	05	24	19.1	5.648	S	150.233	E	81	D	5.6		1.2	103	NEW BRITAIN REGION
	16	05	36	06.3	9.885	N	57.559	E	10	G	4.9		1.3	41	CARLSBERG RIDGE
	16	06	07	41.8*	5.603	S	152.344	E	178		4.3		0.4	9	NEW BRITAIN REGION
	16	06	27	35.6%	40.459	N	23.097	E	5	G			0.6	5	GREECE. ML 1.7 (THE).
	16	07	27	59.2*	24.462	N	122.573	E	56	?	3.7		1.3	13	TAIWAN REGION
	16	08	52	40.6&	40.505	N	121.562	W	4					5	NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK).
	16	09	03	08.3&	58.401	N	154.212	W	87					25	ALASKA PENINSULA. <AGS-P>.
	16	09	09	42.5?	31.96	S	68.44	W	100	G			0.1	4	SAN JUAN PROVINCE, ARGENTINA
	16	09	41	20.2?	31.65	S	68.92	W	100	G			1.3	4	SAN JUAN PROVINCE, ARGENTINA
	16	10	07	05.4%	59.339	N	6.089	E	5	G			0.5	7	SOUTHERN NORWAY. MD 1.6 (BER).
	16	11	12	33.2*	32.345	N	92.782	E	33	N	4.0		1.4	13	TIBET
	16	11	49	03.0	39.899	N	21.448	E	5	G			0.6	6	GREECE. ML 2.6 (THE).
	16	11	49	27.0&	36.645	N	121.312	W	7					13	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	16	11	59	45.3*	66.023	N	6.376	E	33	N			0.5	13	NORWEGIAN SEA. MD 3.6 (BER).
	16	12	00	22.4&	60.093	N	152.562	W	88					26	SOUTHERN ALASKA. <AGS-P>.
	16	12	26	48.8&	61.964	N	149.576	W	46					28	SOUTHERN ALASKA. <AGS-P>. ML 3.2 (PMR).
	16	12	32	26.7	46.979	N	10.226	E	5	G			1.1	100	NORTHERN ITALY. ML 4.2 (FUR), 4.1 (VKA), 4.0 (KBA), 3.9 (LDG). Felt (V) at Ischgl, Austria.
	16	12	33	54.5?	42.38	N	24.39	E	5	G			1 3	5	BULGARIA
	16	12	39	55.3?	61.94	N	4.59	E	5	G			0.3	4	SOUTHERN NORWAY. MD 2.1 (BER).
	16	13	07	37.6*	15.684	N	98.357	W	17	D	4.0		1.0	14	OFF COAST OF GUERRERO, MEXICO
	16	13	13	25.9	16.166	N	98.225	W	19	D	4.8		1 0	73	NEAR COAST OF GUERRERO, MEXICO
	16	13	25	27.0?	34.93	N	4.06	W	33	N			0.9	4	MOROCCO. MD 3.4 (RBA).
a	16	13	32	36.0	10.940	N	85.475	W	73	D	5.1		1.1	182	COSTA RICA
	16	14	08	28.4?	24.06	S	179.85	E	576	?	4.6		1.2	20	SOUTH OF FIJI ISLANDS
	16	14	10	50.9?	17.28	S	73.20	W	33	N			1.0	5	OFF COAST OF PERU
	16	16	13	35.6%	38.223	N	28.771	E	10	G			0.7	5	TURKEY
	16	17	09	56.1*	0.358	S	99 144	E	68	?	5.0		1.3	17	SOUTHERN SUMATERA
	16	17	17	23.1*	11.893	N	41.755	E	10	G	4.5		0.8	9	ETHIOPIA. MD 4.0 (ARO).
	16	17	18	13.6&	36.272	N	120.257	W	5					18	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK), 3.2 (PAS).
	16	18	38	59.3?	8.34	S	129.57	E	182	?	4.2		1.3	8	TIMOR SEA
	16	18	59	51.2*	44.547	N	129.433	W	10	G			0.4	66	OFF COAST OF OREGON. CL 4.0 (SEA).
	16	19	38	35.5*	4.271	N	127.499	E	33	N	4.4		1.0	8	TALAUD ISLANDS
	16	19	39	58.7*	41.654	N	22.688	E	10	G			1.2	9	YUGOSLAVIA. ML 2.6 (THE), 2.3 (SKO).
	16	19	52	32.4?	40.32	N	103.93	E	10	G	4.1		0.7	4	NORTHERN CHINA. ML 3.4 (BJI).
	16	20	10	04.2&	38.678	N	112.583	W	0					3	UTAH. <SLC-P>. ML 2.9 (SLC).
	16	20	15	20.0*	15.024	N	147.398	E	10	G	4.7		0.7	18	MARIANA ISLANDS REGION
	16	20	15	51.0	5.686	S	150.350	E	112	*	4.8		1.0	36	NEW BRITAIN REGION
	16	20	39	40.5?	16.08	N	60.74	W	33	N			0.2	6	LEEWARD ISLANDS. ML 2.4 (FDF).
	16	21	07	43.5&	58.926	N	136.926	W	3					4	SOUTHEASTERN ALASKA. <AGS-P>.
	16	22	55	52.7%	40.711	N	15.795	E	10	G			1.1	5	SOUTHERN ITALY
	16	23	30	43.6?	31.03	S	68.39	W	110	G			0.3	5	SAN JUAN PROVINCE, ARGENTINA
	16	23	39	20.9%	39.198	N	23.488	E	10	G			0.5	9	AEGEAN SEA. ML 2.3 (THE).
	17	01	02	46.8	30.244	S	72.257	W	31	D	5.2		1.1	36	OFF COAST OF CENTRAL CHILE
a	17	01	04	07.5	37.060	N	136.880	E	267	D	5.2		0.8	340	NEAR WEST COAST OF HONSHU, JAPAN
	17	01	10	53.5?	51.31	N	15.79	E	10	G			0.6	7	POLAND. ML 3.5 (GRF), 3.3 (VIE).
	17	01	30	35.6%	35.826	N	25.830	E	10	G			1.3	5	CRETE
	17	03	04	56.1?	45.86	N	16.17	E	10	G			1.4	4	YUGOSLAVIA. ML 2.4 (ZAG). Felt at Zelina.
	17	03	29	50.6*	51.065	N	15.913	E	5	G			1.5	5	POLAND
	17	04	15	55.4?	29.53	S	177.84	W	33	N	5.3		1.7	7	KERMADEC ISLANDS
	17	04	45	32.5	44.375	N	6.831	E	10	G			0.4	10	FRANCE. ML 2.1 (GEN), 2.0 (LDG).
	17	06	02	57.6&	59.691	N	138.993	W	6		4.0			51	SOUTHEASTERN ALASKA. <AGS-P>. ML 4.2 (PMR). Felt (IV) at Yakutat.
	17	06	09	09.9*	1.186	N	124.106	E	33	N	4.3		0.7	5	MINAHASSA PENINSULA
	17	06	44	24.5	39.831	N	22.348	E	5	G			1.0	17	GREECE. MD 3.4 (ATH). ML 3.2 (THE).
	17	07	18	08.3?	34.58	S	71.97	W	60	G			1.3	10	NEAR COAST OF CENTRAL CHILE
	17	08	35	31.9%	41.401	N	29.297	E	10	G			0.4	6	TURKEY
	17	08	36	14.8%	41.406	N	29.293	E	10	G			0.2	5	TURKEY
	17	08	36	55.6%	41.419	N	29.326	E	10	G			0.2	5	TURKEY
	17	08	44	05.2	38.419	N	22.189	E	36		4.8	3.7	1.2	192	GREECE. MD 4.8 (HLW), 4.6 (ATH).
	17	09	07	28.5?	38.26	N	22.41	E	10	G			1.1	4	GREECE
	17	09	40	11.4*	13.504	N	121.026	E	33	N	5.1	4.2	1.0	19	MINDORO, PHILIPPINE ISLANDS
	17	09	46	03.1?	33.21	S	179.35	W	33	N	4.4		1.7	8	SOUTH OF KERMADEC ISLANDS
	17	10	17	34.1*	6.675	S	129.710	E	125	?	4.7		1.2	19	BANDA SEA
	17	10	20	13.5?	38.06	N	29.00	E	10	G			0.5	4	TURKEY
	17	10	27	13.6	38.350	N	22.243	E	16		4.0		1.0	38	GREECE. ML 3.5 (ATH), 3.4 (THE).
	17	10	31	14.2&	40.822	N	124.300	W	23					7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.9 (BRK).
	17	10	40	17.5	40.453	N	21.833	E	10	G			1.1	9	GREECE. ML 3.0 (THE).
a	17	11	03	24.7	18.080	S	69.626	W	106	D	5.6		1.1	298	NORTHERN CHILE. mb 5.8 (BRK). Felt (V) at Arica, (IV) at Putre and (III) at Iquique. Landslides accurred in the Arica area. Also felt (IV) at Tacna and (III) at Arequipa, Peru.
	17	11	25	55.4&	63.190	N	150.587	W	132					23	CENTRAL ALASKA. <AGS-P>.
	17	11	52	45.9*	27.363	S	67.843	W	107	*	4.4		1.4	27	CATAMARCA PROVINCE, ARGENTINA

a	17	13	21	07.4	38.430	N	74.363	E	114	D	5.5	0.9	364	TAJIK-XINJIANG BORDER REGION. Felt (IV) in the Korgan area and at Murgab; (III) at Dzhirgatal, Fergana, Khorog, Nurek and Osh, USSR. Also felt in the Muzaffarabad area, Kashmir and in the Islamabad area, Pakistan.
	17	13	59	46.2&	39.717	N	122.727	W	4				6	NORTHERN CALIFORNIA. <BRK>. ML 2.7 (BRK).
a	17	15	59	56.5	25.398	S	178.101	E	614	D	5.8	1.0	229	SOUTH OF FIJI ISLANDS
	17	16	15	12.8?	16.71	N	60.63	W	33	N		0.8	6	LEEWARD ISLANDS. ML 2.6 (FDF).
	17	16	42	00.2?	42.48	N	45.18	E	33	N	3.9	1.1	6	EASTERN CAUCASUS
	17	17	02	40.7&	32.860	N	115.680	W	7				6	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.5 (PAS). Felt (IV) at Imperial and Seeley; (III) at El Centro, California.
	17	17	06	04.1?	50.32	N	19.04	E	10	G		0.1	4	POLAND. ML 2.9 (KRA).
	17	17	37	55.2	14.931	N	147.423	E	35	D	4.8 4.8	0.9	47	MARIANA ISLANDS REGION
	17	17	58	07.6?	19.46	S	176.77	W	33	N	4.6	1.2	15	FIJI ISLANDS REGION
	17	18	49	48.8&	37.372	N	121.753	W	7				21	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Ma=5.0*10**14 Nm (BRK). Felt at Milpitos and San Jose.
	17	18	54	11.1*	4.243	N	96.034	E	33	N	4.7 4.6	1.2	16	NORTHERN SUMATERA
	17	19	32	41.2&	32.860	N	115.680	W	7				8	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS). Felt at Imperial, Califarnia.
	17	19	32	50.2?	31.50	S	68.61	W	100	G		0.2	4	SAN JUAN PROVINCE, ARGENTINA
	17	19	46	04.3?	31.13	S	68.71	W	100	G		0.2	4	SAN JUAN PROVINCE, ARGENTINA
	17	19	51	18.1*	15.B90	N	95.476	W	52	*	4.6	1.5	10	NEAR COAST OF OAXACA, MEXICO
	17	19	58	03.6?	14.81	S	72.68	W	100	G		0.5	4	PERU
	17	20	07	54.0*	17.840	S	178.648	W	586	?	4.5	0.9	40	FIJI ISLANDS REGION
	17	20	17	43.8?	37.73	N	14.87	E	10	G		0.4	4	SICILY
	17	22	21	07.8%	37.723	N	14.845	E	19	*		0.7	7	SICILY
	17	22	21	26.3%	37.796	N	14.864	E	30			0.8	14	SICILY
	17	22	35	32.2&	58.776	N	153.872	W	119				7	KODIAK ISLAND REGION. <AGS-P>.
	17	22	41	07.8%	37.916	N	14.771	E	10	G		0.9	5	SICILY
	17	23	02	22.5%	37.736	N	14.841	E	19	*		1.2	9	SICILY
	17	23	25	50.8*	39.508	N	143.267	E	33	N	4.8	1.0	37	OFF EAST COAST OF HONSHU, JAPAN
a	17	23	28	00.1	26.619	N	127.846	E	33	G	6.0 5.7	0.9	389	RYUKYU ISLANDS. Ms 5.3 (BRK). Felt (III JMA) at Naha; (I JMA) at Naze and an Miyako-jima and Kume-jima. Depth from broadband displacement seismograms.
	17	23	33	18.8*	40.670	N	21.574	E	5	G		0.5	5	GREECE. ML 2.1 (SKO), 1.9 (THE).
	18	00	23	55.2	40.971	N	12.671	E	10	G		0.8	10	TYRRHENIAN SEA
	18	00	29	24.6?	31.22	S	68.48	W	100	G		0.0	4	SAN JUAN PROVINCE, ARGENTINA
	18	00	40	02.4%	40.275	N	23.309	E	5	G		0.5	7	GREECE. ML 1.8 (THE).
	18	00	48	08.9?	31.53	S	68.58	W	100	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	18	01	44	21.0*	15.196	S	168.018	E	33	N	5.0	1.3	53	VANUATU ISLANDS
	18	02	21	51.5%	45.154	N	6.524	E	5	G		0.0	5	FRANCE
	18	02	38	50.5*	14.903	S	71.809	W	33	N		1.2	7	PERU
	18	02	52	10.3*	40.119	N	19.631	E	10	G		0.8	8	ALBANIA
	18	03	01	06.8&	36.638	N	121.312	W	6				14	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	18	03	02	39.4&	36.635	N	121.307	W	7				12	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	18	03	30	43.5	4.157	S	102.475	E	78	*	5.2	1.1	85	SOUTHERN SUMATERA
	18	03	44	34.2%	37.988	N	14.769	E	10	G		1.3	6	SICILY
	18	04	04	25.5%	37.854	N	15.228	E	10	G		0.8	5	SICILY
	18	05	07	23.8%	37.726	N	14.896	E	10	G		1.1	7	SICILY
	18	06	21	13.3	40.660	N	15.712	E	10	G		0.8	12	SOUTHERN ITALY
	18	06	23	04.6%	37.342	N	2.568	W	10	G		0.3	5	SPAIN. mbLg 2.7 (MDD).
	18	06	32	11.5?	13.55	N	90.43	W	33	N	4.0	0.5	9	NEAR COAST OF GUATEMALA
	18	08	30	04.0	29.948	N	138.824	E	422	*	4.5	0.8	39	SOUTH OF HONSHU, JAPAN. Felt (IV) an Okinawa.
	18	08	59	34.8*	36.319	N	22.385	E	5	G		1.7	17	SOUTHERN GREECE. ML 3.3 (ATH).
	18	10	57	25.9*	40.410	N	27.061	E	10	G		1.4	11	TURKEY
	18	11	04	56.0*	45.824	N	149.616	E	33	N	4.8	1.0	29	KURIL ISLANDS
	18	11	22	56.0	43.949	N	141.693	E	201	D	4.9	0.8	183	HOKKAIDO, JAPAN REGION
	18	12	05	22.5*	13.744	N	60.940	W	33	N		0.2	10	WINDWARD ISLANDS. MD 3.4 (TRN). ML 2.9 (FDF).
	18	12	37	35.7	42.496	N	24.218	E	10	G		1.1	15	BULGARIA. ML 2.9 (THE).
	18	13	07	06.7%	40.830	N	29.469	E	10	G		0.5	7	TURKEY
	18	13	21	55.4%	42.876	N	0.725	W	5	G		0.0	6	PYRENEES. MD 1.7 (STR).
	18	14	36	31.1&	36.643	N	121.315	W	6				15	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	18	15	11	19.2*	51.248	N	15.918	E	10	G		0.1	6	POLAND
	18	16	06	01.5%	37.700	N	14.827	E	10	G		1.0	6	SICILY
	18	16	43	00.4?	2.50	N	79.56	W	32	*		0.8	8	SOUTH OF PANAMA
	18	17	14	59.6%	37.699	N	14.864	E	10	G		1.3	5	SICILY
	18	18	25	41.1	37.652	N	22.753	E	33	N		1.3	17	SOUTHERN GREECE. ML 2.8 (ATH), 2.8 (THE).
	18	18	27	47.2%	44.883	N	3.028	E	10	G		1.0	11	FRANCE. ML 2.5 (LDG).
	18	18	27	51.2*	31.713	N	24.796	E	10	G		1.5	12	NEAR COAST OF LIBYA. MD 4.3 (HLW).
	18	19	06	11.0&	46.442	N	122.338	W	19				59	WASHINGTON. <SEA>. CL 2.9 (SEA).
	18	20	00	09.0&	48.826	N	122.130	W	2				22	WASHINGTON. <SEA>. CL 2.5 (SEA). Felt (III) at Deming.
	18	20	40	32.1&	59.805	N	152.900	W	95				18	SOUTHERN ALASKA. <AGS-P>.
	18	21	58	44.9?	41.63	N	12.71	E	10	G		0.6	4	SOUTHERN ITALY
	18	22	03	50.4%	40.216	N	29.277	E	10	G		0.9	5	TURKEY
	18	23	00	26.2	43.954	N	18.307	E	5	G		1.2	23	YUGOSLAVIA. ML 2.5 (TTG).
	18	23	40	28.7?	42.90	N	8.81	W	10	G		0.1	4	SPAIN. mbLg 2.8 (MDD).
	18	23	45	01.6	39.330	N	21.660	E	33	N		1.4	17	GREECE. ML 3.2 (ATH), 2.9 (THE).
	19	00	17	47.8	40.225	N	23.916	E	5	G		0.7	9	GREECE. ML 2.3 (THE).
	19	00	36	54.4*	5.604	S	145.853	E	111	*	3.8	1.0	8	EAST PAPUA NEW GUINEA REGION
	19	01	30	20.2?	31.55	S	68.87	W	110	G		0.3	5	SAN JUAN PROVINCE, ARGENTINA
	19	01	43	10.5%	39.686	N	16.816	E	5	G		1.3	6	SOUTHERN ITALY
	19	02	11	30.2&	61.731	N	149.588	W	37				42	SOUTHERN ALASKA. <AGS-P>. ML 3.3 (PMR). Felt (II) at Palmer.
	19	02	18	55.7*	25.517	N	91.063	E	33	N		0.5	6	INDIA-BANGLADESH BORDER REGION
	19	02	29	51.2&	60.067	N	151.987	W	72				13	KENAI PENINSULA, ALASKA. <AGS-P>.
	19	03	10	44.5&	61.717	N	148 072	W	34				28	SOUTHERN ALASKA. <AGS-P>.
	19	04	36	06.2*	33.746	N	89.755	E	33	N	4.1	1.1	5	TIBET
	19	05	29	21.1&	61.612	N	149.804	W	50				20	SOUTHERN ALASKA. <AGS-P>.
	19	05	29	45.2*	34.176	N	26.786	E	33	N		1.0	6	CRETE
	19	05	30	48.4*	36.979	N	21.570	E	10	G		1.2	10	SOUTHERN GREECE. ML 3.3 (ATH).
	19	06	04	05.8?	37.83	N	20.73	E	5	G		1.4	4	IONIAN SEA. ML 3.4 (ATH).
a	19	06	46	35.8	40.213	N	143.253	E	27	D	5.4 4.8	1.0	191	OFF EAST COAST OF HONSHU, JAPAN

	19	07	05	49.5%	40.198	N	29.290	E	10	G			1.4	10	TURKEY
	19	08	27	53.9?	43.19	N	2.53	E	10	G			0.8	5	FRANCE ML 2 6 (LDG).
	19	09	28	02.8	1.356	N	124.137	E	31	D	5.0	4.3	1 2	49	MINAHASSA PENINSULA
	19	12	57	31.6*	36.169	N	99.913	E	33	N	4.0		1.4	7	QINGHAI PROVINCE, CHINA. ML 4.3 (BJI).
a	19	13	27	41.0	13.081	N	143.841	E	141		5.4		1.0	176	SOUTH OF MARIANA ISLANDS. Felt (III) on Guam.
	19	13	37	36.5	17.321	N	101.203	W	30	D	5.0	4.3	1.2	80	NEAR COAST OF GUERRERO, MEXICO. Felt in Guerrero, Michoacan and (III) at Mexico City.
	19	14	17	54.5	36.484	N	70.838	E	194	*	4.3		1.2	44	HINDU KUSH REGION. Felt (II) at Kharag, USSR.
	19	14	34	47.4*	9.629	S	120.499	E	33	N	4.1		1.2	7	SUMBA ISLAND REGION
	19	15	22	38.5?	31.31	S	68.44	W	72	*			0.3	7	SAN JUAN PROVINCE, ARGENTINA
	19	15	48	08.2	27.273	N	140.301	E	340	*	4.6		1.0	52	BONIN ISLANDS REGION
	19	16	12	20.2%	40.378	N	30.615	E	10	G			1.0	5	TURKEY
	19	16	32	29.6*	24.516	S	69.631	W	33	N			1 1	7	NORTHERN CHILE
	19	17	09	23.6?	37.82	S	146.32	E	5	G			0.5	5	NEAR S.E. COAST OF AUSTRALIA. ML 3.5 (BFD), 3.2 (CNB).
	19	17	44	02.5	13.793	N	60.985	W	17		4.6		0.8	38	WINDWARD ISLANDS. MD 4.6 (TRN). ML 4.5 (FDF). Felt on St. Lucia. Also felt (II) on Martinique.
	19	17	55	59.3&	36.297	N	120.358	W	12					21	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK), 3.2 (PAS).
	19	19	27	44.6%	44.411	N	7.312	E	10	G			1.0	8	NORTHERN ITALY. ML 2.0 (GEN).
	19	19	41	12.3%	43.847	N	11.169	E	10	G			0.3	5	CENTRAL ITALY
	19	19	48	14.4?	43.42	N	12.16	E	10	G			0.4	4	CENTRAL ITALY
	19	19	54	01.9?	51.58	N	7.69	E	10	G			0.0	4	GERMANY. MD 2.5 (UCC).
	19	20	48	57.0&	36.687	N	121.467	W	6					17	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=1.4*10**14 Nm (BRK). Some readings obscured by a small event 1.6 seconds earlier (BRK).
	19	22	27	07.5?	34.35	N	25.22	E	10	G			1.2	5	CRETE
	19	22	41	42.5&	58.872	N	152.263	W	60					16	KODIAK ISLAND REGION. <AGS-P>.
	19	23	33	04.2*	36.570	N	71.526	E	33	N	4.0		0.3	5	AFGHANISTAN-USSR BORDER REGION
	20	01	25	14.0*	16.343	N	145.829	E	33	N	4.0		0.4	7	MARIANA ISLANDS
	20	01	31	29.4%	40.646	N	15.855	E	5	G			1.2	8	SOUTHERN ITALY
	20	02	02	32.4&	59.100	N	153.730	W	97					26	SOUTHERN ALASKA. <AGS-P>.
f	20	02	22	01.6	5.121	N	32.145	E	15	G	6.7	7.1	1.1	494	SUDAN. Ms 7.4 (BRK), 7.2 (PAS). Mo=1.6*10**20 Nm (PPT). Some buildings damaged in the Juba area. Also some damage in the Maya area, Uganda. Felt in the Nakura area, Kenya and in Ugando. Depth from broadband displacement seismograms.
	20	02	44	03.1	29.436	N	128.167	E	33	N	5.0		1.0	20	EAST CHINA SEA
	20	04	54	43.9?	48.63	N	8.57	E	10	G			0.9	4	GERMANY. ML 3.0 (LDG).
	20	05	19	49.0*	37.566	N	20.971	E	10	G			0.8	5	IONIAN SEA. ML 3.6 (ATH).
	20	05	27	17.7?	44.28	N	10.88	E	10	G			0.2	4	NORTHERN ITALY
	20	05	38	32.4	15.458	N	147.739	E	33	N	4.4		0.8	23	MARIANA ISLANDS REGION
	20	05	47	04.9	36.058	N	100.130	E	15	D	4.8		1.1	59	QINGHAI PROVINCE, CHINA. ML 4.5 (BJI).
	20	05	57	22.7	37.751	N	20.849	E	10	G	4.5		1.2	65	IONIAN SEA. ML 4.1 (TTG), 4.0 (ATH).
	20	06	04	00.4?	19.19	S	177.90	W	596	?	4.5		1.1	13	FIJI ISLANDS REGION
	20	06	41	23.4*	4.541	N	32.179	E	10	G	4.6		0.9	24	SUDAN
	20	06	43	45.3	43.874	N	147.623	E	18	D	5.7	4.8	0.9	266	KURIL ISLANDS. Felt (V) on Shikotan and (III) at Goryachiy Klyuchi, Kurilsk and Yuzhno-Kurilsk.
a	20	07	32	37.2	18.102	S	175.130	W	232	G	5.9		1.0	341	TONGA ISLANDS. mb 6.2 (PAS), 6.1 (BRK). Depth from broadband displacement seismograms.
	20	08	29	34.1?	0.06	S	77.72	W	10	G			0.2	7	ECUADOR
	20	08	34	59.5*	14.243	N	147.398	E	33	N			0.5	7	MARIANA ISLANDS REGION
	20	08	53	31.8%	41.726	N	12.735	E	10	G			0.8	6	SOUTHERN ITALY
	20	09	10	02.3	28.458	N	83.343	E	33	N	4.8		0.8	60	NEPAL. ML 4.9 (NDI).
	20	09	24	25.3*	37.878	N	20.922	E	5	G			1.6	6	IONIAN SEA. MD 3.4 (ATH).
a	20	09	53	47.4	32.500	S	179.624	E	346	D	5.6		1.1	346	SOUTH OF KERMADEC ISLANDS. mb 6.4 (BRK).
	20	10	14	29.3&	60.019	N	141.112	W	0					26	SOUTHEASTERN ALASKA. <AGS-P>.
	20	10	27	05.4*	68.231	N	10.698	E	33	N			0.8	8	NORWEGIAN SEA. MD 3.5 (BER).
	20	11	20	10.7*	29.403	N	16.860	W	33	N			0.6	6	CANARY ISLANDS REGION. MD 3.9 (MDD).
	20	11	54	55.8?	44.14	N	148.48	E	69	?	4.4		1.6	16	KURIL ISLANDS
	20	12	57	30.8?	16.53	N	99.86	W	5	G			1.2	5	NEAR COAST OF GUERRERO, MEXICO
	20	13	00	49.0*	15.829	N	147.426	E	33	N	3.8		0.4	7	MARIANA ISLANDS REGION
	20	13	12	59.6	43.000	N	19.197	E	5	G			0.8	9	YUGOSLAVIA MD 2.7 (TTG).
	20	13	42	03.7	53.120	N	108.324	E	33	N	4.3		1.3	33	LAKE BAIKAL REGION
	20	13	42	38.1	30.230	S	72.174	W	24		5.0	4.3	1.2	42	OFF COAST OF CENTRAL CHILE
	20	13	57	42.2	42.998	N	19.180	E	10	G			1.5	8	YUGOSLAVIA. ML 2.2 (TTG).
	20	14	51	09.1?	34.41	S	71.81	W	77				0.7	19	NEAR COAST OF CENTRAL CHILE. Felt (III) in the Rancagua area and (II) in the Santiago area.
	20	16	38	35.8?	36.74	N	28.40	E	10	G			0.8	5	DODECANESE ISLANDS
	20	17	15	02.6?	20.27	N	63.26	W	79	?	4.3		1.0	17	NORTH ATLANTIC OCEAN
	20	18	01	57.3*	28.260	N	83.193	E	62	?	4.5		0.8	14	NEPAL
	20	18	26	25.2?	44.24	N	17.12	E	33	N			0.8	9	YUGOSLAVIA. ML 2.8 (ZAG), 2.3 (LJU).
	20	19	30	44.5	5.143	N	31.976	E	10	G	4.5		0.8	27	SUDAN
	20	19	41	13.4?	42.35	N	13.59	E	10	G			0.3	4	CENTRAL ITALY
	20	19	45	50.1?	13.23	S	77.38	W	33	N			1.1	7	OFF COAST OF PERU
	20	19	59	43.9	39.687	N	20.365	E	10	G	3.3		1.2	32	GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH). ML 3.2 (THE).
	20	20	36	38.3*	51.050	N	177.478	W	33	N	3.6		1.4	12	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (IV) on Adak.
	20	20	51	47.9?	37.56	N	20.44	E	10	G			0.0	4	IONIAN SEA. MD 3.2 (ATH).
	20	21	50	28.9?	40.66	N	15.74	E	10	G			1.3	4	SOUTHERN ITALY
	20	23	33	28.4*	15.017	N	147.744	E	33	N	4.0		0.5	7	MARIANA ISLANDS REGION
	21	00	42	03.9?	31.87	S	68.55	W	72	?			0.6	6	SAN JUAN PROVINCE, ARGENTINA
	21	02	44	03.9	39.741	N	20.651	E	10	G			0.5	7	GREECE-ALBANIA BORDER REGION
	21	02	44	33.9	40.275	N	77.718	E	33	N	4.5	4.1	0.6	36	KIRGHIZ-XINJIANG BORDER REGION
	21	04	10	51.1	43.281	N	19.774	E	10	G			1.2	12	YUGOSLAVIA. ML 2.7 (TTG).
	21	04	37	16.0%	37.800	N	15.272	E	10	G			0.9	5	SICILY
	21	05	11	09.9&	42.490	N	110.932	W	0					5	WYOMING. <SLC-P>. ML 2.6 (SLC).
	21	05	17	16.9?	31.65	S	67.68	W	10	G			0.5	6	SAN JUAN PROVINCE, ARGENTINA
	21	06	30	39.2*	52.270	N	174.817	W	240	*	4.2		0.6	14	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (II) on Adak.
	21	06	34	30.0?	1.23	S	77.78	W	15				0.7	8	ECUADOR
	21	07	13	27.3%	38.303	N	22.691	E	10	G			1.2	5	GREECE. ML 2.8 (ATH).
	21	07	34	08.3%	40.549	N	23.884	E	10	G			0.8	7	GREECE
	21	07	48	49.0	39.994	N	20.610	E	10	G			1.1	19	GREECE-ALBANIA BORDER REGION. MD 3.8 (ATH).
	21	08	16	42.7?	33.54	N	32.31	E	10	G			1.3	5	EASTERN MEDITERRANEAN SEA. Felt at Paphos, Cyprus.
	21	08	40	59.7*	41.398	N	141.949	E	83	?	4.8		1.2	52	HOKKAIDO, JAPAN REGION

	21	09	49	18.5	40.633	N	23.145	E	10	G			1.1	18	GREECE. MD 2.9 (THE). ML 2.9 (SKO).
	21	09	50	12.7*	36.448	N	72.269	E	33	N	4.3		0.8	8	AFGHANISTAN-USSR BORDER REGION
	21	10	49	16.7&	37.500	N	118.420	W	4					10	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.6 (BRK). 3.1 (PAS).
	21	11	19	03.2*	34.630	S	71.526	W	76	*	4.8		1.2	21	NEAR COAST OF CENTRAL CHILE
a	21	13	00	09.7	53.558	N	163.537	W	33	N	5.7	5.3	0.9	328	UNIMAK ISLAND REGION. ML 5.7 (PMR). Ms 5.4 (BRK).
a	21	13	24	36.6	8.137	S	109.043	E	28	D	5.5	5.2	1.1	216	JAVA
	21	13	26	06.8*	35.893	N	137.811	E	10	G	3.9		1.3	6	HONSHU, JAPAN
	21	13	41	07.8?	33.90	S	71.88	W	10	G			0.3	10	NEAR COAST OF CENTRAL CHILE
	21	16	31	48.4?	47.31	N	11.23	E	10	G			0.1	4	AUSTRIA. ML 1.9 (VIE).
	21	19	18	09.9?	43.71	N	7.13	E	10	G			0.1	4	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
	21	20	48	49.9	40.374	N	29.173	E	10				1.3	15	TURKEY
	21	20	50	55.1?	11.10	S	161.91	E	86	?	4.5		1.0	10	SOLOMON ISLANDS
	21	20	59	27.5?	32.82	S	178.43	W	65	?	5.3	5.0	1.7	26	SOUTH OF KERMADEC ISLANDS
	21	21	03	15.0	38.231	N	22.166	E	10	G			1.0	8	GREECE. ML 2.9 (ATH).
	21	21	17	37 4*	31.459	N	50.918	E	33	N	4.1		1.4	11	IRAN
	21	21	20	54.2	39.930	N	20.683	E	10	G			0.9	11	GREECE-ALBANIA BORDER REGION. ML 4.0 (ATH).
	21	22	26	55.9?	32.61	S	177.93	W	33	N	4.6		1.6	6	SOUTH OF KERMADEC ISLANDS
	21	22	38	34.6%	12.834	S	76.220	W	33	N			0.9	5	NEAR COAST OF PERU
	21	22	54	12.6&	61.360	N	144.976	W	42		4.4			82	SOUTHERN ALASKA. <AGS-P>. ML 4.6 (PMR). Felt (III) at Valdez.
	22	00	47	36.9?	12.70	S	76.54	W	33	N			0.7	4	NEAR COAST OF PERU
	22	01	00	00.2%	12.712	S	76.537	W	33	N			0.5	5	NEAR COAST OF PERU
	22	01	19	37.5	44.472	N	7.010	E	10	G			0.5	17	NORTHERN ITALY. ML 2.2 (GEN), 2.3 (LDG).
	22	02	06	34.6%	44.501	N	7.050	E	10	G			0.8	5	NORTHERN ITALY. ML 1.8 (LDG).
	22	02	42	53.0	41.700	N	13.900	E	10	G			0.7	13	SOUTHERN ITALY
	22	04	20	44.6?	49.53	N	7.67	E	10	G			0.4	9	GERMANY. ML 3.0 (LDG).
	22	06	17	43.9?	31.12	S	68.80	W	109	*			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	22	07	32	20.5?	37.75	N	14.85	E	10	G			0.7	4	SICILY
	22	08	21	37.7?	18.04	N	101.61	W	33	N			1.4	7	GUERRERO, MEXICO
	22	08	26	49.2*	19.789	S	70.602	W	33	N			1.2	5	NEAR COAST OF NORTHERN CHILE
	22	08	28	34.1?	13.55	N	85.21	W	33	N	4.3		1.6	8	NICARAGUA
	22	08	53	23.5	21.054	S	178.796	W	628	*	4.6		0.6	53	FIJI ISLANDS REGION
	22	09	00	23.3*	29.765	N	90.228	E	33	N	3.9		1.4	10	TIBET
	22	09	29	01.0%	43.109	N	0.620	W	5	G			0.3	9	PYRENEES. MD 1.0 (STR).
	22	09	47	34 8?	31.50	S	68.67	W	71	*			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	22	10	22	05.3?	45.36	N	2.50	E	10	G			0.6	4	FRANCE. MD 1.8 (STR).
	22	10	42	31.3?	43.97	N	11.91	E	10	G			0.1	4	CENTRAL ITALY
	22	11	23	00.9	17.840	S	178.702	W	576		4.8		0.9	91	FIJI ISLANDS REGION
	22	11	31	25.4?	40.94	N	2.14	W	10	G			0.5	4	SPAIN. mbLg 2.6 (MDD).
	22	11	37	48 7	23.083	N	120.509	E	30		4.0		1.4	22	TAIWAN
	22	12	19	14.6*	15.349	N	92.861	W	10	G	4.2		0.1	5	MEXICO-GUATEMALA BORDER REGION
a	22	13	25	36.3*	36.299	S	97.876	W	33	N	5.4	5.6	1.2	54	WEST CHILE RISE. Ms 5.7 (PAS).
	22	14	16	16 9%	40.411	N	15.474	E	10	G			0.3	5	SOUTHERN ITALY
	22	14	21	56.8%	43.929	N	11.913	E	10	G			0.4	7	CENTRAL ITALY
	22	14	28	26.9%	43.923	N	11.924	E	10	G			0.6	8	CENTRAL ITALY
	22	14	32	20.7?	51.21	N	16.08	E	10	G			1.2	5	POLAND
	22	14	37	20.5%	43.914	N	11.821	E	10	G			1.1	5	CENTRAL ITALY
	22	15	05	49.4	43.964	N	11.916	E	10	G			0.8	11	CENTRAL ITALY
	22	15	30	51.3?	43.97	N	11.83	E	10	G			0.8	4	CENTRAL ITALY
	22	15	54	28.5?	64.59	S	175.38	E	10	G	4.6	4.7	1.3	8	BALLENY ISLANDS REGION
	22	16	44	41.7*	53 687	S	140.012	E	10	G	4.7		1.2	17	WEST OF MACQUARIE ISLAND
	22	17	13	24.5%	44.024	N	11.873	E	10	G			0.4	7	NORTHERN ITALY
	22	17	38	21.3*	37.314	N	72.602	E	33	N	4.0		0.7	6	TAJIK SSR
	22	17	41	01.8%	67.029	N	20.853	E	10	G			1.2	5	SWEDEN. MD 2.6 (BER).
	22	17	59	44.1	4.691	S	103.173	E	88	*	5.1		1.0	49	SOUTHERN SUMATERA
a	22	20	35	38.5	19.741	N	76.023	W	14		5.1	4.9	1.0	175	CUBA REGION. MD 5.1 (TRN). Felt (VI) in the Santiago de Cuba area.
	22	20	47	31.6*	0.499	N	123.499	E	280	?	4.6		0.9	17	MINAHASSA PENINSULA
	22	20	53	28.8?	36.22	N	27.27	E	10	G			0.8	4	DODECANESE ISLANDS
	22	21	25	35.9?	43.61	N	4.62	E	10	G			1.4	6	NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG).
	22	21	44	47.8*	19.911	S	133.969	E	5	G			0.8	5	NORTHERN TERRITORY, AUSTRALIA
	22	22	21	42.2	45.874	N	2.993	E	10	G			0.4	14	FRANCE. ML 2.3 (LDG).
	22	23	07	18.6	43.913	N	11.921	E	10	G			0.7	10	CENTRAL ITALY
	23	00	35	04.1%	44.627	N	7.245	E	10	G			0.3	7	NORTHERN ITALY. ML 2.0 (GEN).
	23	01	01	20.4?	31.63	S	68.80	W	23	?			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	23	01	02	27.3&	48.838	N	122.175	W	1		3.4			47	WASHINGTON. <SEA>. CL 3.6 (SEA). Felt (V) at Deming.
	23	01	15	04.6	43.934	N	128.481	W	10	G	4.8	4.9	1.0	64	OFF COAST OF OREGON
	23	01	40	37.5?	44.17	N	127.40	W	10	G	3.3		0.4	22	OFF COAST OF OREGON
	23	02	07	35.2&	40.502	N	123.855	W	25					9	NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt at Fortuna and Ria Dell.
	23	02	32	32.4%	42.299	N	13.341	E	10	G			1.0	5	CENTRAL ITALY
	23	02	35	14.5?	27.30	N	129.68	E	33	N	3.8		0.4	4	RYUKYU ISLANDS
	23	03	10	04.8	43.946	N	128.358	W	10	G	4.4	4.2	0.8	69	OFF COAST OF OREGON
	23	03	29	32.1?	32.55	N	2.65	W	10	G			0.2	4	MOROCCO. MD 4.4 (RBA).
	23	03	45	26.0	15.264	N	147.588	E	33	N	4.4		0.6	15	MARIANA ISLANDS REGION
	23	03	55	00.1	4.213	S	136.249	E	33	N	5.1		1.1	19	WEST IRIAN REGION
	23	05	49	52.6&	62.491	N	148.350	W	7					38	CENTRAL ALASKA. <AGS-P>.
	23	05	54	01.5*	37.672	N	20.811	E	10	G			1.5	6	IONIAN SEA. ML 3.7 (ATH).
	23	06	13	02.4?	40.17	N	116.57	E	10	G			1.2	4	NORTHEASTERN CHINA. ML 3.7 (BJI).
	23	07	11	02.3?	0.35	S	78.93	W	10	G			0.3	5	ECUADOR
	23	07	24	26.9?	30.55	S	116.79	E	10	G			0.3	4	WESTERN AUSTRALIA
	23	08	45	15.8	40.493	N	29.202	E	10	G			0.3	9	TURKEY
	23	09	29	04.2%	39.250	N	29.426	E	10	G			1.4	8	TURKEY
	23	09	43	03.9	13.730	N	60.623	W	10	G			0.2	11	WINDWARD ISLANDS. MD 3.1 (TRN). ML 2.7 (FDF).
a	23	09	57	21.6	2.920	S	141.551	E	53	*	4.8	4.6	1.2	58	NEAR N COAST OF PAPUA NEW GUINEA
	23	10	37	25.6?	21.76	S	174.67	W	33	N	4.8		1.0	9	TONGA ISLANDS
	23	10	50	55.1	8.289	S	156.268	E	33	N	4.7		1.0	15	SOLOMON ISLANDS
	23	10	51	49.4*	39.948	N	76.624	E	33	N	4.4		0.7	6	SOUTHERN XINJIANG, CHINA
	23	12	26	49.7?	5.49	N	31.68	E	10	G	4.9		1.0	20	SUDAN
a	23	12	52	25.1	20.634	N	120.894	E	35	D	5.5	4.6	0.8	166	PHILIPPINE ISLANDS REGION
	23	15	05	10.9	32.468	S	71.323	W	21				0.9	14	NEAR COAST OF CENTRAL CHILE
	23	16	06	03.8?	58.96	N	5.97	E	10	G			0.5	5	SOUTHERN NORWAY. MD 1.8 (BER).

	23	16	07	44.1	4.920	N	94.475	E	51	D	5.0	0.8	81	OFF W COAST OF NORTHERN SUMATERA
	23	16	27	42.6	30.200	S	179.101	E	519		4.6	0.9	69	KERMADEC ISLANDS REGION
	23	16	55	52.5	14.649	N	147.225	E	43	D	4.4	0.9	32	MARIANA ISLANDS REGION
	23	17	26	09.9	39.202	N	29.444	E	26	*		1.0	10	TURKEY
	23	17	47	30.0*	33.377	N	138.264	E	295	*	4.4	0.8	23	SOUTH OF HONSHU, JAPAN
	23	19	09	35.3%	58.544	N	10.442	E	10	G		0.6	7	SWEDEN. MD 2.5 (BER).
a	23	19	35	14.9	7.343	S	128.803	E	129	D	5.5	0.9	182	BANDA SEA
a	23	20	59	37.4	18.890	S	168.858	E	162	D	5.6	1.0	196	VANUATU ISLANDS
	23	21	39	13.2*	14.269	N	60.128	W	33	N		0.3	13	WINDWARD ISLANDS. MD 3.4 (TRN). ML 3.3 (FDF).
	23	21	44	45.5?	15.02	S	75.62	W	33	N		0.5	5	NEAR COAST OF PERU
	23	21	55	22.2	41.626	N	20.051	E	10	G		0.7	7	ALBANIA. ML 2.2 (TTG).
	23	22	12	21.6?	44.22	N	11.16	E	10	G		0.2	4	NORTHERN ITALY
	23	22	51	59.0	35.775	N	1.220	W	29			1.0	32	ALGERIA. mbLg 3.9 (MDD).
	23	22	58	26.1&	60.645	N	151.738	W	67				32	KENAI PENINSULA, ALASKA. <AGS-P>.
	23	23	25	09.3	41.824	N	19.261	E	13			1.0	55	ALBANIA. MD 3.4 (TTG), 3.7 (ATH). Felt (IV) at Ulcinj, Yugoslavia.
	24	00	07	16.8%	36.922	N	5.625	W	10	G		1.3	5	STRAIT OF GIBRALTAR
	24	00	33	06.2*	28.741	N	142.598	E	33	N	4.5	1.0	18	BONIN ISLANDS REGION
	24	01	35	05 7*	29.745	N	50.224	E	33	N	3.8	0.3	6	SOUTHERN IRAN
	24	01	54	09.5*	37.605	N	20.734	E	10	G		1.0	15	IONIAN SEA. ML 3.6 (ATH).
	24	01	55	18.6	32.206	S	69.199	W	17			0.7	17	MENDOZA PROVINCE, ARGENTINA
	24	03	14	40.9?	45.93	N	2.81	E	10	G		0.8	5	FRANCE. ML 1.5 (LDG).
	24	03	47	14.6*	23.083	S	69.428	W	64	?	3.7	1.4	7	NORTHERN CHILE. Felt (III) in the Antafogasta area.
	24	04	06	32.0	17.927	S	178.557	W	590		5.2	0.8	143	FIJI ISLANDS REGION
	24	05	49	05.1	39.995	N	27.500	E	15		4.1	1.1	71	TURKEY
	24	07	46	30.7&	65.446	N	148 699	W	13		2.6		39	ALASKA. <AGS-P>.
	24	08	23	04.3	45.871	N	14.686	E	10	G		1.2	11	YUGOSLAVIA. MO 3.8 (LJU). Slight damage (V) at Velike Lasce. Also felt at Grosuplje.
	24	08	39	34.7?	30.90	S	68.89	W	10	G		1.2	4	SAN JUAN PROVINCE, ARGENTINA
	24	09	03	48.8*	26.600	N	95.522	E	82	*	4.8	0.8	10	BURMA-INDIA BORDER REGION
	24	09	29	30.3%	44.216	N	7.467	E	10	G		0.3	5	NORTHERN ITALY
	24	09	52	06.7?	57.44	N	11.77	E	5	G		0.8	7	SWEDEN. MD 3.6 (BER).
	24	09	56	39.9?	18.01	N	61.74	W	35	?		0.8	18	LEEWARD ISLANDS. MD 4.3 (TRN). ML 4.1 (FDF).
	24	12	09	39.2	28.180	N	129.688	E	31		4.9 4.5	1.3	82	RYUKYU ISLANDS
	24	12	41	18.7	1.244	N	123.031	E	8		4.7 4.4	1.0	31	MINAHASSA PENINSULA
	24	13	16	19.9	1.330	N	123.037	E	46	*	4.7 4.4	1.1	33	MINAHASSA PENINSULA
	24	14	10	22.1?	20.38	S	178.13	W	546	?	4.1	0.3	10	FIJI ISLANDS REGION
	24	14	40	09.9%	31.438	N	36.330	E	10	G		1.1	7	DEAD SEA REGION
	24	15	12	17.1	32.944	N	46.801	E	59		4.9	1.0	112	IRAN-IRAQ BORDER REGION
	24	15	49	24.9*	36.586	N	70.990	E	173	?	4.4	1.1	17	HINDU KUSH REGION
	24	16	58	21.3	44 621	N	9.171	E	10	G		0 4	10	NORTHERN ITALY. ML 2.0 (GEN).
	24	17	16	13.6*	40.701	N	30.251	E	10	G		0.6	6	TURKEY
	24	17	18	39.9	37.763	N	20.850	E	50		4.4	1.2	80	IONIAN SEA. MD 4.2 (ATH).
	24	17	21	19.7	38.814	N	25.614	E	33	N		1.2	13	AEGEAN SEA. ML 3.4 (ATH).
	24	18	02	13.5*	19.978	S	68.585	W	119	*	5.0	1.3	13	CHILE-BOLIVIA BORDER REGION
	24	18	51	49 3	37.676	N	20.929	E	19		4.2	1.2	50	IONIAN SEA. ML 4.0 (ATH).
	24	19	02	23.8	37.743	N	20.925	E	10	G	3.7	1.0	16	IONIAN SEA. ML 3.5 (ATH).
	24	19	02	28.2*	13.749	N	120.681	E	78	*	4.9	0.7	12	MINDORO, PHILIPPINE ISLANDS
	24	19	09	49.9	37.747	N	20.883	E	10	G	3.7	1.1	22	IONIAN SEA. ML 3.8 (ATH).
	24	19	29	09.5*	37.590	N	20.920	E	5	G		1.2	17	IONIAN SEA. ML 3.5 (ATH).
f	24	19	34	44.2	5.277	N	31.829	E	17	G	5.9 6.6	1.1	380	SUDAN. Ms 6.7 (PAS), 6.6 (BRK). Felt in the Juba area. Also felt in the Kapenguria area, Kenya and in Uganda. Depth from broadband displacement seismograms.
	24	19	37	21.2	37.631	N	20.924	E	45	*	4.1	1.1	38	IONIAN SEA
	24	19	39	07.9?	31.28	S	68.65	W	100	G		0.8	5	SAN JUAN PROVINCE, ARGENTINA
	24	19	40	10.9?	38.04	N	21.22	E	10	G		0.5	4	GREECE. ML 3.4 (ATH).
	24	19	59	04 2	37.760	N	20.808	E	10	G	4.4	1.4	42	IONIAN SEA. ML 4.3 (ATH).
a	24	20	00	08.1	5.358	N	31.848	E	16	G	6.5 7.0	1.0	404	SUDAN. Ms 7.0 (BRK), 6.9 (PAS). Mo=1.1*10**20 Nm (PPT). Some buildings damaged in the Juba area. Felt in the Kapenguria area and at Nakura, Kenya. Also felt in Uganda. Depth from broadband displacement seismograms.
	24	20	01	17.4&	58.739	N	153.018	W	69				18	KODIAK ISLAND REGION. <AGS-P>.
a	24	20	09	23.2	7.363	S	120.363	E	589	D	6.4	0.9	412	FLORES SEA
	24	20	30	36.1?	8.18	S	127.88	E	126	?	4.5	1.4	7	TIMOR
	24	21	57	10.4	43.506	N	11.162	E	10	G		0.7	14	CENTRAL ITALY
	24	21	59	20.0?	39.62	N	143.35	E	33	N	4.8	0.6	6	OFF EAST COAST OF HONSHU, JAPAN
	24	22	13	27.0*	34.346	N	24.886	E	10	G		1.1	7	CRETE
	24	22	16	03.3	5.436	N	31.876	E	10	G	5.5	1.0	190	SUDAN
	24	22	27	01.1%	22.922	N	120.703	E	10	G		0.6	6	TAIWAN
	24	22	37	59.0%	41.710	N	14.202	E	10	G		1.0	7	SOUTHERN ITALY
	24	22	42	14.8*	37.792	N	20.866	E	10	G	3.6	1.5	12	IONIAN SEA. ML 3.6 (ATH).
	24	23	19	58.1?	37.73	N	20.66	E	10	G		1.4	5	IONIAN SEA. ML 3.5 (ATH).
	24	23	22	30.5&	62.908	N	150.654	W	108				9	CENTRAL ALASKA. <AGS-P>.
	24	23	37	25.5*	33.198	N	115.561	W	5	G		1.3	7	SOUTHERN CALIFORNIA. ML 3.1 (NEIS).
	25	00	42	31.9	5.425	N	31.848	E	10	G	5.3 5.2	1.0	166	SUDAN
	25	01	02	21.6*	8.129	N	32.035	E	10	G	4.7	0.9	25	SUDAN
	25	01	42	25.5	35.853	N	0.990	W	10	G		0.5	5	ALGERIA
a	25	02	03	27.5	2.871	S	130.338	E	15	G	5.8 5.4	1.0	205	CERAM. Depth from broadband displacement seismograms.
	25	02	49	02.3*	5.358	N	31.328	E	10	G	4.8	1.2	39	SUDAN
	25	04	44	34.9&	63.185	N	150.623	W	134				23	CENTRAL ALASKA. <AGS-P>.
	25	06	12	44.8?	4.49	N	31.49	E	10	G	4.8 4.0	0.5	10	SUDAN
	25	06	31	52.1*	2.936	N	127.288	E	64	?	4.7	0.3	8	MOLUCCA PASSAGE
	25	07	17	07.4	40.180	N	29.363	E	10	G		0.6	9	TURKEY
	25	07	51	32.8*	32.199	S	71.526	W	7			0.7	12	NEAR COAST OF CENTRAL CHILE
	25	08	17	57.7*	31.548	S	68.727	W	33	N		1.6	5	SAN JUAN PROVINCE, ARGENTINA
	25	08	38	01.5?	32.32	S	69.62	W	120	G		0.2	5	MENDOZA PROVINCE, ARGENTINA
	25	10	00	13 1	6.469	S	129.043	E	290		4.8	0.9	75	BANDA SEA
	25	10	27	00.3%	37.090	N	29.399	E	10	G		1.6	5	TURKEY
	25	10	40	49.4*	18.378	S	168.075	E	10	G	3.4	1.1	19	VANUATU ISLANDS
	25	10	58	58.7?	50.40	N	18.81	E	10	G		1.2	4	POLAND. ML 2.8 (KRA).
	25	11	57	30.0%	40.655	N	15.804	E	10	G		0.7	6	SOUTHERN ITALY
	25	13	12	12.4?	18.81	N	66.24	W	10	G		0.9	5	PUERTO RICO REGION
	25	13	15	43.6%	16.118	N	61.272	W	33	N		0.7	6	LEEWARD ISLANDS. ML 2.2 (FDF).

	25	13 44 51.3?	31.57	S	68.14	W	15 *			0.7	6	SAN JUAN PROVINCE, ARGENTINA
	25	13 53 44.0?	23.03	N	120.79	E	10 G			0.6	4	TAIWAN
	25	14 40 44.1?	37.46	N	20.58	E	10 G			1.3	4	IONIAN SEA. ML 3.7 (ATH).
	25	15 04 58.4*	14.845	S	168.001	E	33 N	4.5		1.2	18	VANUATU ISLANDS
	25	15 14 03.9	5.375	N	31.763	E	10 G	4.7	4.3	0.9	21	SUDAN
	25	15 44 47.2	37.960	N	21.029	E	5 G	3.8		1.1	16	SOUTHERN GREECE. ML 3.5 (ATH).
	25	16 20 28.3?	40.60	N	15.89	E	10 G			0.2	4	SOUTHERN ITALY
	25	16 21 47.6	37.222	N	72.954	E	87 ?	4.7		1.4	38	TAJIK SSR. Felt (III) at Khorog.
	25	16 25 31.9	37.087	N	73.113	E	74 *	4.8		1.1	23	TAJIK SSR
	25	16 30 55.8*	3.923	N	126.730	E	49 ?	4.7	4.7	1.2	24	TALAUO ISLANDS
	25	16 59 56.4&	58.188	N	142.651	W	10				9	GULF OF ALASKA. <AGS-P>.
	25	17 08 04.5?	31.33	S	69.46	W	120 G			0.3	6	SAN JUAN PROVINCE, ARGENTINA
	25	17 38 35.5*	3.828	N	126.525	E	74 ?	4.8		0.7	11	TALAUD ISLANDS
	25	18 28 53.3	15.715	N	147.382	E	35 D	5.0	4.2	1.0	65	MARIANA ISLANDS REGION
	25	18 35 28.4%	23.000	N	120.750	E	10 G			0.7	5	TAIWAN
	25	18 37 24.6	0.536	S	19.757	W	10 G	4.6		1.0	46	CENTRAL MID-ATLANTIC RIDGE
	25	18 48 38.6?	23.04	N	120.79	E	10 G			0.5	4	TAIWAN
	25	19 45 04.1*	36.608	N	69.161	E	33 N	4.4		0.9	9	HINDU KUSH REGION
	25	19 57 06.4?	31.35	S	68.65	W	75 ?			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	25	21 04 47.5*	15.664	N	147.625	E	33 N	4.8		1.1	32	MARIANA ISLANDS REGION
	25	21 05 44.1?	27.37	N	142.89	E	33 N	3.9		1.2	9	BONIN ISLANDS REGION
	25	21 23 08.8&	61.243	N	151.694	W	78				57	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Anchorage, Skwentna and Susitna Landing.
	25	21 45 39.2%	1.167	S	78.366	W	10 G			0.2	8	ECUADOR
	25	22 09 11.8*	50.448	N	18.908	E	10 G			0.7	6	POLAND. ML 3.4 (KRA).
	25	22 22 49.8	36.856	N	28.585	E	10 G	4.2		1.2	21	DODECANESE ISLANDS
	25	22 25 01.0?	36.67	N	28.26	E	10 G			0.2	5	DODECANESE ISLANDS
	25	22 29 28.8*	27.854	N	142.876	E	33 N	4.3		1.2	16	BONIN ISLANDS REGION
	25	22 35 25.6*	36.965	N	71.393	E	33 N	4.0		1.5	8	AFGHANISTAN-USSR BORDER REGION
	25	22 56 50.5?	36.63	N	28.05	E	10 G			0.0	4	DODECANESE ISLANDS
	25	23 04 00.7	40.587	N	28.754	E	10 G			0.9	12	TURKEY
	25	23 48 23.0?	36.87	N	28.51	E	10 G			1.2	5	DODECANESE ISLANDS
	26	00 03 29.6?	7.60	S	128.46	E	175 ?	3.5		0.5	8	BANDA SEA
	26	00 27 07.8&	37.278	N	113.351	W	1				1	UTAH. <SLC-P>. CL 2.8 (SLC). Felt at Hurricane and La Verkin.
	26	00 51 42.1	27.624	N	139.713	E	492 *	4.3		0.7	53	BONIN ISLANDS REGION
	26	01 19 46.3*	36.906	N	28.601	E	10 G			1.4	7	DODECANESE ISLANDS
	26	02 30 54.9	16.754	N	61.525	W	25			0.5	20	LEEWARD ISLANDS. ML 3.6 (FDF).
	26	02 56 29.2	63.057	N	24.734	W	10 G	4.6	3.9	0.9	50	ICELAND REGION
a	26	02 57 34.8	1.342	N	123.371	E	34 D	5.2	5.2	1.3	92	MINAHASSA PENINSULA
	26	03 12 14.1*	12.018	N	143.654	E	33 N	4.6		0.8	10	SOUTH OF MARIANA ISLANDS
	26	03 26 30.6	16.737	N	61.549	W	22			0.5	13	LEEWARD ISLANDS. MD 3.3 (TRN). ML 3.3 (FDF).
	26	03 45 07.7&	61.582	N	146.367	W	37				21	SOUTHERN ALASKA. <AGS-P>.
	26	04 30 43.5?	34.04	S	72.69	W	10 G			0.5	9	NEAR COAST OF CENTRAL CHILE
a	26	05 11 13.2	17.031	S	168.443	E	223	4.9		1.1	173	VANUATU ISLANDS
	26	05 53 50.6	5.321	N	32.044	E	10 G	4.8		0.7	17	SUDAN
	26	06 22 13.8	38.308	N	22.244	E	10 G			1.3	7	GREECE. ML 2.9 (ATH).
	26	06 41 52.6?	0.15	S	79.10	W	10 G			0.6	5	ECUADOR
	26	07 28 11.5&	34.410	N	120.410	W	1				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	26	07 30 46.6%	37.843	N	15.243	E	10 G			1.1	9	SICILY
	26	07 34 37.0&	59.846	N	153.210	W	110	4.2			56	SOUTHERN ALASKA. <AGS-P>. Felt (III) at Anchor Point.
	26	07 34 40.8?	31.86	S	67.46	W	33 N			0.7	6	SAN JUAN PROVINCE, ARGENTINA
	26	07 59 45.5*	1.135	N	123.300	E	65 ?	4.7		1.2	15	MINAHASSA PENINSULA
	26	07 59 57.8	41.566	N	88.688	E	0 G	5.4		1.0	219	SOUTHERN XINJIANG, CHINA
	26	08 05 57.3*	43.682	N	147.658	E	33 D	4.8		1.0	35	KURIL ISLANDS
	26	08 16 36.8&	61.542	N	151.891	W	3				40	SOUTHERN ALASKA. <AGS-P>.
	26	09 21 05.6	38.306	N	11.626	W	14	4.7	4.2	1.0	143	NORTH ATLANTIC OCEAN. mbLg 4.6 (MDD). MD 4.6 (REA). Felt (IV) in central Portugal and (III) in the Porto area.
	26	09 46 30.4%	36.949	N	28.552	E	10 G			0.9	5	DODECANESE ISLANDS
	26	10 33 10.2&	58.154	N	142.643	W	10 G				20	GULF OF ALASKA. <AGS-P>.
	26	11 44 58.5	50.161	N	8.585	E	24			1.0	78	GERMANY. ML 3.8 (GRF), 3.8 (FUR). Felt (V) at Frankfurt. Also felt at Koblenz.
	26	11 49 57.7?	44.06	N	6.41	E	10 G			0.4	4	FRANCE ML 2.1 (LDG).
	26	11 52 31.6?	44.01	N	6.41	E	10 G			0.7	4	FRANCE. ML 2.0 (LDG).
	26	11 55 13.5%	36.933	N	28.530	E	10 G			0.9	5	DODECANESE ISLANDS
	26	12 31 35.4	36.505	N	70.440	E	193 *	4.5		0.7	17	HINDU KUSH REGION
	26	12 41 36.8*	41.948	N	32.502	E	10 G			0.8	6	TURKEY
	26	12 55 40.9%	39.327	N	28.271	E	24 *			0.9	8	TURKEY
	26	12 58 31.6?	36.59	N	28.18	E	10 G			0.4	5	DODECANESE ISLANDS
	26	13 10 37.0%	39.435	N	28.253	E	10 G			0.2	5	TURKEY
	26	13 25 56.7	12.412	N	121.888	E	36 D	5.0	4.6	1.1	69	MINDORO, PHILIPPINE ISLANDS
	26	14 22 40.8	5.134	N	31.769	E	10 G	5.0	4.6	1.0	68	SUDAN
	26	14 39 51.5?	4.84	N	33.64	E	10 G	4.6		1.3	12	SUDAN
	26	14 48 03.4%	42.822	N	12.799	E	10 G			0.7	15	CENTRAL ITALY
	26	14 58 56.7	31.636	S	68.651	W	10			1.2	17	SAN JUAN PROVINCE, ARGENTINA
	26	15 51 30.8?	30.96	S	68.86	W	33 N			0.9	6	SAN JUAN PROVINCE, ARGENTINA
	26	16 18 14.0*	5.569	N	95.553	E	133 ?	3.9		0.6	6	NORTHERN SUMATERA
	26	16 43 06.4%	37.195	N	28.148	E	10 G			1.6	6	TURKEY
	26	16 48 48.5	37.602	N	20.603	E	10 G			1.5	7	IONIAN SEA. ML 3.5 (ATH).
	26	17 34 47.9	36.815	N	28.612	E	12	4.1		1.1	40	DODECANESE ISLANDS. Felt in the Mugla area, Turkey.
	26	18 18 35.8*	5.021	N	31.973	E	10 G			0.6	5	SUDAN
	26	18 43 23.8*	39.979	N	62.824	E	33 N	4.2		1.0	5	TURKMEN SSR
	26	18 44 08.7%	41.651	N	12.987	E	10 G			0.2	5	SOUTHERN ITALY
	26	18 57 11.5%	39.039	N	26.826	E	10 G			1.2	5	TURKEY
	26	19 05 49.7?	35.16	N	141.36	E	33 N	4.4		0.4	5	NEAR EAST COAST OF HONSHU, JAPAN
	26	19 41 39.6&	58.371	N	154.861	W	97				38	ALASKA PENINSULA. <AGS-P>.
	26	19 55 14.2	38.906	N	25.835	E	33 N			1.2	14	AEGEAN SEA. ML 3.7 (ATH).
	26	20 39 52.1	31.664	S	68.610	W	10 G			0.7	14	SAN JUAN PROVINCE, ARGENTINA
	26	21 09 52.1?	40.04	S	88.75	W	10 G			0.9	10	WEST CHILE RISE
	26	22 22 02.9	53.439	N	163.567	W	33 N	5.0	4.4	1.0	94	UNIMAK ISLAND REGION
	26	23 15 04.1?	43.73	N	18.42	E	10 G			0.5	4	YUGOSLAVIA
	27	00 29 13.7	46.636	N	1.216	E	10 G			1.2	15	FRANCE. ML 2.6 (LDG). MD 2.4 (STR).

	27	01	39	57.2?	36.87	N	28.50	E	10	G			1.2	5	DODECANESE ISLANDS
	27	01	43	36.9%	40.668	N	15.715	E	10	G			1.3	9	SOUTHERN ITALY
	27	02	24	05.8%	40.454	N	15.461	E	5	G			0.8	6	SOUTHERN ITALY
	27	02	54	46.8•	36.688	N	71.594	E	33	N	4.7		1.3	13	AFGHANISTAN-USSR BORDER REGION
	27	02	56	12.6	44.995	N	6.753	E	10	G			0.7	10	FRANCE. ML 2.1 (GEN), 2.0 (LDG).
	27	02	59	49.9?	35.45	S	70.24	W	165	?			0.4	12	CHILE-ARGENTINA BORDER REGION
a	27	03	03	42.2	6.910	N	82.714	W	17	D	5.2	5.0	1.2	135	SOUTH OF PANAMA
a	27	03	22	49.5	15.462	N	147.655	E	39	D	5.5	4.7	0.9	139	MARIANA ISLANDS REGION
	27	03	56	44.2•	31.763	S	71.791	W	20				0.4	15	NEAR COAST OF CENTRAL CHILE
	27	04	18	39.8	15.55B	N	147.612	E	32	D	4.6		0.8	36	MARIANA ISLANDS REGION
	27	04	30	17.3•	15.492	N	147.824	E	39	?	4.5		0.7	16	MARIANA ISLANDS REGION
	27	05	30	07.7?	5.58	S	144.96	E	108	•	4.3		0.3	6	PAPUA NEW GUINEA
	27	05	32	58.0•	15.379	N	147.833	E	33	N	4.7		1.3	22	MARIANA ISLANDS REGION
	27	07	29	32.6	4.804	N	31.743	E	10	G	5.0		1.1	51	SUDAN
	27	07	41	26.6?	18.79	N	66.32	W	10	G			0.8	5	PUERTO RICO REGION
	27	08	47	38.4•	50.972	N	173.424	E	33	N	4.6		1.1	22	ALEUTIAN ISLANDS REGION
	27	09	10	50.2?	23.91	N	121.83	E	10	G			0.5	5	TAIWAN
	27	09	17	27.1%	16.702	N	99.005	W	33	N			1.4	5	NEAR COAST OF GUERRERO, MEXICO
	27	09	43	48.6&	64.839	N	147.384	W	15					16	CENTRAL ALASKA. <AGS-P>.
	27	10	01	39.6•	20.912	S	178.702	W	601	?	4.5		0.9	33	FIJI ISLANDS REGION
	27	10	12	37.0•	14.637	N	23.524	W	10	G	4.2		0.9	19	NORTH ATLANTIC OCEAN
	27	11	13	19.6?	39.23	N	27.83	E	10	G			0.3	4	TURKEY
a	27	12	24	46.5	15.544	N	147.740	E	36	D	5.1	4.7	0.9	89	MARIANA ISLANDS REGION
	27	12	45	03.5	42.141	N	19.168	E	10	G			0.7	8	YUGOSLAVIA. MD 2.4 (TTG).
	27	13	17	43.2	35.132	N	24.380	E	10				1.0	9	CRETE
	27	14	00	36.3	12.703	N	120.933	E	33	N	5.1	4.7	1.1	88	MINDORO, PHILIPPINE ISLANDS
	27	14	04	04.6	15.586	N	147.645	E	33	N	4.9		0.9	64	MARIANA ISLANDS REGION
	27	14	30	06.8•	15.559	N	147.723	E	33	N	4.8		1.0	33	MARIANA ISLANDS REGION
	27	14	56	39.1&	48.747	N	123.278	W	60					47	VANCOUVER ISLAND REGION. <PGC>. CL 2.8 (SEA). Felt mildly in the Victoria area.
	27	15	33	23.7	34.467	N	23.978	E	14		4.5		1.3	119	CRETE. ML 4.4 (ATH).
	27	15	34	01.4?	38.67	N	28.50	W	10	G			0.7	4	AZORES ISLANDS. MG 3.7 (PDA). Felt (IV) in eastern Faial and western Pico.
	27	15	46	26.2•	38.698	N	20.901	E	10	G			1.2	6	GREECE. MD 3.1 (ATH).
	27	18	11	16.5•	1.074	N	122.931	E	33	N	4.4		1.5	14	MINAHASSA PENINSULA
	27	18	13	57.1	47.130	N	10.789	E	10	G			1.4	16	AUSTRIA. ML 2.9 (FUR), 2.7 (GRF).
	27	18	27	57.3	40.869	N	44.236	E	10	G	4.9		1.3	167	TURKEY-USSR BORDER REGION. Slight damage in the Spitak area, USSR. Felt in eastern Turkey.
	27	18	56	56.8	13.129	N	39.927	E	52	D	5.0		1.0	117	ETHIOPIA
	27	19	29	02.4?	35.07	S	71.53	W	31	•			1.1	14	CENTRAL CHILE
	27	19	31	31.5•	7.433	S	120.426	E	636	?	4.6		0.5	14	FLORES SEA
	27	19	32	18.5%	59.691	N	6.011	E	10	G			1.3	9	SOUTHERN NORWAY. MD 2.0 (BER).
	27	19	42	44.4%	40.510	N	15.573	E	10	G			0.4	5	SOUTHERN ITALY
	27	20	15	09.6•	53.403	N	166.752	W	33	N	4.4		0.7	18	FOX ISLANDS, ALEUTIAN ISLANDS
	27	20	44	57.9	41.909	N	126.738	W	10	G	4.3	4.2	0.8	90	OFF COAST OF NORTHERN CALIFORNIA
	27	21	16	12.3	30.781	N	103.231	E	33	N	4.3		1.4	10	SICHUAN PROVINCE, CHINA. ML 3.9 (BJI).
a	27	21	49	35.4	74.225	N	8.828	E	29	D	5.5	5.7	1.0	305	GREENLAND SEA. Ms 6.3 (PAS), 6.0 (BRK).
a	27	21	52	55.7	7.715	N	36.963	W	10	G	5.3	5.2	1.5	132	CENTRAL MID-ATLANTIC RIDGE
	27	21	57	44.2?	8.47	N	37.50	W	10	G	4.7		0.6	26	CENTRAL MID-ATLANTIC RIDGE
	27	22	20	14.8%	44.542	N	6.882	E	10	G			0.6	9	FRANCE. ML 2.3 (GEN).
	27	23	11	20.6•	3.606	N	122.736	E	33	N	4.7		0.9	8	CELEBES SEA
	27	23	55	31.0	7.739	S	127.893	E	97	•	4.9		1.3	31	BANDA SEA
	27	23	57	34.5&	63.467	N	150.861	W	11					15	CENTRAL ALASKA. <AGS-P>.
	28	00	35	50.7•	55.257	N	58.699	E	33	N	4.5		0.8	30	URAL MOUNTAINS REGION
	28	00	39	28.6?	15.88	N	98.68	W	33	N			0.3	6	OFF COAST OF GUERRERO, MEXICO
	28	01	08	48.8?	37.67	N	21.04	E	10	G			1.5	4	SOUTHERN GREECE. ML 3.5 (ATH).
	28	01	11	56.5%	37.711	N	14.886	E	10	G			0.6	6	SICILY
	28	01	11	57.2	5.462	N	31.847	E	10	G	4.8	4.0	1.0	58	SUDAN
	28	01	45	26.1%	37.691	N	14.857	E	10	G			0.6	6	SICILY
	28	02	41	28.2	55.225	N	58.676	E	33	N	4.5		0.9	50	URAL MOUNTAINS REGION
	28	03	03	52.2?	39.03	N	75.39	E	33	N	4.1		0.6	7	SOUTHERN XINJIANG, CHINA
	28	03	20	35.2	45.554	N	3.476	E	10	G			1.3	7	FRANCE. MD 1.0 (STR).
	28	03	42	22.4	43.794	N	102.723	E	33	N	4.4		1.1	14	MONGOLIA
	28	04	43	48.3•	74 043	N	6.926	E	10	G	4.7		1.1	18	GREENLAND SEA
	28	05	08	46.7?	1.01	S	77.58	W	10	G			0.8	5	ECUADOR
	28	05	39	34.8?	19.03	N	64.88	W	10	G			0.3	5	VIRGIN ISLANDS
	28	07	15	51.0	37.638	N	73.460	E	33	N	4.6	4.3	1.2	20	TAJIK SSR
	28	08	23	35.5•	27.388	S	114.102	E	10	G			1.3	7	WESTERN AUSTRALIA
	28	09	55	39.9•	30.212	S	72.487	W	37	?	4.7		0.9	13	OFF COAST OF CENTRAL CHILE
	28	11	23	36.7•	14.836	N	98.964	E	33	N	4.1		1.4	7	SOUTH BURMA
a	28	11	28	47.6	20.874	S	177.987	W	486	G	5.9		0.9	320	FIJI ISLANDS REGION. Depth from broadband displacement seismograms.
	28	11	54	14.3?	44.46	N	6.92	E	10	G			0.0	4	FRANCE. ML 1.7 (GEN).
	28	12	00	15.7?	36.94	N	28.61	E	10	G			1.3	4	DODECANESE ISLANDS
	28	13	34	03.1?	51.40	N	157.03	E	33	N	4.8		0.7	9	NEAR EAST COAST OF KAMCHATKA
	28	14	18	42.8•	48.825	N	156.242	E	33	N	4.5		1.1	28	KURIL ISLANDS REGION
	28	14	50	25.9	18.168	N	147.202	E	33	D	4.4		0.9	32	MARIANA ISLANDS REGION
a	28	15	12	00.1	7.139	S	127.309	E	329	•	4.8		1.1	60	BANDA SEA
	28	16	09	30.3%	31.451	N	35.600	E	10	G			0.3	5	DEAD SEA REGION
	28	16	10	25.9?	36.75	N	70.95	E	135	?	4.3		0.9	9	HINDU KUSH REGION
a	28	16	11	59.5	43.919	N	147.378	E	34	D	5.3	4.4	1.0	157	KURIL ISLANDS. Felt (IV) on Shikotan and at Yuzhno-Kurilsk and Kurilsk.
	28	17	07	34.4•	54.866	N	161.812	E	33	N	4.7		0.8	30	NEAR EAST COAST OF KAMCHATKA
	28	17	54	37.3•	41.903	N	85.024	E	33	N	4.3		1.3	8	SOUTHERN XINJIANG, CHINA
	28	18	01	38.3?	46.31	N	2.52	E	10	G			1.4	4	FRANCE. ML 1.5 (LDG).
	28	18	04	49.1	36.248	N	100.089	E	10	G	4.4		1.1	19	QINGHAI PROVINCE, CHINA
	28	19	12	25.7	30.321	N	50.812	E	33	N	4.6		1.2	74	IRAN. Some damage in the Do Gonbadan area.
	28	19	49	15.6%	31.732	S	69.207	W	33	N			0.8	5	SAN JUAN PROVINCE, ARGENTINA
	28	19	53	12.0?	65.25	N	0.50	W	10	G			0.6	5	NORWEGIAN SEA. MD 3.0 (BER).
	28	20	20	27.2?	25.99	S	27.11	E	5	G			0.3	4	REPUBLIC OF SOUTH AFRICA. mbLg 3.5 (BUL).
a	28	21	39	08.1	4.633	S	152.187	E	96	D	5.2		0.9	141	NEW BRITAIN REGION
	28	23	27	46.1?	44.02	N	6.41	E	10	G			0.6	4	FRANCE. ML 2.1 (LDG).
	29	01	13	34.3%	39.610	N	28.609	E	10	G			0.9	8	TURKEY

	29	01	43	11.1?	35.54	N	24.96	E	33	N	3.7	1.4	5	CRETE
	29	02	43	20.5&	37.150	N	121.897	W	7				9	CENTRAL CALIFORNIA. <BRK>. ML 2.1 (BRK).
	29	02	53	06.5&	59.926	N	152.888	W	106				35	SOUTHERN ALASKA. <AGS-P>.
	29	03	23	14.8	44.849	N	6.659	E	11			0.8	13	FRANCE ML 2.3 (GEN).
	29	04	37	29.8	5.467	N	32.568	E	10	G	4 7 3.8	0.6	31	SUDAN
	29	06	11	23.2?	45.08	N	7.37	E	10	G		0.8	4	NORTHERN ITALY
	29	06	14	26.7	50.142	N	8.513	E	32			1.3	52	GERMANY. ML 3.5 (GRF), 3.3 (FUR). Felt in the Frankfurt area.
	29	07	14	11.2	43.333	N	144.404	E	106	*	4.9	0.8	55	HOKKAIDO, JAPAN REGION
	29	09	27	02.4?	39.05	N	27.74	E	10	G		0.5	4	TURKEY
	29	09	42	28.2*	1.376	N	124.154	E	42	?	4.8	1.0	13	MINAHASSA PENINSULA
	29	09	46	06.9&	63.884	N	148.944	W	0				24	CENTRAL ALASKA. <AGS-P>.
	29	10	39	19.5*	37.640	N	20.782	E	10	G		1.5	6	IONIAN SEA. MD 3.5 (ATH).
	29	11	01	56.1%	44.818	N	9.851	E	10	G		0.8	8	NORTHERN ITALY
	29	11	23	42.8%	44.878	N	9.873	E	10	G		1.3	9	NORTHERN ITALY
	29	11	38	12.5%	44.853	N	9.850	E	10	G		0.6	10	NORTHERN ITALY
	29	11	55	33.2	31.747	S	68.335	W	11			1.0	14	SAN JUAN PROVINCE, ARGENTINA
	29	12	15	38.6&	61.267	N	149.405	W	41				42	SOUTHERN ALASKA. <AGS-P>. ML 3.1 (PMR).
a	29	12	35	28.9	15.970	N	120.237	E	46		5.3 4.5	1.0	164	LUZON, PHILIPPINE ISLANDS. Felt (II RF) at Baguio and Santa.
	29	13	15	11.9&	62.904	N	151.574	W	2				20	CENTRAL ALASKA. <AGS-P>.
	29	13	43	37.7?	16.34	S	75.47	W	33	N		0.7	7	OFF COAST OF PERU
	29	14	04	56.4?	16.24	S	75.66	W	33	N		1.2	8	OFF COAST OF PERU
	29	14	23	12.1*	36.367	N	140.975	E	22	*	4.3	1.4	15	NEAR EAST COAST OF HONSHU, JAPAN
	29	15	42	54.5%	36.613	N	23.728	E	10	G		0.2	5	SOUTHERN GREECE. MD 3.5 (ATH).
	29	16	12	08.5*	31.849	S	70.012	W	135	?		0.4	13	CHILE-ARGENTINA BORDER REGION
	29	16	49	37.9?	37.58	N	20.70	E	10	G		1.4	5	IONIAN SEA. MD 3.5 (ATH).
f	29	18	31	12.2	56.956	N	153.569	W	25	G	5.9 5.8	1.0	435	KODIAK ISLAND REGION. ML 5.7 (PMR). Ms 5.9 (BRK), 5.5 (PAS). Felt (V) at Old Harbor; (IV) at Kodiak and Port Lions; (III) at Chiniak. Depth from broadband displacement seismograms.
	29	18	46	34.7*	56.641	N	152.817	W	33	N	4.0	1.1	33	KODIAK ISLAND REGION
	29	18	53	50.2	44.985	N	11.077	E	33	N		1.1	39	NORTHERN ITALY. ML 3.2 (LDG).
	29	19	46	13.4*	30.234	S	71.792	W	33	N		1.2	15	NEAR COAST OF CENTRAL CHILE. Felt (III) at Coquimba, La Higuera, Vicuna, La Serena and Ovalle.
	29	19	56	55.8?	10.02	N	84.16	W	40	?	4.7	1.1	9	COSTA RICA. Felt in northern Costa Rica and at San Jose.
	29	20	04	44.1*	36.370	N	26.959	E	10	G		1.5	5	DODECANESE ISLANDS
	29	20	25	27.9*	9.858	S	161.254	E	33	N	4.4	1.1	9	SOLOMON ISLANDS
	29	20	45	32.7	37.120	N	26.629	E	10	G		1.1	20	DODECANESE ISLANDS. MD 3.8 (ATH).
	29	20	52	02.2%	41.830	N	13 212	E	10	G		0 7	5	SOUTHERN ITALY
	29	22	52	03.6	44.139	N	6.244	E	5	G		0.9	23	FRANCE. ML 2.5 (LDG). MD 2.3 (STR).
	29	23	17	26 9?	44.63	N	6.87	E	10	G		0.1	4	FRANCE ML 1.8 (GEN).
	29	23	33	46.5?	5.21	S	129.55	E	198	?		0.2	5	BANDA SEA
	30	00	47	24 1	43.104	N	0.568	W	10	G		0 3	8	PYRENEES. ML 2.3 (LDG)
	30	01	21	22.2*	6.250	S	130.169	E	219	*	4.7	1.2	19	BANDA SEA
	30	01	32	05.4	36.463	N	70.396	E	204	D	4.7	1.0	95	HINDU KUSH REGION
f	30	02	34	05.8	6.016	S	77.229	W	24	G	6.1 6.5	1.0	461	NORTHERN PERU. Ms 6.6 (BRK), 5.9 (PAS). Mo=1.3*10**19 Nm (PPT). At least 135 people killed, more than 800 injured and severe damage (VI) in the Mayobamba-Rioja area. Felt (V) at Chachapoyas; (IV) at Cajamarca; (III) at Chiclayo and Chimbote. Also felt (IV) at Guayaquil, Ecuadar. Three events about 1.5 and 4.8 seconds apart respectively. Depth from broadband displacement seismograms, bosed on second event.
	30	02	34	44.8%	42.466	N	12.622	E	10	G		0.6	9	CENTRAL ITALY
	30	03	52	39.1	51.561	N	16.008	E	19		4.1	0.9	32	POLAND ML 4.4 (GRF), 4.3 (VKA).
	30	03	56	37 6&	37.653	N	121.663	W	9				13	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	30	04	02	31.0	24.149	S	66.745	W	163		4.8	0.9	70	SALTA PROVINCE, ARGENTINA
	30	04	03	12 7%	37.790	N	15.280	E	10	G		0.2	5	SICILY
	30	04	09	25.1?	37.78	N	15 29	E	10	G		0.8	4	SICILY
	30	04	10	41.3	37.044	N	26 222	E	10	G		0.8	9	DODECANESE ISLANDS
	30	04	12	29.3?	17.46	N	61 93	W	27	*		0.4	7	LEEWARD ISLANDS ML 2.9 (FDF).
	30	04	35	10.1	31.683	S	69 165	W	116		4.4	1.0	23	SAN JUAN PROVINCE, ARGENTINA
	30	05	36	21.3*	6.041	S	77.422	W	33	N	4.7	1.5	23	NORTHERN PERU
	30	06	12	41.4	62.796	N	25.495	W	10	G	4.2	1.3	34	ICELAND REGION
	30	06	58	48.8?	15.53	N	98.19	W	51	?	3.6	0 7	8	OFF COAST OF GUERRERO, MEXICO. Felt at Pinotepa Nacional, Oaxaca.
	30	07	03	46.4*	5.997	S	76.941	W	45	*	4.4	0.9	14	NORTHERN PERU
	30	07	16	29.5*	21.972	N	142.679	E	290	*	4.0	0.4	11	MARIANA ISLANDS REGION
	30	08	32	35.0?	37.79	N	15.22	E	10	G		0.1	4	SICILY
	30	08	40	17.4?	6.04	S	130.45	E	98	?	4.4	1.0	9	BANDA SEA
a	30	09	22	23.1	8.875	S	122.561	E	94	*	5.2	1.1	61	FLORES ISLAND REGION
	30	09	25	57.6&	40.248	N	124.627	W	5				7	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.5 (BRK).
	30	09	53	15.1	6.019	S	77.147	W	31	*	4.8	1.1	43	NORTHERN PERU
f	30	10	40	06.1	45.841	N	26.668	E	89	G	6.7	1.0	648	ROMANIA. mb 7.1 (PAS). Mo=7.0*10**19 Nm (PPT). Nine people killed, more than 700 injured and severe damage in the Bucharest-Braila-Brasov area. Faur peaple killed, same injured and many buildings damaged in Moldavia, USSR. One person died of a heart attack and extensive damage in northern Bugiaria. Felt (VI) at Silistra and (V) at Sofia, Bulgaria. Felt (VI) at Kishinev; (IV) at Kiev, Lvov, Mascaw, Rastov, Sochi and Uzhgorod; (III) at Stavropol and Leningrad, USSR. Alsa felt in Hungary, Greece, Poland, Turkey and Yugoslavia. Depth from broadband displacement seismagrams.
	30	11	02	00.4?	46.67	N	26.99	E	90	G		1.2	7	ROMANIA
	30	11	31	10.8*	45.982	N	26.738	E	84	?	4.0	1.3	24	ROMANIA
	30	11	38	46.3?	59.89	N	6.04	E	10	G		0.4	4	SOUTHERN NORWAY. MD 1.0 (BER).
	30	12	38	04.9	24.210	N	126.512	E	33	N	4.9	1.5	69	RYUKYU ISLANDS
	30	12	52	38.6&	61.457	N	149.933	W	46				27	SOUTHERN ALASKA. <AGS-P>.
	30	13	04	11.7*	2.540	S	79.994	W	33	N		1.3	12	NEAR COAST OF ECUADOR. Felt (IV) at Guayaquil.
	30	13	11	30.8?	58.56	N	6.30	E	10	G		0.6	6	SOUTHERN NORWAY. MD 3.3 (BER).

	30	13 57 45.3?	31.22	S	69.51	W	149 ?			0.4	12	SAN JUAN PROVINCE, ARGENTINA
	30	14 15 53.0*	45.685	N	26.580	E	90 G	3.8		1.1	6	ROMANIA
	30	16 45 57.9	5.058	S	152.099	E	81 D	5.1		1.0	35	NEW BRITAIN REGION
a	30	16 49 26.8	6.018	S	77.127	W	22 D	5.4	5.1	1.1	176	NORTHERN PERU. Felt strongly in northern Peru.
	30	17 08 30.7	15.144	N	147.518	E	33 N	4.2		0.9	18	MARIANA ISLANDS REGION
	30	17 31 22.0%	46.218	N	2.639	E	10 G			0.1	5	FRANCE. ML 1.8 (LDG).
	30	17 56 48.9?	21.90	S	178.03	W	541 ?	4.8		1.1	10	FIJI ISLANDS REGION
	30	17 57 13.7?	31.73	S	72.15	W	10 G			0.6	9	OFF COAST OF CENTRAL CHILE
	30	18 34 53.2*	28.305	N	141.753	E	33 N	4.7		1.2	33	BONIN ISLANDS REGION
	30	19 19 01.2	45.833	N	14.616	E	11			1.2	77	YUGOSLAVIA. MD 4.0 (LJU), 3.6 (TRI). ML 3.6 (VKA). Slight damage (VI) at Dobro Polje. Felt (V) at Velike Lasce and (IV) at Ljubljana.
	30	19 43 44.2%	30.364	S	116.890	E	10 G			1.5	7	WESTERN AUSTRALIA
	30	20 19 37.4*	46.523	N	26.775	E	90 G			1.2	6	ROMANIA
	30	22 27 41.6?	38.36	N	22.02	E	33 N			0.7	4	GREECE. ML 3.2 (ATH).
	30	23 00 15.2%	40.671	N	15.738	E	10 G			0.7	6	SOUTHERN ITALY
	31	00 06 12.9	46.245	N	2.630	E	9			0.4	14	FRANCE. ML 2.6 (LDG).
	31	00 15 33.1	43.280	N	19.825	E	10 G			1.3	12	YUGOSLAVIA. ML 2.7 (TTG).
f	31	00 17 47.8	45.811	N	26.769	E	88 G	6.1		1.0	572	ROMANIA. mb 6.5 (PAS), 6.2 (BRK). Additional damage in Romania. Felt (V) in northern Bulgorio and at Kishinev, USSR. Felt throughout Bulgaria and in parts of Yugoslavia. Also felt at Lvov, USSR and Istanbul, Turkey. Two events about 2.3 seconds apart. Depth from broadband displacement seismograms, based on first event.
	31	01 39 58.8%	43.454	N	12.398	E	10 G			0.6	6	CENTRAL ITALY
	31	02 29 21.0	34.599	N	25.317	E	9		4.0	1.1	40	CRETE. MD 4.2 (ATH), 4.3 (HLW).
	31	02 46 12.7*	33.812	S	179.401	W	75 ?	4.8		0.6	11	SOUTH OF KERMADEC ISLANDS
	31	03 03 12.2*	6.159	S	133.654	E	33 N	4.8		1.3	10	AROE ISLANDS REGION
	31	03 45 13.6	39.269	N	27.766	E	10 G			1.2	14	TURKEY
	31	03 49 06.3	39.271	N	27.802	E	10 G			1.3	9	TURKEY
	31	03 58 16.4%	39.242	N	27.734	E	10 G			1.2	7	TURKEY
	31	04 46 35.5?	31.23	S	68.26	W	75 ?			0.1	7	SAN JUAN PROVINCE, ARGENTINA
	31	04 48 40.6	45.975	N	26.858	E	86 *	3.9		1.1	29	ROMANIA
	31	05 10 30.5	42.723	N	12.880	E	13	4.3		1.5	16	CENTRAL ITALY
	31	05 28 51.8*	21.989	S	68.315	W	124 *	4.4		1.4	11	CHILE-BOLIVIA BORDER REGION
	31	05 29 40.6?	16.89	N	61.55	W	121 ?			0.4	7	LEEWARD ISLANDS
	31	06 15 28.2	44.495	N	7.092	E	9			0.5	26	NORTHERN ITALY. ML 2.8 (GEN), 2.9 (LDG).
	31	07 30 12.4?	1.24	S	78.64	W	10 G			0.6	6	ECUADOR
f	31	07 35 27.0	17.260	N	100.707	W	23 G	5.8	5.9	1.0	297	GUERRERO, MEXICO. Ms 6.0 (BRK), 5.3 (PAS). Felt (IV) at Mexico City. Also felt at Acapulco. Depth from broadband displacement seismograms.
	31	09 46 38.4?	43.99	N	6.45	E	10 G			0.6	4	NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG).
	31	10 43 36.2%	42.734	N	13.137	E	10 G			0.6	5	CENTRAL ITALY
	31	12 45 45.4%	40.029	N	27.468	E	10 G			0.6	5	TURKEY
	31	15 29 26.8	44.456	N	20.868	E	11			1.2	13	YUGOSLAVIA. ML 3.0 (TTG).
	31	15 54 26.7*	46.258	N	16.041	E	10 G			0.5	5	YUGOSLAVIA. MD 2.5 (LJU).
	31	17 34 41.4&	63.349	N	151.342	W	8				9	CENTRAL ALASKA. <AGS-P>.
	31	17 39 19.6&	34.430	N	116.970	W	4				22	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS).
	31	22 00 26.1&	60.395	N	152.391	W	100				22	SOUTHERN ALASKA. <AGS-P>.
	31	22 04 24.0?	24.18	N	125.91	E	33 N	3.9		0.1	6	SOUTHWESTERN RYUKYU ISLANDS
	31	23 02 54.6*	33.517	S	178.254	W	33 N	5.0		1.2	14	SOUTH OF KERMADEC ISLANDS
	31	23 07 36.5&	60.969	N	146.619	W	19				20	SOUTHERN ALASKA. <AGS-P>.

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

01 11 44 34.44 14.056N 91.690W 41km
5.0mb (45 abs.) 5.4Msz (13 abs)
GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 11:44:41.5 0.7
Lat 14.24N 0.05 Lon 92.04W 0.04
Dep 29.8 BDY Half-duration 3.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.79	72	68
N	-0.35	11	302
P	-5.44	14	209

Best Double Couple:Mo=5.6*10**17
NP1:Strike=284 Dip=32 Slip= 69
NP2: 128 60 103

01 16 12 21.44 58.840N 156.858W 211km
6.1mb (87 abs.)
ALASKA PENINSULA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=165 Dip=58 Slip=-135
NP2: 47 53 -41
Principal Axes:

	Plg=	Azm=
T	3	285
P	53	19

Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a large strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 6.3±2.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 220 No. of sta: 18
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	9.87	5	121
N	-0.18	39	216
P	-9.69	51	25

Best Double Couple:Mo=9.8*10**18
NP1:Strike=177 Dip=52 Slip=-143
NP2: 62 61 -44
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 30C M.W.: 11S, 19C
Centroid Location:
Origin Time 16:12:28.2 0.1
Lat 58.83N 0.01 Lon 157.05W 0.02
Dep 224.3 0.8 Half-duration 7.2
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	7.07	7	124
N	3.10	43	221
P	-10.16	46	27

Best Double Couple:Mo=8.6*10**18
NP1:Strike=177 Dip=54 Slip=-148
NP2: 67 65 -41

02 01 01 24.93 49.268N 155.624E 95km
5.2mb (62 abs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 29C
Centroid Location:
Origin Time 01:01:20.6 0.4
Lat 49.21N 0.03 Lon 155.95E 0.08
Dep 39.8 3.1 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.63	69	254
N	-0.07	15	27
P	-1.56	15	121

Best Double Couple:Mo=1.6*10**17
NP1:Strike=232 Dip=33 Slip= 118
NP2: 19 62 73

02 04 19 40.79 0.019N 124.252E 103km
5.3mb (21 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centroid Location:
Origin Time 04:19:39.4 0.4
Lat 0.01S 0.06 Lon 124.44E 0.06
Dep 73.3 3.8 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.32	73	233
N	-0.09	14	14
P	-11.23	11	106

Best Double Couple:Mo=1.1*10**17
NP1:Strike=213 Dip=36 Slip= 113
NP2: 5 57 74

02 22 50 29.56 5.604S 150.164E 82km
6.2mb (47 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 45 Dip=82 Slip=-105
NP2: 288 17 -29
Principal Axes:

T Plg=35 Azm=148
P 51 298
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a small strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 83 No. of sta: 16
Principal Axes:
Scale 10**18 Nm
T Val= 5.99 Plg=25 Azm=156
N -0.09 10 61
P -5.89 63 310
Best Double Couple:Mo=5.9*10**18
NP1:Strike=268 Dip=22 Slip= -62
NP2: 58 70 -101
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C M.W.: 20S, 39C
Centroid Location:
Origin Time 22:50:36.0 0.1
Lat 5.74S 0.01 Lon 150.12E 0.01
Dep 96.0 FIX Half-duration 7.3
Principal Axes:
Scale 10**18 Nm
T Val= 5.08 Plg=37 Azm=160
N -0.12 17 56
P -4.96 48 306
Best Double Couple:Mo=5.0*10**18
NP1:Strike=307 Dip=18 Slip= -18
NP2: 55 84 -107

03 07 45 43.02 36.439N 140.510E 64km
5.4mb (94 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 07:45:50.3 0.6
Lat 36.25N 0.07 Lon 140.35E 0.05
Dep 43.7 6.3 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.01 Plg=68 Azm=342
N 2.15 15 208
P -9.16 15 114
Best Double Couple:Mo=8.1*10**16
NP1:Strike=183 Dip=33 Slip= 61
NP2: 37 62 107

05 07 21 29.54 40.775N 15.766E 10km
5.3mb (18 obs.) 5.4Msz (6 obs.)
SOUTHERN ITALY
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 07:21:31.9 0.6
Lat 40.24N 0.06 Lon 15.58E 0 04
Dep 26.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 6.60 Plg=21 Azm= 46
N -1.85 69 237
P -4.75 3 138
Best Double Couple:Mo=5.7*10**17
NP1:Strike=184 Dip=73 Slip= 13
NP2: 90 78 162

06 16 46 13.22 35.253S 104.142W 10km
4.9mb (7 obs.) 5.2Msz (6 obs.)
SOUTHERN PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 33C
Centroid Location:
Origin Time 16:46:16.5 0.3
Lat 35.93S 0.05 Lon 104.67W 0.05
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**17 Nm
T Val= 4.60 Plg=20 Azm= 54
N -0.98 68 208
P -3.62 9 321
Best Double Couple:Mo=4.1*10**17
NP1:Strike= 96 Dip=70 Slip= 172
NP2: 189 82 20

07 05 17 37.66 36.032N 100.341E 33km
5.3mb (60 obs.) 5.0Msz (3 obs.)
QINGHAI PROVINCE, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 17C
Centroid Location:
Origin Time 05:17:44.1 1.0
Lat 35.30N 0.11 Lon 100.74E 0.15
Dep 15.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 9.46 Plg=68 Azm=164
N 0.21 18 310
P -9.67 11 44
Best Double Couple:Mo=9.6*10**16
NP1:Strike=156 Dip=37 Slip= 122
NP2: 299 59 68

08 00 01 40.02 6.905N 82.622W 10km
6.2mb (55 obs.) 6.3Msz (35 obs.)
SOUTH OF PANAMA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=342 Dip=85 Slip= 147
NP2: 75 57 6
Principal Axes:
T Plg=26 Azm=293
P 19 33
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 5.4±1.4*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 6 No. of sta: 15
Principal Axes:
Scale 10**18 Nm
T Val= 5.47 Plg=31 Azm=291
N -0.07 36 175
P -5.40 39 50
Best Double Couple:Mo=5.4*10**18
NP1:Strike= 76 Dip=36 Slip= -8
NP2: 172 86 -126
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 44C M.W.: 14S, 35C
Centroid Location:
Origin Time 00:01:48.4 0.2
Lat 6.99N 0.01 Lon 82.65W 0.02
Dep 15.0 FIX Half-duration 6.6
Principal Axes:
Scale 10**18 Nm
T Val= 5.74 Plg=21 Azm=126
N 0.02 67 335
P -5.76 10 220
Best Double Couple:Mo=5.8*10**18
NP1:Strike=265 Dip=68 Slip= 8
NP2: 172 83 158

08 01 40 03.85 17.054S 168.495E 229km
5.2mb (42 obs)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 13C
Centroid Location:
Origin Time 01:40: 7.9 1.2
Lat 17.01S FIX;Lon 168.45E FIX
Dep 219.4 8.0 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 3.27 Plg=52 Azm= 75
N 0.68 38 242
P -3.95 6 337
Best Double Couple:Mo=3.6*10**17
NP1:Strike=101 Dip=51 Slip= 142
NP2: 217 61 46

09 04 21 10.19 56.381S 27.058W 33km
6.0mb (22 obs.) 5.4Msz (8 obs.)
SOUTH SANDWICH ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=305 Dip=83 Slip= 90
NP2: 125 7 90
Principal Axes:
T Plg=52 Azm=215
P 38 35
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 102 No. of sta: 7
Principal Axes:
Scale 10**18 Nm
T Val= 1.07 Plg=47 Azm=219
N 0.01 1 310
P -1.08 42 41
Best Double Couple:Mo=1.1*10**18
NP1:Strike=156 Dip= 3 Slip= 116
NP2: 310 87 89
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 43C
Centroid Location:
Origin Time 04:21:26.7 0.2
Lat 56.57S 0.03 Lon 26.37W 0.05
Dep 112.8 1.8 Half-durotion 3.7
Principal Axes:
Scale 10**17 Nm
T Val= 12.67 Plg=32 Azm=185
N -0.57 34 299
P -12.10 40 63
Best Double Couple:Mo=1.2*10**18
NP1:Strike=219 Dip=34 Slip=-171
NP2: 122 85 -56

09 14 33 35.76 11.485S 166.585E 34km
5.1mb (14 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 20C
Centroid Location:
Origin Time 14:33:46.1 1.3
Lat 11.56S 0.16 Lon 165.73E 0.15
Dep 33.0 FIX Half-durotion 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 3.71 Plg=62 Azm= 20
N -0.57 3 116
P -3.14 28 208
Best Double Couple:Mo=3.4*10**16
NP1:Strike=307 Dip=18 Slip= 101
NP2: 115 73 87

09 18 55 08.24 18.383S 174.088W 99km
5.1mb (20 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 18:55:11.3 1.0
Lat 18.81S FIX;Lon 173.92W FIX
Dep 128.1 5.5 Half-durotion 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.65 Plg=53 Azm=275
N -1.02 26 47
P -6.63 24 149
Best Double Couple:Mo=7.1*10**16
NP1:Strike=280 Dip=32 Slip= 148
NP2: 38 74 62

09 19 46 43.11 2.813S 119.729E 33km
5.5mb (23 obs.) 4.6Msz (11 obs.)
SULAWESI
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 19:46:42.8 0.5
Lat 2.84S FIX;Lon 119.57E FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 8.91 Plg=15 Azm=129
N -1.40 52 19
P -7.51 34 229
Best Double Couple:Mo=8.2*10**16
NP1:Strike=264 Dip=55 Slip= -15
NP2: 3 78 -144

09 22 38 19.07 61.979S 161.434E 10km
5.0mb (5 obs.) 5.7Msz (3 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 32C
Centroid Location:
Origin Time 22:38:30.8 0.4
Lat 61.84S 0.05 Lon 160.51E 0.08

Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 5.48 Plg=17 Azm= 12
N -0.12 70 159
P -5.36 10 279
Best Double Couple:Mo=5.4*10**17
NP1:Strike= 55 Dip=71 Slip= 175
NP2: 146 85 19

10 00 58 48.66 54.824S 146.247E 10km
5.5mb (15 abs.) 5.5Msz (18 abs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 00:59: 0.2 0.5
Lat 54.73S 0.05 Lon 145.91E 0.06
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 6.99 Plg= 0 Azm=214
N -0.29 90 180
P -6.69 0 124
Best Double Couple:Mo=6.8*10**17
NP1:Strike=259 Dip=90 Slip=-180
NP2: 349 90 0

10 08 14 35.35 6.176S 146.807E 101km
5.4mb (38 abs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 08:14:41.5 0.4
Lat 6.31S 0.04 Lon 146.76E 0.04
Dep 104.0 1.9 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.14 Plg= 4 Azm=196
N 0.06 77 305
P -2.20 12 105
Best Double Couple:Mo=2.2*10**17
NP1:Strike=242 Dip=78 Slip=-174
NP2: 150 84 -12

11 05 03 27.29 51.476N 159.387E 10km
5.0mb (47 abs) 4.8Msz (3 obs.)
OFF EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 05:03:41.2 0.7
Lat 51.69N 0.08 Lon 159.93E 0.09
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 5.22 Plg= 0 Azm=125
N -0.86 0 35
P -4.36 90 180
Best Double Couple:Mo=4.8*10**16
NP1:Strike=215 Dip=45 Slip= -90
NP2: 35 45 -90

11 13 10 20.29 41.820N 130.858E 579km
5.7mb (99 abs.)
NORTH KOREA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=180 Dip=76 Slip= 90
NP2: 360 14 90
Principal Axes:
T Plg=59 Azm= 90
P 31 270
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 3.2±1.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 584 No. of sta: 17
Principal Axes:
Scale 10**18 Nm
T Val= 3.30 Plg=53 Azm= 70
N -0.06 15 182
P -3.24 32 282
Best Double Couple:Mo=3.3*10**18
NP1:Strike= 54 Dip=19 Slip= 144
NP2: 179 79 74
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 13:10:27.1 0.2
Lat 41.49N 0.02 Lon 130.42E 0.04
Dep 586.0 1.9 Half-duration 5.0
Principal Axes:
Scale 10**18 Nm
T Val= 2.68 Plg=52 Azm= 56
N -0.08 28 189
P -2.60 23 292
Best Double Couple:Mo=2.6*10**18
NP1:Strike= 64 Dip=33 Slip= 149
NP2: 180 74 61

11 19 42 23.34 1.329N 123.590E 22km
5.3mb (15 abs.) 4.8Msz (10 abs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 19:42:24.8 0.5
Lat 1.54N 0.06 Lon 123.36E 0.07
Dep 41.3 5.9 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.81 Plg=61 Azm=167
N 1.36 6 66
P -12.17 28 333
Best Double Couple:Mo=1.1*10**17
NP1:Strike= 47 Dip=18 Slip= 70
NP2: 248 73 96

11 23 43 50.49 17.282N 100.679W 28km
5.3mb (51 abs.) 4.9Msz (10 abs.)
GUERRERO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 28C
Centroid Location:
Origin Time 23:43:52.1 0.7
Lat 17.24N 0.08 Lon 100.56W 0.07
Dep 15.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.37 Plg=57 Azm= 32
N 0.23 8 290
P -2.60 32 195
Best Double Couple:Mo=2.5*10**17
NP1:Strike=260 Dip=15 Slip= 59
NP2: 112 77 98

12 04 50 08.71 49 037N 141.847E 606km
6.5mb (65 abs.)
SAKHALIN ISLAND
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 55 Dip=80 Slip= -73
NP2: 175 20 -149
Principal Axes:
T Plg=33 Azm=131
P 52 345
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a moderate strike-slip campanent. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 11 Focal mech. N
Energy 6.5±1.8*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 609 No. of sta: 22
Principal Axes:
Scale 10**19 Nm
T Val= 9.63 Plg=21 Azm=111
N -3.52 34 216
P -6.11 48 356
Best Double Couple:Mo=7.9*10**19
NP1:Strike=158 Dip=39 Slip=-154
NP2: 47 74 -54
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 34C M.W.: 11S, 26C
Centroid Location:
Origin Time 04:50:16.6 0.2
Lat 48.94N 0.02 Lon 141 38E 0.03
Dep 612.5 1.6 Half-duration 15.0
Principal Axes:
Scale 10**19 Nm
T Val= 7.85 Plg=27 Azm=126
N 0.66 25 229
P -8.51 52 356
Best Double Couple:Mo=8.2*10**19
NP1:Strike=172 Dip=29 Slip=-151
NP2: 56 76 -64

12 21 15 28.24 6.070S 149.775E 74km
5.6mb (29 abs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 35C
Centroid Location:
Origin Time 21:15:30.0 0.2
Lat 6.14S 0.02 Lon 149.90E 0.04
Dep 79.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**17 Nm
T Val= 5.09 Plg=69 Azm= 5
N 2.04 5 262
P -7.13 21 170
Best Double Couple:Mo=6.1*10**17
NP1:Strike=250 Dip=25 Slip= 78
NP2: 84 66 96

13 04 23 09.60 40.296S 176.064E 21km
6.0mb (42 abs.) 6.3Msz (31 abs.)
NORTH ISLAND, NEW ZEALAND
RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 1.3±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 23 No. of sta: 14
Principal Axes:
Scale 10**18 Nm
T Val= 4.46 Plg=52 Azm=198
N 0.32 36 359
P -4.78 9 96
Best Double Couple:Mo=4.6*10**18
NP1:Strike=220 Dip=48 Slip= 143
NP2: 337 63 49
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C M.W.: 11S, 23C
Centroid Location:
Origin Time 04:23:16.0 0.2
Lat 40.23S 0.03 Lon 176.53E 0.03
Dep 15.8 BDY Half-duration 5.5
Principal Axes:
Scale 10**18 Nm
T Val= 4.42 Plg=53 Azm=219
N 0.39 24 345
P -4.82 27 88
Best Double Couple:Mo=4.6*10**18
NP1:Strike=220 Dip=28 Slip= 149
NP2: 338 76 65

14 06 52 11.84 37.283S 47.736E 10km
5.4mb (31 abs.) 5.2Msz (3 abs.)
ATLANTIC-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 21C
Centroid Location:
Origin Time 06:52:15.6 0.5
Lat 37.13S 0.10 Lon 48.11E 0.09
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**16 Nm
T Val= 13.12 Plg=57 Azm=352
N 1.66 24 126
P -14.77 21 226
Best Double Couple:Mo=1.4*10**17
NP1:Strike=351 Dip=32 Slip= 140
NP2: 117 70 64

14 11 54 30.19 23.789S 179.890E 540km
5.0mb (22 abs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 15C
Centroid Location:
Origin Time 11:54:38.2 1.5
Lat 23.86S 0.13 Lon 179.74E 0.11
Dep 542.9 5.0 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.74 Plg=71 Azm= 85
N 2.02 7 195
P -9.76 18 287
Best Double Couple:Mo=8.8*10**16
NP1:Strike= 28 Dip=28 Slip= 105

NP2: 191 63 82

14 21 34 04.20 35.925S 71.415W 76km
5.8mb (48 obs.)
CENTRAL CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=177 Dip=80 Slip= 146
NP2: 274 57 12
Principal Axes:
T Plg=31 Azm=130
P 15 230
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined
MOMENT TENSOR SOLUTION
Dep 83 No of sta: 7
Principal Axes:
Scale 10**18 Nm
T Val= 1.98 Plg=32 Azm=121
N 0.09 51 340
P -2.06 19 224
Best Double Couple:Mo=2.0*10**18
NP1:Strike=267 Dip=52 Slip= 11
NP2: 170 82 142
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C M.W.: 10S, 16C
Centroid Location:
Origin Time 21:34: 9.9 0.2
Lat 35.89S 0.02 Lon 71.34W 0.02
Dep 92.0 1.6 Half-duration 5.0
Principal Axes:
Scale 10**18 Nm
T Val= 2.04 Plg=44 Azm=115
N -0.32 37 339
P -1.72 24 230
Best Double Couple:Mo=1.9*10**18
NP1:Strike=273 Dip=40 Slip= 19
NP2: 168 78 128

15 14 25 20.69 36.043N 70.428E 113km
5.9mb (90 obs)
HINDU KUSH REGION
FAULT PLANE SOLUTION. P-Waves
NP1:Strike= 70 Dip=63 Slip= 90
NP2: 250 27 90
Principal Axes:
T Plg=72 Azm=340
P 18 160
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 7.3±3.1*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 109 No of sta: 15
Principal Axes:
Scale 10**17 Nm
T Val= 9.86 Plg=67 Azm= 32
N -0.04 17 258
P -9.82 16 163
Best Double Couple:Mo=9.8*10**17
NP1:Strike=230 Dip=33 Slip= 58
NP2: 87 63 109
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 31C
Centroid Location:
Origin Time 14:25:24.9 0.4
Lat 35.44N 0.04 Lon 70.09E 0.04
Dep 113.1 1.9 Half-duration 3.9
Principal Axes:
Scale 10**17 Nm
T Val= 11.69 Plg=62 Azm= 34
N 0.96 23 252
P -12.65 15 155
Best Double Couple:Mo=1.2*10**18
NP1:Strike=216 Dip=36 Slip= 48
NP2: 84 64 116

15 15 21 26.26 3.225S 35.744E 5km
5.3mb (36 obs.) 4.8Msz (3 obs.)
TANZANIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 19C
Centroid Location:
Origin Time 15:21:28.4 1.7
Lat 3.43S 0.14 Lon 35.77E 0.10
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.29 Plg=16 Azm=253
N 0.52 8 346
P -1.81 72 100
Best Double Couple:Mo=1.5*10**17
NP1:Strike=332 Dip=29 Slip=-106
NP2: 170 62 -81

15 16 24 19.51 3.075S 35.891E 5km
5.5mb (51 obs.) 5.2Msz (5 obs.)
TANZANIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 16:24:25.3 0.8
Lat 3.12S 0.08 Lon 35.40E 0.07
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.69 Plg=11 Azm= 0
N -0.90 30 96
P -1.79 58 253
Best Double Couple:Mo=2.2*10**17
NP1:Strike= 59 Dip=43 Slip=-136
NP2: 294 62 -56

15 18 31 39.68 1.158N 123.869E 30km
5.6mb (37 obs.) 5.6Msz (19 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 18:31:42.4 0.3
Lat 1.19N 0.04 Lon 123.29E 0.05
Dep 15.0 FIX Half-duration 3.8
Principal Axes:
Scale 10**17 Nm
T Val= 11.52 Plg=71 Azm=118
N -1.00 8 231
P -10.52 17 323
Best Double Couple:Mo=1.1*10**18
NP1:Strike= 65 Dip=29 Slip= 106
NP2: 227 63 81

15 21 33 30.20 31.835S 178.027W 41km
5.6mb (31 obs.) 5.5Msz (20 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 20C
Centroid Location:
Origin Time 21:33:43.0 0.7
Lat 31.36S 0.08 Lon 178.38W 0.05
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.44 Plg=71 Azm=243
N 0.18 12 11
P -3.61 14 104
Best Double Couple:Mo=3.5*10**17
NP1:Strike=210 Dip=32 Slip= 112
NP2: 4 60 77

15 22 29 59.30 36.112N 100 118E 14km
5.5mb (83 obs.) 5 2Msz (1 obs.)
QINGHAI PROVINCE, CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P B.: 8S, 12C
Centroid Locotion:
Origin Time 22:30:13.1 1.6
Lat 36.65N 0.23 Lon 100.26E 0.29
Dep 15.0 FIX Half-durotion 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 12.09 Plg=56 Azm= 61
N -1.77 12 313
P -10.32 32 216
Best Double Couple:Mo=1 1*10**17
NP1:Strike=271 Dip=17 Slip= 47
NP2: 136 78 102

16 05 24 19.17 5.648S 150.233E 81km
5.6mb (34 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 05:24:22.5 0.6
Lat 5.52S 0.08 Lon 150.90E 0 08
Dep 77.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.47 Plg=40 Azm=148
N -0.51 7 52
P -2.96 49 314
Best Double Couple:Mo=3.2*10**17
NP1:Strike=288 Dip= 9 Slip= -33
NP2: 51 85 -97

16 13 32 36.06 10.940N 85.475W 73km
5.1mb (48 obs.)
COSTA RICA
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 13:32:36.9 0.8
Lat 10.41N 0.09 Lan 86.27W 0.09
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.79 Plg=54 Azm= 29
N 0.13 10 134
P -1.91 34 231
Best Double Couple:Mo=1.9*10**17
NP1:Strike=358 Dip=15 Slip= 135
NP2: 132 80 80

17 01 04 07.59 37.060N 136.880E 267km
5.2mb (100 obs.)
NEAR WEST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 10S, 23C
Centroid Locatian:
Origin Time 01:04:12.1 0.6
Lat 37.20N 0.05 Lon 136.79E 0.09
Dep 274.4 3.0 Half-durotion 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.23 Plg=16 Azm= 0
N 0.68 51 110
P -1.91 35 259
Best Double Couple:Mo=1.6*10**17
NP1:Strike= 45 Dip=53 Slip=-165
NP2: 306 78 -37

17 11 03 24.75 18.080S 69.626W 106km
5.6mb (61 obs.)
NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 11:03:34.9 0.3
Lot 17.90S 0.04 Lon 69.71W 0.04
Dep 126.2 1.9 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 5.07 Plg=33 Azm= 69
N -0.17 9 333
P -4.90 55 230
Best Double Couple:Mo=5.0*10**17
NP1:Strike=190 Dip=14 Slip= -52
NP2: 331 79 -99

17 13 21 07.48 38.430N 74.363E 114km
5.5mb (77 obs.)
TAJIK-XINJIANG BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 13:21:12.2 0.6
Lat 38.12N 0.05 Lan 74.58E 0.04
Dep 115.7 2.1 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.42 Plg=18 Azm=255
N 0.46 65 30
P -4.87 17 159
Best Double Couple:Mo=4.7*10**17
NP1:Strike=297 Dip=65 Slip= 179
NP2: 28 89 25

17 15 59 56.53 25.398S 178.101E 614km
5.8mb (55 obs.)
SOUTH OF FIJI ISLANDS

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B. 12S, 29C
Centroid Location:
Origin Time 16:00: 5.9 0.4
Lat 25.40S 0.04 Lon 177.63E 0.03
Dep 629.3 2.1 Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 7.52 Plg=15 Azm= 32
N 2.06 61 151
P -9.58 24 295
Best Double Couple:Mo=8.6*10**17
NP1:Strike= 75 Dip=61 Slip=-173
NP2: 342 84 -29

17 23 28 00.12 26.619N 127.846E 33km
6.0mb (88 obs.) 5.7Msz (18 obs.)
RYUKYU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 55 Dip=64 Slip= 90
NP2: 235 26 90
Principal Axes:
T Plg=71 Azm=325
P 19 145
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. C
Energy 6.0±2.2*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 23:28: 3.3 0.4
Lat 26.31N 0.05 Lon 127.42E 0.07
Dep 48.6 4.1 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 5.92 Plg=72 Azm=295
N 0.71 5 41
P -6.63 17 133
Best Double Couple:Mo=6.3*10**17
NP1:Strike=231 Dip=28 Slip= 101
NP2: 38 63 84

19 06 46 35.81 40.213N 143.253E 27km
5.4mb (70 obs.) 4.8Msz (11 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B. 9S, 15C
Centroid Location:
Origin Time 06:46:38.6 0.7
Lat 39.99N 0.10 Lon 142.96E 0.14
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.12 Plg=53 Azm=267
N 0.06 3 1
P -1.19 37 94
Best Double Couple:Mo=1.1*10**17
NP1:Strike=204 Dip= 9 Slip= 113
NP2: 1 82 87

19 13 27 41.08 13.081N 143.841E 141km
5.4mb (37 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 13:27:46.2 0.5
Lat 12.52N 0.05 Lon 143.27E 0.07
Dep 124.1 3.3 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.87 Plg=58 Azm=312
N 0.38 15 69
P -2.25 27 167
Best Double Couple:Mo=2.1*10**17
NP1:Strike=290 Dip=23 Slip= 133
NP2: 64 74 74

20 02 22 01.62 5.121N 32.145E 15km
6.7mb (72 obs.) 7.1Msz (23 obs.)
SUDAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=250 Dip=80 Slip= 176
NP2: 341 86 10
Principal Axes:
T Plg=10 Azm=206
P 4 115
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: 5 Focal mech. F
Energy 1.4±0.2*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 12 No. of sta: 12
Principal Axes:
Scale 10**19 Nm
T Val= 7.26 Plg= 9 Azm=194
N 0.21 80 25
P -7.47 2 284
Best Double Couple:Mo=7.4*10**19
NP1:Strike=329 Dip=82 Slip= 5
NP2: 238 85 172
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 40C M.W.: 11S, 29C
Centroid Location:
Origin Time 02:22: 7.5 0.2
Lat 5.32N 0.01 Lon 32.29E 0.02
Dep 15.0 FIX Half-duration 20.0
Principal Axes
Scale 10**19 Nm
T Val= 6.44 Plg=19 Azm=182
N -2.34 66 324
P -4.11 13 87
Best Double Couple:Mo=5.3*10**19
NP1:Strike=224 Dip=67 Slip= 176
NP2: 315 86 23

20 07 32 37.27 18.102S 175.130W 232km
5.9mb (49 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=67 Slip=-110
NP2: 243 30 -51
Principal Axes:
T Plg=20 Azm=125
P 63 258
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 242 No. of sta. 11
Principal Axes:
Scale 10**18 Nm
T Val= 3.07 Plg=16 Azm=151
N -0.07 39 48
P -2.99 47 258
Best Double Couple:Mo=3.0*10**18
NP1:Strike=281 Dip=45 Slip= -28
NP2: 32 71 -131
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 07:32:46.1 0.5
Lat 18.10S 0.05 Lon 175.42W 0.04
Dep 246.7 2.1 Half-duration 4.9
Principal Axes:
Scale 10**18 Nm
T Val= 2.91 Plg=26 Azm=124
N -0.39 29 19
P -2.53 50 249
Best Double Couple:Mo=2.7*10**18
NP1:Strike=260 Dip=32 Slip= -25
NP2: 12 77 -119

20 09 53 47.49 32.500S 179.624E 346km
5.6mb (56 obs)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 09:53:57.3 0.4
Lat 32.16S 0.04 Lon 179.23E 0.04
Dep 352.7 1.9 Half-duration 4.0
Principal Axes:
Scale 10**17 Nm
T Val= 16.07 Plg=31 Azm=208
N -1.46 39 328
P -14.61 35 92
Best Double Couple:Mo=1.5*10**18
NP1:Strike=242 Dip=39 Slip=-176
NP2: 149 88 -51

21 13 00 09.75 53.558N 163.537W 33km
5.7mb (86 obs.) 5.3Msz (18 obs.)
UNIMAK ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 13:00:11.0 0.6
Lat 53.48N 0.06 Lon 163.19W 0.06
Dep 31.2 4.2 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.06 Plg=55 Azm= 35
N 0.41 31 247
P -2.47 15 148
Best Double Couple:Mo=2.3*10**17
NP1:Strike=203 Dip=40 Slip= 38
NP2: 82 67 124

21 13 24 36.69 8.137S 109.043E 28km
5.5mb (46 obs.) 5.2Msz (3 obs.)
JAVA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 13:24:47.5 0.5
Lat 8.71S 0.05 Lon 109.49E 0.07
Dep 30.7 5.0 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 2.74 Plg=62 Azm=356
N 0.65 7 101
P -3.39 27 194
Best Double Couple:Mo=3.1*10**17
NP1:Strike=303 Dip=19 Slip= 113
NP2: 98 72 82

22 13 25 36.32 36.299S 97 876W 33km
5.4mb (6 obs.) 5.6Msz (9 obs.)
WEST CHILE RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 13:25:37.6 0.2
Lat 36.39S 0.03 Lon 98.01W 0.03
Dep 15.0 FIX Half-duration 4.4
Principal Axes:
Scale 10**18 Nm
T Val= 2.05 Plg=18 Azm= 48
N -0.44 67 269
P -1.61 14 143
Best Double Couple:Mo=1.8*10**18
NP1:Strike=186 Dip=67 Slip= 3
NP2: 95 87 157

22 20 35 38.59 19.741N 76.023W 14km
5.1mb (44 obs.) 4.9Msz (10 obs.)
CUBA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.. 10S, 19C
Centroid Location:
Origin Time 20:35:39.8 0.6
Lat 19.79N FIX;Lon 76.07W FIX
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**16 Nm
T Val= 13.45 Plg=47 Azm=131
N -1.45 37 345
P -12.01 17 241
Best Double Couple:Mo=1.3*10**17
NP1:Strike=290 Dip=43 Slip= 27
NP2: 179 72 130

23 09 57 21.63 2.920S 141.551E 53km
4.8mb (17 obs.) 4.6Msz (6 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 09:57:22.3 0.6
Lat 2.88S 0.08 Lon 141.45E 0.09
Dep 23.0 7.5 Half-duration 2.0
Principal Axes:
Scale 10**16 Nm
T Val= 12.31 Plg=27 Azm=323

N -0.64 30 216
P -11.67 48 86
Best Double Couple:Mo=1.2*10**17
NP1:Strike=100 Dip=33 Slip= -22
NP2: 209 78 -121

23 12 52 25.15 20.634N 120.894E 35km
5.5mb (50 obs.) 4.6Msz (4 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centroid Location:
Origin Time 12:52:24.8 0.7
Lat 20.40N 0.16 Lon 120.42E 0.25
Dep 28.3 7.8 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.79 Plg= 7 Azm=118
N -0.49 45 21
P -7.30 44 215
Best Double Couple:Mo=7.5*10**16
NP1:Strike=246 Dip=55 Slip= -30
NP2: 354 66 -141

23 19 35 14.90 7.343S 128.803E 129km
5.5mb (40 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 19:35:20 1 0.7
Lat 7.27S 0.06 Lon 128.70E 0.07
Dep 147.1 1.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.56 Plg=81 Azm=265
N 0.19 4 145
P -1.74 8 54
Best Double Couple:Mo=1.6*10**17
NP1:Strike=139 Dip=37 Slip= 83
NP2: 328 53 96

23 20 59 37.42 18.890S 168.858E 162km
5.6mb (39 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 20:59:36.9 0.9
Lat 18.84S FIX;Lon 168.85E FIX
Dep 150.1 2.7 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 10.12 Plg=32 Azm= 83
N 1.67 19 341
P -11.79 52 225
Best Double Couple:Mo=1.1*10**17
NP1:Strike=218 Dip=22 Slip= -31
NP2: 337 79 -109

24 19 34 44.24 5.277N 31.829E 17km
5.9mb (49 obs.) 6.6Msz (14 obs.)
SUDAN
RADIATED ENERGY
No. of sta: 8 Focal mech. M
Energy 2.4±0.6*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 9 No. of sta: 14
Principal Axes:
Scale 10**18 Nm
T Val= 5.22 Plg= 8 Azm=337
N -0.19 5 247
P -5.03 80 124
Best Double Couple:Mo=5.1*10**18
NP1:Strike= 74 Dip=37 Slip= -81
NP2: 243 53 -97
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 42C
Centroid Location:
Origin Time 19:34:53.6 0.5
Lat 5.93N 0.04 Lon 31.64E 0.03
Dep 15.0 BDY Half-duration 6.7
Principal Axes:
Scale 10**18 Nm
T Val= 7.04 Plg= 6 Azm=156
N -1.19 9 247
P -5.86 79 31
Best Double Couple:Mo=6.4*10**18
NP1:Strike=236 Dip=39 Slip=-104
NP2: 74 52 -79

24 20 00 08.19 5.358N 31.848E 16km
6.5mb (52 obs.) 7.0Msz (14 obs.)
SUDAN
RADIATED ENERGY
No. of sta: 6 Focal mech. C
Energy 3.3±0.7*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 40C M.W.: 12S, 31C
Centroid Location:
Origin Time 20:00:21.7 0.2
Lat 5.70N 0.02 Lon 31.67E 0.02
Dep 15.0 FIX Half-duration 15.0
Principal Axes:
Scale 10**19 Nm
T Val= 4.87 Plg= 9 Azm=171
N -0.20 26 265
P -4.67 62 63
Best Double Couple:Mo=4.8*10**19
NP1:Strike=232 Dip=43 Slip=-131
NP2: 102 59 -59

24 20 09 23.24 7.363S 120.363E 589km
6.4mb (25 obs)
FLORES SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=245 Dip=65 Slip= -90
NP2: 65 25 -90
Principal Axes:
T Plg=20 Azm=335
P 70 155
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting. The preferred fault plane is NP1.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C M.W.: 9S, 19C
Centroid Location:
Origin Time 20:09:31.0 0.4
Lat 7.30S 0.03 Lon 120.95E 0.06
Dep 580.3 3.2 Half-duration 11.0
Principal Axes:
Scale 10**19 Nm
T Val= 4.20 Plg=21 Azm=329
N 0.75 7 61
P -4.95 68 169
Best Double Couple:Mo=4.6*10**19
NP1:Strike= 46 Dip=25 Slip=-107
NP2: 245 66 -82

25 02 03 27.56 2.871S 130.338E 15km
5.8mb (55 obs.) 5.4Msz (22 obs.)
CERAM
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=310 Dip=82 Slip= 90
NP2: 130 8 90
Principal Axes:
T Plg=53 Azm=220
P 37 40
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 2.4±0.9*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 16 No. of sta: 4
Principal Axes
Scale 10**17 Nm
T Val= 5.33 Plg=52 Azm=217
N 0.01 2 125
P -5.34 38 33
Best Double Couple:Mo=5.3*10**17
NP1:Strike=109 Dip= 8 Slip= 74
NP2: 305 83 92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 02:03:32.0 1.3
Lat 2.70S 0.10 Lon 129.98E 0.09
Dep 15.0 FIX Half-duration 2.9
Principal Axes:
Scale 10**17 Nm
T Val= 7.21 Plg=62 Azm=241
N -0.10 6 139
P -7.11 27 46
Best Double Couple:Mo=7.2*10**17
NP1:Strike=121 Dip=19 Slip= 71
NP2: 321 72 96

26 02 57 34.82 1.342N 123.371E 34km
5.2mb (21 obs.) 5.2Msz (12 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Location:
Origin Time 02:57:35.0 0.5
Lat 1.33N FIX;Lon 123.36E FIX
Dep 33.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 4.91 Plg=56 Azm=184
N -0.25 4 280
P -4.67 34 13
Best Double Couple:Mo=4.8*10**17
NP1:Strike=119 Dip=12 Slip= 109
NP2: 279 79 86

26 05 11 13.25 17.031S 168.443E 223km
4.9mb (14 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 05:11:19.3 1.3
Lat 16.89S 0.15 Lon 168.18E 0.09
Dep 217.2 4.1 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.34 Plg=27 Azm= 60
N 0.06 63 242
P -1.40 1 150
Best Double Couple:Mo=1.4*10**17
NP1:Strike=198 Dip=71 Slip= 19
NP2: 102 72 159

27 03 03 42.25 6.910N 82.714W 17km
5.2mb (45 obs.) 5.0Msz (4 obs.)
SOUTH OF PANAMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 03:03:45.0 0.7
Lat 6.96N FIX;Lon 82.66W FIX
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 1.28 Plg= 0 Azm=130
N -0.24 90 180
P -1.04 0 40
Best Double Couple:Mo=1.2*10**17
NP1:Strike=175 Dip=90 Slip=-180
NP2: 265 90 0

27 03 22 49.56 15.462N 147.655E 39km
5.5mb (46 obs.) 4.7Msz (6 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centroid Location:
Origin Time 03:22:50.4 0.6
Lat 15.45N 0.05 Lon 147.61E 0.06
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 9.42 Plg= 0 Azm=127
N 0.00 0 37
P -9.42 90 180
Best Double Couple:Mo=9.4*10**16
NP1:Strike=217 Dip=45 Slip= -90
NP2: 37 45 -90

27 12 24 46.57 15.544N 147.740E 36km
5.1mb (19 obs.) 4.7Msz (5 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 12:24:45.9 0.8
Lat 15.50N 0.07 Lon 147.96E 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 5.04 Plg= 0 Azm=135

N −0.93 0 45
P −4.11 90 180
Best Double Couple:Mo=4.6*10**16
NP1:Strike=225 Dip=45 Slip= -90
NP2: 45 45 -90

27 21 49 35.46 74.225N 8.828E 29km
5.5mb (61 obs.) 5.7Msz (26 obs.)
GREENLAND SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 21:49:35.8 0.4
Lat 73.86N 0.07 Lon 7.78E 0.06
Dep 15.0 FIX Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 5.65 Plg= 0 Azm=105
N −1.55 0 15
P −4.10 90 180
Best Double Couple:Mo=4.9*10**17
NP1:Strike=195 Dip=45 Slip= -90
NP2: 15 45 -90

27 21 52 55.79 7.715N 36.963W 10km
5.3mb (47 obs.) 5.2Msz (3 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centroid Location:
Origin Time 21:53: 1.2 0.4
Lat 7.62N 0.04 Lon 36.85W 0.04
Dep 15.0 FIX Half-duration 3.4
Principal Axes:
Scale 10**17 Nm
T Val= 8.01 Plg= 0 Azm=226
N −0.58 90 180
P −7.44 0 136
Best Double Couple:Mo=7.7*10**17
NP1:Strike=271 Dip=90 Slip=-180
NP2: 1 90 0

28 11 28 47.69 20.874S 177.987W 486km
5.9mb (51 obs.)
FIJI ISLANDS REGION
RADIATED ENERGY
No. of sta: 7 Focal mech. C
Energy 2.6±0.6*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 466 No. of sta: 10
Principal Axes:
Scale 10**17 Nm
T Val= 7.79 Plg=15 Azm=117
N −0.04 12 24
P −7.75 71 255
Best Double Couple:Mo=7.8*10**17
NP1:Strike=224 Dip=32 Slip= -67
NP2: 17 61 -104
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 40C
Centroid Location:
Origin Time 11:28:54.7 0.5
Lat 20.68S 0.05 Lon 178.01W 0.03
Dep 493.8 1.7 Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 8.11 Plg=18 Azm= 76
N 1.34 16 171
P −9.45 66 301
Best Double Couple:Mo=8.8*10**17
NP1:Strike=142 Dip=31 Slip=-123
NP2: 359 64 -72

28 15 12 00.17 7.139S 127.309E 329km
4.8mb (15 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 15:12: 6.5 1.0
Lat 6.56S 0.09 Lon 127.67E 0.10
Dep 327.1 3.0 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 12.92 Plg=50 Azm=220
N 0.20 4 315
P −13.12 39 49
Best Double Couple:Mo=1.3*10**17
NP1:Strike=174 Dip= 7 Slip= 129
NP2: 315 85 86

28 16 11 59.56 43.919N 147.378E 34km
5.3mb (61 obs.) 4.4Msz (5 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 16:12: 6.7 0.4
Lat 43.89N 0.05 Lon 147.22E 0.06
Dep 96.1 3.4 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 12.80 Plg=20 Azm=321
N −1.04 6 228
P −11.76 69 123
Best Double Couple:Mo=1.2*10**17
NP1:Strike= 61 Dip=25 Slip= -76
NP2: 226 65 -97

28 21 39 08.13 4.633S 152.187E 96km
5.2mb (21 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 21:39:10.9 0.7
Lat 4.55S 0.08 Lon 152.54E 0.07
Dep 99.6 4.1 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.22 Plg=36 Azm=152
N 1.03 27 264
P −10.25 42 21
Best Double Couple:Mo=9.7*10**16
NP1:Strike=181 Dip=28 Slip=-173
NP2: 85 87 -63

29 12 35 28.92 15.970N 120.237E 46km
5.3mb (46 obs.) 4.5Msz (6 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 12:35:25.5 0.8
Lat 16.23N 0.10 Lon 120.54E 0.11
Dep 16.9 4.9 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 7.86 Plg= 7 Azm= 0
N −0.47 12 92
P −7.38 76 241
Best Double Couple:Mo=7.6*10**16
NP1:Strike= 76 Dip=39 Slip=-110
NP2: 281 53 -75

29 18 31 12.29 56.956N 153.569W 25km
5.9mb (80 obs.) 5.8Msz (33 obs.)
KODIAK ISLAND REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 50 Dip=77 Slip= 90
NP2: 230 13 90
Principal Axes:
T Plg=58 Azm=320
P 32 140
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. F
Energy 2.6±0.6*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 18:31:15.6 0.2
Lat 56.89N 0.04 Lon 153.09W 0.05
Dep 15.0 BDY Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 1.51 Plg=53 Azm=337
N 0.12 4 241
P −1.63 37 148
Best Double Couple:Mo=1.6*10**18
NP1:Strike=212 Dip= 9 Slip= 61
NP2: 62 82 94

30 02 34 05.88 6.016S 77.229W 24km
6.1mb (75 obs.) 6.5Msz (29 obs.)
NORTHERN PERU
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=355 Dip=72 Slip= 90
NP2: 175 18 90
Principal Axes:
T Plg=63 Azm=265
P 27 85
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. M
Energy 1.2±0.3*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 20 No. of sta: 16
Principal Axes:
Scale 10**18 Nm
T Val= 7.72 Plg=68 Azm=210
N 0.51 8 322
P −8.23 20 55
Best Double Couple:Mo=8.0*10**18
NP1:Strike=160 Dip=26 Slip= 109
NP2: 318 65 81
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 44C M.W.: 13S, 31C
Centroid Location:
Origin Time 02:34:12.3 0.2
Lat 6.22S 0.01 Lon 77.01W 0.02
Dep 23.2 0.8 Half-duration 6.6
Principal Axes:
Scale 10**18 Nm
T Val= 7.97 Plg=63 Azm=222
N −0.65 13 338
P −7.32 24 73
Best Double Couple:Mo=7.7*10**18
NP1:Strike=188 Dip=24 Slip= 122
NP2: 333 70 77

30 09 22 23.17 8.875S 122.561E 94km
5.2mb (18 obs.)
FLORES ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 09:22:25.3 2.0
Lat 9.13S 0.15 Lon 122.58E 0.13
Dep 136.3 3.8 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.51 Plg= 3 Azm=305
N −0.11 77 50
P −1.40 13 215
Best Double Couple:Mo=1.5*10**17
NP1:Strike=351 Dip=79 Slip=-173
NP2: 259 83 -11

30 10 40 06.14 45.841N 26.668E 89km
6.7mb (38 obs.)
ROMANIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=218 Dip=62 Slip= 82
NP2: 55 29 105
Principal Axes:
T Plg=72 Azm=110
P 17 314
Comment: The focal mechanism is well controlled and corresponds to reverse faulting with a small strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 2.2±0.7*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 36C M.W.: 10S, 25C
Centroid Location:
Origin Time 10:40:12.7 0.2
Lat 45.92N 0.02 Lon 26.81E 0.02
Dep 74.3 0.7 Half-duration 11.4
Principal Axes:
Scale 10**19 Nm
T Val= 3.19 Plg=70 Azm=168
N −0.36 9 51
P −2.82 17 318
Best Double Couple:Mo=3.0*10**19
NP1:Strike= 33 Dip=29 Slip= 70

NP2: 236 63 101

30 16 49 26.88 6.018S 77.127W 22km
5.4mb (58 obs.) 5.1Msz (3 obs.)
NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 16:49:31.4 0.8
Lat 6.16S 0.09 Lon 76.43W 0.12
Dep 23.1 5.8 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.73 Plg=62 Azm=185
N -0.73 18 312
P -3.00 21 49
Best Double Couple:Mo=3.4*10**17
NP1:Strike=169 Dip=29 Slip= 130
NP2: 305 68 70

31 00 17 47.85 45.811N 26.769E 88km
6.1mb (73 obs.)
ROMANIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=310 Dip=70 Slip= 90
NP2: 130 20 90
Principal Axes:
T Plg=65 Azm=220
P 25 40

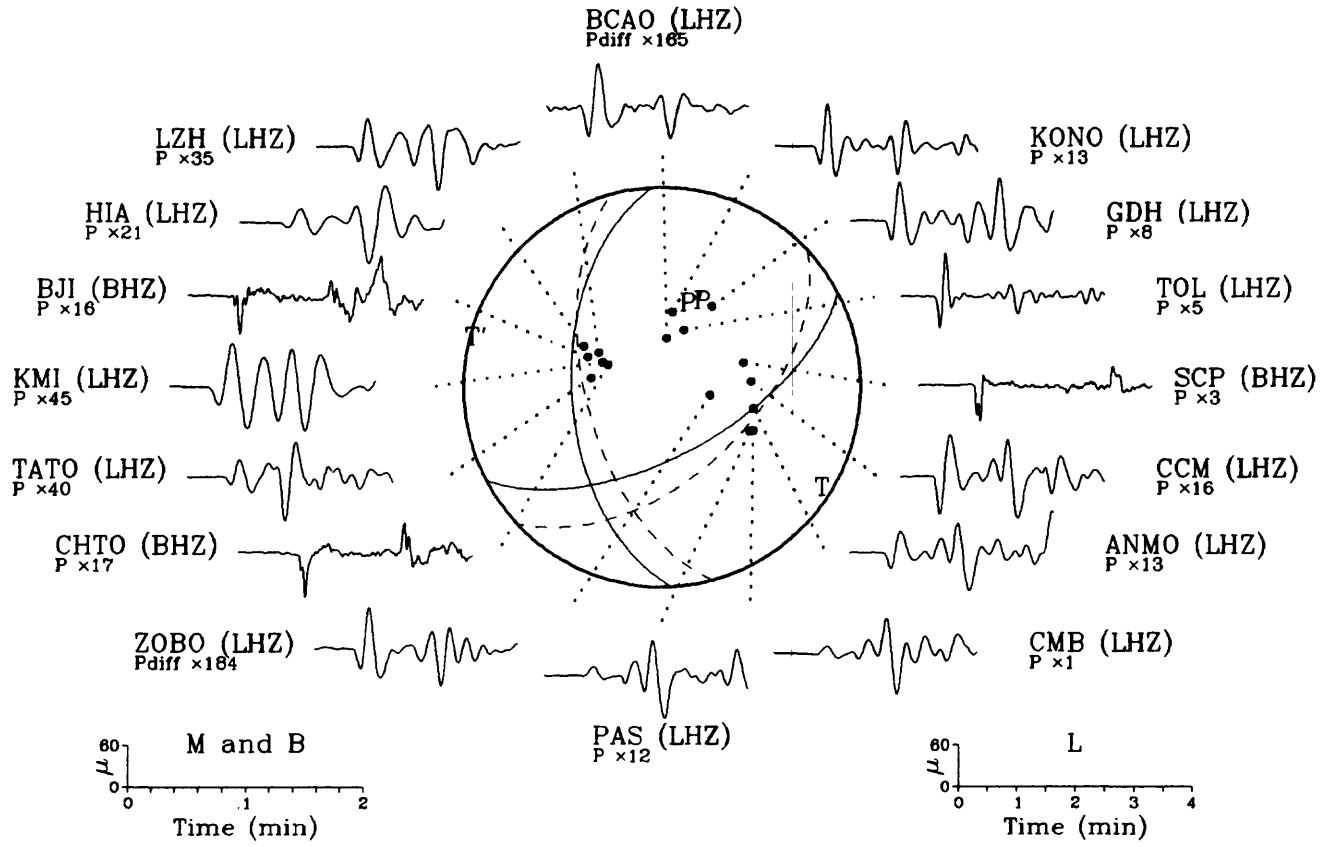
Comment: The focal mechanism is well controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 41C M.W.: 13S, 24C
Centroid Location:
Origin Time 00:17:44.7 0.3
Lat 45.67N 0.03 Lon 26.00E 0.02
Dep 87.3 1.3 Half-duration 5.5
Principal Axes:
Scale 10**18 Nm
T Val= 3.16 Plg=63 Azm=244
N 0.15 15 123
P -3.31 22 27
Best Double Couple:Mo=3.2*10**18
NP1:Strike= 90 Dip=26 Slip= 54
NP2: 309 69 106

31 07 35 27.01 17.260N 100.707W 23km
5.8mb (67 obs.) 5.9Msz (26 obs.)
GUERRERO, MEXICO
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=135 Dip=40 Slip= 90
NP2: 315 50 90
Principal Axes:
T Plg=85 Azm=225
P 5 45

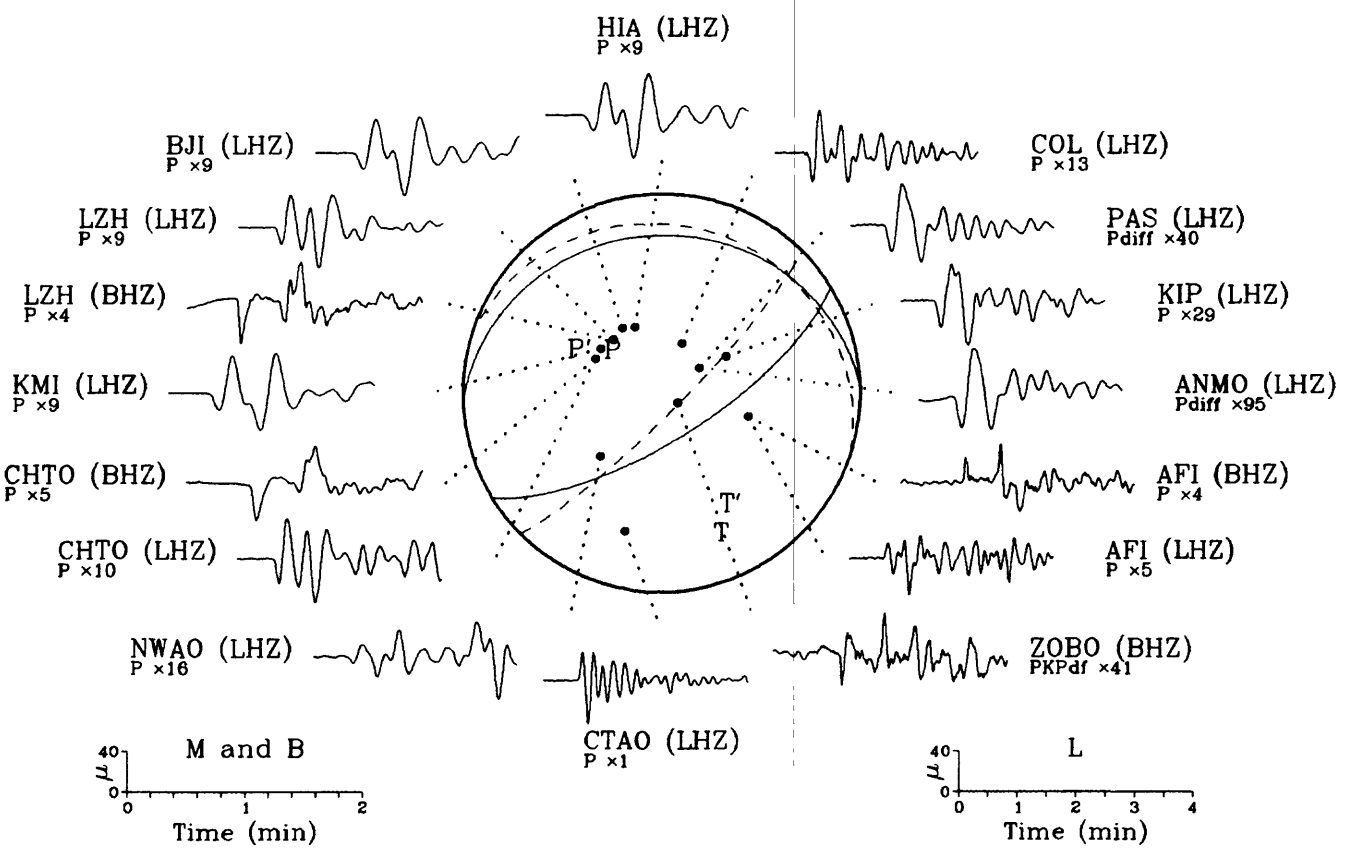
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 18 No. of sta: 13
Principal Axes:
Scale 10**18 Nm
T Val= 1.20 Plg=58 Azm=292
N -0.02 31 122
P -1.18 4 29
Best Double Couple:Mo=1.2*10**18
NP1:Strike= 90 Dip=49 Slip= 47
NP2: 325 57 128
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 07:35:23.7 0.9
Lat 16.77N 0.08 Lon 100.12W 0.05
Dep 26.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 5.70 Plg=74 Azm= 53
N 3.58 11 280
P -9.28 11 188
Best Double Couple:Mo=7.5*10**17
NP1:Strike=265 Dip=35 Slip= 71
NP2: 108 57 103

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

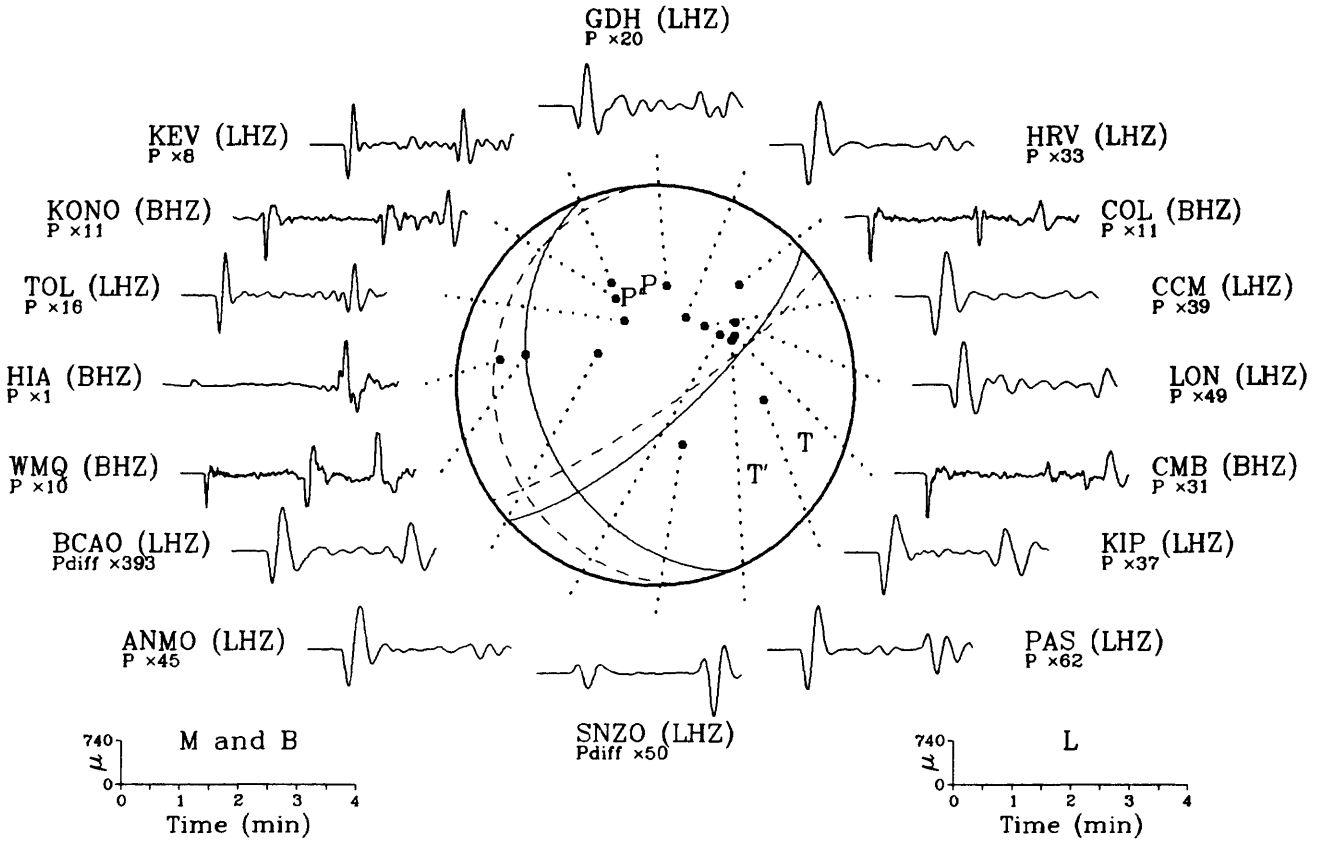
01 May 1990 16:12:21.44
Alaska Peninsula



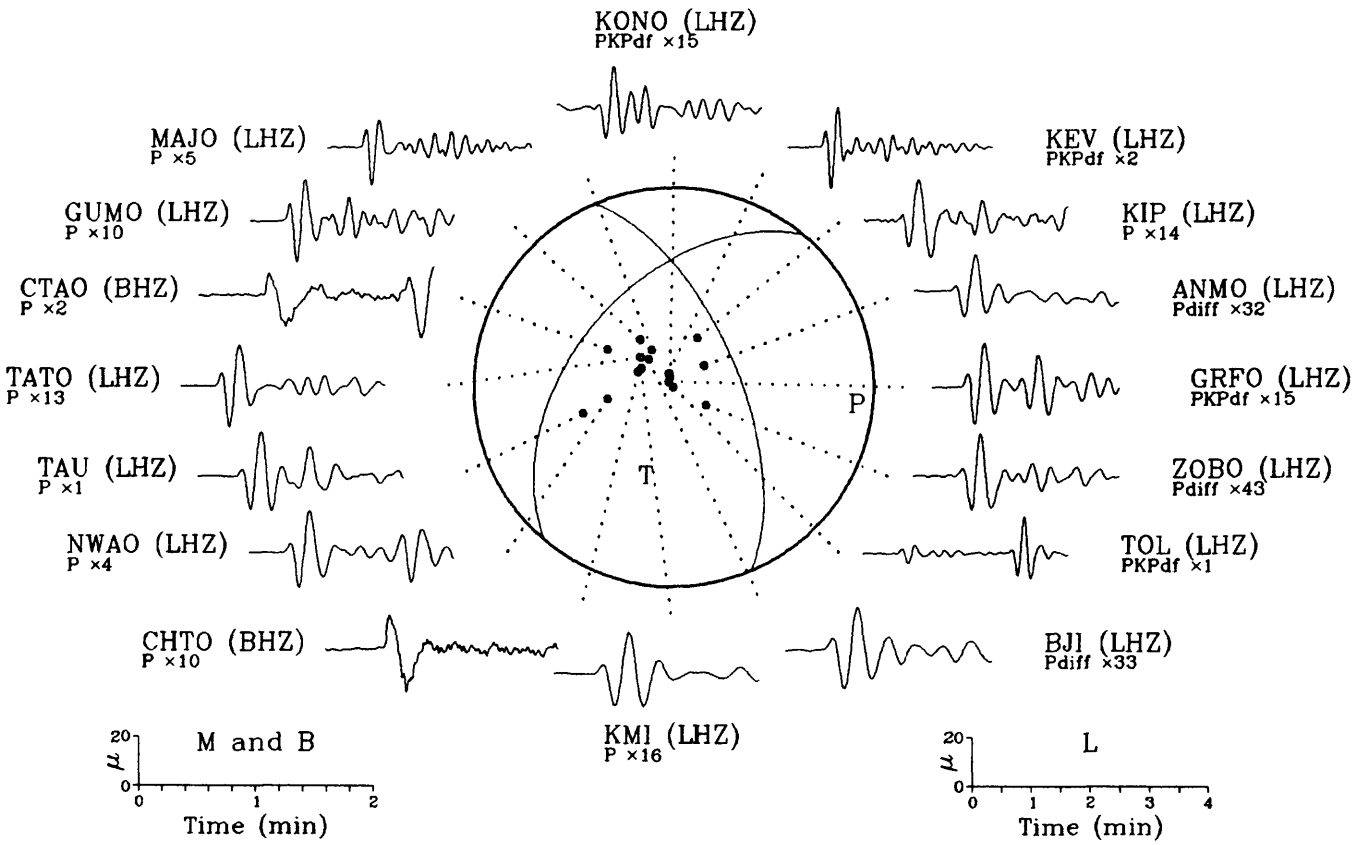
02 May 1990 22:50:29.56
New Britain Region



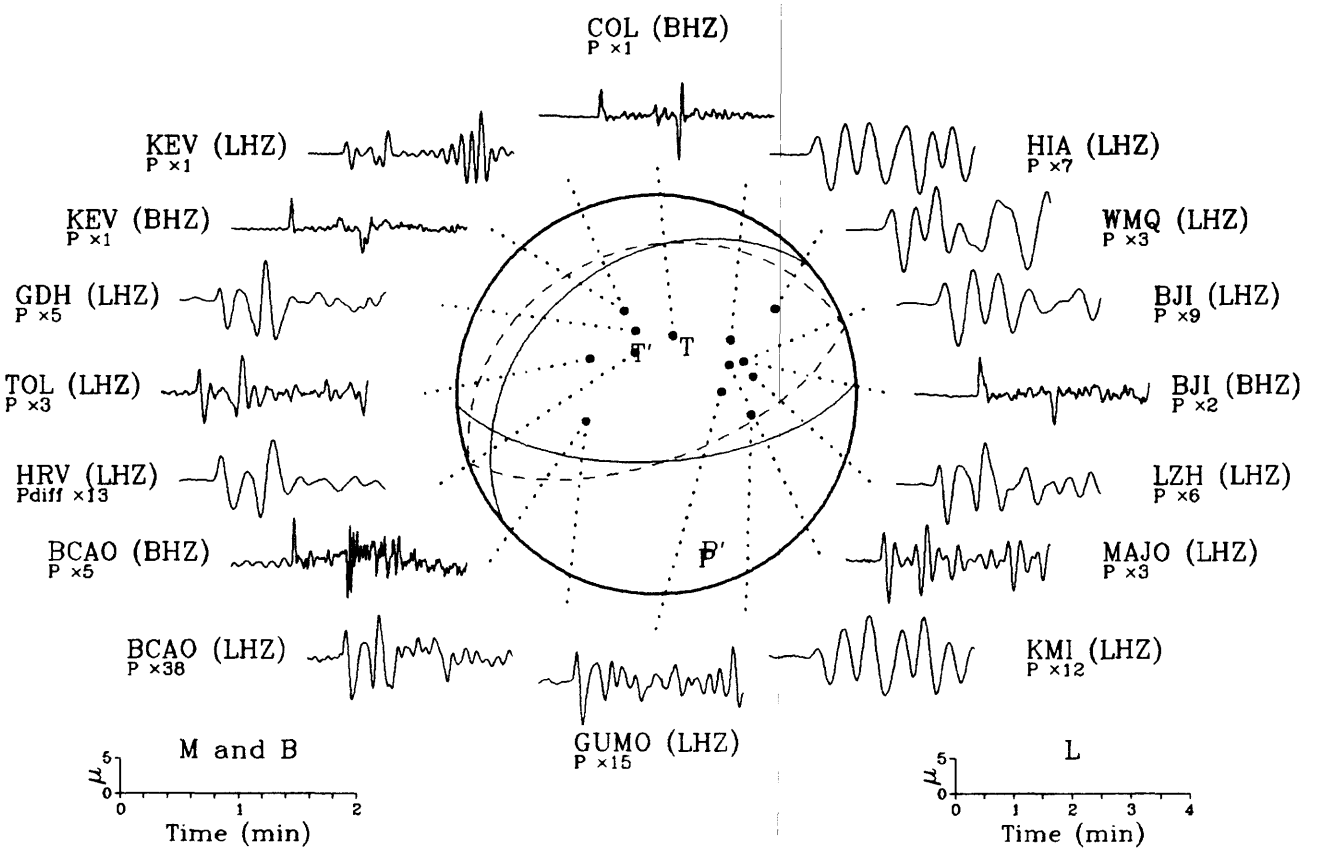
12 May 1990 04:50:08.71
Sakhalin Island



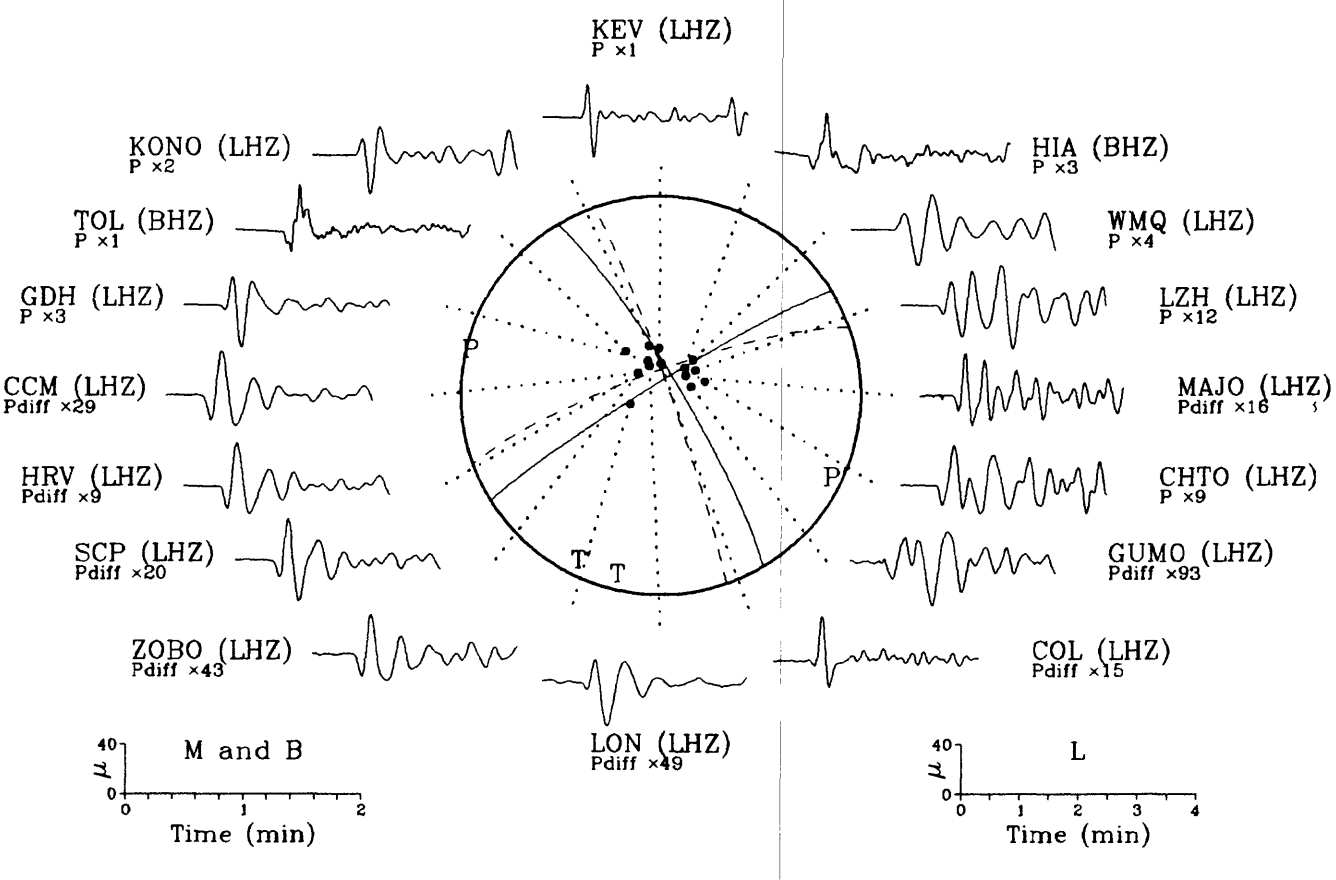
13 May 1990 04:23:09.60
North Island, New Zealand



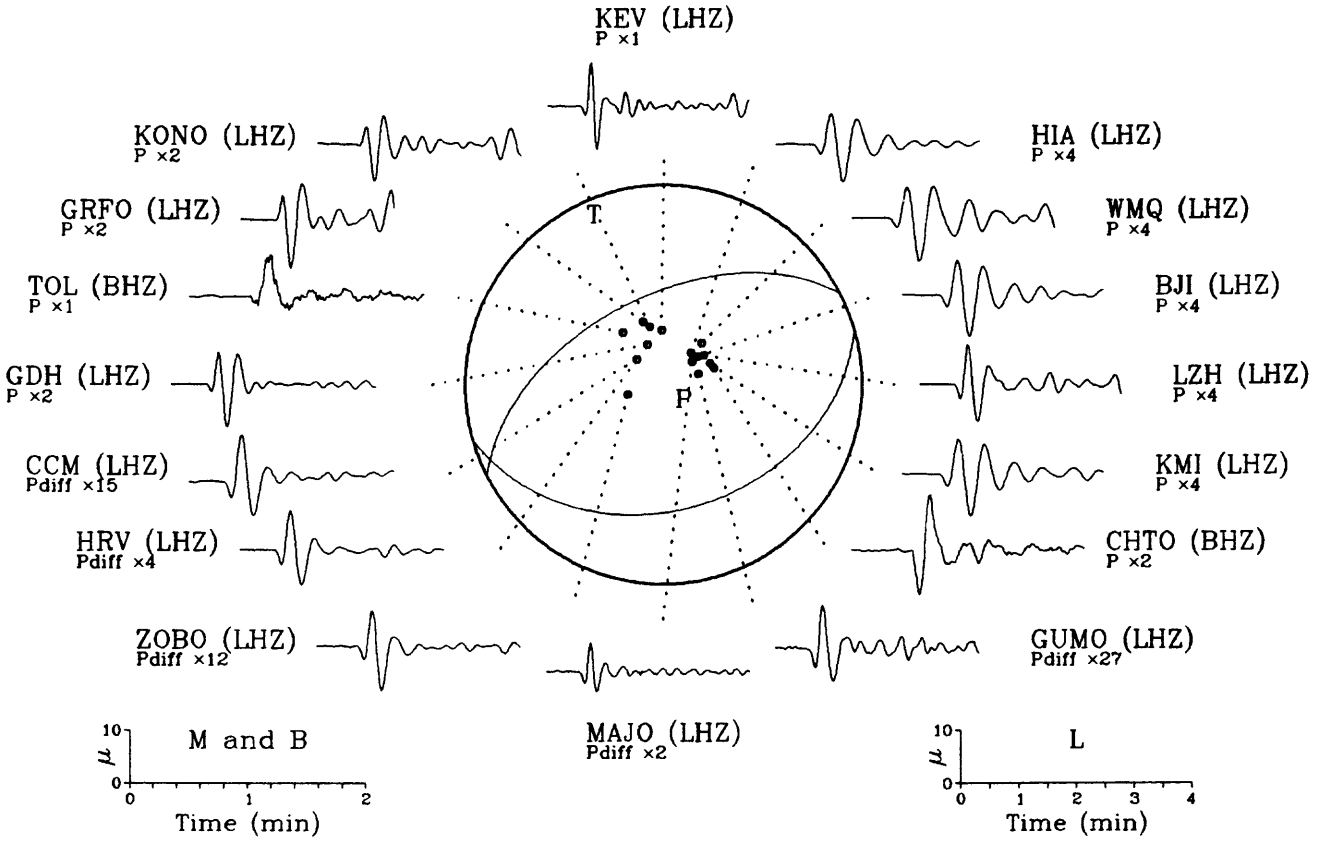
15 May 1990 14:25:20.69
Hindu Kush Region



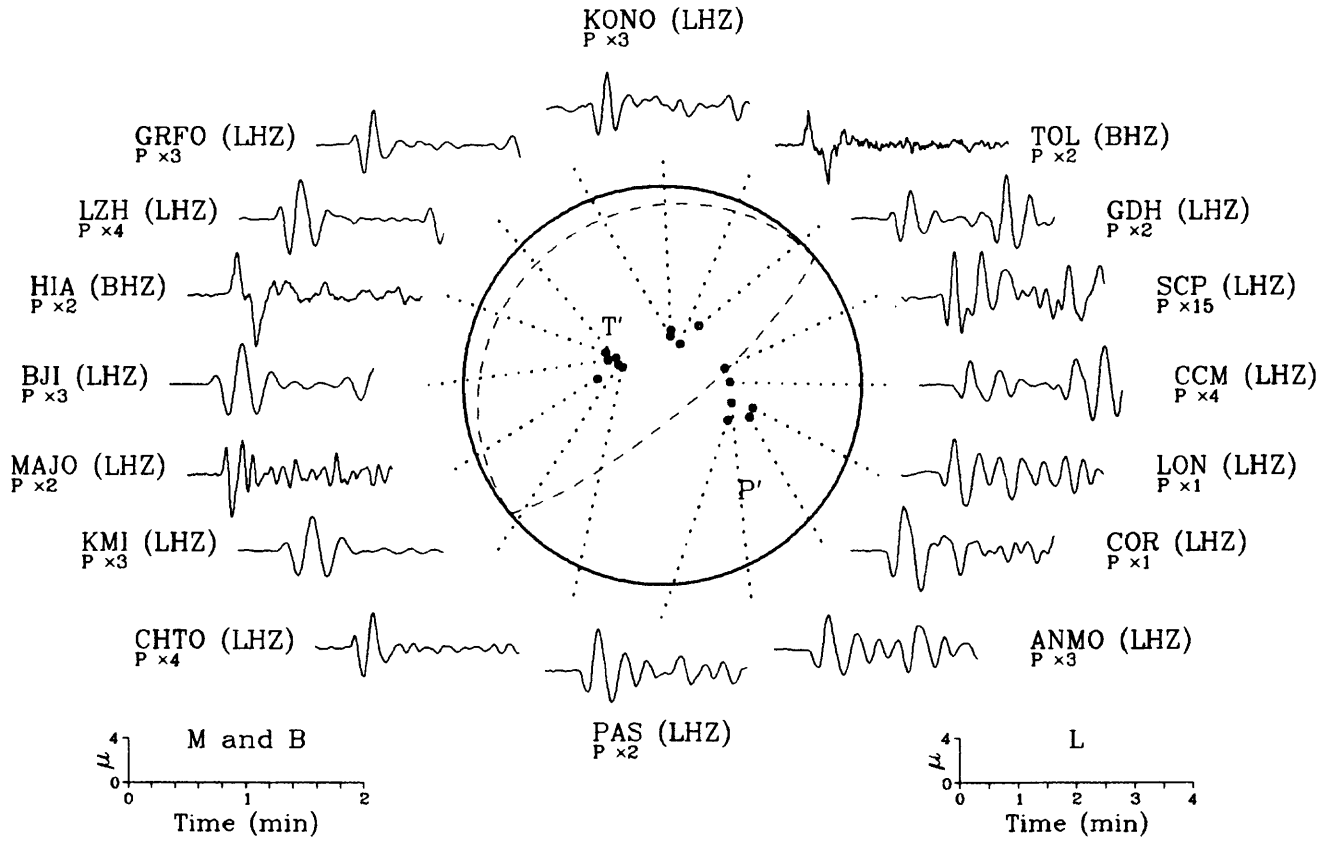
20 May 1990 02:22:01.62
Sudan



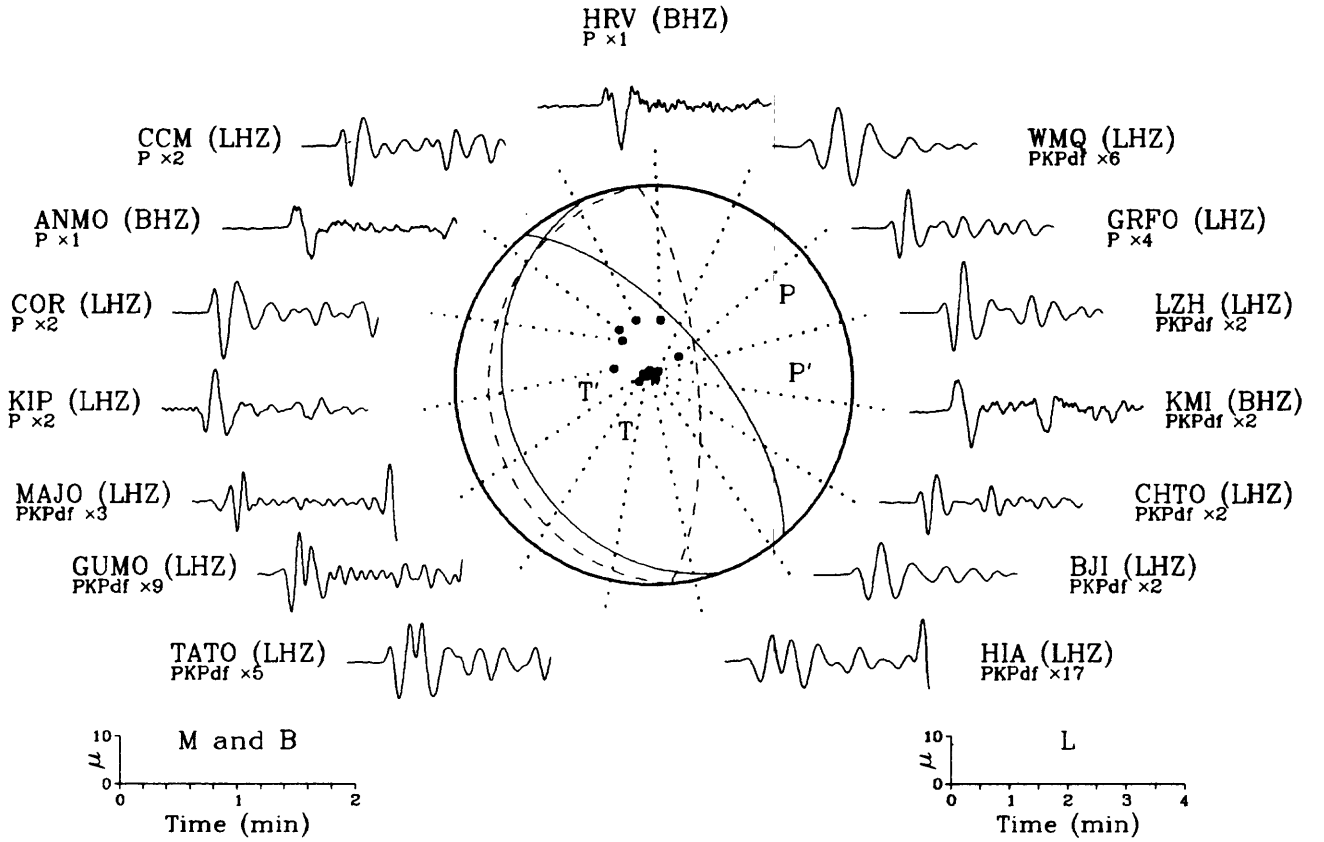
24 May 1990 19:34:44.24
Sudan



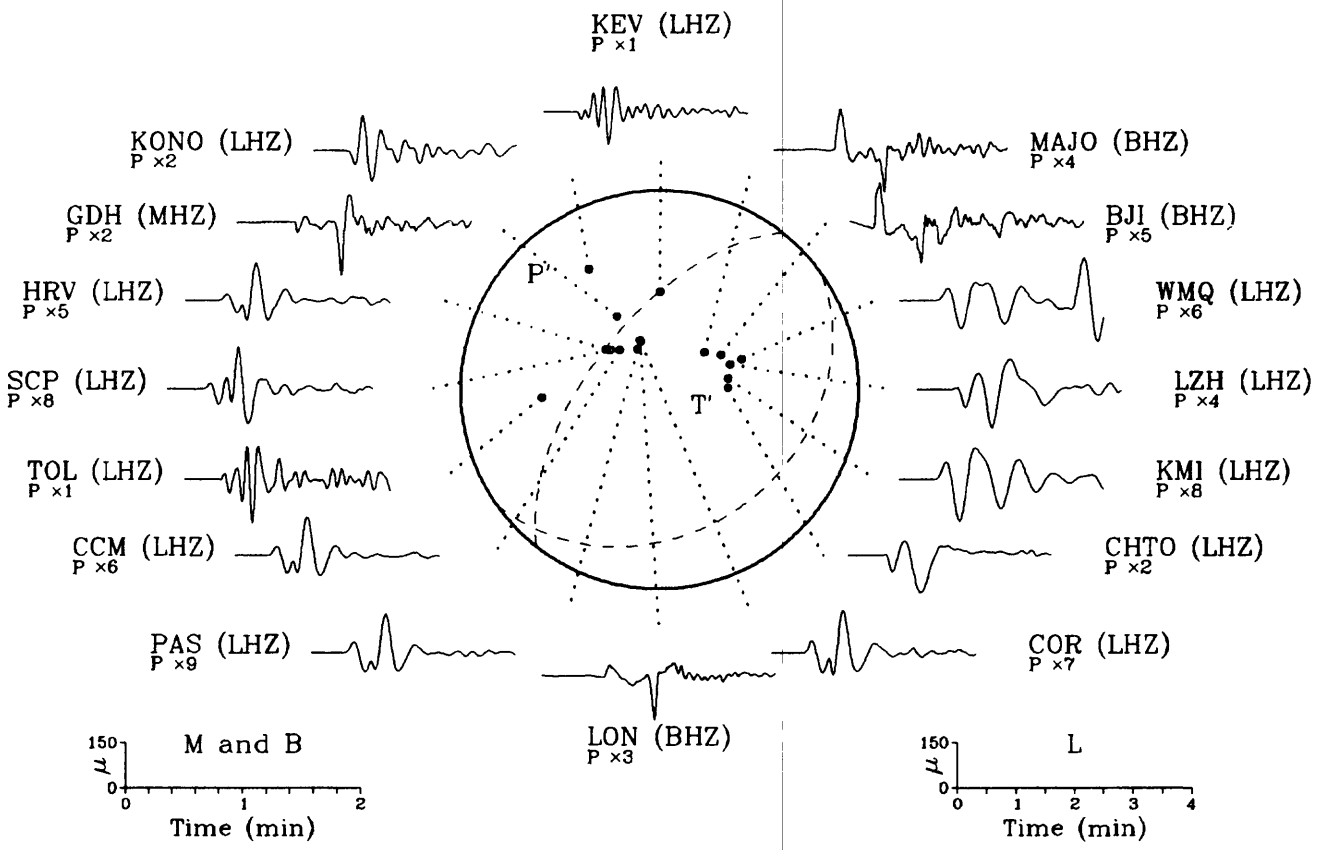
29 May 1990 18:31:12.29
Kodiak Island Region



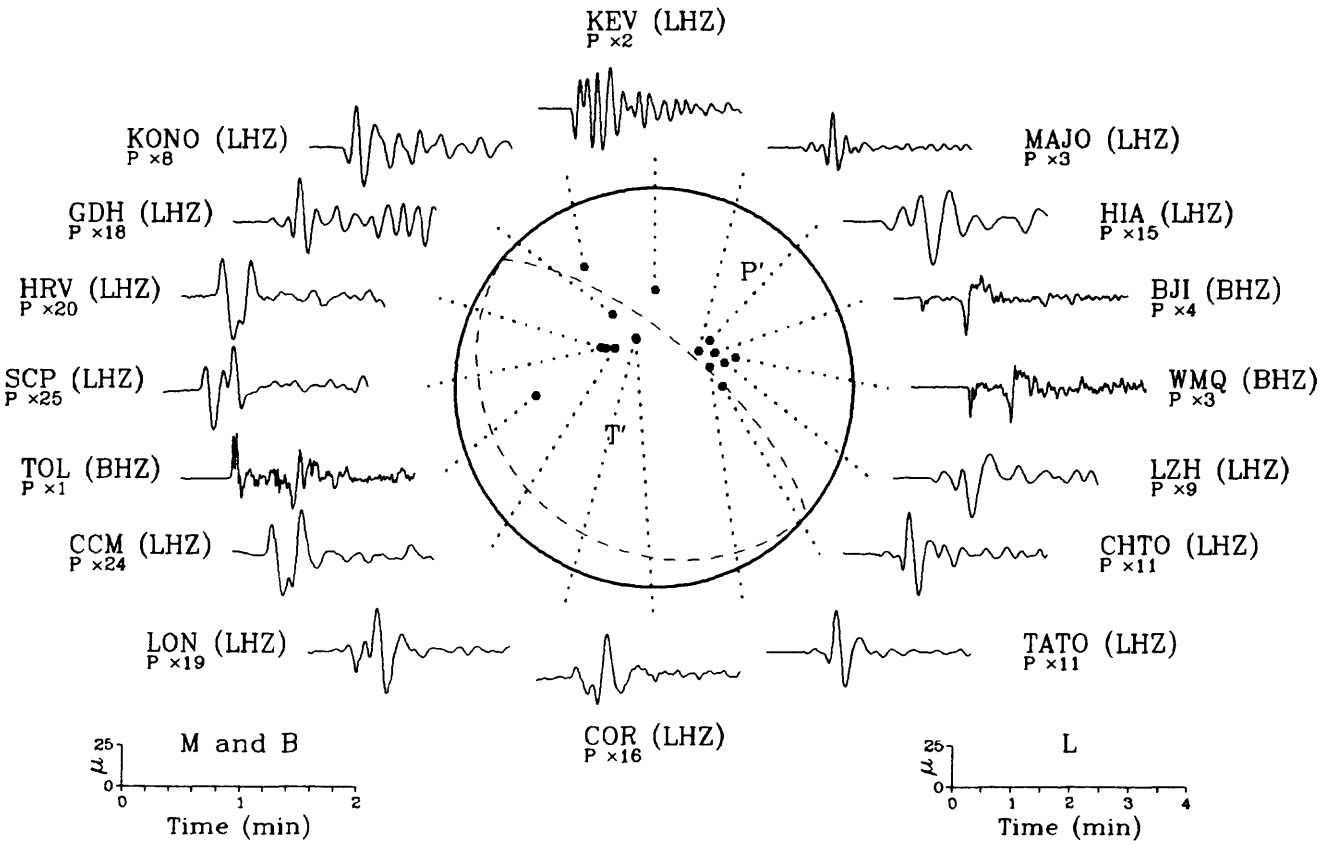
30 May 1990 02:34:05.88
Northern Peru



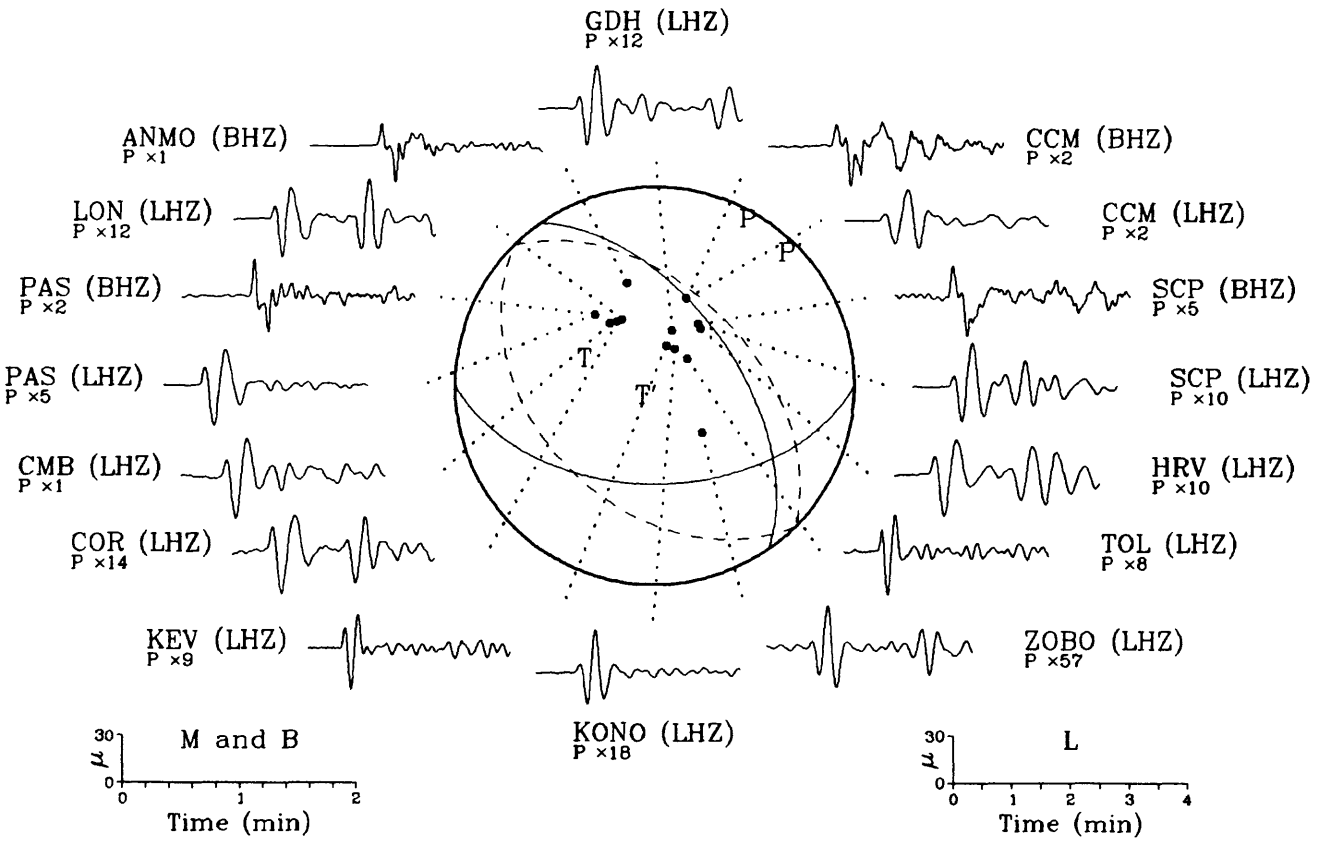
30 May 1990 10:40:06.14
Romania



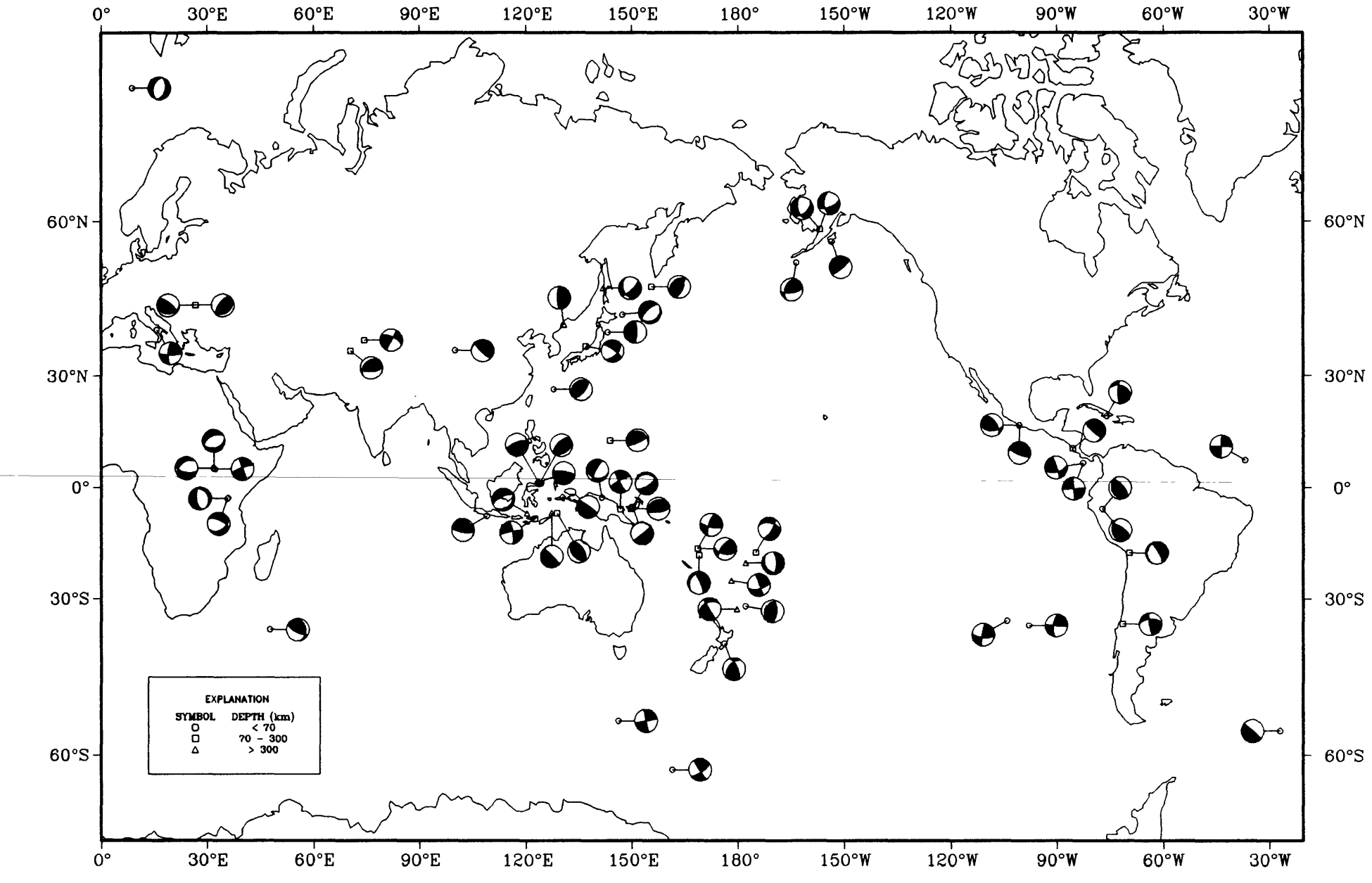
31 May 1990 00:17:47.85
Romania

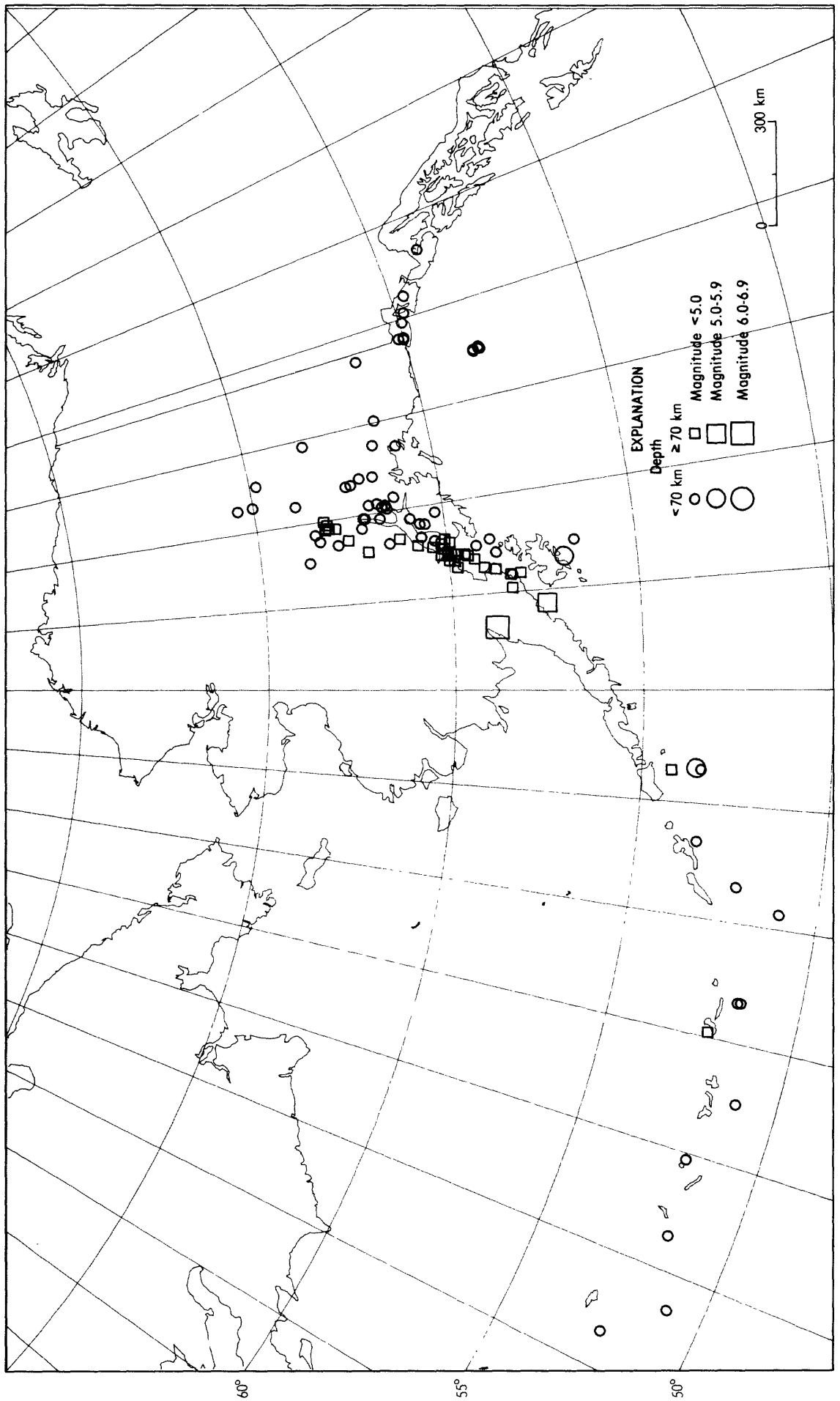


31 May 1990 07:35:27.01
Guerrero, Mexico

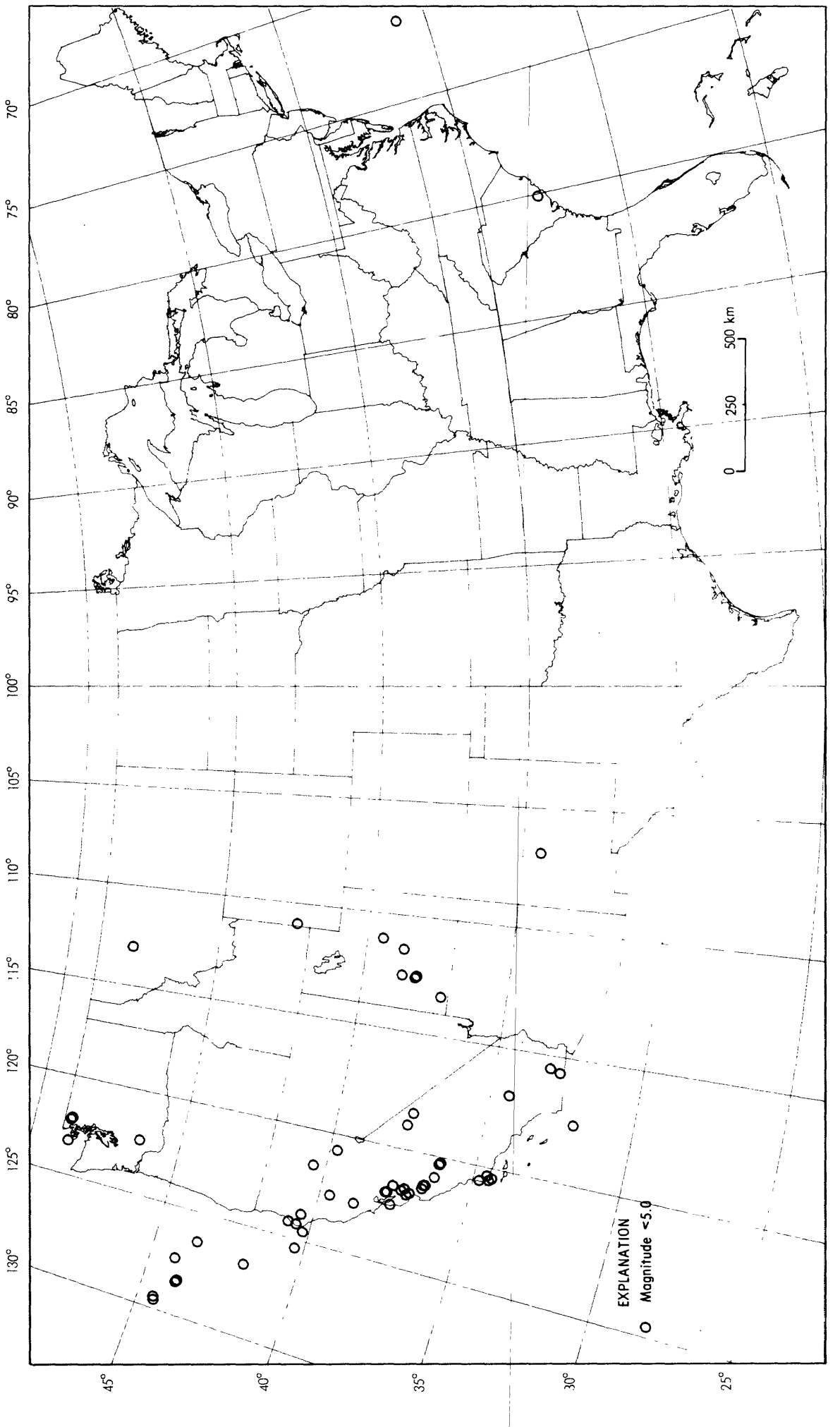


Earthquake Focal Mechanisms for May 1990

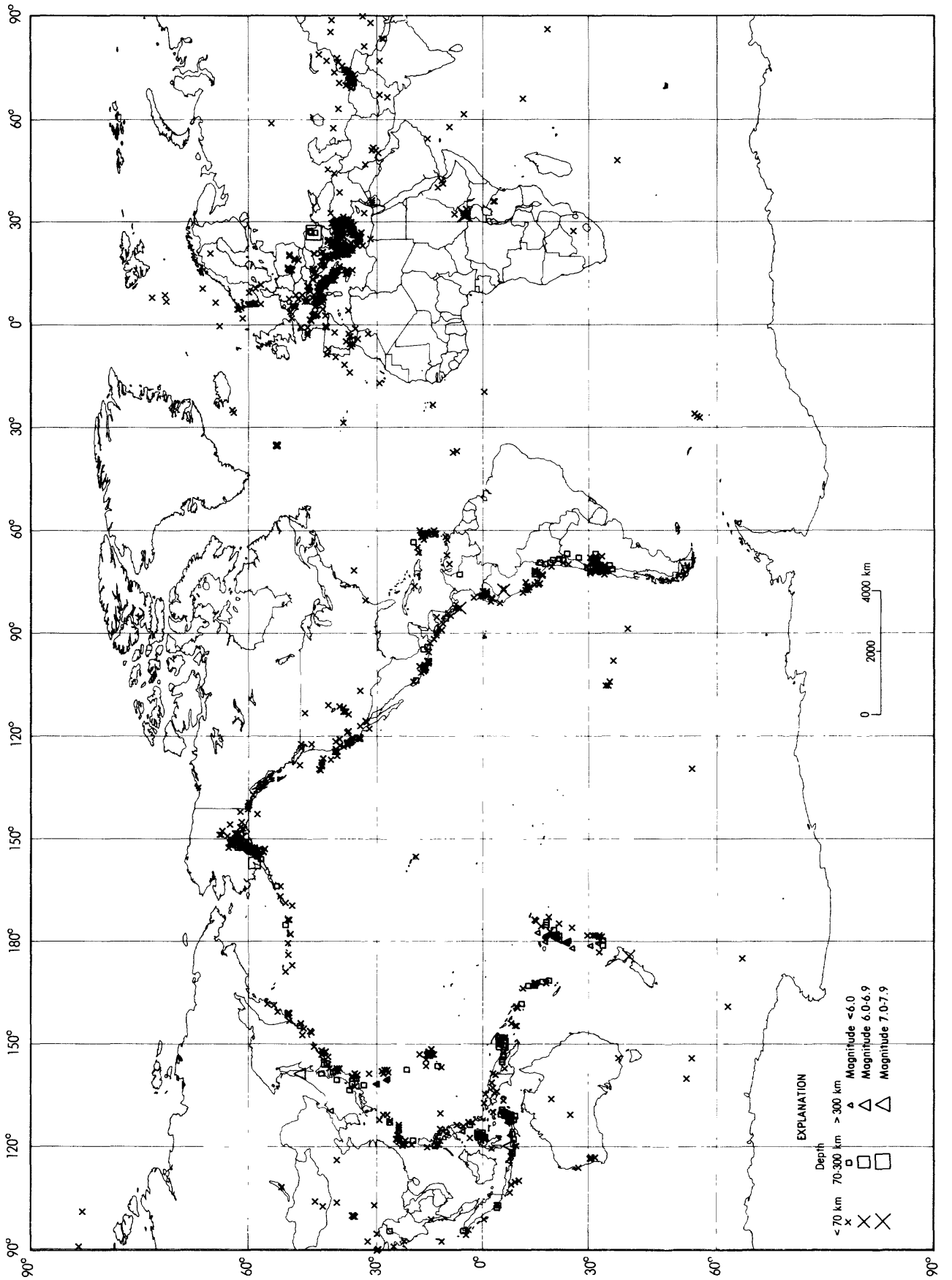




Earthquake epicenters in Alaska and adjacent regions for May, 1990 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for May, 1990 (C. Stover).



Earthquakes located in May, 1990 (C. Stover).

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PRELIMINARY DETERMINATION OF EPICENTERS

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U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

JUNE 1990

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	00	35.7*	2.107	N	97.308	E	33	N	4.8		1.3	10	NORTHERN SUMATERA
f	01	01	22	11.5	35.522	N	140.339	E	67	G	5.7		1.0	367	NEAR EAST COAST OF HONSHU, JAPAN. Ms 5.8 (BRK), 5.7 (PAS). Felt (IV JMA) at Chashi and and Chiba; (III JMA) in the Tokyo-Yokohama area, Utsunomya and Mita (II JMA) at Kofu and Fukushima; (I JMA) at Sendoi. Depth from broadband displacement seismograms.
	01	02	12	03.7*	45.485	N	26.890	E	10	G			1.2	8	ROMANIA
	01	03	25	00.0?	14.13	S	77.00	W	33	N			0.8	6	NEAR COAST OF PERU
	01	03	28	20.7?	10.09	N	84.35	W	33	N	4.3		1.4	6	COSTA RICA. Felt strongly at Santiago de Puriscal. Felt throughout Costa Rica.
	01	04	45	09.9	13.822	N	61.113	W	10	G			0.3	9	WINDWARD ISLANDS. ML 2.9 (FDF). MD 3.3 (TRN).
a	01	04	45	49.8	5.119	S	147.722	E	33	N	5.4	4.9	1.3	91	EAST PAPUA NEW GUINEA REGION. ML 5.7 (PMG).
	01	07	05	52.7*	37.497	N	20.712	E	10	G			0.5	5	IONIAN SEA. ML 3.8 (ATH).
	01	07	21	18.1&	64.573	N	152.223	W	5	G				19	CENTRAL ALASKA. <AGS-P>.
	01	07	55	14.4%	27.298	S	117.637	E	10	G			1.2	5	WESTERN AUSTRALIA
	01	08	03	39.7?	30.74	S	69.42	W	130	G			0.9	5	CHILE-ARGENTINA BORDER REGION
	01	08	32	13.3&	31.790	N	116.150	W	2					6	BAJA CALIFORNIA. <ECX>. ML 2.2 (ECX).
	01	09	35	52.0*	31.449	S	68.515	W	10	G			0.5	5	SAN JUAN PROVINCE, ARGENTINA
	01	09	46	50.1*	38.327	N	25.109	E	10	G			0.6	5	AEGEAN SEA. ML 3.1 (ATH).
	01	09	55	03.0%	44.450	N	7.378	E	10	G			0.7	5	NORTHERN ITALY. ML 1.9 (GEN).
	01	10	02	46.6	15.697	S	167.938	E	193	*	4.8		0.9	55	VANUATU ISLANDS
	01	10	10	15.2?	45.49	N	2.64	E	10	G			0.2	4	FRANCE. MD 1.5 (STR).
	01	10	28	59.4&	64.645	N	152.210	W	5	G				15	CENTRAL ALASKA. <AGS-P>.
	01	10	29	37.5?	4.24	N	128.28	E	160	G	4.9		1.3	12	NORTH OF HALMAHERA
	01	10	31	27.7?	44.04	N	6.42	E	10	G			0.7	4	FRANCE. ML 2.2 (LDG).
	01	10	59	24.6	6.004	S	76.931	W	10	G	4.1		1.1	13	NORTHERN PERU
a	01	11	00	23.1	15.985	N	147.391	E	35	D	5.1	4.4	0.9	96	MARIANA ISLANDS REGION
a	01	11	08	35.8	26.048	S	176.567	W	75	D	5.4		1.2	96	SOUTH OF FIJI ISLANDS
	01	11	14	09.2	15.913	N	147.295	E	37	D	5.3	4.6	0.8	92	MARIANA ISLANDS REGION
	01	11	34	34.8%	37.712	N	21.723	E	10	G			0.7	5	SOUTHERN GREECE
	01	12	19	20.3&	59.863	N	152.835	W	108		3.4			52	SOUTHERN ALASKA. <AGS-P>.
	01	13	22	39.8%	45.762	N	26.725	E	85	?			0.7	8	ROMANIA
	01	13	48	08.6*	14.999	S	176.340	W	13	D	5.0	4.9	1.1	68	FIJI ISLANDS REGION
	01	14	05	33.1	52.820	N	171.405	E	33	N	4.9	4.6	0.9	88	NEAR ISLANDS, ALEUTIAN ISLANDS
	01	14	20	39.2	4.685	S	152.271	E	100		4.9		0.9	22	NEW BRITAIN REGION
	01	14	55	30.3&	60.167	N	148.587	W	34					37	KENAI PENINSULA, ALASKA. <AGS-P>.
	01	16	16	21.9*	3.621	N	31.551	W	10	G	4.7		0.8	7	CENTRAL MID-ATLANTIC RIDGE
	01	16	17	32.4?	2.55	N	31.53	W	10	G	4.7		1.0	6	CENTRAL MID-ATLANTIC RIDGE
	01	16	43	31.0*	23.919	N	122.078	E	10	G	4.0		0.6	6	TAIWAN REGION
	01	16	49	35.7	29.455	S	178.867	W	33	N	5.3		0.8	26	KERMADEC ISLANDS
	01	16	51	03.3%	43.059	N	0.383	W	5	G			0.1	7	PYRENEES. Felt (II) at Assan, France.
	01	17	23	58.3*	45.831	N	26.730	E	102	?			0.8	12	ROMANIA
	01	18	05	57.2?	15.70	S	70.61	W	216	*	4.1		1.0	6	SOUTHERN PERU
a	01	18	14	44.6	5.485	S	154.117	E	145	D	5.5		1.0	144	SOLOMON ISLANDS
	01	18	14	58.6?	4.28	S	135.76	E	33	N	4.9		0.9	5	WEST IRIAN REGION
	01	18	20	23.6?	31.41	S	68.30	W	89	?			0.3	7	SAN JUAN PROVINCE, ARGENTINA
	01	19	05	56.6&	62.289	N	149.960	W	9					37	CENTRAL ALASKA. <AGS-P>.
	01	19	17	04.6	37.801	N	14.943	E	10	G			0.9	7	SICILY
	01	19	27	51.9	39.905	N	28.986	E	10	G			1.0	6	TURKEY
	01	19	56	36.1%	25.729	N	102.839	E	10	G			1.6	5	YUNNAN PROVINCE, CHINA. ML 3.8 (BJI).
	01	20	21	27.3	47.877	N	14.248	E	8				1.3	33	AUSTRIA. ML 3.7 (VKA), 3.4 (GRF), 3.0 (FUR), 3.3 (LDG). Felt (V) at Molln.
	01	20	39	57.3?	13.94	N	93.20	W	33	N	4.6		1.1	8	OFF COAST OF CHIAPAS, MEXICO
	01	21	46	18.7	45.851	N	26.639	E	105	*			0.8	16	ROMANIA
	01	21	52	06.3	37.693	N	15.202	E	10	G			0.7	7	SICILY
	01	22	22	06.1	51.355	N	176.890	W	33	N	4.7	4.5	1.3	42	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (V) on Adak.
	01	23	09	43.0	41.165	N	14.767	E	10	G			0.4	7	SOUTHERN ITALY
	01	23	26	20.4*	10.021	S	108.128	E	33	N	4.9		1.2	9	SOUTH OF JAVA

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	02	00	16	53.5?	31.48	S	68.66	W	90	?			0.1	6	SAN JUAN PROVINCE, ARGENTINA
a	02	00	32	35.0	32.434	N	92.802	E	13	D	5.6	4.6	0.9	155	TIBET
	02	02	35	17.0	44.181	N	6.985	E	10	G			0.5	7	FRANCE. ML 2.0 (LDG), 1.7 (GEN).
	02	02	36	09.2&	62.293	N	149.952	W	10					26	CENTRAL ALASKA. <AGS-P>.
	02	02	43	03.0&	36.840	N	121.582	W	2					14	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	02	03	25	34.0?	20.79	S	173.02	E	504	?	3.9		0.7	20	VANUATU ISLANDS REGION
	02	04	01	42.5&	40.543	N	125.327	W	5					5	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK).
	02	04	46	33.1?	16.10	N	61.05	W	28	?			0.0	5	LEEWARD ISLANDS. ML 1.7 (FDF).
	02	04	57	08.6?	31.65	S	68.26	W	10	G			0.8	6	SAN JUAN PROVINCE, ARGENTINA
a	02	04	57	57.0	1.081	N	122.776	E	34	D	5.1	4.9	1.1	84	MINAHASSA PENINSULA
	02	05	40	48.2?	10.06	S	108.18	E	33	N	4.8		0.6	8	SOUTH OF JAVA
	02	05	57	02.2	43.294	N	8.144	E	10	G			0.4	10	CORSICA. ML 2.4 (LDG). MD 2.1 (STR).
	02	05	59	43.6&	62.860	N	148.536	W	61					49	CENTRAL ALASKA. <AGS-P>.
	02	06	51	53.5&	60.477	N	151.694	W	61					33	KENAI PENINSULA, ALASKA. <AGS-P>.
	02	07	06	12.9	55.071	N	161.941	E	33	N	4.8	4.4	0.8	74	NEAR EAST COAST OF KAMCHATKA
	02	08	18	52.9%	44.567	N	6.127	E	10	G			0.2	6	FRANCE. ML 2.5 (LDG).
	02	08	26	15.0	29.380	S	69.096	W	5	G			0.9	16	CHILE-ARGENTINA BORDER REGION
	02	08	36	14.0*	27.488	S	71.591	W	10	G			1.0	11	NEAR COAST OF NORTHERN CHILE
	02	08	49	58.0&	64.566	N	152.426	W	25					14	CENTRAL ALASKA. <AGS-P>.
	02	09	16	58.6*	37.688	N	20.865	E	10	G			1.0	7	IONIAN SEA. ML 3.6 (ATH).
	02	10	17	55.1?	0.33	S	78.98	W	10	G			0.2	6	ECUADOR
	02	12	13	29.8*	24.122	N	121.862	E	10	G			0.4	6	TAIWAN
	02	12	39	02.4?	8.12	N	83.40	W	33	N	4.5		0.7	5	COSTA RICA
	02	13	02	04.9?	51.70	N	16.33	E	10	G			0.6	8	POLAND. ML 3.6 (VKA).
	02	13	58	18.1&	41.203	N	119.847	W	10					4	NEVADA. <BRK>. ML 3.1 (BRK).
	02	14	20	18.4?	31.22	S	68.32	W	76	?			0.5	7	SAN JUAN PROVINCE, ARGENTINA
	02	14	33	11.5	46.581	N	1.552	E	10	G			0.8	28	FRANCE. ML 3.5 (LDG), 3.5 (STR).
	02	14	43	16.8*	43.328	N	1.772	W	10	G			0.4	14	PYRENEES. ML 3.0 (LDG).
	02	16	17	46.6&	36.830	N	121.598	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	02	16	31	44.2&	31.380	N	115.260	W	10					5	BAJA CALIFORNIA. <ECX>. MD 2.5 (ECX).
	02	17	29	58.5	21.877	S	138.918	W	0	G	5.3		0.7	96	TUAMOTU ARCHIPELAGO REGION
	02	17	47	36.1?	31.63	S	68.76	W	85	?			0.1	6	SAN JUAN PROVINCE, ARGENTINA
	02	19	49	47.9%	44.632	N	7.271	E	10	G			0.3	6	NORTHERN ITALY. ML 2.1 (GEN).
	02	19	50	46.2%	30.434	S	69.307	W	10	G			0.9	6	CHILE-ARGENTINA BORDER REGION
	02	20	07	23.5*	5.360	N	31.241	E	10	G	4.4		0.9	7	SUOAN
	02	21	41	56.8%	45.802	N	26.780	E	108	?			1.2	7	ROMANIA
	02	22	43	38.7&	61.346	N	150.391	W	43					26	SOUTHERN ALASKA. <AGS-P>.
	03	00	31	52.4%	36.168	N	31.520	E	10	G			1.1	6	TURKEY
	03	00	55	16.2	5.976	S	77.164	W	38		4.8		1.0	60	NORTHERN PERU. Felt (V) at Rioja, (IV) ot Chachapoyos and (II) Contamano.
	03	01	20	52.1	37.639	N	20.733	E	19		3.6		0.9	22	IONIAN SEA ML 3.9 (ATH).
	03	02	05	48.8&	62.241	N	150.189	W	11					19	CENTRAL ALASKA. <AGS-P>.
	03	02	39	48.5	43.097	N	10.985	E	13				0.8	16	CENTRAL ITALY
	03	02	49	25.3?	9.80	N	81.56	W	10	G	4.3		0.4	8	PANAMA. MD 4.6 (UPA).
	03	03	50	34.7*	7.424	S	106.688	E	33	N	4.7		1.2	39	JAVA
	03	05	12	41.7	40.913	N	125.515	W	10	G	4.0		0.6	110	OFF COAST OF NORTHERN CALIFORNIA. ML 4.0 (BRK).
	03	05	54	06.5*	10.533	N	62.154	W	72	?	3.1		0.8	21	NEAR COAST OF VENEZUELA. MD 3.8 (TRN).
	03	07	57	28.0	6.041	S	77.095	W	38		4.7		0.9	54	NORTHERN PERU
	03	08	52	16.1?	39.36	N	10.99	W	10	G			0.7	9	NORTH ATLANTIC OCEAN. mbLg 3.3 (MDD).
	03	09	13	05.1%	43.857	N	11.940	E	10	G			0.7	7	CENTRAL ITALY
	03	10	28	11.4?	31.52	S	68.02	W	10	G			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	03	11	27	14.2%	43.827	N	11.962	E	10	G			1.2	6	CENTRAL ITALY
	03	11	39	11.9	44.636	N	17.577	E	10	G	4.6		1.3	165	YUGOSLAVIA. ML 4.7 (VKA), 4.5 (KBA), 4.4 (LDG). MD 4.5 (TTG), 4.2 (TRI). Felt (VII) in the Teslic area.
	03	12	17	05.7%	43.192	N	19.574	E	10	G			0.5	5	YUGOSLAVIA. ML 1.9 (TTG).
	03	12	49	27.7&	36.875	N	121.633	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	03	12	49	43.9*	2.193	N	32.336	E	10	G	4.7		1.4	13	UGANDA
	03	12	58	10.6%	41.153	N	28.494	E	10	G			0.9	6	TURKEY
	03	13	12	44.3*	44.650	N	17.606	E	10	G			1.3	6	YUGOSLAVIA. ML 2.1 (LJU).
	03	13	33	14.7*	7.670	N	126.483	E	33	N	3.8		1.3	6	MINDANAO, PHILIPPINE ISLANDS
	03	14	25	21.3?	28.40	S	67.42	W	186	?			1.4	13	LA RIOJA PROVINCE, ARGENTINA
	03	14	33	31.8	33.289	S	70.834	W	89	*			0.3	14	CHILE-ARGENTINA BORDER REGION
	03	14	56	49.6?	42.47	S	82.64	W	10	G	5.0	4.9	1.3	15	WEST CHILE RISE
	03	15	19	47.2	44.640	N	17.680	E	5	G			1.2	23	YUGOSLAVIA. ML 3.1 (KBA), 2.9 (TTG), 2.6 (LJU).
	03	15	52	52.0*	4.055	S	153.614	E	47	*	4.4		0.7	8	NEW IRELAND REGION
	03	16	23	39.1	5.442	N	32.121	E	10	G	5.1	4.6	1.4	58	SUDAN
	03	17	04	03.4*	36.824	N	28.388	E	33	N			1.4	7	DODECANESE ISLANDS
	03	19	14	59.0?	51.37	N	16.10	E	10	G			0.6	5	POLAND
	03	19	23	55.4	46.304	N	7.281	E	10				1.3	42	SWITZERLAND. ML 3.0 (LDG), 2.9 (VIE). MD 2.6 (STR).
	03	19	27	26.7	46.215	N	7.346	E	11				1.0	20	SWITZERLAND. ML 2.8 (LDG).
	03	19	50	44.1*	35.848	N	31.064	E	33	N			1.0	6	CYPRUS
	03	19	54	27.6	46.443	N	13.135	E	10	G			1.4	7	AUSTRIA. ML 2.5 (KBA). MD 3.0 (LJU), 2.1 (TRI).
	03	20	41	52.2?	4.62	N	31.86	E	10	G	4.6		0.8	5	SUDAN. mbLg 4.9 (BUL).
	03	21	16	45 1*	40.274	N	21.945	E	10	G			0.5	5	GREECE
	03	22	14	38.9&	63.151	N	150.221	W	100		3.1			56	CENTRAL ALASKA. <AGS-P>.
	03	22	51	05.7?	37.51	N	20.56	E	10	G			0.7	4	IONIAN SEA. ML 3.5 (ATH).
	03	23	13	45.5	42.941	N	18.805	E	10	G			1.1	6	YUGOSLAVIA. ML 1.9 (TTG).
	04	00	24	32.3*	22.217	S	179.466	W	590		5.0		0.9	44	SOUTH OF FIJI ISLANDS
	04	01	08	30.0	40.152	N	29.257	E	10	G			0.7	13	TURKEY
	04	02	16	39.7&	36.488	N	120.177	W	14					24	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK), 3 4 (PAS). Felt at Fresno.
	04	03	49	22.1	44.565	N	10.316	E	20				1.1	68	NORTHERN ITALY. ML 3.7 (KBA), 3.5 (LDG), 2.9 (LJU).
	04	04	45	44.1*	24.140	S	179.980	W	544	?	4.8		1.0	31	SOUTH OF FIJI ISLANDS
	04	04	54	12.2?	15.53	S	72.93	W	10	G			1.0	4	SOUTHERN PERU
	04	05	14	51.5	35.898	N	27.449	E	10	G			0.8	11	DODECANESE ISLANDS
	04	05	29	51.0*	4.608	S	138.676	E	33	N	4.8		1.1	13	WEST IRIAN
	04	05	41	25.3	44 622	N	7.257	E	10	G			0.3	22	NORTHERN ITALY. ML 2.6 (GEN), 2.6 (LDG).
	04	07	05	04.8%	39 224	N	27.766	E	10	G			0.5	6	TURKEY
	04	08	30	33.9	44.610	N	7.231	E	10	G			1.0	56	NORTHERN ITALY. ML 3.3 (LDG), 3.2 (GEN), 2.6 (VIE). MD 2.7 (STR).
	04	08	30	36.5&	60.263	N	153.491	W	159					22	SOUTHERN ALASKA. <AGS-P>.
a	04	09	26	36.5	14.410	S	167.800	E	50	*	5.1	4.7	1.1	90	VANUATU ISLANDS. Felt on Mere Lava.
	04	09	44	37.9	14.351	S	167.742	E	27	D	5.1	4.8	1.0	88	VANUATU ISLANDS. Some damage and landslides on Mere

														Lava.
	04	09	47	12.1?	44.43	N	7.25	E	10	G		0.1	4	NORTHERN ITALY. ML 1.6 (GEN).
	04	10	16	29.1&	36.887	N	121.633	W	3				14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	04	10	25	18.5?	3.81	S	80.46	W	33	N		1.2	9	PERU-ECUADOR BORDER REGION
a	04	10	33	37.8*	11.063	S	162.867	E	69	*	5.1	0.8	97	SOLOMON ISLANDS
	04	11	26	47.0	41.098	N	83.638	W	5	G		0.8	8	OHIO. mbLg 2.5 (NEIS). Felt (IV) at Findlay and (III) at Bloomdale and Vanlue.
	04	11	49	38.1?	2.15	N	127.67	E	103	?	4.3	1.1	7	MOLUCCA PASSAGE
	04	12	18	24.1*	11.110	S	163.217	E	33	N	4.3	1.0	11	SOLOMON ISLANDS
	04	14	56	46.3%	45.838	N	26.756	E	97	?		0.5	7	ROMANIA
	04	14	59	12.5&	60.473	N	143.190	W	9				21	SOUTHERN ALASKA. <AGS-P>. ML 3.1 (PMR).
	04	15	22	22.7	31.796	S	68.320	W	10	G		0.9	8	SAN JUAN PROVINCE, ARGENTINA. Felt (II) in the San Juan area.
	04	16	35	04.3*	50.107	N	128.942	W	10	G	4.4	0.9	19	VANCOUVER ISLAND REGION
	04	17	03	32.4*	31.778	S	69.886	W	133	?		1.0	13	SAN JUAN PROVINCE, ARGENTINA
	04	19	08	33.6?	35.85	N	9.59	E	10	G		0.9	9	TUNISIA
	04	20	01	43.6?	51.35	N	174.91	W	33	N	4.2	0.8	4	ANDREANOF ISLANDS, ALEUTIAN IS.
	04	20	30	17.5?	37.45	N	19.33	E	10	G		1.2	6	IONIAN SEA. ML 3.8 (ATH).
	04	21	16	41.0*	14.450	S	167.862	E	33	N	4.5	1.1	31	VANUATU ISLANDS
	04	21	40	24.3	23.666	N	94.502	E	84	*	4.4	1.2	32	BURMA-INDIA BORDER REGION
	04	23	00	09.8	6.257	S	77.239	W	10	G	4.7	1.4	9	NORTHERN PERU. Felt (V) in the Riaja-Moyabamba area.
	04	23	18	04.5%	44.541	N	6.917	E	10	G		0.5	5	FRANCE. ML 1.8 (GEN).
	04	23	33	23.6%	0.383	S	77.886	W	10	G		0.3	8	ECUADOR. Felt (II) at Quita.
	05	00	00	20.0	37.642	N	20.629	E	10	G	3.5	1.0	10	IONIAN SEA. ML 3.5 (ATH).
	05	01	19	17.7&	41.185	N	121.415	W	12				5	NORTHERN CALIFORNIA. <BRK>. ML 2.9 (BRK).
	05	02	04	57.2&	64.016	N	148.156	W	106				24	CENTRAL ALASKA. <AGS-P>.
	05	02	54	04.8?	51.55	N	179.59	E	33	N	4.0	1.6	6	RAT ISLANDS, ALEUTIAN ISLANDS
	05	04	09	24.9%	31.030	S	68.646	W	33	N		1.4	5	SAN JUAN PROVINCE, ARGENTINA
	05	04	18	55.2*	40.647	N	19.760	E	10	G		0.7	6	ALBANIA. ML 3.1 (SKO), 2.7 (TTG).
	05	04	50	52.1?	17.76	S	178.59	W	571	*	4.6	1.0	14	FIJI ISLANDS REGION
	05	05	23	42.1&	62.926	N	150.799	W	113				28	CENTRAL ALASKA. <AGS-P>.
	05	06	05	41.9?	31.27	S	68.40	W	96	?		0.2	6	SAN JUAN PROVINCE, ARGENTINA
	05	06	48	42.1?	53.20	N	160.60	E	33	N	4.5	1.3	7	NEAR EAST COAST OF KAMCHATKA
	05	07	51	42.5	37.778	N	20.848	E	10	G	3.7	1.4	12	IONIAN SEA. ML 3.7 (ATH).
	05	08	04	41.5%	39.655	N	29.443	E	10	G		0.5	5	TURKEY
	05	09	03	27.5	42.571	N	111.381	W	5	G		1.0	15	EASTERN IDAHO. ML 3.7 (SLC). Felt (IV) at Georgetown and (III) at Genevo.
	05	09	16	48.1&	38.805	N	122.797	W	4				15	NORTHERN CALIFORNIA. <BRK>. ML 2.8 (BRK).
	05	09	38	33.0	39.893	N	20.495	E	10	G		0.9	6	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH).
	05	10	15	01.2*	16.689	N	61.594	W	10	G		1.0	6	LEEWARD ISLANDS. ML 2.2 (FDF).
	05	11	32	47.7*	14.440	S	167.770	E	54	*	4.7	1.1	29	VANUATU ISLANDS
	05	11	37	30.6%	39.270	N	29.462	E	10	G		0.9	5	TURKEY
	05	12	19	28.4	42.642	N	111.370	W	5	G		0.6	7	EASTERN IDAHO. ML 3.3 (SLC).
	05	13	06	52.7*	32.027	S	71.814	W	31			1.4	16	NEAR COAST OF CENTRAL CHILE
	05	13	10	21.2&	41.175	N	119.880	W	27				5	NEVADA. <BRK>. ML 3.5 (BRK).
	05	13	17	48.2?	30.61	S	72.34	W	33	N		0.6	8	OFF COAST OF CENTRAL CHILE
	05	13	32	52.7	33.188	S	70.982	W	10	G		1.1	8	CHILE-ARGENTINA BORDER REGION
	05	13	41	26.7&	60.810	N	151.570	W	82				24	KENAI PENINSULA, ALASKA. <AGS-P>.
a	05	13	42	51.2	35.412	N	139.045	E	122	D	5.3	0.9	256	NEAR S. COAST OF HONSHU, JAPAN. Felt (IV JMA) at Tokyo and Utsunomiya; (III JMA) at Chiba, Yokahama, Kofu and an Oshima, (II JMA) at Yokosuka.
	05	19	16	48.4*	45.677	N	26.696	E	70	?		1.4	6	ROMANIA
	05	20	15	11.9?	15.76	S	73.36	W	66	?	4.1	1.4	9	SOUTHERN PERU
	05	20	29	26.2?	31.42	S	69.14	W	33	N		1.0	5	SAN JUAN PROVINCE, ARGENTINA
	05	20	29	53.3?	43.88	N	7.19	E	10	G		0.1	5	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
	05	20	31	16.6?	43.78	N	7.17	E	10	G		0.5	4	NEAR SOUTH COAST OF FRANCE. MD 1.0 (STR).
	05	20	43	12.2?	14.64	N	93.78	W	66	?	4.0	1.3	6	NEAR COAST OF CHIAPAS, MEXICO
	05	21	04	25.3%	27.837	N	17.995	W	33	N		1.3	5	CANARY ISLANDS REGION. mbLg 3.6 (MDD). Felt (III) on Hierro.
	05	21	49	51.1&	59.652	N	151.785	W	63				36	KENAI PENINSULA, ALASKA. <AGS-P>.
	05	21	50	48.4*	31.215	N	139.798	E	146	?	4.0	0.9	15	SOUTH OF HONSHU, JAPAN
	05	22	01	36.4?	11.98	S	116.87	E	33	N		1.4	5	SOUTH OF SUMBAWA ISLAND
	05	23	25	57.9*	4.651	S	103.222	E	69	*	4.6	0.8	21	SOUTHERN SUMATERA
	06	01	11	59.8&	59.136	N	152.613	W	75				17	SOUTHERN ALASKA. <AGS-P>.
	06	01	14	52.6	44.508	N	7.284	E	12			0.4	23	NORTHERN ITALY. ML 2.6 (GEN), 2.5 (LDG).
	06	01	28	30.2?	6.18	N	33.48	E	10	G	4.1	1.0	6	SUDAN. mbLg 4.7 (BUL).
a	06	02	01	08.2	6.131	S	77.213	W	25	D	5.1 5.0	0.8	131	NORTHERN PERU
	06	03	25	28.0%	61.893	N	5.713	E	10	G		0.3	5	SOUTHERN NORWAY. MD 1.4 (BER).
	06	04	10	30.7*	27.051	S	71.661	W	97	?	4.6	0.9	19	NEAR COAST OF NORTHERN CHILE
	06	04	21	57.6	45.559	N	3.652	E	10	G		0.8	15	FRANCE. ML 2.6 (LDG). MD 2.1 (STR).
	06	04	54	42.5	33.279	S	70.557	W	89	*		0.4	16	CHILE-ARGENTINA BORDER REGION
	06	06	06	22.3*	33.500	S	72.392	W	10	G		0.7	16	OFF COAST OF CENTRAL CHILE
	06	06	33	41.3	39.907	N	29.037	E	10	G		1.3	9	TURKEY
	06	06	41	55.2?	30.44	N	138.48	E	425	?	4.2	0.9	12	SOUTH OF HONSHU, JAPAN
	06	06	57	58.7	39.911	N	28.950	E	10	G		1.2	8	TURKEY
	06	10	45	42.9?	42.76	N	18.16	E	5	G		1.4	6	YUGOSLAVIA. ML 2.6 (TTG).
	06	11	32	48.4%	39.241	N	27.735	E	10	G		0.2	5	TURKEY
	06	11	38	21.1	37.854	N	14.742	E	10	G		1.2	6	SICILY
	06	12	01	25.3?	31.24	S	68.90	W	110	G		0.8	5	SAN JUAN PROVINCE, ARGENTINA
	06	12	16	14.9*	42.467	N	24.301	E	10	G		0.9	6	BULGARIA
	06	12	55	14.9%	23.237	N	121.845	E	10	G		0.4	6	TAIWAN
	06	13	57	17.8	17.938	S	69.519	W	133	D	4.4	1.3	32	PERU-BOLIVIA BORDER REGION
	06	14	01	32.1%	40.301	N	27.852	E	10	G		0.9	5	TURKEY
	06	14	41	26.6%	60.563	N	5.004	E	10	G		0.6	7	SOUTHERN NORWAY. MD 1.4 (BER).
	06	14	43	50.2*	33.980	S	71.270	W	33	N		1.0	16	NEAR COAST OF CENTRAL CHILE
	06	16	08	36.0	42.887	N	20.773	E	10	G		1.2	17	YUGOSLAVIA. ML 2.6 (TTG).
	06	17	03	55.1?	32.32	S	71.80	W	10	G		0.5	7	NEAR COAST OF CENTRAL CHILE
	06	18	19	41.4?	31.48	S	68 59	W	110	G		0.5	5	SAN JUAN PROVINCE, ARGENTINA
	06	18	34	29.4?	53.67	N	163.85	W	33	N	4.5	1.1	5	UNIMAK ISLAND REGION
	06	19	01	10.0?	39.64	N	26.72	E	10	G		1.3	5	TURKEY
	06	19	02	32.9%	45.319	N	26.667	E	10	G		0.8	7	ROMANIA
	06	22	49	05.4%	42.240	N	13.616	E	10	G		0.6	6	CENTRAL ITALY
	06	23	30	17.5	37.703	N	20.785	E	10	G	4.1	1.4	34	IONIAN SEA. ML 3.8 (ATH).

	06	23	47	42.5	9.503	S	119.746	E	34	D	5.0	1.3	36	SUMBA ISLAND REGION
	07	01	38	02.6?	37.42	N	3.69	W	10	G		0.5	4	SPAIN. mbLg 2.7 (MDD).
	07	02	19	56.7?	31.37	S	68.33	W	110	G		0.3	5	SAN JUAN PROVINCE, ARGENTINA
	07	02	44	13.5?	31.15	S	179.82	E	399	?		1.0	19	KERMADEC ISLANDS REGION
	07	04	07	54.5?	31.31	S	68.45	W	110	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	07	05	06	16.4&	62.884	N	150.615	W	89				21	CENTRAL ALASKA. <AGS-P>.
	07	05	08	29.2?	27.83	N	18.04	W	33	N		1.2	5	CANARY ISLANDS REGION. mbLg 3.1 (MDD).
	07	06	01	10.0?	8.26	N	103.00	W	43	D	4.3 5.0	1.3	23	OFF COAST OF MEXICO
	07	06	47	12.6?	42.78	N	12.80	E	10	G		0.2	4	CENTRAL ITALY
	07	06	57	59.0?	30.96	S	67.79	W	33	N		1.6	5	SAN JUAN PROVINCE, ARGENTINA
a	07	07	14	42.4*	20.117	S	66.555	E	10	G	5.0 4.8	1.4	51	MASCARENE ISLANDS REGION
	07	08	13	11.6*	36.836	N	28.561	E	10	G		1.3	6	DODECANESE ISLANDS
	07	08	29	04.4*	39.778	N	114.281	E	13	G	3.8	1.3	8	NORTHEASTERN CHINA. ML 3.7 (BJI).
a	07	09	25	19.1	3.563	S	144.432	E	29	D	5.9 6.5	1.2	140	NEAR N COAST OF PAPUA NEW GUINEA. Ms 6.9 (BRK), 6.1 (PAS), Mo=1.1*10**19 Nm (PPT).
	07	09	59	06.7	36.853	N	28.597	E	10	G		1.1	19	DODECANESE ISLANDS
	07	10	11	48.1?	37.35	N	3.84	W	10	G		0.6	4	SPAIN. mbLg 2.7 (MDD).
	07	10	27	55.8*	51.368	N	176.798	W	33	N	4.8	1.3	10	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	07	10	34	15.6?	38.13	N	23.63	E	33	N		0.4	4	GREECE. ML 2.5 (ATH).
	07	11	18	50.5	60.177	N	152.324	W	104	D	4.7	0.8	130	SOUTHERN ALASKA. Felt (IV) at Kenai, Ninilchik and Willow. Felt (III) at Anchorage, Chugiak, Eagle River, Girdwood, Homer, Palmer, Peters Creek, Sterling and Talkeetna.
	07	12	18	26.3&	60.904	N	147.584	W	21				23	SOUTHERN ALASKA. <AGS-P>.
	07	12	56	39.7&	31.080	N	116.670	W	10				6	BAJA CALIFORNIA. <ECX>. MD 2.9 (ECX).
	07	13	23	55.9?	33.81	S	72.57	W	33	N	3.8	1.0	16	OFF COAST OF CENTRAL CHILE
a	07	13	24	39.3*	16.125	S	176.885	W	33	N	5.3 5.2	1.2	83	FIJI ISLANDS REGION
	07	13	53	45.0*	44.143	N	148.275	E	33	N	4.8 4.2	1.4	22	KURIL ISLANDS
	07	14	48	14.0	36.832	N	21.304	E	58		4.3	1.0	37	SOUTHERN GREECE
	07	15	30	13.1	10.990	N	62.992	W	18	D	4.8	1.1	60	NEAR COAST OF VENEZUELA. ML 5.1 (FDF). MD 4 4 (TRN).
	07	16	06	28.3*	38.771	N	21.003	E	10	G		1.3	5	GREECE. MD 3.0 (ATH).
	07	16	19	56.9?	53.35	N	163.59	W	33	N	4.5	1.1	8	UNIMAK ISLAND REGION
	07	16	43	08.4&	36.923	N	121.688	W	11				11	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	07	17	07	18.8?	31.32	S	68.60	W	33	?		0.1	5	SAN JUAN PROVINCE, ARGENTINA
	07	18	00	45.2?	26.14	S	28.17	E	5	G		0.9	4	REPUBLIC OF SOUTH AFRICA. mbLg 3.4 (BUL).
	07	18	26	39.2*	39.699	N	25.863	E	10	G		1.0	5	AEGEAN SEA
	07	18	33	12.8?	10.90	N	61.80	W	33	N		0.4	5	TRINIDAD. MD 3.3 (TRN).
	07	18	51	34.1	44.171	N	6.292	E	11			0.8	24	FRANCE. ML 2.7 (LDG). MD 2.2 (STR).
	07	19	31	30.8	32.358	N	141.487	E	44	D	5.0	1.0	52	SOUTH OF HONSHU, JAPAN
	07	19	48	49.3?	51.33	N	16.38	E	10	G		0.7	5	POLAND
	07	20	37	51.3?	44.12	N	6.38	E	10	G		0.7	4	FRANCE. ML 2.2 (LDG).
	07	20	46	29.4&	63.254	N	150.549	W	133				31	CENTRAL ALASKA. <AGS-P>.
	07	21	03	49.3&	31.730	N	115.900	W	3				4	BAJA CALIFORNIA. <ECX>. ML 1.5 (ECX).
	07	22	18	24.3*	17.609	N	40.466	E	10	G	4.5	1.0	5	RED SEA
	07	22	24	58.5	40.434	N	22.177	E	10	G		1.3	9	GREECE. MD 3.4 (ATH).
	07	23	06	13.7*	5.094	S	102.450	E	80	?	4.3	1.0	14	SOUTHERN SUMATERA
	07	23	22	02.2&	60.528	N	153.017	W	139				32	SOUTHERN ALASKA. <AGS-P>.
	07	23	28	30.4	40.736	N	29.180	E	10	G		0.3	6	TURKEY
a	07	23	40	25.3	1.211	S	24.419	W	10	G	5.0 5.1	1.1	103	CENTRAL MID-ATLANTIC RIDGE
	07	23	43	41.9*	36.453	N	27.321	E	10	G		0.4	5	DODECANESE ISLANDS
	08	00	13	25.5*	36.474	N	27.366	E	33	N		0.7	5	DODECANESE ISLANDS
	08	00	24	19.7*	9.060	S	124.026	E	33	N	4.5	1.3	16	TIMOR
	08	00	31	50.0	9.855	N	84.327	W	10	G	4.7 4.6	1.3	114	COSTA RICA. Thirteen schools and a church damaged in the Santiago de Puriscal area. Felt strongly in much of Costa Rica.
	08	01	04	40.2?	31.25	S	68.30	W	100	?		0.4	6	SAN JUAN PROVINCE, ARGENTINA
	08	01	47	56.0	40.497	N	30.224	E	10	G		0.9	22	TURKEY. Felt in the Kocaeli area.
	08	02	22	56.7	23.813	N	123.630	E	33	N	4.5	1.4	31	SOUTHWESTERN RYUKYU ISLANDS
	08	03	17	02.0*	17.529	N	40.972	E	10	G	4.5 4.4	1.4	12	RED SEA
	08	03	42	01.9	27.962	S	66.578	W	179	D	4.6	1.4	67	CATAMARCA PROVINCE, ARGENTINA
	08	04	28	09.9%	24.960	S	25.936	E	10	G		0.9	7	BOTSWANA REPUBLIC. ML 3.3 (PRE).
	08	04	40	00.4%	44.561	N	7.266	E	10	G		0.9	6	NORTHERN ITALY. ML 2.2 (GEN).
	08	06	53	29.2	44.929	N	9.012	E	10	G		1.0	11	NORTHERN ITALY. ML 2.3 (GEN).
	08	07	11	03.8?	50.60	N	16.28	E	10	G		1.0	5	POLAND. ML 2.7 (KRA).
	08	07	21	42.7*	45.933	N	26.820	E	114	?		0.7	13	ROMANIA
	08	07	50	29.4?	7.50	S	128.25	E	163	?	4.4	1.1	11	BANDA SEA
	08	08	16	51.2	33.184	S	73.273	W	10	G	4.6	0.9	20	OFF COAST OF CENTRAL CHILE
	08	08	24	21.0*	51.253	N	15.655	E	5	G		1.3	10	POLAND. ML 3.6 (VKA), 2.8 (KRA).
	08	08	42	28.8*	35.077	N	33.850	E	33	N		0.9	5	CYPRUS. ML 3.4 (CSS).
	08	09	15	48.9?	6.11	S	148.51	E	88	?	4.7	1.1	9	NEW BRITAIN REGION
	08	09	59	22.2	55.354	N	156.355	W	33	N	4.8	1.1	100	SOUTH OF ALASKA. ML 4.4 (PMR).
	08	10	35	13.5	39.384	N	16.125	E	11			1.1	11	SOUTHERN ITALY
	08	11	01	10.9*	16.847	N	98.522	W	60	*	4.4	1.0	17	NEAR COAST OF GUERRERO, MEXICO. Felt at Oaxaca.
	08	11	26	15.6&	65.897	N	150.512	W	25	G			8	ALASKA. <AGS-P>.
	08	11	35	49.8	15.031	N	60.377	W	33	N		0.3	12	LEEWARD ISLANDS. ML 3.2 (FDF). MD 3.5 (TRN).
	08	12	54	47.7%	37.420	N	3.802	W	10	G		0.8	6	SPAIN. mbLg 2.8 (MDD).
	08	13	03	34.0&	65.934	N	150.533	W	20				13	ALASKA. <AGS-P>.
	08	13	16	58.7?	42.80	N	128.75	W	10	G		0.4	26	OFF COAST OF OREGON. CL 2.9 (SEA).
	08	13	45	46.5*	17.888	S	71.737	W	33	N		0.6	6	NEAR COAST OF PERU
a	08	13	49	22.9	17.573	S	71.824	W	27	D	5.6 5.4	1.1	221	NEAR COAST OF PERU. Felt (IV) at Arequipa.
	08	13	58	44.0*	8.091	N	71.175	W	5	G	4.4	1.1	11	VENEZUELA. Felt at Merida and Barinas.
	08	14	51	48.7*	32.219	S	70.130	W	32	*		1.5	14	CHILE-ARGENTINA BORDER REGION
a	08	15	05	09.5	18.874	S	178.789	W	499	D	5.6	1.1	324	FIJI ISLANDS REGION. mb 6.2 (PAS), 5.5 (BRK).
	08	16	23	02.1	39.913	N	28.924	E	10	G		1.0	13	TURKEY
	08	16	27	24.1	5.426	S	152.304	E	49		4.9	0.7	23	NEW BRITAIN REGION
	08	16	43	19.3	52.347	N	169.457	W	33	N	5.1	1.1	140	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.3 (PMR).
	08	17	10	46.6*	31.612	S	71.546	W	33	N		0.5	12	NEAR COAST OF CENTRAL CHILE
	08	19	04	22.2?	23.01	N	121.81	E	10	G		0.4	5	TAIWAN
	08	20	35	36.6*	5.540	S	152.474	E	33	N	4.7	0.5	8	NEW BRITAIN REGION
	08	21	04	43.6*	50.455	N	18.863	E	10	G		0.6	7	POLAND. ML 2.8 (KRA).
	08	21	16	59.2	44.646	N	7.008	E	10	G		0.3	12	NORTHERN ITALY. ML 2.2 (GEN), 2.0 (LDG).
	08	21	24	25.3?	31.71	S	68.86	W	110	G		0.3	5	SAN JUAN PROVINCE, ARGENTINA
	08	21	30	45.1	6.128	S	77.121	W	44		5.0	1.1	36	NORTHERN PERU

a	08	21	37	38.4	9.103	S	120.264	E	33	N	5.6	4.7	1.1	164	SUMBA ISLAND REGION
	08	21	57	54.1	32.113	S	68.420	W	141	?			1.0	15	MENDOZA PROVINCE, ARGENTINA
	08	22	53	00.5?	47.08	N	2.42	W	10	G			0.8	5	FRANCE. ML 2.8 (LDG).
	08	23	02	28.0*	45.154	N	27.192	E	10	G			0.1	5	ROMANIA
	09	00	04	18.0&	38.822	N	122.773	W	4		4.1			22	NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK>. Mo=1.1*10**15 Nm (BRK). Felt (V) at Angwin; (IV) at Cobb and Santa Rasa; (III) at Finley and Guerneville.
	09	00	20	10.4?	16.86	N	61.03	W	10	G			0.5	5	LEEWARD ISLANDS. ML 2.6 (FDF).
	09	00	34	50.0	9.934	N	84.155	W	25	*	4.7	4.6	1.2	57	COSTA RICA. MD 5.3 (UPA). Felt strongly at Santiago de Puriscal. Felt in much of Costa Rica.
	09	00	53	36.6%	36.612	N	2.963	W	10	G			1.2	5	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
a	09	01	14	34.5	6.062	S	77.136	W	26	D	5.5	4.9	1.0	171	NORTHERN PERU One persan killed and at least 14 hauses destrayed (VI) in the Riajo-Mayobamba area. Felt (II) at Iquitas.
	09	02	02	51.9	44.141	N	8.747	E	10	G			0.7	18	NORTHERN ITALY. ML 2.7 (LDG), 2.4 (GEN). Felt (I) at Genoa.
	09	02	49	54.8%	37.412	N	3.765	W	10	G			0 6	5	SPAIN. mbLg 2.8 (MDD).
	09	03	53	11.2	43.569	N	127.201	W	10	G	3.8		0.7	112	OFF COAST OF OREGON
	09	03	56	52.1?	12.57	N	95.49	E	33	N	4.2		1.5	5	ANDAMAN ISLANDS REGION
	09	04	09	59.6?	19.97	S	178.80	W	599	?	4.2		0.8	12	FIJI ISLANDS REGION
	09	05	37	42.3*	33.543	S	70.785	W	80	?			0.3	10	CHILE-ARGENTINA BORDER REGION
	09	06	07	08.3	43.186	N	19.280	E	10	G			0.6	8	YUGOSLAVIA. ML 2.5 (TTG).
	09	06	24	14.1	46.361	N	11.257	E	10	G			1.4	14	NORTHERN ITALY. ML 2.5 (VIE).
	09	06	54	23.1	44.163	N	8.569	E	10	G			1.2	27	NORTHERN ITALY. ML 2.9 (GEN). MD 2.4 (STR).
	09	07	45	46.1&	61.604	N	150.930	W	63					27	SOUTHERN ALASKA. <AGS-P>.
	09	07	59	45.7	45.106	N	27.094	E	19	*			0.9	10	ROMANIA
	09	08	06	03.3*	5.445	N	32.022	E	10	G	4.7	3.8	1.3	36	SUDAN
	09	08	27	01.2&	58.977	N	154.010	W	112		3.3			36	ALASKA PENINSULA. <AGS-P>.
	09	08	41	04.3*	1.854	N	98.956	E	21	D	4.5		1.1	11	NORTHERN SUMATERA
	09	08	47	29.7	45.768	N	151.613	E	47	D	4.8		0.6	48	KURIL ISLANDS
	09	09	54	25.3&	59.982	N	152.154	W	69					24	SOUTHERN ALASKA. <AGS-P>.
	09	10	16	45.8%	45.486	N	2.278	E	10	G			0.9	13	FRANCE. ML 2.2 (LDG).
	09	10	47	59.6&	39.807	N	122.665	W	5					7	NORTHERN CALIFORNIA. <BRK>. ML 2.7 (BRK).
	09	11	38	48.8*	71.024	N	8.412	W	10	G	4.4	2.7	0.7	15	JAN MAYEN ISLAND REGION
	09	12	21	35.1*	31.056	S	71.637	W	33	N			0 6	13	NEAR COAST OF CENTRAL CHILE
	09	12	30	25.5	39.211	N	23.663	E	10	G	4.4		1.2	129	AEGEAN SEA. ML 4.4 (TTG), 4.3 (ATH). Felt in the northern Sporades and at Larisa.
	09	13	51	53.4	39.218	N	23.665	E	9		3.6		1.2	37	AEGEAN SEA. ML 3.7 (ATH).
	09	14	48	25.8?	51.93	N	179.29	E	33	N	4.0		0.1	5	RAT ISLANDS, ALEUTIAN ISLANDS
	09	14	48	35.9*	15.374	S	167.490	E	125	*	4.5		1.0	49	VANUATU ISLANDS
	09	15	06	45.0	40.104	N	29.641	W	10	G	4.8	4.6	1.2	107	AZORES ISLANDS REGION
	09	15	07	31.7	37.487	N	3.761	W	10	G			1.1	9	SPAIN. mbLg 3.0 (MDD).
	09	15	20	04.9	43.876	N	148.142	E	108	D	4.9		0.8	92	KURIL ISLANDS REGION
	09	15	31	32.2*	28.272	N	103.585	E	10	G	4.3		0.9	7	SICHUAN PROVINCE, CHINA. ML 3.7 (BJI).
	09	15	59	47.1*	5.649	S	151.749	E	53	*	4.4		0 9	12	NEW BRITAIN REGION
	09	17	24	52.3	40.121	N	29.700	W	10	G	4.9	5.0	1.2	131	AZORES ISLANDS REGION
	09	17	57	04.1?	35.37	S	72.16	W	33	N			1.2	16	NEAR COAST OF CENTRAL CHILE
	09	18	24	34.2	75.092	N	113.096	E	33	N	5.0	5.1	0.6	54	NEAR COAST OF CENTRAL SIBERIA
	09	18	42	22.9&	62.938	N	148.126	W	74					30	CENTRAL ALASKA. <AGS-P>.
	09	20	08	30.9	44.467	N	148.305	E	33	N	4.7		0.8	30	KURIL ISLANDS
	09	20	16	52.6&	46.857	N	120.602	W	8					46	WASHINGTON. <SEA>. CL 2.8 (SEA).
	09	21	15	05.3*	7.542	S	119.362	E	298	?	4.1		0.8	9	FLORES SEA
a	09	21	38	21.1	1.253	N	123.422	E	34	D	5.1	4.7	1.3	85	MINAHASSA PENINSULA
	09	22	46	22.3	39.199	N	23.692	E	12		4.4		1.1	45	AEGEAN SEA. ML 3.8 (ATH).
	09	23	25	22.6*	24.246	N	122.504	E	10	G			0.8	7	TAIWAN REGION
	10	00	49	27.3&	62.379	N	151.192	W	87					22	CENTRAL ALASKA. <AGS-P>.
	10	02	09	00.4	57.071	N	158.082	E	33	N	4.7	3.8	1.4	51	KAMCHATKA
	10	03	10	54.2%	42.958	N	13.262	E	10	G			0.8	13	CENTRAL ITALY
	10	03	17	44.5	24.191	S	66.912	W	158		4.7		1.0	65	SALTA PROVINCE, ARGENTINA
	10	03	37	56.6	39.193	N	23.711	E	10	G			1.1	19	AEGEAN SEA
	10	04	27	42.3	17.118	S	173.116	W	33	N	4.4		1.5	20	TONGA ISLANDS
	10	04	43	46.8	5.507	S	150.882	E	90	?	4.7		0.9	12	NEW BRITAIN REGION
	10	04	57	39.9*	31.094	S	68.504	W	10	G			1.0	6	SAN JUAN PROVINCE, ARGENTINA
	10	04	57	52.7?	5.96	S	150.54	E	118	?	4.6		0.6	9	NEW BRITAIN REGION
	10	05	00	54.6&	62.361	N	124.292	W	10	G	5.1	4.6		215	NORTHWEST TERRITORIES, CANADA. <PGC>. ML 5.6 (PGC). Felt at Fort Simpsan.
	10	05	41	38.7?	56.79	S	24.58	W	33	N	5.0		1.6	5	SOUTH SANDWICH ISLANDS REGION
	10	06	39	15.0?	18.10	S	71.87	W	10	G	4.8		1.1	7	OFF COAST OF NORTHERN CHILE
	10	07	35	02.6?	17.55	N	99.25	W	33	N			1.5	6	GUERRERO, MEXICO
	10	08	26	57.5?	41.11	N	19.38	E	10	G			1.6	5	ALBANIA
	10	09	25	00.2?	39.52	N	15.59	E	283	*	3.6		0.2	7	SOUTHERN ITALY
	10	10	42	38.7	5.880	N	127.235	E	71	*	4.6		1.0	29	PHILIPPINE ISLANDS REGION
	10	10	53	28.6*	5.844	N	127.259	E	74	*	4.5		1.1	23	PHILIPPINE ISLANDS REGION
	10	11	25	40.0	18.166	S	69.594	W	132	*	4.9		1.0	11	NORTHERN CHILE
	10	11	36	45.2	41.252	N	29.328	E	18		3.9		1.2	78	TURKEY. ML 4.1 (ATH). Felt in the Istanbul area.
	10	11	40	52.5&	63.067	N	149.360	W	87					30	CENTRAL ALASKA. <AGS-P>.
	10	12	37	34.5%	60.237	N	5.588	E	10	G			0.2	5	SOUTHERN NORWAY. MD 1.3 (BER).
	10	13	23	50.2*	34.639	N	24.347	E	10	G			1.2	9	CRETE. ML 4.0 (ATH).
	10	14	03	12.3&	60.114	N	152.829	W	116					25	SOUTHERN ALASKA. <AGS-P>.
	10	14	48	30.5&	60.475	N	145.187	W	14					23	SOUTHERN ALASKA. <AGS-P>.
	10	15	11	52.6	0.008	N	123.322	E	172	*	4.7		0.9	22	MINAHASSA PENINSULA
	10	15	23	50.7	42.941	N	21.330	E	10	G			1.4	10	YUGOSLAVIA. ML 2.5 (TTG).
	10	15	25	29.1%	45.672	N	26.860	E	10	G			1.4	5	ROMANIA
	10	15	58	50.3	43.650	N	148.545	E	48	D	4.8	4.1	0.8	62	KURIL ISLANDS REGION
	10	16	18	02.7*	53.044	N	170.995	E	33	N	4.9		0.7	13	NEAR ISLANDS, ALEUTIAN ISLANDS
	10	16	57	40.2*	44.093	N	7.740	E	10	G			0.4	8	NORTHERN ITALY. ML 2.5 (LDG). MD 1.6 (STR).
	10	17	50	19.3	43.992	N	7.671	E	10	G			0 7	14	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG). MD 1.8 (STR).
	10	19	36	10.6	52.818	N	131.935	W	10	G	4.6	3.7	1 4	62	QUEEN CHARLOTTE ISLANDS REGION
	10	19	42	46.3	60.128	N	141.088	W	10	G	4.0		1.0	38	SOUTHEASTERN ALASKA. ML 3.7 (PMR).
	10	19	57	36.3	39.176	N	23.673	E	8				0.8	22	AEGEAN SEA. ML 3.3 (ATH).
	10	20	11	35.1*	32.073	S	71.637	W	65	*	4.7		0.7	14	NEAR COAST OF CENTRAL CHILE
	10	22	00	55.8?	23.77	S	32.72	E	10	G			1.2	12	MOZAMBIQUE. ML 3.5 (PRE). mbLg 3.5 (BUL).
	10	22	38	59.9%	39.351	N	20.623	E	10	G			0.1	5	GREECE-ALBANIA BORDER REGION

a	11	00 01 54.4	7.236	S	118.896	W	33	N	5.2		1.1	85	EAST CENTRAL PACIFIC OCEAN
	11	00 49 09.4	32.334	N	48.722	E	16	D	4.6	3.8	1 0	91	WESTERN IRAN
	11	01 11 22.8?	42.81	N	0.18	E	10	G			1.2	5	PYRENEES. ML 2.7 (LDG).
	11	01 38 14.8&	37.290	N	121.640	W	6					10	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=1.3•10••14 Nm (BRK). Felt at San Jose.
	11	02 31 18.1?	37.53	N	20.66	E	33	N			1.6	5	IONIAN SEA. ML 3.8 (ATH).
	11	02 39 32.0?	46.40	N	2.50	E	10	G			0.7	4	FRANCE. ML 1.4 (LDG).
	11	02 42 52.3•	10.468	S	124.467	E	93	?	4.6		1.3	8	TIMOR
	11	02 51 04.4%	10.045	N	69.400	W	10	G			0.3	6	VENEZUELA
	11	03 02 18.7•	5.160	S	152.018	E	59	•	4.4		0.7	14	NEW BRITAIN REGION
	11	03 46 50.8•	21.577	S	68.423	W	109	?	4.3		1.4	6	CHILE-BOLIVIA BORDER REGION
	11	04 52 52.0	27.394	N	111.260	W	10	G	4.8		1.3	60	GULF OF CALIFORNIA
	11	05 30 13.7•	13.708	N	145.804	E	33	N	4.0		1.4	11	MARIANA ISLANDS
a	11	05 43 03.3•	7.398	S	118.795	W	33	N	5.2	5.1	1.1	83	EAST CENTRAL PACIFIC OCEAN
	11	06 05 16.7?	55.17	N	167.53	E	33	N	4.4		1.0	25	KOMANDORSKY ISLANDS REGION
	11	06 21 09.8&	61.824	N	149.834	W	37		2.7			53	SOUTHERN ALASKA. <AGS-P>. ML 3.5 (PMR). Felt (IV) at Willow and (III) at Palmer.
	11	07 39 56.4?	30.01	S	69.86	W	130	G			0.4	4	CHILE-ARGENTINA BORDER REGION
	11	08 20 12.9•	14.116	N	90.234	W	194	•	4.2		1.3	33	GUATEMALA
	11	08 21 48.1?	6.02	S	145.13	E	77	?	3.9		0.1	5	PAPUA NEW GUINEA
	11	08 28 10.8	57.182	N	158.030	E	65	D	4.9		1.3	105	KAMCHATKA
	11	08 32 19.7•	2.139	N	97.557	E	33	N			1.7	6	NORTHERN SUMATERA
	11	09 07 26.4&	38.358	N	122.393	W	8					13	NORTHERN CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=3.4•10••15 Nm (BRK). Felt (V) at Sonoma; (IV) at Angwin, El Verano, Glen Ellen, Napa, Rutherford and Yountville; (III) at Boyes Hot Springs, Oakville, Penngrove and Saint Helena. Felt in parts of Lake, Napa, Solano and Sonoma Counties.
	11	14 48 00.2	23.687	N	121.554	E	5	G			1.0	10	TAIWAN. ML 3.9 (BJI).
	11	14 58 48.9•	36.328	N	28.128	E	10	G			1.4	8	DODECANESE ISLANDS
	11	16 46 21.4?	17.35	N	99.42	W	10	G			1.3	6	GUERRERO, MEXICO
	11	17 49 42.0•	6.777	S	106.420	E	106	?	4.8		1.2	32	JAVA
	11	18 02 50.7	45.830	N	14.683	E	10	G			0.9	7	YUGOSLAVIA. MD 2.8 (LJU). Felt in the Dobra Polje-Videm area.
	11	18 35 38.4?	36.05	N	100.15	E	33	N			1.3	4	QINGHAI PROVINCE, CHINA. ML 4.0 (BJI).
	11	18 57 00.6%	27.720	N	103.702	E	10	G			1.1	5	YUNNAN PROVINCE, CHINA. ML 3.2 (BJI).
	11	19 23 31.8?	41.78	N	12.82	E	10	G			1.0	4	SOUTHERN ITALY
	11	20 25 19.7?	30.46	S	68.80	W	33	N			0.2	4	SAN JUAN PROVINCE, ARGENTINA
	11	20 28 44.6%	34.921	S	144.416	E	10	G			1.7	6	NEW SOUTH WALES, AUSTRALIA. ML 3.2 (BFD), 3.1 (CNB), 2.6 (TOO).
	11	21 50 42.4	44.838	N	9.673	E	26				0.9	42	NORTHERN ITALY. ML 3.0 (LDG), 2.7 (VIE).
	11	22 05 21.3&	60.581	N	150.150	W	41					51	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.5 (PMR).
	11	22 06 04.7&	40.455	N	124.048	W	24					4	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	11	22 32 49.8&	60.494	N	151.988	W	81					26	KENAI PENINSULA, ALASKA. <AGS-P>.
	11	22 46 02.3%	33.721	S	71.541	W	10	G			0.5	7	NEAR COAST OF CENTRAL CHILE
	11	22 48 54.9?	29.18	N	16.90	W	33	N			0.6	4	CANARY ISLANDS REGION. mbLg 2.7 (MDD).
	11	22 55 41.3?	31.28	S	68.65	W	100	G			0.4	4	SAN JUAN PROVINCE, ARGENTINA
	11	23 10 29.0	2.998	S	130.457	E	24	D	4.7		1.1	19	CERAM
	11	23 27 12.6	31.244	S	70.070	W	129	•			0.8	15	CHILE-ARGENTINA BORDER REGION
	12	00 21 27.9%	39.947	N	28.980	E	5	G			1.5	8	TURKEY
	12	00 43 38.9	34.380	N	26.697	E	33	N			1.0	10	CRETE
	12	01 59 14.0•	36.639	N	71.396	E	203	?	4.3		1.3	18	AFGHANISTAN-USSR BORDER REGION
	12	02 39 27.0&	63.365	N	149.861	W	10					28	CENTRAL ALASKA. <AGS-P>.
	12	02 40 06.1&	32.690	N	117.370	W	12					4	CALIFORNIA-MEXICO BORDER REGION. <ECX>. MD 2.1 (ECX).
	12	03 06 03.3?	16.53	S	72.04	W	64	•	4.4		1.7	8	NEAR COAST OF PERU
	12	04 21 19.4	43.982	N	26.368	E	20		3.3		0.9	34	BULGARIA. Felt (IV) in the Giurgiu area and (I) at Bucharest, Romania.
	12	06 02 23.4?	31.39	S	68.08	W	10	G			0.1	4	SAN JUAN PROVINCE, ARGENTINA
	12	07 10 37.3&	31.940	N	116.240	W	3					5	BAJA CALIFORNIA. <ECX>. ML 2.3 (ECX).
	12	07 17 15.0?	9.77	S	159.75	E	37	•	4.8		0.8	11	SOLOMON ISLANDS
	12	07 50 13.9?	45.84	N	6.98	E	10	G			0.3	5	FRANCE
	12	08 00 12.0	2.898	S	130.315	E	33	N	5.0	4.4	0.9	38	CERAM
	12	08 38 36.8&	61.630	N	150.892	W	60					26	SOUTHERN ALASKA. <AGS-P>.
	12	08 39 48.0%	39.011	N	29.282	E	5	G			1.4	7	TURKEY
	12	09 58 25.9•	33.236	S	178.513	W	61	?	5.0		1.5	20	SOUTH OF KERMADEC ISLANDS
	12	10 29 59.4•	41.293	N	29.346	E	10	G			0.3	5	TURKEY
	12	11 01 49.0?	37.74	N	6.23	W	10	G			0.5	4	SPAIN. mbLg 2.7 (MDD).
	12	11 12 20.3?	50.12	N	168.67	W	33	N	4.1		0.7	5	ALEUTIAN ISLANDS REGION
	12	11 12 59.5%	37.536	N	3.920	W	5	G			0.4	5	SPAIN. mbLg 2.8 (MDD).
	12	11 18 26.0?	6.23	S	30.92	E	33	N	4.2		1.4	6	LAKE TANGANYIKA REGION
	12	11 43 04.2	36.175	N	99.911	E	32		4.5		1.4	32	QINGHAI PROVINCE, CHINA. ML 4.4 (BJI).
	12	11 47 55.1?	38.03	N	23.66	E	10	G			0.4	4	GREECE. ML 2.5 (ATH).
	12	11 53 56.9?	36.17	S	72.01	W	33	N			1.0	18	NEAR COAST OF CENTRAL CHILE
	12	13 09 50.0•	35.961	N	10.656	W	33	N			0.8	19	NORTH ATLANTIC OCEAN. mbLg 3.5 (MDD). MD 3.5 (RBA).
	12	13 19 21.4?	33.88	S	72.79	W	32				0.7	12	OFF COAST OF CENTRAL CHILE
	12	13 37 49.0%	39.901	N	28.962	E	5	G			1.4	7	TURKEY
	12	13 47 17.1&	58.713	N	156.261	W	204		3.6			43	ALASKA PENINSULA. <AGS-P>.
	12	14 11 53.8•	11.589	N	87.004	W	34	D	4.7		1.2	44	NEAR COAST OF NICARAGUA
	12	15 05 24.1?	33.55	S	178.91	W	101	?	4.9		1.5	7	SOUTH OF KERMADEC ISLANDS
	12	15 43 43.0?	33.58	S	179.13	W	112	?	4.9		1.5	10	SOUTH OF KERMADEC ISLANDS
	12	16 29 24.3?	17.37	N	98.86	W	10	G			1.6	5	GUERRERO, MEXICO
	12	17 55 28.2&	39.817	N	122.608	W	31					6	NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK).
	12	18 05 22.7?	31.14	S	68.64	W	90	?			0.1	6	SAN JUAN PROVINCE, ARGENTINA
	12	18 45 23.9•	6.188	S	147.813	E	59	•	4.9		1.3	21	EAST PAPUA NEW GUINEA REGION
	12	18 48 56.0	43.230	N	0.367	W	12				1.4	59	PYRENEES. ML 4.2 (LDG). mbLg 3.9 (MDD), 3.7 (UCC). Felt (V) in the Bearn-Bigarre area, France.
	12	19 07 47.0•	60.794	S	54.026	W	10	G	5.0		1.6	8	SOUTH SHETLAND ISLANDS
	12	19 56 59.2	6.575	S	130.234	E	140	•	4.8		1.0	39	BANDA SEA
	12	21 21 52.9	44.289	N	6.621	E	5	G			0.4	13	FRANCE. ML 2.4 (GEN), 2.1 (LDG).
	12	21 32 43.2•	30.943	S	72.437	W	33	N			0.5	15	OFF COAST OF CENTRAL CHILE
	12	23 00 15.7?	43.03	N	17.63	E	10	G			0.5	10	YUGOSLAVIA. MD 4.2 (THE).
	12	23 06 23.5%	42.023	N	14.092	E	5	G			1.1	7	CENTRAL ITALY
	12	23 29 16.0	43.078	N	0.321	W	10	G			0.3	7	PYRENEES. MD 1.0 (STR).

	12	23	55	27.6?	42.61	N	7.74	E	10	G			0.3	4	WESTERN MEDITERRANEAN SEA. ML 2.2 (LDG).
	13	00	53	56.9?	40.13	N	28.38	E	10	G			1.1	4	TURKEY
	13	01	20	40.3?	14.77	N	60.74	W	33	N			0.2	4	WINDWARD ISLANDS. ML 2.4 (FDF).
	13	01	56	12.0	46.774	N	10.032	E	10	G			1.2	37	NORTHERN ITALY. ML 2.9 (LDG), 2.9 (FUR), 2.8 (VIE), 2.7 (GRF).
	13	02	17	18.9%	46.953	N	1.418	E	10	G			0.9	15	FRANCE. ML 2.3 (LDG).
a	13	02	44	08.0	9.457	N	138.202	E	21	D	5.6	4.9	0.9	174	WEST CAROLINE ISLANDS. Damage (VI) on Yap.
	13	04	17	22.0?	31.83	S	69.15	W	120	G			0.4	7	SAN JUAN PROVINCE, ARGENTINA
	13	08	49	49.2&	62.266	N	148.546	W	47					30	CENTRAL ALASKA. <AGS-P>.
	13	09	05	18.6?	41.10	N	29.54	E	10	G			0.8	4	TURKEY
	13	09	18	57.2*	32.029	S	71.829	W	91	?			0.8	17	NEAR COAST OF CENTRAL CHILE
	13	09	50	38.8&	63.529	N	150.742	W	8					16	CENTRAL ALASKA. <AGS-P>.
	13	12	07	03.9&	19.273	N	155.499	W	10					47	HAWAII. <HVO-P>. ML 4.2 (HVO). Felt (III) at Kalaoo, Keahau and Pahala.
	13	12	14	18.1?	32.76	S	69.98	W	120	G			0.4	5	MENDOZA PROVINCE, ARGENTINA
	13	12	26	15.2%	31.334	S	68.618	W	100	G			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	13	12	55	51.9	41.154	N	23.174	E	5	G			0.6	9	GREECE-BULGARIA BORDER REGION. ML 1.4 (SKO).
	13	15	16	29.8*	16.891	N	60.994	W	29				0.3	12	LEEWARD ISLANDS. ML 3.4 (FDF).
	13	16	00	00.0&	37.262	N	116.420	W	0		5.7	4.5		340	SOUTHERN NEVADA. <DOE>. ML 5.6 (BRK). 37° 15' 41.76" N., 116° 25' 12.42" W., Surface Elev. 1977 m., Depth of Burial 700 m., Shot Time 160000.008, "BULLION," Nevada Test Site (Dept. of Energy). Felt at Las Vegas.
	13	16	32	57.3	40.002	N	106.232	E	10	G	4.5		1.3	17	NORTHERN CHINA. ML 4.7 (BJI).
a	13	16	41	53.6	6.371	N	126.396	E	77	D	5.6		1.0	138	MINDANAO, PHILIPPINE ISLANDS
	13	17	01	04.7*	69.053	N	144.444	W	33	N	3.8		0.6	12	ALASKA
	13	17	18	28.9%	39.964	N	29.003	E	10	G			0.4	6	TURKEY
	13	17	18	53.9?	31.55	S	68.63	W	94	?			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	13	17	22	15.6	36.978	N	28.056	E	13		3.8		1.4	23	DODECANESE ISLANDS
	13	17	33	23.9*	6.295	N	126.349	E	33	N	4.8		1.0	21	MINDANAO, PHILIPPINE ISLANDS
	13	18	09	01.6?	16.24	N	97.68	W	33	N			0.9	5	OAXACA, MEXICO
	13	18	45	29.6?	31.28	S	68.43	W	90	?			0.3	6	SAN JUAN PROVINCE, ARGENTINA
	13	18	55	24.6?	36.57	N	25.34	E	5	G			1.1	4	DODECANESE ISLANDS. ML 3.3 (ATH).
	13	18	58	54.0?	31.42	S	67.83	W	10	G			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	13	19	38	26.1?	37.38	N	30.14	E	10	G			0.4	4	TURKEY
	13	19	44	45.0&	60.808	N	151.180	W	49					42	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.2 (PMR).
	13	19	54	46.9*	46.946	N	0.381	W	5	G			1.6	7	FRANCE. ML 2.7 (LDG).
	13	20	22	12.3?	15.64	N	97.73	W	33	N			1.4	4	NEAR COAST OF OAXACA, MEXICO
	13	20	41	59.8	19.656	N	144.544	E	497		4.5		0.8	33	MARIANA ISLANDS
	13	21	30	01.4%	46.734	N	8.123	E	10	G			0.8	14	SWITZERLAND. ML 2.2 (LDG).
	13	21	34	39.9	36.615	N	27.009	E	30		3.8		1.3	19	DODECANESE ISLANDS. ML 4.1 (ATH).
	13	22	27	21.3	45.794	N	26.874	E	89	*	3.2		0.9	13	ROMANIA
	13	23	00	43.7	5.754	N	124.528	E	74	*	5.1		1.4	54	MINDANAO, PHILIPPINE ISLANDS
	13	23	17	24.1?	31.19	S	68.52	W	99	?			0.4	5	SAN JUAN PROVINCE, ARGENTINA
	13	23	36	06.6?	31.83	S	69.46	W	98	?			0.2	6	SAN JUAN PROVINCE, ARGENTINA
	13	23	48	54.0*	24.702	N	122.639	E	14	*	4.8		1.2	13	TAIWAN REGION. ML 4.0 (BJI).
	14	00	47	25.4%	43.075	N	18.775	E	10	G			0.9	6	YUGOSLAVIA. ML 2.4 (TTG).
	14	01	03	20.8*	45.488	N	27.158	E	10	G			0.7	5	ROMANIA
	14	02	49	49.1*	24.731	N	122.659	E	10	G	3.9		0.7	6	TAIWAN REGION
	14	03	55	23.4	56.740	N	155.344	W	46	D	5.0	4.5	0.9	162	ALASKA PENINSULA. ML 5.2 (PMR). Felt (IV) at Akhiak.
	14	04	25	23.4%	44.607	N	7.212	E	10	G			0.2	7	NORTHERN ITALY. ML 2.0 (GEN).
	14	05	55	34.7&	63.154	N	150.820	W	134					10	CENTRAL ALASKA. <AGS-P>.
a	14	06	28	34.9	18.211	N	147.197	E	24	D	5.1	5.0	1.1	108	MARIANA ISLANDS REGION. Ms 4.7 (BRK).
	14	06	33	23.7?	37.33	N	72.12	E	131	?	4.1		1.0	8	TAJIK SSR
	14	07	20	52.4	37.110	N	72.861	E	57	*	4.8		1.1	34	TAJIK SSR
a	14	07	40	56.2	11.760	N	121.899	E	18	G	6.0	7.1	1.2	283	PANAY, PHILIPPINE ISLANDS. Ms 6.8 (BRK). Mo=6.0*10**19 Nm (PPT). At least four people killed, 15 injured in the Culasi area. Considerable damage in other parts of Panay. Felt (VI RF) at Iloilo; (V RF) at Bacolod, Negros and on Cebu; (III RF) on Camiguin; (II RF) at Sorsogon and (I RF) at Manila, Luzon. Depth from broadband displacement seismograms.
	14	08	13	20.5?	36.72	N	26.85	E	5	G			1.6	4	DODECANESE ISLANDS
	14	08	13	53.4*	12.099	N	121.423	E	33	N	4.3		1.5	11	MINDORO, PHILIPPINE ISLANDS
	14	08	20	29.3?	1.12	S	78.39	W	10	G			0.3	5	ECUADOR
	14	08	31	10.0	11.603	N	121.808	E	18	D	5.4	5.6	1.1	108	PANAY, PHILIPPINE ISLANDS
	14	08	33	20.0?	41.19	N	29.27	E	10	G			0.9	4	TURKEY
	14	08	48	46.5*	51.744	N	176.354	W	66	*	4.5		1.1	28	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (IV) on Adak.
	14	09	09	30.6*	11.836	N	121.089	E	33	N	4.4		1.7	12	PANAY, PHILIPPINE ISLANDS
	14	09	21	39.3	11.662	N	121.474	E	26	*	4.7		1.1	28	PANAY, PHILIPPINE ISLANDS
	14	10	00	46.4	60.301	N	5.339	E	10	G			0.4	7	SOUTHERN NORWAY. MD 3.7 (BER).
	14	10	14	48.5?	6.09	N	126.58	E	33	N	4.2		0.7	7	MINDANAO, PHILIPPINE ISLANDS
	14	10	34	38.7*	11.571	N	122.470	E	33	N	4.8		0.9	17	PANAY, PHILIPPINE ISLANDS
	14	11	37	12.9	79.035	N	2.048	E	10	G	4.4		1.1	16	GREENLAND SEA
	14	11	49	01.3	11.490	N	122.281	E	17	D	5.0	4.5	1.4	52	PANAY, PHILIPPINE ISLANDS
	14	12	24	31.1%	39.161	N	29.616	E	10	G			1.6	8	TURKEY
f	14	12	47	28.8	47.869	N	85.076	E	58	G	6.1	6.8	1.0	501	KAZAKH-XINJIANG BORDER REGION. mb 6.5 (PAS). Ms 6.6 (BRK), 6.4 (PAS). One person killed, 3,000 houses destroyed and 20,000 people left homeless in the Ust-Kamenogorsk-Zaysan area, USSR. Damage in Jeminay and Habahe Counties, China. Felt (V) at Novosibirsk, Semipalatinsk and Ust-Kamenogorsk and (III) at Andizhan and Frunze, USSR. Also felt at Urumqi, China. Depth from broadband displacement seismograms.
	14	13	27	29.9	44.517	N	129.914	W	10	G	4.2		0.5	78	OFF COAST OF OREGON
	14	13	55	10.4?	43.03	N	0.19	W	10	G			0.2	6	PYRENEES. MD 1.0 (STR).
	14	14	02	02.1*	7.004	S	125.074	E	567	*	5.0		0.9	17	BANDA SEA
	14	14	18	10.6	47.892	N	85.050	E	37	D	5.2	5.0	1.0	212	KAZAKH-XINJIANG BORDER REGION
	14	14	37	49.8&	63.371	N	151.247	W	7					17	CENTRAL ALASKA. <AGS-P>.
	14	14	46	51.8*	11.161	N	122.111	E	33	N	4.8		1.3	21	PANAY, PHILIPPINE ISLANDS
	14	15	12	03.7%	59.890	N	6.196	E	10	G			0.4	6	SOUTHERN NORWAY. MD 1.4 (BER).
	14	15	28	21.4	24.976	N	94.019	E	61	D	4.5		1.1	34	BURMA-INDIA BORDER REGION
	14	17	08	01.3?	31.34	S	68.54	W	91	?			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	14	17	32	45.5%	39.862	N	30.276	E	5	G			0.8	6	TURKEY

	14	19	01	30.4	29.882	N	138.761	E	445	*	4.6	1.0	50	SOUTH OF HONSHU, JAPAN
	14	19	31	59.3	24.403	S	179.974	W	499	?	4.9	0.9	53	SOUTH OF FIJI ISLANDS
	14	19	39	12.3	31.883	S	70.854	W	120	G		0.5	15	CHILE-ARGENTINA BORDER REGION
	14	20	22	17.4	6.342	N	126.338	E	95	*	5.0	1.2	55	MINDANAO, PHILIPPINE ISLANDS
	14	21	23	13.1?	32.02	S	70.47	W	110	G		0.5	6	CHILE-ARGENTINA BORDER REGION
a	14	21	56	48.1	11.312	N	122.252	E	23	D	5.3 5.1	1.3	103	PANAY, PHILIPPINE ISLANDS
	14	22	01	05.4?	56.69	N	155.33	W	33	N	4.3	0.5	16	ALASKA PENINSULA
	14	22	15	17.8	36.672	N	21.377	E	40	D	4.4	1.4	178	SOUTHERN GREECE. MD 4.7 (HLW), 4.5 (ATH).
	14	22	25	26.0	5.870	S	153.302	E	50	D	5.0	1.1	37	NEW IRELAND REGION
	14	22	36	18.6	36.683	N	21.383	E	10	G	3.4	0.8	11	SOUTHERN GREECE. ML 3.5 (ATH).
	14	22	44	25.0*	31.394	S	68.035	W	10	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	14	23	04	33.1	30.150	S	69.409	W	117		4.9	1.2	28	CHILE-ARGENTINA BORDER REGION
	14	23	28	48.9&	31.570	N	114.480	W	6				7	GULF OF CALIFORNIA. <ECX>. ML 3.8 (ECX).
	14	23	45	01.3	39.096	N	20.766	E	29		3.7	1.1	49	GREECE-ALBANIA BORDER REGION. ML 3.8 (ATH).
	15	00	30	51.4	23.297	S	178.955	E	563	*	4.8	1.1	62	SOUTH OF FIJI ISLANDS
	15	01	28	21.0?	31.25	S	68.49	W	89	?		0.2	6	SAN JUAN PROVINCE, ARGENTINA
	15	02	10	09.0	18.950	N	64.309	W	47	D	4.4	0.9	43	VIRGIN ISLANDS. MD 4.8 (TRN).
	15	03	20	57.4?	4.03	S	104.57	W	10	G	4.0	1.3	14	NORTHERN EASTER I. CORDILLERA
	15	03	29	36.5&	40.428	N	125.395	W	5				10	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK).
	15	04	42	51.9	42.366	N	1.809	E	10	G		0.9	20	PYRENEES. ML 3.4 (LDG). mbLg 3.3 (MDD).
	15	05	54	55.7*	30.582	N	67.429	E	33	N	4.4	1.7	7	PAKISTAN
	15	06	02	37.8?	32.51	S	71.83	W	33	N		0.9	6	NEAR COAST OF CENTRAL CHILE
	15	06	14	13.3?	31.51	S	69.36	W	120	G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
	15	06	19	04.9	11.848	N	61.030	W	37	?		0.9	21	WINDWARD ISLANDS. MD 3.6 (TRN).
	15	06	20	55.7*	31.699	S	69.361	W	125	*	4.1	1.1	19	SAN JUAN PROVINCE, ARGENTINA
	15	06	31	27.5	11.568	N	121.791	E	33	N	4.8 4.3	1.2	38	PANAY, PHILIPPINE ISLANDS
	15	07	21	57.4	6.168	S	77.100	W	35	D	4.8	0.9	73	NORTHERN PERU. Felt in the Mendoza-Moyobamba area.
a	15	08	12	26.2	5.041	S	152.082	E	60	D	5.5	0.9	250	NEW BRITAIN REGION. Ms 6.0 (BRK).
	15	08	32	16.8*	24.060	S	67.013	W	267	?		1.3	7	CHILE-ARGENTINA BORDER REGION
	15	10	19	10.9?	17.22	N	60.91	W	10	G		0.5	5	LEEWARD ISLANDS. ML 2.8 (FDF).
	15	10	34	41.8*	20.979	N	97.000	E	33	N		0.7	6	BURMA
	15	10	37	19.5	43.119	N	0.344	W	10	G		0.8	13	PYRENEES. ML 3.2 (LDG). Felt (III) in the Ossau Valley, France.
	15	11	36	50.7?	38.98	N	20.01	E	33	N		0.7	4	GREECE
	15	12	13	26.5%	39.365	N	27.797	E	10	G		1.5	5	TURKEY
	15	12	21	55.5&	36.905	N	121.658	W	7				14	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	15	12	41	02.6	21.124	N	119.649	E	33	N	4.1	1.3	21	TAIWAN REGION
	15	12	42	22.7%	38.171	N	27.306	E	10	G		1.7	6	TURKEY
	15	12	57	28.4&	61.031	N	150.742	W	42		3.2		56	SOUTHERN ALASKA. <AGS-P>. ML 4.0 (PMR). Felt (III) at Anchorage and Willow; (II) at Eagle River and Palmer.
	15	13	05	07.5*	35.685	N	140.271	E	67	*	4.5	0.8	15	NEAR EAST COAST OF HONSHU, JAPAN
	15	13	14	42.5*	32.282	S	72.098	W	75	?		1.2	19	OFF COAST OF CENTRAL CHILE
	15	13	21	24.8*	10.221	N	127.094	E	33	N	5.1 4.2	0.9	23	PHILIPPINE ISLANDS REGION
	15	15	04	50.9	6.422	S	131.240	E	62	*	5.0	1.5	47	TANIMBAR ISLANDS REGION
	15	17	51	03.1?	17.75	S	72.41	W	33	N	4.3	1.5	5	NEAR COAST OF PERU
	15	18	04	55.2?	16.45	N	61.11	W	33	N		0.4	4	LEEWARD ISLANDS. ML 2.1 (FDF).
	15	19	24	44.7	43.074	N	0.342	W	14			0.6	11	PYRENEES. ML 3.1 (LDG). Felt (III) in the Ossau Valley, France.
	15	19	28	53.0%	42.376	N	19.342	E	10	G		0.7	7	YUGOSLAVIA. ML 2.4 (TTG).
	15	19	40	58.2%	16.842	N	61.627	W	33	N		0.6	6	LEEWARD ISLANDS. ML 2.9 (FDF).
	15	20	05	56.8&	40.272	N	124.432	W	8				6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.9 (BRK).
	15	20	11	17.8	46.404	N	12.905	E	10	G		1.5	14	NORTHERN ITALY. MD 3.3 (LJU). ML 2.8 (KBA).
	15	20	26	20.0	6.785	S	142.994	E	33	N	4.8	1.2	20	PAPUA NEW GUINEA
	15	20	37	35.1&	36.755	N	121.485	W	7				14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	15	21	04	09.0%	16.038	N	61.095	W	33	N		0.2	5	LEEWARD ISLANDS. ML 2.0 (FDF).
	15	22	55	34.9%	45.700	N	26.989	E	33	N		1.6	6	ROMANIA
	16	00	28	49.2%	44.771	N	6.653	E	10	G		0.3	6	FRANCE. ML 2.3 (GEN).
a	16	01	34	11.2	22.607	S	176.720	W	139	D	5.3	1.1	120	SOUTH OF FIJI ISLANDS
	16	02	05	37.7*	38.365	S	16.587	W	10	G	5.0	0.7	26	SOUTH ATLANTIC RIDGE
a	16	02	16	21.1	39.258	N	20.528	E	32	D	5.6 5.2	1.3	389	GREECE-ALBANIA BORDER REGION. MD 5.4 (TTG). One person slightly injured and damage in the Preveza area. Felt strongly in much of northwestern Greece and on Kerkira.
	16	02	41	55.2	44.098	N	16.360	E	10	G		0.9	13	YUGOSLAVIA
	16	02	44	09.0	39.161	N	20.519	E	10	G		1.3	10	GREECE-ALBANIA BORDER REGION
	16	03	32	14.8	39.152	N	20.475	E	10	G		1.0	14	GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH).
	16	03	47	59.6*	5.474	N	31.863	E	10	G	4.1	1.5	7	SUDAN. mbLg 4.4 (BUL).
	16	04	25	04.3&	68.024	N	148.713	W	7				8	ALASKA. <AGS-P>.
	16	04	28	03.9	64.661	N	151.098	W	33	N	4.1	0.9	62	CENTRAL ALASKA. ML 3.7 (PMR). Felt (IV) at Manley Hot Springs.
a	16	04	53	42.9	27.998	N	127.976	E	27		5.7 6.1	1.2	185	RYUKYU ISLANDS
	16	05	10	34.7%	41.334	N	20.254	E	10	G		0.3	5	ALBANIA
	16	05	48	26.9*	39.174	N	20.454	E	10	G		1.2	5	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH).
	16	06	16	09.6*	39.170	N	20.444	E	10	G		1.4	9	GREECE-ALBANIA BORDER REGION
	16	06	52	37.5?	11.22	N	121.77	E	33	N	4.4	1.0	7	PANAY, PHILIPPINE ISLANDS
	16	07	31	17.1	39.192	N	20.421	E	10	G		1.0	6	GREECE-ALBANIA BORDER REGION. MD 3.3 (ATH).
	16	08	38	04.6?	39.27	N	29.46	E	10	G		0.9	4	TURKEY
	16	08	47	02.0*	33.385	S	178.510	W	33	N	4.9 4.9	1.3	32	SOUTH OF KERMADEC ISLANDS
	16	09	10	48.6&	59.754	N	152.830	W	90				17	SOUTHERN ALASKA. <AGS-P>.
	16	10	05	10.1%	42.081	N	12.849	E	10	G		0.5	5	CENTRAL ITALY
	16	10	06	12.9*	41.840	N	23.256	E	33	N		0.7	5	GREECE-BULGARIA BORDER REGION
	16	10	28	02.5%	29.276	N	105.193	E	10	G		1.4	5	SICHUAN PROVINCE, CHINA. ML 3.6 (BJI).
	16	10	44	43.2?	36.23	N	70.42	E	191	?	4.6	0.6	7	HINDU KUSH REGION
	16	10	49	58.2?	37.83	N	23.19	E	90	?		1.0	5	SOUTHERN GREECE
	16	11	09	30.4	6.682	S	149.145	E	54	D	4.6	1.1	22	NEW BRITAIN REGION
	16	11	28	17.8*	36.024	N	29.234	E	10	G		0.4	7	TURKEY
	16	11	44	25.2%	44.497	N	7.006	E	10	G		0.2	10	NORTHERN ITALY. ML 2.2 (GEN).
	16	12	32	42.7%	45.337	N	7.104	E	10	G		0.4	10	NORTHERN ITALY. ML 2.3 (GEN).
	16	12	42	58.2?	41.16	N	28.52	E	10	G		0.2	4	TURKEY
	16	12	43	27.7?	68.52	N	33.09	E	10	G	4.3	0.9	10	EUROPEAN USSR. MD 4.4 (BER).
	16	14	00	30.0*	7.477	S	128.809	E	145	?	5.2	1.3	14	BANDA SEA
	16	14	13	24.1	32.546	S	71.642	W	10	G		0.7	15	NEAR COAST OF CENTRAL CHILE
	16	14	19	53.7*	39.158	N	20.520	E	10	G		1.4	5	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	16	14	58	12.4%	40.578	N	30.347	E	5	G		1.0	5	TURKEY

	16	18	19	05.3?	39.19	N	20.47	E	10	G		0.6	4	GREECE-ALBANIA BORDER REGION. MD 2.8 (ATH).
	16	19	10	12.2?	39.14	N	20.62	E	10	G		0.3	4	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).
	16	19	15	39.2?	31.63	S	68.27	W	87	?		0.1	6	SAN JUAN PROVINCE, ARGENTINA
	16	19	27	12.3	24.555	N	141.671	E	123	D	4.7	1.0	28	VOLCANO ISLANDS REGION
	16	19	47	26.7*	12.077	N	125.177	E	33	N	4.9	1.0	15	SAMAR, PHILIPPINE ISLANDS
	16	19	52	31.9&	58.621	N	153.899	W	71				14	KODIAK ISLAND REGION. <AGS-P>.
	16	20	08	50.3	26.706	N	44.611	W	10	G	4.5 4.0	0.6	32	NORTH ATLANTIC RIDGE
	16	21	02	16.1?	8.84	S	127.27	E	177	?	4.0	1.3	6	TIMOR
	16	21	39	52.9	39.105	N	20.469	E	10	G	4.0	1.2	41	GREECE-ALBANIA BORDER REGION. ML 3.8 (ATH).
	16	22	02	58.2%	39.208	N	29.153	E	10	G		0.5	5	TURKEY
	16	22	09	16.6	37.247	N	23.104	E	5	G		0.6	9	SOUTHERN GREECE. ML 3.3 (ATH).
	16	22	41	43.7	47.579	N	7.524	E	24			1.4	22	SWITZERLAND. ML 2.6 (LDG), 2.5 (VIE). MD 2.4 (STR).
	16	22	52	37.1?	35.87	N	70.71	E	109	?	4.6	1.4	9	HINDU KUSH REGION
	16	22	56	29.7?	39.41	N	29.38	E	10	G		0.5	4	TURKEY
	16	23	46	33.5*	55.086	N	161.120	E	33	N	4.4	0.5	16	NEAR EAST COAST OF KAMCHATKA
	17	00	20	15.7?	5.68	S	151.01	E	87	?	4.1	0.9	6	NEW BRITAIN REGION
	17	00	27	45.9&	63.271	N	151.115	W	12		3.0		42	CENTRAL ALASKA. <AGS-P>. ML 3.9 (PMR).
	17	00	52	23.4?	10.29	S	165.06	E	54	?	4.1	1.6	11	SANTA CRUZ ISLANDS
	17	01	29	03.7%	43.302	N	13.684	E	10	G		1.1	10	CENTRAL ITALY
	17	02	40	10.4&	41.035	N	123.447	W	33				7	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	17	03	10	51.8&	40.347	N	124.843	W	17				9	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK).
	17	04	01	50.3*	36.245	N	27.174	E	10	G		1.2	6	DODECANESE ISLANDS
	17	04	07	47.6*	36.295	N	27.166	E	10	G		1.5	9	DODECANESE ISLANDS
	17	04	23	57.1*	13.129	N	88.769	W	75		4.7	1.0	22	EL SALVADOR. Felt (II) at San Salvador.
f	17	04	51	45.5	27.398	N	65.719	E	15	G	5.9 6.3	1.2	390	PAKISTAN. Ms 6.4 (BRK), 6.2 (PAS). At least six peaple injured and damage in sauthern Baluchistan Pravince. A 13-meter deep fissure was reparted in the epicentral area. Felt in the Khuzdar-Surab area. Depth fram braadband displacement seismograms.
	17	04	52	37.0*	36.289	N	27.399	E	10	G		1.0	8	DODECANESE ISLANDS
	17	05	00	48.6*	36.279	N	27.115	E	10	G		1.6	7	DODECANESE ISLANDS
	17	05	42	47.7*	36.373	N	27.286	E	33	N		1.5	8	DODECANESE ISLANDS
	17	06	08	05.4&	34.050	N	117.250	W	15				33	SOUTHERN CALIFORNIA. <PAS-P>. ML 3,7 (PAS). Felt (IV) at Mareno Valley and (III) at Cedarpines Park, China, Corona, Lake Arrowhead, Lama Linda, Riverside, Rubidoux, Running Springs and San Bernardina. Alsa felt at Hemet.
	17	06	17	01.9*	36.303	N	27.243	E	10	G		0.9	5	DODECANESE ISLANDS
	17	06	39	59.6?	7.91	S	117.22	E	293	?	3.9	0.8	8	BALI SEA
	17	07	50	20.5*	4.138	N	126.494	E	33	N	4.3	1.2	9	TALAUD ISLANDS
	17	08	16	05.8&	61.645	N	150.601	W	47				29	SOUTHERN ALASKA. <AGS-P>.
	17	08	20	54.4?	39.50	N	21.14	E	10	G		0.7	4	GREECE. MD 3.1 (ATH).
	17	08	29	37.8*	31.281	S	68.748	W	78	?		0.4	6	SAN JUAN PROVINCE, ARGENTINA
	17	09	35	04.2&	61.995	N	152.002	W	126				39	SOUTHERN ALASKA. <AGS-P>.
	17	10	37	33.7&	31.530	N	115.790	W	4				6	BAJA CALIFORNIA. <ECX>. ML 2.3 (ECX).
	17	11	38	54.2*	50.339	N	19.035	E	10	G		1.0	5	POLAND
	17	12	28	11.6*	40.293	N	24.165	E	10	G		1.2	7	AEGEAN SEA
	17	12	48	39.5&	62.468	N	149.183	W	0				46	CENTRAL ALASKA. <AGS-P>. ML 3.5 (PMR).
	17	12	56	34.5?	23.75	N	123.03	E	33	N		0.1	4	SOUTHWESTERN RYUKYU ISLANDS
	17	13	07	47.5%	40.469	N	15.574	E	10	G		0.6	5	SOUTHERN ITALY
	17	13	44	57.0	39.191	N	23.605	E	25		4.0	1.2	84	AEGEAN SEA. ML 4.2 (ATH).
	17	13	52	40.7	39.212	N	23.687	E	10	G		1.4	12	AEGEAN SEA. ML 3.3 (ATH).
	17	14	01	54.3%	15.990	N	60.839	W	31			0.3	10	LEEWARD ISLANDS. ML 2.7 (FDF).
	17	14	27	42.1?	36.53	S	69.94	W	140	G		0.8	14	MENDOZA PROVINCE, ARGENTINA
	17	15	27	32.0?	35.31	N	24.47	E	10	G		1.2	4	CRETE
	17	16	25	20.9	41.801	N	20.968	E	10	G		1.4	7	ALBANIA. ML 2.5 (SKO), 2.2 (TTG). Felt (III) at Gastivar, Yugaslavia.
	17	16	25	50.3?	37.49	N	22.77	E	10	G		0.8	4	SOUTHERN GREECE. ML 2.8 (ATH).
	17	16	34	50.0	41.797	N	20.965	E	10	G		1.1	8	ALBANIA. ML 2.5 (SKO), 2.5 (TTG). Felt (III) at Gastivar, Yugaslavia.
	17	16	46	04.2	38.477	S	16.454	W	10	G	5.3 4.6	0.9	69	SOUTH ATLANTIC RIDGE
	17	16	47	48.4*	10.625	N	63.244	W	26	*	3.7	0.9	12	NEAR COAST OF VENEZUELA
a	17	17	17	43.1	27.302	N	65.548	E	15	D	5.3 5.2	1.2	205	PAKISTAN
	17	17	27	18.4	33.406	S	71.196	W	33	N		0.6	15	NEAR COAST OF CENTRAL CHILE
	17	17	46	32.8%	44.184	N	5.952	E	10	G		0.8	5	FRANCE. ML 2.2 (LDG).
	17	17	55	37.8&	63.511	N	150.718	W	8				26	CENTRAL ALASKA. <AGS-P>.
	17	19	43	58.9?	31.57	S	68.98	W	87	?		0.2	6	SAN JUAN PROVINCE, ARGENTINA
	17	20	37	55.7	6.975	S	147.985	E	67	*	4.2	1.0	17	EAST PAPUA NEW GUINEA REGION
	17	20	43	35.9?	39.43	N	27.74	E	10	G		0.9	4	TURKEY
a	17	21	15	26.0	3.879	N	125.690	E	168	D	5.3	1.2	96	TALAUD ISLANDS
	17	22	32	27.7&	40.273	N	124.683	W	5				9	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
	17	22	38	08.3%	40.185	N	28.656	E	10	G		0.6	6	TURKEY
	17	23	10	25.5&	61.250	N	150.651	W	51				20	SOUTHERN ALASKA. <AGS-P>.
	18	00	22	39.5*	38.299	N	24.967	E	10	G		1.4	6	AEGEAN SEA. ML 3.3 (ATH).
	18	00	31	18.2*	38.327	N	25.094	E	10	G		1.4	6	AEGEAN SEA. ML 2.9 (ATH).
	18	01	11	19.9?	39.49	N	27.67	E	10	G		0.9	7	TURKEY
	18	01	36	04.0*	19.609	S	175.083	W	100	D	4.8	1.4	14	TONGA ISLANDS
a	18	01	44	39.2	21.882	S	170.841	E	116	D	5.0	1.1	75	LOYALTY ISLANDS REGION
	18	03	13	03.4%	39.416	N	27.715	E	10	G		0.8	5	TURKEY
	18	03	32	56.5*	14.772	S	74.431	W	92	*	4.4	1.1	10	PERU. Felt (III) at Ica.
	18	04	05	39.7*	11.163	N	121.962	E	33	N	4.8 4.1	1.4	16	PANAY, PHILIPPINE ISLANDS
a	18	04	25	25.7	4.479	N	125.760	E	207	?	5.1	1.3	61	TALAUD ISLANDS
	18	05	10	35.1	41.332	N	20.090	E	19		3.8	1.3	75	ALBANIA. ML 4.1 (SKO), 3.9 (TTG). Felt (IV) in the Shengjin-Tirana area.
	18	05	59	34.2?	16.75	S	173.26	W	33	N	5.1	1.3	12	TONGA ISLANDS
	18	10	12	04.6*	4.943	N	31.994	E	10	G	4.5	1.6	12	SUDAN. mbLg 4.8 (BUL).
	18	11	10	22.7%	60.290	N	5.360	E	10	G		0.3	7	SOUTHERN NORWAY. MD 1.5 (BER).
	18	11	42	32.3	24.887	N	122.508	E	23	D	4.8	1.4	44	TAIWAN REGION. ML 4.7 (BJI).
	18	13	24	04.2	34.046	N	118.958	W	10	G		0.6	12	SOUTHERN CALIFORNIA. ML 3.0 (NEIS).
	18	13	26	21.3%	39.867	N	29.262	E	10	G		1.2	8	TURKEY
	18	13	58	37.1%	44.387	N	7.395	E	10	G		0.6	7	NORTHERN ITALY. ML 1.9 (GEN).
	18	14	12	06.1*	11.375	N	121.864	E	33	N	4.0	1.5	6	PANAY, PHILIPPINE ISLANDS
	18	14	34	35.7	60.647	N	152.205	W	112	?		0.3	8	SOUTHERN ALASKA

	18	14	45	50.9	40.283	N	25.864	E	10	G			1.0	14	AEGEAN SEA
	18	14	53	31.6&	36.715	N	121.390	W	3					20	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt (IV) at Tres Pinos. Also felt at Hollister.
	18	15	15	53.9?	16.74	S	71.70	W	82	*	3.7		1.6	8	SOUTHERN PERU. Felt (II) at Arequipo.
	18	15	16	57.6	39.229	N	20.612	E	10	G			1.5	14	GREECE-ALBANIA BORDER REGION. ML 3.8 (ATH).
	18	15	49	22.3%	42.840	N	12.649	E	10	G			0.8	5	CENTRAL ITALY
	18	16	45	03.2?	59.82	N	8.12	E	10	G			0.1	4	SOUTHERN NORWAY. MD 1.6 (BER).
	18	16	52	55.2	8.813	S	111.235	E	33	N	5.0		1.0	48	JAVA
	18	17	03	37.2%	45.700	N	26.919	E	49	?			1.0	7	ROMANIA
	18	17	21	39.4&	45.987	N	123.587	W	21					64	WASHINGTON-OREGON BORDER REGION. <SEA>. CL 3.0 (SEA).
	18	18	29	53.0&	62.224	N	151.525	W	89					18	CENTRAL ALASKA. <AGS-P>.
o	18	19	02	57.3	21.825	S	68.438	W	117	D	5.3		1.2	126	CHILE-BOLIVIA BORDER REGION
	18	19	27	08.1	40.511	N	30.562	E	10	G			1.4	14	TURKEY
	18	21	24	36.6*	31.375	S	68.532	W	101	?			1.1	15	SAN JUAN PROVINCE, ARGENTINA
	18	21	52	55.8?	31.59	S	68.83	W	100	G			0.2	5	SAN JUAN PROVINCE, ARGENTINA
	18	22	46	55.5?	24.54	N	46.26	W	10	G	4.3		0.5	6	NORTH ATLANTIC RIDGE
	18	23	10	11.6*	6.909	S	128.154	E	33	N	4.7		1.0	8	BANDA SEA
	18	23	46	22.4?	32.44	S	71.59	W	23				0.4	10	NEAR COAST OF CENTRAL CHILE
	18	23	56	36.8?	49.88	N	18.43	E	10	G			0.5	4	CZECHOSLOVAKIA
	19	01	18	13.4	44.011	N	10.033	E	21				1.3	31	NORTHERN ITALY. ML 2.8 (LDG).
	19	02	41	17.3?	31.32	S	68.53	W	115	?			1.0	13	SAN JUAN PROVINCE, ARGENTINA
	19	02	42	58.6	42.015	N	12.917	E	14				0.9	20	CENTRAL ITALY
	19	04	17	35.3?	24.08	N	122.22	E	5	G			0.3	5	TAIWAN REGION
	19	04	33	40.0?	42.62	N	6.16	E	10	G			0.1	4	WESTERN MEDITERRANEAN SEA. ML 2.3 (LDG).
	19	04	40	22.7?	47.33	N	12.07	E	10	G			1.0	4	AUSTRIA. ML 2.0 (VIE).
	19	06	41	01.4?	37.83	N	0.57	W	5	G			0.7	4	SPAIN. mbLg 2.8 (MDD). Felt (III) at Torrevieja.
	19	08	45	05.4*	10.238	S	110.577	E	33	N	4.7		1.1	24	SOUTH OF JAVA
	19	09	14	28.6?	26.67	N	34.91	E	33	N			0.8	4	RED SEA
	19	09	15	58.5*	62.027	S	55.719	W	10	G	5.1		1.2	11	SOUTHWESTERN ATLANTIC OCEAN
	19	10	20	31.6&	46.840	N	119.322	W	3					40	WASHINGTON. <SEA>. CL 3.3 (SEA).
	19	10	34	43.6*	38.409	S	16.450	W	10	G	5.0	4.3	1.2	40	SOUTH ATLANTIC RIDGE
	19	10	54	11.4?	46.69	N	15.18	E	10	G			0.3	4	YUGOSLAVIA. MD 2.6 (LJU).
	19	10	55	13.5?	12.78	S	74.08	W	33	N			0.9	4	PERU
	19	11	30	25.3	22.558	S	177.795	W	304	*	4.6		1.0	56	SOUTH OF FIJI ISLANDS
	19	14	21	54.7?	16.17	N	98.51	W	33	N	4.1		1.1	8	NEAR COAST OF GUERRERO, MEXICO
	19	14	58	22.5	35.912	N	70.338	E	33	N	4.9	4.8	1.1	37	HINDU KUSH REGION
	19	15	27	01.8?	31.65	S	69.03	W	33	N			0.6	4	SAN JUAN PROVINCE, ARGENTINA
	19	15	39	05.2?	31.22	S	68.13	W	100	G			0.7	6	SAN JUAN PROVINCE, ARGENTINA
	19	15	58	39.6?	18.03	N	101.46	W	33	N			1.1	8	GUERRERO, MEXICO
	19	16	10	25.2?	50.38	N	18.90	E	10	G			0.4	4	POLAND. ML 3.2 (KRA).
	19	16	11	51.7	16.581	N	60 678	W	33	N	3.9		0.9	21	LEEWARD ISLANDS MD 4.1 (TRN). ML 3.7 (FDF).
	19	16	16	15.4*	39.168	N	20.497	E	10	G			1.2	6	GREECE-ALBANIA BORDER REGION
	19	16	29	14.5	42.075	N	12.769	E	16				1.0	25	CENTRAL ITALY
	19	17	20	09.0	45.943	N	83.185	E	33	N	4.6		0.7	24	NORTHERN XINJIANG, CHINA
	19	17	47	00.3	45.809	N	15.774	E	10	G			0.5	6	YUGOSLAVIA. MD 2.7 (LJU).
	19	18	11	23.2	19.740	N	109.209	W	33	N	4.6	4.4	1.3	45	REVILLA GIGEDO ISLANDS REGION. Ms 4.6 (BRK).
a	19	19	07	48.4	21.038	S	178.855	W	612		5.3		0.9	267	FIJI ISLANDS REGION
	19	19	31	13.3?	16.09	N	62.31	W	33	N			0.9	4	LEEWARD ISLANDS. ML 3.0 (FDF).
	19	19	39	39.8*	24.291	N	141.569	E	151	?	4.5		1.0	15	VOLCANO ISLANDS REGION
	19	19	49	38.0%	40.504	N	29.120	E	10	G			0.7	8	TURKEY
	19	20	52	27.0%	39.542	N	28.759	E	10	G			0.8	8	TURKEY
	19	21	06	55.9*	35.054	N	136.600	E	333		4.3		0.3	15	SOUTHERN HONSHU, JAPAN
	19	21	33	03.3	5.892	N	125.429	E	88	D	5.1		1.3	79	MINDANAO, PHILIPPINE ISLANDS
	19	21	37	19.6*	4.098	S	154.098	E	366	*	4.5		0.6	15	SOLOMON ISLANDS
	19	21	48	11.1	42.882	N	1.665	W	28				1.1	55	PYRENEES. ML 3.8 (LDG). mbLg 3.6 (MDD). MD 3.2 (STR). Felt (V) at Pamplona, Spain.
	19	21	50	44.6&	58.533	N	142.822	W	10	G				7	GULF OF ALASKA. <AGS-P>.
	19	21	57	40.0?	31.24	S	68.33	W	100	G			0.7	5	SAN JUAN PROVINCE, ARGENTINA
	19	22	23	46.6*	10.926	N	125.657	E	33	N	4.5		0.5	9	LEYTE, PHILIPPINE ISLANDS
	19	23	41	39.9*	54.512	N	161.937	W	33	N	4.8	5.0	0.9	56	ALASKA PENINSULA. ML 4.2 (PMR). Felt (IV) at Sand Point.
a	19	23	56	09.8*	0.941	N	26.530	W	10	G	4.8	4.9	1.2	45	CENTRAL MID-ATLANTIC RIDGE
	20	00	40	21.1*	27.895	N	127.748	E	138	?	4.4		1.4	14	RYUKYU ISLANDS
	20	01	44	10.3*	8.046	N	38.767	W	10	G	4.6		1.1	13	CENTRAL MID-ATLANTIC RIDGE
	20	01	53	52.7	32.159	S	69.202	W	120	G			0.6	16	MENDOZA PROVINCE, ARGENTINA
	20	04	17	44.2%	23.088	N	121.914	E	12	*			0.4	6	TAIWAN
	20	05	32	21.6?	53.62	N	169.98	E	33	N	4.3		1.0	12	KOMANDORSKY ISLANDS REGION
	20	06	51	39.2	42.128	N	15.641	E	10	G			1.3	20	ADRIATIC SEA. ML 2.5 (LJU).
	20	08	05	23.6*	35.314	N	3.764	W	10	G	3.6		0.9	12	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
	20	08	07	54.8?	33.37	S	71.85	W	33				0.4	10	NEAR COAST OF CENTRAL CHILE
a	20	08	30	26.0	6.931	S	155.656	E	86	*	5.2		1.1	46	SOLOMON ISLANDS
	20	10	59	31.7	47.854	N	7.670	E	10	G			0.5	11	SWITZERLAND. ML 2.7 (LDG). MD 2.3 (STR).
	20	11	19	21.9*	5.567	S	147.438	E	33	N	4.4		1.1	8	EAST PAPUA NEW GUINEA REGION
	20	11	49	29.7*	42.079	N	142.780	E	64	*	4.1		0.9	20	HOKKAIDO, JAPAN REGION
	20	11	49	56.5?	43.82	N	127.23	W	10	G	2.9		0.5	42	OFF COAST OF OREGON
	20	12	31	21.3&	60.483	N	151.991	W	73					28	KENAI PENINSULA, ALASKA. <AGS-P>.
	20	12	41	49.2*	42.606	N	23.993	E	10	G			0.4	6	BULGARIA
	20	12	45	16.6	23.641	N	121.784	E	37	*	4.2		1.3	24	TAIWAN
	20	13	52	31.2	39.221	N	20.519	E	10	G			1.6	16	GREECE-ALBANIA BORDER REGION. ML 3.6 (ATH).
	20	14	53	19.7*	43.997	N	128.144	W	10	G	3.2		0.3	47	OFF COAST OF OREGON
	20	15	17	27.9	1.120	S	126.816	E	24	D	5.6	5.3	1.2	116	MOLUCCA SEA
	20	16	24	22.3?	31.18	S	68.97	W	110	G			1.3	13	SAN JUAN PROVINCE, ARGENTINA
	20	16	24	30.9*	37.967	S	16.897	W	10	G	5.0		1.1	32	SOUTH ATLANTIC RIDGE
	20	18	04	27.4?	41.93	N	15.30	E	10	G			0.7	4	SOUTHERN ITALY
	20	18	42	28.6*	41.115	N	140.489	E	179	*	4.4		1.3	25	HOKKAIDO, JAPAN REGION
	20	18	47	58.9	5.412	N	31.717	E	16	D	5.0	4.2	1.0	71	SUDAN. mbLg 5.2 (BUL).
	20	19	02	43.0?	17.96	S	169.24	E	33	N	4.9		1.0	5	VANUATU ISLANDS
	20	19	23	27.4?	8.02	S	77.47	W	33	N			1.3	5	PERU
	20	20	52	59.0%	60.567	N	5.055	E	10	G			0.4	10	SOUTHERN NORWAY
f	20	21	00	09.9	36.957	N	49.409	E	19	D	6.4	7.7	1.2	352	WESTERN IRAN. Ms 7.7 (BRK), 7.4 (PAS). Mo=2.0*10**20 Nm (PPT). Estimated 40,000 to 50,000 people killed, more than 60,000 injured, 400,000 or more homeless and extensive damage and landslides in the

													Rasht-Qazvin-Zanjan area, Iran. Nearly all buildings were destroyed in the Rudbar-Manjil area. Substantial damage occurred as far away as Khalkhal and Now Shahr and slight damage occurred at Tehran. Felt in most of northwestern Iran, including Arak, Bakhtaran and Tabriz. Slight damage also occurred in southern Azerbaijan, USSR. Felt (VII) at Astra and Lenkaran; (VI) at Dzhibrail, Lerik, Massany and Yardyshny; (III) at Baku, USSR. Complex event, observed on broadband displacement seismograms.
	20	21 24 21.5%	44.234	N	8.244	E	10	G			0.2	6	NORTHERN ITALY. ML 1.5 (GEN).
	20	21 30 12.1?	37.49	N	48.79	E	10	G	4.7		1.1	40	NORTHWESTERN IRAN
	20	21 41 32.4	37.705	N	48.961	E	10	G	4.5		1.0	18	NORTHWESTERN IRAN
	20	22 04 06.9*	36.724	N	49.731	E	10	G	4.6		0.8	22	WESTERN IRAN
	20	22 20 04.9*	37.055	N	49.226	E	10	G	4.6		1.2	11	CASPIAN SEA
	20	22 23 42.6?	37.00	N	49.16	E	10	G	4.4		0.2	6	CASPIAN SEA
	20	22 54 05.2*	31.274	S	68.474	W	110	G			0.4	6	SAN JUAN PROVINCE, ARGENTINA
	20	22 58 51.7	36.825	N	49.473	E	19	D	4.9		1.2	56	WESTERN IRAN
	20	23 00 36.5	36.891	N	49.591	E	15	D	4.9		1.0	37	WESTERN IRAN
	20	23 01 45.3?	2.38	N	98.46	E	115	?	4.0		1.7	5	NORTHERN SUMATERA
	20	23 27 43.8*	36.990	N	50.314	E	10	G	4.7		1.0	18	IRAN
	20	23 33 24.9*	37.100	N	49.736	E	10	G	4.5		1.5	18	CASPIAN SEA
	20	23 48 44.8	36.641	N	49.830	E	16	D	4.7	5.1	1.2	65	WESTERN IRAN
	20	23 55 46.8*	37.420	N	50.006	E	10	G	4.4		1.5	12	CASPIAN SEA
	21	00 12 15.5	42.800	N	12.582	E	10	G			1.3	11	CENTRAL ITALY
	21	00 22 33.4	37.326	N	49.415	E	10	G	4.6		0.8	25	CASPIAN SEA
	21	00 35 51.8*	37.462	N	48.961	E	10	G	4.5		0.6	25	NORTHWESTERN IRAN
	21	00 52 35.3*	36.804	N	49.568	E	10	G	4.8		1.0	68	WESTERN IRAN
	21	00 53 59.4&	61.040	N	150.753	W	39					25	SOUTHERN ALASKA. <AGS-P>.
	21	01 11 18.9?	31.83	S	68.12	W	113	?			0.8	13	SAN JUAN PROVINCE, ARGENTINA
	21	01 16 09.6*	37.369	N	49.357	E	10	G	4.3		1.4	8	CASPIAN SEA
	21	02 08 51.0	36.789	N	49.789	E	10	G	5.4	4.8	1.0	296	WESTERN IRAN
	21	02 11 55.0%	42.846	N	12.850	E	10	G			0.5	6	CENTRAL ITALY
	21	02 18 49.2*	37.424	N	49.799	E	10	G			0.9	5	CASPIAN SEA
	21	02 39 34.3?	44.20	N	3.68	W	10	G			0.8	13	BAY OF BISCAY. ML 2.7 (LDG).
	21	03 00 18.8*	37.092	N	50.117	E	10	G	4.3		0.3	6	CASPIAN SEA
	21	03 10 12.6*	37.578	N	50.195	E	10	G	4.3		1.1	8	CASPIAN SEA
	21	03 28 48.1?	32.68	S	71.76	W	33	N			0.4	10	NEAR COAST OF CENTRAL CHILE
	21	03 32 54.6*	46.002	N	152.085	E	33	N	4.7		0.7	28	KURIL ISLANDS
	21	03 56 11.2	50.739	N	129.922	W	10	G	4.1		0.9	64	VANCOUVER ISLAND REGION
	21	04 40 26.2*	37.508	N	49.630	E	10	G	4	5	0.9	18	CASPIAN SEA
	21	04 49 57.1&	48.838	N	122.153	W	2		3.6			82	WASHINGTON. <SEA>. CL 3.6 (SEA). ML 3.2 (PGC). Felt (III) at Acme and Deming. Also felt at Rockport and Four Corners. Felt mildly at Abbotsford, British Columbia.
	21	04 59 55.2*	16.584	S	175.940	W	427	?	4.4		0.9	25	TONGA ISLANDS
	21	05 35 58.2*	37.146	N	49.882	E	10	G	4.6		1.1	14	CASPIAN SEA
	21	06 19 52.2?	36.05	N	13.59	E	33	N			0.9	11	MEDITERRANEAN SEA
	21	06 40 33.5	5.702	S	149.315	E	166		5.0		0.8	63	NEW BRITAIN REGION
	21	06 49 34.5*	38.456	S	16.449	W	10	G	5.1	4.3	0.9	17	SOUTH ATLANTIC RIDGE
	21	07 22 30.6*	36.401	N	70.941	E	191	*	4.4		0.3	15	HINDU KUSH REGION
	21	07 41 50.1*	29.019	N	130.475	E	33	N	4.6		1.4	28	RYUKYU ISLANDS
	21	07 50 23.0	36.988	N	49.523	E	10	G	4.9	3.6	1.1	34	WESTERN IRAN
a	21	09 02 14.6	36.636	N	49.799	E	15	G	5.8	5.3	1.1	366	WESTERN IRAN. At least 20 people killed and additional damage in the Lawshan-Manjil area. Depth from broadband displacement seismograms.
	21	09 44 30.6*	37.336	N	49.241	E	10	G			1.0	5	CASPIAN SEA
	21	10 06 19.7	4.725	N	126.311	E	94	?	4.8		1.1	27	TALAUD ISLANDS
	21	10 09 46.3*	37.358	N	49.671	E	10	G	4.3		0.5	6	CASPIAN SEA
	21	10 12 06.4?	34.43	S	70.81	W	80	G			0.3	8	CHILE-ARGENTINA BORDER REGION
	21	10 12 25.7	54.017	N	165.449	W	73		4.6		0.9	50	FOX ISLANDS, ALEUTIAN ISLANDS. Felt (IV) at Unalaska.
	21	10 21 35.0?	56.07	S	128.49	W	10	G	5.0		1.4	10	SOUTH PACIFIC CORDILLERA
	21	10 26 07.5&	40.298	N	124.565	W	6					4	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.8 (BRK).
	21	10 39 39.5%	41.796	N	13.288	E	10	G			0.4	12	SOUTHERN ITALY
	21	10 43 20.7&	62.873	N	143.943	W	3					25	CENTRAL ALASKA. <AGS-P>.
	21	10 46 49.0&	33.160	N	115.630	W	1					16	SOUTHERN CALIFORNIA. <SPEC>. Foreshock. Held to mainshock hypocenter.
	21	10 47 21.8&	33.160	N	115.630	W	1					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS), 4.0 (BRK). Felt (III) at Brawley. Felt throughout the Imperial Valley and as far north as Banning.
	21	10 51 15.0&	33.160	N	115.640	W	1					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	21	10 58 59.0&	33.160	N	115.630	W	1					3	SOUTHERN CALIFORNIA. <SPEC>. ML 3.3 (PAS). Held to mainshock hypocenter.
	21	11 03 14.0&	33.160	N	115.630	W	1					2	SOUTHERN CALIFORNIA. <SPEC>. ML 3.3 (PAS). Held to mainshock hypocenter.
	21	11 08 45.9&	33.160	N	115.640	W	1					20	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS).
	21	11 35 29.0&	33.160	N	115.630	W	1					2	SOUTHERN CALIFORNIA. <SPEC>. Held to mainshock hypocenter.
	21	11 36 03.0&	33.160	N	115.630	W	1					4	SOUTHERN CALIFORNIA. <SPEC>. ML 3.7 (PAS). Held to mainshock hypocenter.
	21	12 17 27.5	36.732	N	49.407	E	10	G	5.3	4.2	1.3	82	WESTERN IRAN
a	21	14 37 12.4	17.876	N	122.406	E	33	D	5.2	5.0	1.4	83	LUZON, PHILIPPINE ISLANDS. Felt at Tuguegarao and Laoag.
a	21	15 15 54.0	50.873	N	172.575	W	33	N	5.3	4.7	1.1	222	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak.
	21	16 44 26.1%	40.692	N	22.705	E	10	G			0.7	5	GREECE. ML 1.5 (THE).
	21	16 54 51.1&	39.558	N	122.733	W	22					7	NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK).
	21	17 10 57.6%	35.743	N	99.930	E	10	G			1.7	6	QINGHAI PROVINCE, CHINA. ML 3.4 (BJI)
	21	17 23 03.9?	10.99	N	62.16	W	83	?			0.3	10	NEAR COAST OF VENEZUELA. MD 3.6 (TRN).
	21	17 50 09.9%	43.426	N	5.458	E	10	G			0.4	7	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	21	18 15 00.0&	36.993	N	116.004	W	0		4.0			33	CALIFORNIA-NEVADA BORDER REGION. <DOE>. ML 4.3 (BRK). 36° 59' 34.21" N., 116° 00' 16.18" W., Surface Elev. 1202 m., Depth of Burial 300 m., Shot Time 181500.000, "AUSTIN," Nevada Test Site (Dept. of Energy).

	21	18	22	08	9*	40.343	N	63.326	E	10	G	4.5	1.4	14	UZBEK SSR. Felt (III) at Gazli.
	21	19	38	16	6*	21.551	S	175.185	E	33	N	4.8	1.2	32	SOUTH OF FIJI ISLANDS
	21	19	47	15	8?	30.58	S	69.84	W	130	G		0.9	12	CHILE-ARGENTINA BORDER REGION
	21	19	58	30	6%	41.700	N	13.420	E	10	G		0.4	6	SOUTHERN ITALY
	21	20	15	57	2*	37.449	N	49.081	E	10	G	4.2	1.0	5	CASPIAN SEA
	21	20	19	53	9*	37.022	N	50.108	E	10	G	4.2	1.3	9	CASPIAN SEA
	21	20	27	12	6%	43.408	N	5.447	E	10	G		0.3	7	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	21	20	46	30	9%	40.100	N	22.349	E	10	G		0.6	10	GREECE
	21	21	18	14	1?	51.66	N	7.70	E	10	G		0.4	4	GERMANY. ML 2.6 (GSH). MD 2.6 (UCC).
	21	21	26	29	8	19.134	N	65.376	W	45	*	4.6 3.7	1.0	22	PUERTO RICO REGION
	21	21	27	39	6	36.516	N	49.661	E	10	G	4.9	1.2	80	WESTERN IRAN
	21	21	31	07	7*	36.794	N	49.333	E	10	G	4.8	1.3	20	WESTERN IRAN
	21	22	26	01	3	42.198	N	45.607	E	89	?	4.4	1.4	49	EASTERN CAUCASUS
	21	22	46	31	0	26.985	N	126.914	E	140	*	5.0	1.1	86	RYUKYU ISLANDS
	21	23	13	07	8?	37.29	N	49.64	E	10	G	4.5	0.8	4	CASPIAN SEA
	22	00	58	30	8*	35.877	N	23.345	E	10	G		1.4	7	CRETE. ML 3.4 (ATH).
	22	01	51	26	8%	47.073	N	0.923	E	10	G		1.2	15	FRANCE. ML 3.0 (LDG).
	22	02	06	46	6&	60.028	N	153.415	W	177				20	SOUTHERN ALASKA. <AGS-P>.
	22	03	10	27	5	34.156	N	26.686	E	68	?	3.9	1.3	18	CRETE. MD 4.1 (HLW).
	22	03	24	03	0	40.127	N	21.201	E	10	G		0.8	15	GREECE. ML 2.5 (THE).
	22	03	32	48	1*	37.078	N	49.730	E	10	G	4.7	0.7	8	CASPIAN SEA
	22	05	14	04	9&	60.454	N	143.181	W	9				14	SOUTHERN ALASKA. <AGS-P>.
	22	05	19	18	4&	38.952	N	111.425	W	0				3	UTAH. <SLC-P>. CL 2.9 (SLC).
	22	05	57	29	2	41.813	N	22.727	E	5	G		1.4	12	YUGOSLAVIA. ML 2.3 (THE).
	22	06	01	37	3*	19.310	S	70.077	W	129	?	4.5	0.9	8	NEAR COAST OF NORTHERN CHILE
	22	06	07	50	1	37.257	N	48.854	E	10	G	4.6 4.6	1.5	41	NORTHWESTERN IRAN
	22	06	21	51	5*	36.827	N	49.359	E	10	G	4.9	0.6	11	WESTERN IRAN
	22	07	13	30	5*	17.442	N	61.137	W	33	N	4.0	0.9	15	LEEWARD ISLANDS. ML 3.8 (FDF). MD 3.8 (TRN).
	22	07	22	28	3*	51.235	N	15.699	E	5	G		1.1	11	POLAND. ML 3.7 (VKA).
	22	07	35	48	5&	59.913	N	153.260	W	122		3.4		38	SOUTHERN ALASKA. <AGS-P>.
a	22	07	43	36	2	14.558	S	167.887	E	33	N	5.1	1.1	175	VANUATU ISLANDS
	22	07	44	23	5*	14.676	S	167.832	E	33	N	5.2 5.3	1.3	42	VANUATU ISLANDS. Ms 5.5 (BRK).
	22	09	22	40	2*	8.971	S	117.833	E	71	?	5.2	1.1	14	SUMBAWA ISLAND REGION
	22	09	35	36	6*	14.769	S	168.043	E	33	N	4.9	1.4	15	VANUATU ISLANDS
	22	09	55	00	4*	31.640	S	68.777	W	10	G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
	22	10	20	09	1%	44.157	N	8.190	E	10	G		0.3	6	NORTHERN ITALY. ML 1.5 (GEN).
	22	10	31	04	0?	40.05	N	21.36	E	10	G		0.4	4	GREECE. ML 2.6 (THE).
a	22	11	48	45	5	19.648	S	69.128	W	103	D	5.3	1.0	138	NORTHERN CHILE. Felt (IV) at Arica. Felt (IV) at Tacna, Peru.
	22	12	00	18	8&	60.059	N	153.462	W	145				40	SOUTHERN ALASKA. <AGS-P>.
	22	13	56	11	8*	36.991	N	50.107	E	10	G	4.0	1.0	6	IRAN
	22	15	04	37	9?	5.74	S	146.65	E	230	*	4.9	0.8	9	EAST PAPUA NEW GUINEA REGION
	22	15	25	54	9?	5.58	S	104.97	E	105	?	4.8	1.3	14	SOUTHERN SUMATERA
	22	16	18	22	0*	26.701	N	127.828	E	33	N	4.4	0.3	8	RYUKYU ISLANDS. Felt at Naha and Naga, Okinawa.
	22	16	49	17	2*	45.563	N	14.815	E	10	G		1.3	6	YUGOSLAVIA. MD 2.3 (LJU).
	22	17	22	16	9*	38.532	N	15.476	E	200	*	3.8	0.8	15	SICILY
	22	17	54	44	4*	37.274	N	49.735	E	10	G	4.1	0.5	5	CASPIAN SEA
	22	19	04	25	3*	37.320	N	49.576	E	10	G	4.1	0.5	5	CASPIAN SEA
	22	19	56	20	3	14.659	S	167.909	E	40	*	5.4 5.1	1.1	142	VANUATU ISLANDS
	22	20	06	33	3	14.688	S	167.886	E	33	N	5.2	1.1	85	VANUATU ISLANDS
	22	20	39	28	6	41.591	N	20.865	E	10	G		1.0	34	ALBANIA. ML 3.2 (THE). MD 3.1 (TTG).
	22	20	49	27	0	38.300	N	21.857	E	10	G		1.1	8	GREECE. MD 3.0 (ATH). ML 2.7 (THE).
a	22	21	16	52	6	11.915	N	85.798	W	28	D	5.0 4.6	1.1	76	NICARAGUA. MD 5.1 (HDC).
	22	21	20	06	5*	37.341	N	49.496	E	10	G	4.4	0.3	5	CASPIAN SEA. Felt at Rasht, Iran.
a	22	21	20	43	5	14.640	S	167.934	E	19	D	5.6 5.3	1.0	187	VANUATU ISLANDS
	22	21	48	43	1*	14.566	S	168.034	E	33	N	4.7	1.4	19	VANUATU ISLANDS
a	22	21	49	08	6	14.607	S	167.939	E	22	D	5.7 5.4	1.0	244	VANUATU ISLANDS. Ms 5.6 (BRK).
	22	23	00	08	9	1.670	N	127.238	E	140	*	5.1	0.9	60	HALMAHERA
	23	00	20	02	9?	31.45	S	178.91	E	456	?	4.1	1.5	7	KERMADEC ISLANDS REGION
	23	00	29	11	6*	31.435	S	69.020	W	125	?		0.9	13	SAN JUAN PROVINCE, ARGENTINA
	23	00	37	57	1*	37.365	N	50.087	E	10	G	4.4	1.0	5	CASPIAN SEA. Felt at Rudbar.
	23	01	00	23	0?	27.98	S	66.74	W	200	G		1.2	7	CATAMARCA PROVINCE, ARGENTINA
	23	01	39	43	8	39.164	N	20.560	E	10	G		0.8	21	GREECE-ALBANIA BORDER REGION. MD 3.5 (ATH). ML 2.8 (THE).
	23	02	49	39	6%	46.403	N	3.472	E	10	G		0.2	8	FRANCE. ML 1.6 (LDG).
	23	02	57	19	1*	5.872	S	151.177	E	64	*	4.3	0.9	7	NEW BRITAIN REGION
	23	03	22	00	7*	14.849	S	66.030	E	10	G	4.9	0.8	22	MID-INDIAN RISE
	23	03	55	20	9*	16.456	N	61.649	W	126	?		0.5	11	LEEWARD ISLANDS
	23	04	27	42	4?	62.87	S	157.84	W	10	G	4.9	1.1	8	SOUTH PACIFIC CORDILLERA
a	23	05	01	44	5	0.611	S	146.473	E	24	G	5.9 6.0	1.0	287	ADMIRALTY ISLANDS REGION. Ms 5.8 (BRK), 5.6 (PAS). Depth from broadband displacement seismograms.
	23	05	31	21	3	21.037	S	173.902	E	33	N	5.1 5.3	1.2	62	VANUATU ISLANDS REGION
	23	05	45	39	8?	16.12	S	74.39	W	10	G		1.0	8	NEAR COAST OF PERU
	23	06	02	37	9%	37.899	N	4.083	W	10	G		0.8	6	SPAIN. mbLg 2.8 (MDD).
	23	06	32	03	9	6.828	N	72.989	W	156		5.2	0.9	106	NORTHERN COLOMBIA. Felt at Bucaramanga.
	23	06	35	52	9	59.939	N	141.702	W	10	G	3.7	0.8	33	SOUTHEASTERN ALASKA. ML 4.4 (PMR).
	23	06	57	03	7	40.813	N	27.909	E	10	G		1.0	14	TURKEY
	23	06	57	49	5	40.775	N	27.979	E	10	G		0.9	9	TURKEY
	23	06	59	31	3%	40.779	N	27.976	E	10	G		0.3	8	TURKEY
	23	07	30	49	0%	40.781	N	27.949	E	10	G		0.3	5	TURKEY
	23	07	30	53	2	32.657	S	70.392	W	88	*		0.5	16	CHILE-ARGENTINA BORDER REGION
	23	08	59	01	3*	30.866	S	69.118	W	33	N		0.6	6	CHILE-ARGENTINA BORDER REGION
	23	09	14	55	1%	39.667	N	29.416	E	10	G		0.9	5	TURKEY
	23	09	52	22	1%	40.794	N	27.928	E	10	G		0.5	7	TURKEY
	23	10	29	13	8%	44.864	N	26.418	E	10	G		1.1	7	ROMANIA
	23	10	32	20	5	44.307	N	7.218	E	10	G		0.3	17	NORTHERN ITALY. ML 2.3 (LDG), 2.1 (GEN).
	23	10	41	08	2*	37.129	N	49.725	E	10	G	4.6	1.1	5	CASPIAN SEA
	23	10	51	21	9?	2.24	N	97.29	E	33	N	3.7	0.8	5	NORTHERN SUMATERA
	23	10	57	04	8*	33.765	S	71.852	W	33	N		0.6	14	NEAR COAST OF CENTRAL CHILE
	23	11	03	44	3%	40.836	N	27.934	E	10	G		1.0	5	TURKEY
	23	11	14	13	9	40.767	N	27.993	E	10	G		0.7	9	TURKEY
	23	11	24	28	9	40.786	N	27.941	E	14			0.8	10	TURKEY
	23	11	29	08	3%	40.755	N	27.946	E	10	G		0.7	5	TURKEY

	23	12	24	55.6	40.806	N	27.923	E	10	G		0.7	15	TURKEY
	23	13	15	57.7&	61.826	N	150.670	W	54				22	SOUTHERN ALASKA. <AGS-P>.
	23	13	17	55.3	0.810	N	123.115	E	39	*	5.1 3.7	1.1	52	MINAHASSA PENINSULA
	23	13	57	21.5*	22.294	S	175.048	E	33	N	5.0 4.4	1.6	17	SOUTH OF FIJI ISLANDS
	23	14	10	43.1	39.032	N	22.249	E	21		4.0 3.1	1.1	50	GREECE ML 3.6 (THE), 3.6 (TTG), 3.5 (ATH).
	23	14	25	42.4	38.984	N	22.255	E	10	G		0.8	16	GREECE. ML 3.1 (ATH), 2.3 (THE).
	23	14	33	42.1	41.586	N	23.783	E	10	G		1.3	15	GREECE-BULGARIA BORDER REGION. ML 2.9 (THE).
	23	14	46	35.6	14.556	S	167.937	E	33	N	5.4 5.0	1.1	114	VANUATU ISLANDS
	23	14	48	45.8*	37.335	N	48.945	E	10	G	4.2	1.3	10	NORTHWESTERN IRAN
	23	14	49	29.4?	42.22	N	7.44	W	10	G		0.6	4	SPAIN. mbLg 2.7 (MDD).
	23	15	30	08.2&	51.114	N	124.410	W	5	G			41	BRITISH COLUMBIA. <PGC>. ML 3.0 (PGC). Second event, ML 2.9, occurred about 19 seconds later (PGC).
	23	15	53	07.9?	18.46	N	65.74	W	33	N		0.1	5	PUERTO RICO REGION
	23	16	35	13.6	6.806	N	72.949	W	159		4.7	0.7	21	NORTHERN COLOMBIA
	23	16	39	56.8	36.434	N	27.330	E	33	N		0.9	7	DODECANESE ISLANDS
	23	16	40	33.3	38.570	N	24.649	E	33	N		0.9	15	AEGEAN SEA. ML 3.4 (ATH).
	23	16	51	32.0	37.169	N	49.922	E	10	G	4.5	0.9	18	CASPIAN SEA
	23	17	40	33.7	15.033	N	60.399	W	33	N		0.3	19	LEEWARD ISLANDS. ML 3.7 (FDF). MD 3.6 (TRN). Felt (II) on Martinique.
	23	17	46	53.5*	17.409	S	174.495	W	231	?	4.4	0.5	16	TONGA ISLANDS
	23	18	04	29.9&	41.907	N	112.402	W	10				5	UTAH. <SLC-P>. ML 2.7 (SLC).
	23	18	11	34.5&	41.903	N	112.405	W	8				4	UTAH. <SLC-P>. ML 2.3 (SLC).
	23	18	31	31.0&	41.909	N	112.403	W	10				4	UTAH. <SLC-P>. ML 2.4 (SLC).
	23	18	45	22.6?	37.09	N	50.26	E	10	G	4.3	0.2	4	CASPIAN SEA
	23	18	53	27.9	37.840	N	22.994	E	10	G		1.2	7	SOUTHERN GREECE. ML 2.6 (ATH).
	23	19	45	43.8*	28.401	N	140.068	E	444	*	4.2	0.6	19	BONIN ISLANDS REGION
	23	20	21	12.1*	32.103	N	131.114	E	117	*	4.4	1.1	10	KYUSHU, JAPAN
	23	20	52	58.7%	40.812	N	28.009	E	10	G		0.3	7	TURKEY
	23	21	20	58.0*	7.340	N	77.894	W	33	N		1.4	10	PANAMA-COLOMBIA BORDER REGION
f	23	21	38	18.7	21.568	S	176.483	W	181	G	6.4	1.0	537	FIJI ISLANDS REGION. mb 6.5 (BRK), 6.4 (PAS). Mo=5.0*10**19 Nm (PPT). Depth from broadband displacement seismograms.
	23	23	07	31.6*	13.384	S	166.281	E	79	*	4.9	1.2	62	VANUATU ISLANDS
	23	23	35	00.6	36.452	N	70.578	E	205		4.7	1.0	139	HINDU KUSH REGION
	23	23	35	25.7?	12.68	S	168.07	E	114	?	4.0	1.4	8	SANTA CRUZ ISLANDS REGION
	24	00	10	08.1*	36.918	N	70.882	E	33	N	4.1	1.6	9	HINDU KUSH REGION
	24	00	29	11.3	2.479	S	139.716	E	24	D	5.1 4.7	1.3	70	NEAR N. COAST OF WEST IRIAN
	24	00	49	33.5&	41.908	N	112.405	W	8				4	UTAH. <SLC-P>. ML 2.3 (SLC).
	24	01	13	29.7*	37.259	N	72.327	E	33	N	4.5 3.8	0.4	8	TAJIK SSR. Felt (III) at Khorog.
	24	01	27	43.7&	41.897	N	112.399	W	8				10	UTAH. <SLC-P>. ML 3.1 (SLC).
	24	02	35	15.6*	22.767	N	93.859	E	88	*	4.3	0.7	9	BURMA-INDIA BORDER REGION
	24	03	00	34.7&	41.902	N	112.400	W	8				5	UTAH. <SLC-P>. ML 2.6 (SLC).
	24	03	33	31.3*	40.168	N	21.912	E	10	G		0.4	8	GREECE. ML 2.2 (THE).
	24	03	47	32.6%	15.586	N	60.475	W	33	N		0.2	9	LEEWARD ISLANDS. ML 2.8 (FDF).
	24	04	12	57.4	39.199	N	20.505	E	10	G		0.8	11	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH). ML 2.7 (THE).
	24	04	47	53.7	38.142	N	23.466	E	31		3.8	0.9	40	GREECE. MD 3.6 (ATH). ML 3.5 (THE).
	24	05	08	44.1	32.400	N	49.978	E	33	N	4.5 4.3	1.1	102	WESTERN IRAN. Felt in the Forsan area.
	24	05	29	26.6	0.483	N	122.389	E	153	*	5.1	1.1	46	MINAHASSA PENINSULA
	24	05	37	14.0	44.714	N	13.406	E	10	G		0.6	14	ADRIATIC SEA. ML 3.2 (VIE). MD 2.7 (TRI).
	24	05	38	30.0	44.793	N	13.254	E	10	G		0.6	12	ADRIATIC SEA. ML 3.0 (VIE). MD 2.5 (TRI).
	24	05	45	56.4?	31.74	S	69.21	W	100	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	24	05	52	30.7	43.097	N	10.713	E	6			1.2	54	CENTRAL ITALY. MD 3.1 (ROM). ML 3.1 (LDG).
	24	06	10	37.7	37.519	N	20.622	E	10	G	3.7	1.0	19	IONIAN SEA. ML 3.6 (ATH), 3.3 (THE).
	24	06	51	27.8?	34.16	S	179.20	W	344	?	3.2	0.9	22	SOUTH OF KERMADEC ISLANDS
	24	07	19	02.1&	41.905	N	112.404	W	8				5	UTAH. <SLC-P>. ML 2.4 (SLC).
	24	07	20	56.2?	30.77	S	118.06	E	10	G		1.0	4	WESTERN AUSTRALIA
	24	08	01	55.0%	39.679	N	29.537	E	10	G		0.5	5	TURKEY
	24	08	22	11.8*	37.131	N	50.028	E	10	G	4.4	1.6	8	CASPIAN SEA
o	24	08	35	24.9	21.610	S	176.502	W	193	D	5.6	1.0	299	FIJI ISLANDS REGION
	24	08	51	54.9*	8.904	S	119.515	E	196	?	4.5	1.5	9	FLORES ISLAND REGION
o	24	09	45	57.0	36.863	N	49.405	E	10	G	5.1 4.7	1.0	232	WESTERN IRAN. Felt in Gilan Province. Additional landslides in the Rostamabad area blocked the Rasht-Rudbar road.
	24	10	48	40.3?	18.16	N	67.57	W	10	G		0.2	5	MONA PASSAGE
	24	11	27	16.6?	39.31	N	27.75	E	10	G		0.8	5	TURKEY
	24	11	37	00.8*	44.052	N	149.171	E	33	N	4.8 3.7	1.2	19	KURIL ISLANDS
	24	11	58	04.9*	17.699	S	27.604	E	10	G	4.4	1.3	13	ZIMBABWE. mbLg 4.0 (BUL).
	24	12	16	31.8	6.810	N	72.967	W	167		4.7	0.9	75	NORTHERN COLOMBIA
	24	12	24	06.4*	16.957	N	61.555	W	10	G		0.5	7	LEEWARD ISLANDS. ML 2.6 (FDF).
	24	12	46	42.0*	14.215	S	74.471	W	10	G		0.8	8	PERU
	24	13	02	18.5%	39.353	N	29.198	E	10	G		0.9	7	TURKEY
	24	15	10	28.6&	64.045	N	148.102	W	12				17	CENTRAL ALASKA. <AGS-P>.
	24	15	25	42.7?	29.71	S	68.22	W	100	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	24	15	25	55.7%	39.581	N	29.038	E	10	G		0.3	9	TURKEY
	24	16	04	03.8%	47.028	N	1.444	E	10	G		1.0	10	FRANCE. ML 2.3 (LDG).
	24	18	02	28.8?	15.22	S	74.52	W	33	N		0.6	5	NEAR COAST OF PERU
	24	18	22	23.8%	45.015	N	10.276	E	10	G		0.6	5	NORTHERN ITALY
	24	19	05	21.4	37.222	N	49.647	E	10	G	4.8	1.0	14	CASPIAN SEA
	24	19	05	23.6	38.721	N	27.371	E	10	G		0.4	8	TURKEY
	24	19	12	03.5*	41.410	N	23.416	E	10	G		0.6	6	GREECE-BULGARIA BORDER REGION. ML 1.1 (THE).
	24	19	34	05.0	32.442	N	49.898	E	33	N	4.5	1.1	32	WESTERN IRAN. Felt at Farsan.
	24	19	34	36.0	44.601	N	7.287	E	5	G		0.5	14	NORTHERN ITALY. ML 2.0 (LDG), 2.0 (GEN).
	24	20	02	21.9?	31.23	S	68.43	W	93	?		0.5	5	SAN JUAN PROVINCE, ARGENTINA
	24	20	15	11.7%	40.940	N	22.569	E	10	G		0.4	5	GREECE. ML 1.0 (THE).
	24	20	17	37.6	46.065	N	14.266	E	10	G		1.2	6	YUGOSLAVIA. ML 2.3 (LJU).
	24	20	54	58.9%	30.509	S	116.894	E	10	G		1.3	5	WESTERN AUSTRALIA
	24	21	09	08.8%	38.783	N	27.439	E	10	G		0.7	7	TURKEY
	24	21	17	46.3&	62.033	N	149.809	W	42				55	CENTRAL ALASKA. <AGS-P>. ML 3.8 (PMR). Felt (III) at Willow.
	24	21	31	24.3*	38.473	N	100.096	E	33	N	4.3	1.3	9	GANSU PROVINCE, CHINA. ML 4.7 (BJI).
	24	23	02	27.1*	38.146	N	15.011	E	152	?		0.8	13	SICILY
	24	23	06	23.6	21.537	S	68.669	W	131	*	4.5	1.1	20	CHILE-BOLIVIA BORDER REGION

	25	00	01	16.1	40.334	N	22.066	E	10	G			0.8	11	GREECE. ML 2.2 (THE).
	25	00	34	02.5%	37.721	N	29.179	E	10	G			1.5	9	TURKEY
	25	00	42	30.4	38.248	N	140.780	E	114		4.0		0.6	15	HONSHU, JAPAN
	25	00	57	32.2*	38.593	N	27 428	E	10	G			1.1	7	TURKEY
	25	01	20	01.5?	42.22	N	6.91	W	10	G			0.2	4	SPAIN. mbLg 2.6 (MDD).
	25	01	57	57.1	42.474	N	19.036	E	7				1.4	16	YUGOSLAVIA. MD 2.7 (TTG). Felt (III) at Titograd.
	25	02	40	27.4*	41.427	N	23.383	E	10	G			0.4	10	GREECE-BULGARIA BORDER REGION. ML 2.5 (THE).
	25	02	44	08.2*	38.652	N	27.473	E	10	G			1.3	9	TURKEY
	25	02	52	19.4*	6.224	S	76.136	W	33	N	4.8		1.0	8	NORTHERN PERU
	25	03	02	53.6	43.182	N	12.813	E	10	G			0.5	11	CENTRAL ITALY
	25	03	03	12.4?	45.81	N	26.66	E	90	G			1.1	6	ROMANIA
	25	03	20	01.4	45.215	N	7.243	E	10	G			0.8	22	NORTHERN ITALY. ML 2.7 (LDG), 2.5 (GEN).
	25	04	05	25.2%	40.453	N	15.570	E	10	G			0.5	10	SOUTHERN ITALY
	25	04	12	06.4*	5.256	S	79.235	W	33	N	4.4		1.5	19	NORTHERN PERU
	25	04	16	35.9	42.486	N	19.070	E	10	G			0.6	8	YUGOSLAVIA. MD 2.2 (TTG).
	25	05	04	45.2?	44.17	N	8.56	E	10	G			0.4	4	NORTHERN ITALY. ML 1.8 (GEN).
	25	05	16	25.0*	40.432	N	21.540	E	10	G			0.3	5	GREECE. ML 2.5 (THE), 2.5 (SKO).
	25	05	45	56.0?	36.51	N	28.23	E	33	N			0.6	5	DODECANESE ISLANDS
	25	06	34	51.4	43.186	N	0.113	E	5	G			1.1	22	FRANCE. ML 3.4 (LDG). Felt (III) at Bagneres de Bigorre and (II) at Campan.
	25	06	43	34.7&	38.385	N	118.332	W	22					24	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.7 (BRK). Felt (III) at Mina, Nevada.
	25	06	48	49.8	42.925	N	18.354	E	10	G			1.1	14	YUGOSLAVIA. ML 3.0 (TTG).
a	25	07	19	05.1	56.115	N	164.572	E	31	D	5.0	4.9	1.2	106	KOMANDORSKY ISLANDS REGION
	25	07	25	41.2&	41.083	N	110.364	W	1					2	WYOMING. <SLC-P>. ML 2.1 (SLC).
	25	07	39	10.3?	41.15	N	28.72	E	10	G			0.1	4	TURKEY
	25	11	21	43.3?	14.08	S	75.63	W	33	N			1.1	6	NEAR COAST OF PERU
	25	12	16	03.3?	12.52	S	121.41	E	33	N	4.1		1.2	9	SOUTH OF TIMOR
	25	13	03	33.1*	1.369	N	122.877	E	58	?	4.6		1.3	10	MINAHASSA PENINSULA
	25	13	50	19.6%	44.418	N	7.403	E	10	G			0.2	5	NORTHERN ITALY. ML 1.6 (GEN).
	25	13	59	34.2&	32.330	N	115.310	W	5					4	CALIFORNIA-MEXICO BORDER REGION. <ECX>. MD 2.7 (ECX).
	25	14	02	11.6?	31.03	S	68.10	W	33	N			1.5	6	SAN JUAN PROVINCE, ARGENTINA
	25	14	34	18.2	50.226	N	176.897	E	33	N	4.6		1.0	49	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.9 (PMR).
	25	15	22	28.9?	32.14	S	68.98	W	100	G			0.2	6	MENDOZA PROVINCE, ARGENTINA
	25	16	14	49.3	42.530	N	19.153	E	10	G			1.0	16	YUGOSLAVIA. MD 2.7 (TTG). Felt (III) at Danilovgrad and Titograd.
	25	17	15	33.5&	38.952	N	110.828	W	12					3	UTAH. <SLC-P>. CL 3.0 (SLC).
	25	17	28	02.2	20.378	S	68.898	W	137	*	4.8		1.2	14	CHILE-BOLIVIA BORDER REGION
	25	17	35	02.9%	17.437	N	94.606	W	122	?			1.5	8	CHIAPAS, MEXICO
	25	17	51	46.4?	41.25	N	29.34	E	10	G			0.6	4	TURKEY
	25	18	02	59.6*	33.112	S	67.092	W	13				0.4	9	MENDOZA PROVINCE, ARGENTINA
	25	18	34	59.3?	1.45	S	77.93	W	193	?	4.5		0.8	13	ECUADOR
	25	18	39	57.4?	22.69	N	121.00	E	10	G			1.1	6	TAIWAN REGION
	25	19	06	23.3?	20.61	S	178.51	W	548	?	5.0		1.4	22	FIJI ISLANDS REGION
a	25	19	53	39.5	3.458	S	131.000	E	34	*	5.3	4.9	1.1	82	CERAM
	25	20	29	31.0*	3.437	S	131.130	E	33	N	4.1		1.3	6	WEST IRIAN REGION
	25	20	50	34.4*	37.124	N	72.558	E	33	N	4.4		0.9	6	TAJIK SSR
	25	21	04	47.7*	7.070	S	129.737	E	161	*	4.9		1.4	17	BANDA SEA
	25	21	21	23.4?	40.66	N	29.77	E	10	G			0.1	4	TURKEY
	25	21	26	38.6&	40.323	N	124.512	W	21					10	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	25	21	41	08.8*	14.933	S	177.394	W	429	?	4.4		0.8	31	FIJI ISLANDS REGION
	25	22	06	59.6&	41.901	N	112.406	W	6					7	UTAH. <SLC-P>. ML 3.4 (SLC). Felt in the epicentral area.
	25	22	46	28.6*	4.452	N	127.396	E	136	?	5.0		0.7	16	TALAUD ISLANDS
	26	00	04	12.0	18.785	S	169.206	E	253		4.9		0.9	60	VANUATU ISLANDS
	26	00	53	55.1	3.390	S	100.799	E	58	*	5.4	4.7	1.1	68	SOUTHERN SUMATERA
	26	01	39	51.9*	36.603	N	71.043	E	186	?	4.5		1.0	17	AFGHANISTAN-USSR BORDER REGION
	26	01	46	18.7*	47.057	N	1.372	E	10	G			0.5	7	FRANCE. ML 1.9 (LDG).
	26	01	57	26.5%	43.111	N	0.655	W	10	G			0.2	7	PYRENEES. MD 1.0 (STR).
a	26	02	36	21.7	1.158	N	122.980	E	31	?	5.1	4.4	1.3	44	MINAHASSA PENINSULA
	26	03	03	27.9%	53.188	N	4.913	W	10	G			1.2	5	UNITED KINGDOM
	26	03	12	59.4*	41.269	N	29.364	E	12				0.6	8	TURKEY
	26	03	24	58.1?	14.99	S	173.67	W	33	N	4.9		0.9	22	SAMOA ISLANDS REGION
	26	04	20	14.3?	39.27	N	23.75	E	10	G			1.4	6	AEGEAN SEA
	26	04	21	27.8?	18.39	N	67.10	W	10	G			0.2	5	MONA PASSAGE
	26	04	40	14.7	34.464	N	140.226	E	72	D	4.4		1.1	29	NEAR EAST COAST OF HONSHU, JAPAN
	26	04	48	13.9	37.323	N	29.234	E	29		4.1		1.0	72	TURKEY. ML 4.4 (ATH).
	26	04	59	01.4	28.542	N	59.065	E	33	N	4.9	4.8	1.4	87	SOUTHERN IRAN. Felt at Bam.
	26	07	14	20.3	4.552	N	95.238	E	60	D	5.0		1.0	101	NORTHERN SUMATERA
	26	07	42	50.8?	38.61	N	22.47	E	33	N			0.2	6	GREECE. ML 2.4 (THE).
	26	07	54	17.7	45.801	N	26.808	E	114	*	3.6		0.9	22	ROMANIA
	26	09	18	08.2*	43.976	N	87.107	E	33	N	4.4		1.1	8	NORTHERN XINJIANG, CHINA
	26	09	24	10.4	37.357	N	48.831	E	10	G	4.4	3.5	1.3	20	NORTHWESTERN IRAN
	26	09	59	02.1?	51.37	N	16.79	E	33	N			1.1	4	POLAND
	26	11	06	52.0?	48.23	N	154.36	E	33	N	4.5		0.5	16	KURIL ISLANDS
f	26	12	08	29.3	22.015	S	179.473	W	587	G	6.0		1.0	406	SOUTH OF FIJI ISLANDS. mb 5.8 (PAS), 5.6 (BRK). Depth from broadband displacement seismograms.
	26	15	33	12.8%	43.070	N	0.548	W	10	G			0.4	5	PYRENEES. MD 1.0 (STR).
	26	17	34	57.4&	60.109	N	152.948	W	125					33	SOUTHERN ALASKA. <AGS-P>.
	26	17	59	58.2	22.215	S	138.841	W	0	G	5.5	4.2	0.9	145	TUAMOTU ARCHIPELAGO REGION
	26	18	23	37.1*	36.190	N	29.147	E	13				1.3	9	TURKEY
	26	18	34	32.9*	35.522	N	23.577	E	10	G			1.3	5	CRETE
	26	18	41	23.2?	22.74	N	121.43	E	10	G			1.1	5	TAIWAN REGION
	26	18	46	44.8%	41.115	N	28.950	E	5	G			0.2	6	TURKEY
	26	18	49	05.4&	62.713	N	150.828	W	85					21	CENTRAL ALASKA. <AGS-P>.
	26	19	03	10.3	36.895	N	50.069	E	10	G	4.2		0.9	10	IRAN. Felt at Lowshan, Manjil, Rasht and Rudbar.
	26	19	55	05.3*	7.414	S	128.780	E	187	?	3.7		0.6	6	BANDA SEA
	26	20	30	42.9*	19.288	S	126.898	E	10	G			1.4	5	WESTERN AUSTRALIA
	26	20	37	24.8%	60.913	N	6.786	E	10	G			0.4	9	SOUTHERN NORWAY. MD 2.0 (BER).
	26	21	24	37.4*	4.170	S	136.019	E	33	N	5.1		1.2	11	WEST IRIAN REGION
a	26	21	54	45.7	34.858	N	138.990	E	150		5.2		1.0	277	NEAR S. COAST OF HONSHU, JAPAN
	26	22	06	06.6?	37.88	N	25.60	E	33	N			0.5	8	DODECANESE ISLANDS. ML 2.0 (THE).
	26	23	34	38.8	16.447	S	176.314	W	391		4.6		0.7	40	FIJI ISLANDS REGION

	27	00	49	30.6%	43.557	N	12.577	E	10	G			0.4	6	CENTRAL ITALY
	27	01	14	39.7&	63.136	N	150 617	W	121					39	CENTRAL ALASKA. <AGS-P>.
	27	01	18	28.8	0.120	N	123.556	E	181	*	4.8		1.1	25	MINAHASSA PENINSULA
a	27	02	00	45.8	52.364	N	173.953	W	33	N	4.9	5.1	1.2	117	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.1 (PMR). Ms 5.0 (BRK). Felt (IV) on Adok and Atka.
	27	02	57	08.5	40.251	N	25.145	E	6				0.8	11	AEGEAN SEA. ML 3.0 (THE).
	27	03	13	52.7?	20.77	S	68.47	W	124	?	4.1		0.2	5	CHILE-BOLIVIA BORDER REGION
	27	03	56	20.5	37.007	N	49.785	E	10	G	4.8		1.0	103	CASPIAN SEA
a	27	05	10	13.4	21.734	S	176.451	W	189	D	5.1		1.2	103	FIJI ISLANDS REGION
	27	05	27	06.8?	2.73	S	79.71	W	10	G			1.2	8	NEAR COAST OF ECUADOR
	27	05	55	39.9*	34.653	N	26.243	E	10	G			1.6	5	CRETE
	27	06	00	32.7?	31.48	S	65.88	W	126	?			0.4	10	CORDOBA PROVINCE, ARGENTINA
	27	06	13	09.0%	45.426	N	6.594	E	10	G			0.3	11	FRANCE. ML 2.4 (GEN).
	27	07	04	29.5?	31.68	S	68.96	W	120	G			1.0	6	SAN JUAN PROVINCE, ARGENTINA
	27	07	30	47.4?	43.60	N	7.66	E	10	G			0.5	6	NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN).
	27	08	53	39.5&	62.510	N	151.323	W	94					43	CENTRAL ALASKA. <AGS-P>.
	27	09	06	09.0%	36.682	N	6.128	W	10	G			1.3	8	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD). Felt (III) at Jerez and Puerto Santa Maria, Spain.
	27	09	08	02.2*	32.611	S	69.821	W	10	G			1.2	7	MENDOZA PROVINCE, ARGENTINA
	27	09	20	37.4	51.414	N	178.883	E	42	D	4.6		0.9	40	RAT ISLANDS, ALEUTIAN ISLANDS
	27	12	07	56.8*	25.146	S	177.373	W	143	?	4.9		0.9	34	SOUTH OF FIJI ISLANDS
	27	12	17	22.3*	17.046	N	95.057	W	33	N			1.2	7	OAXACA, MEXICO. Felt on the Isthmus of Tehuantepec.
	27	13	04	09.0*	48.555	N	8.241	E	10	G			0.3	5	GERMANY. MD 2.2 (STR).
	27	15	47	53.6&	63.256	N	150.488	W	9					11	CENTRAL ALASKA. <AGS-P>.
	27	15	52	50.1&	36.652	N	121.288	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	27	16	20	32.6*	18.711	N	66.745	W	75	*			1.0	16	PUERTO RICO REGION
	27	16	54	36.4*	38.660	N	20.335	E	10	G			1.3	7	GREECE
	27	17	04	52.3&	36.652	N	121.290	W	5					18	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	27	17	16	42.9*	9.503	S	119.056	E	33	N	3.8		1.3	7	SUMBA ISLAND REGION
	27	17	22	48.5*	18.476	S	71.943	W	33	N	4.3		1.3	7	OFF COAST OF NORTHERN CHILE
	27	17	39	06.1?	0.46	N	79.06	W	10	G			0.5	8	NEAR COAST OF ECUADOR
	27	18	00	52.4?	32.15	S	69.84	W	120	G			0.0	6	MENDOZA PROVINCE, ARGENTINA
	27	21	25	00.1	34.089	N	25.183	E	99	?			0.9	11	CRETE
	27	21	25	07.9?	44.04	N	6.93	E	10	G			0.0	4	FRANCE. ML 2.3 (LDG).
	27	21	28	03.2	44.096	N	6.927	E	8				0.4	20	FRANCE. ML 2.3 (GEN), 2.7 (LDG).
	27	22	18	52.8*	14.905	S	167.358	E	136	*	5.0		1.1	104	VANUATU ISLANDS
	27	22	20	25.2	45.347	N	14.602	E	10	G			0.9	17	YUGOSLAVIA. MD 3.0 (LJU), 2.8 (TRI). ML 3.1 (VIE). Felt (IV) at Rijeka, Novi Vinodolski and Crikvenico. Also felt at Omisalj.
	27	22	42	48.3	46.037	N	2.792	E	10	G			0.5	13	FRANCE. ML 2.0 (LDG).
	27	23	01	57.1*	39.244	N	20.456	E	10	G			0.9	8	GREECE-ALBANIA BORDER REGION. ML 2.8 (THE).
	27	23	56	21.5&	40.375	N	124.568	W	23					13	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK).
	28	00	05	13.4&	41.895	N	112.404	W	9		3.5			21	UTAH. <SLC-P>. ML 3.9 (SLC). mbLg 3.5 (TUL). Felt (III) at Garland and Portage.
	28	00	32	02.1*	4.316	S	131.418	E	33	N	4.2		0.9	9	BANDA SEA
	28	01	40	31.1*	39.149	N	23.706	E	10	G			0.4	7	AEGEAN SEA. ML 2.5 (THE).
	28	02	06	05.3&	61.099	N	150.515	W	44					24	SOUTHERN ALASKA. <AGS-P>.
	28	02	35	14.6&	62.842	N	150.617	W	89					23	CENTRAL ALASKA. <AGS-P>.
	28	02	38	42.5	42.580	N	0.158	E	10	G			0.9	27	PYRENEES. ML 3.4 (LDG).
	28	03	20	35.0	37.085	N	49.642	E	10	G	4.8	4.1	1.2	101	CASPIAN SEA
	28	04	20	35.0&	41.895	N	112.395	W	8					5	UTAH. <SLC-P>. ML 2.6 (SLC).
	28	04	51	48.4&	36.223	N	120.835	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	28	04	55	24.6?	31.25	S	68.94	W	111	?			0.3	6	SAN JUAN PROVINCE, ARGENTINA
	28	04	58	11.6*	17.082	N	100.271	W	33	N	3.8		1.3	14	GUERRERO, MEXICO. Felt at Acapulco and Chilpancingo.
	28	05	39	00.6	45.632	N	10.120	E	10	G			0.8	30	NORTHERN ITALY. ML 3.0 (LDG).
	28	06	03	18.4*	44.225	N	6.297	E	10	G			0.8	8	FRANCE. ML 2.3 (LDG), 2.0 (GEN).
	28	06	05	01.7?	33.45	S	69.75	W	33	N			0.9	5	CHILE-ARGENTINA BORDER REGION
	28	07	27	34.9*	39.253	N	27.905	E	10	G			0.5	5	TURKEY
	28	08	05	31.4	40.518	N	21.907	E	10	G			0.5	8	GREECE
	28	08	09	18.3*	17.128	N	99.804	W	33	N			1.6	6	GUERRERO, MEXICO
	28	08	56	42.2*	5.874	S	148.518	E	33	N	4.3		1.6	6	NEW BRITAIN REGION
	28	10	10	07.2&	61.868	N	151.188	W	93					36	SOUTHERN ALASKA. <AGS-P>.
	28	11	43	11.9?	0.03	S	80.92	W	10	G			1.1	9	NEAR COAST OF ECUADOR
	28	12	06	46.2?	40.92	N	21.74	E	10	G			1.3	4	GREECE
	28	12	14	10.8	56.134	N	164.580	E	30	D	4.8	5.3	1.2	71	KOMANDORSKY ISLANDS REGION
	28	12	48	12.3*	20.993	S	179.009	W	639	*	4.9		1.1	30	FIJI ISLANDS REGION
	28	12	51	31.7?	38.85	N	23.18	E	10	G			0.6	6	GREECE. ML 2.7 (THE).
	28	13	09	48.6?	15.40	N	98.46	W	33	N			1.5	5	OFF COAST OF GUERRERO, MEXICO
	28	15	42	23.3?	44.04	N	6.87	E	10	G			0.4	5	FRANCE
	28	16	01	08.4	39.848	N	28.880	E	10	G			0.9	12	TURKEY
	28	16	33	16.2&	37.080	N	121.975	W	5					13	CENTRAL CALIFORNIA. <BRK>. ML 2.4 (BRK). Felt in Santa Cruz County.
	28	17	16	20.9%	40.335	N	29.472	E	10	G			0.9	7	TURKEY
	28	17	21	03.8	36.751	N	49.852	E	10	G	4.7		1.1	52	WESTERN IRAN. Felt at Tehran.
	28	18	57	00.1	45.854	N	12.368	E	10	G			0.7	12	NORTHERN ITALY. MD 2.8 (TRI).
	28	19	30	11.0	45.885	N	12.369	E	24				1.1	55	NORTHERN ITALY. MD 3.2 (TRI). ML 2.8 (LJU), 3.2 (ZAG), 3.4 (GRF), 3.2 (LDG).
	28	20	14	17.8?	5.00	S	129.76	E	175	?	4.3		1.2	14	BANDA SEA
	28	20	48	33.8	40.314	N	22.023	E	10	G			0.9	12	GREECE. ML 2.7 (THE).
	28	22	03	47.6	76.148	N	134.051	E	10	G	4.4		0.8	15	LAPTEV SEA
	28	23	57	54.4%	41.580	N	28.134	E	10	G			0.7	5	TURKEY
	29	00	16	38.7*	8.524	S	121.529	E	161	?	4.7		1.1	10	FLORES ISLAND REGION
	29	00	52	36.7	44.617	N	7.198	E	8				0.6	14	NORTHERN ITALY. ML 1.9 (LDG), 2.0 (GEN).
	29	00	58	40.0*	32.778	S	71.441	W	10	G			1.4	7	NEAR COAST OF CENTRAL CHILE
	29	01	06	04.1*	37.382	N	49.690	E	10	G	4.4		0.9	5	CASPIAN SEA
	29	01	12	43.4?	16.18	S	73.34	W	110	*	4.5		1.4	17	NEAR COAST OF PERU
	29	01	19	10.8	44.183	N	6.330	E	10	G			0.7	67	FRANCE. ML 3.1 (LDG).
	29	01	46	29.5	45.034	N	27.152	E	10	G			1.5	8	ROMANIA
	29	02	07	48.4*	32.729	N	71.928	E	33	N	4.4		1.2	10	PAKISTAN
	29	02	13	57.0?	47.45	N	5.96	E	10	G			1.0	4	FRANCE. ML 2.0 (LDG).
	29	02	54	30.6*	14.937	S	167.281	E	111	?	5.0		1.2	67	VANUATU ISLANDS
	29	03	28	49.7?	35.78	N	99.93	E	33	N			0.2	4	QINGHAI PROVINCE, CHINA. ML 3.7 (BJI).
a	29	03	53	28.7	21.552	S	179.332	W	616	D	5.7		1.0	274	FIJI ISLANDS REGION

	29	05	11	38.8	39.246	N	23.705	E	10	G		0.9	11	AEGEAN SEA. MD 3.2 (ATH).
	29	05	17	22.5*	46.258	N	1.089	W	10	G		1.3	7	FRANCE. ML 2.5 (LDG).
	29	06	06	27.2*	24.000	N	122.787	E	33	N	3.9	1.4	6	TAIWAN REGION
	29	06	25	48.0*	36.691	N	49.816	E	10	G	4.5	1.0	19	WESTERN IRAN
	29	06	28	05.0?	39.36	N	20.93	E	10	G		0.6	4	GREECE-ALBANIA BORDER REGION. ML 3.2 (THE).
a	29	06	31	25.8	28.578	S	68.746	W	123	D	5.2	1.2	141	LA RIOJA PROVINCE, ARGENTINA
	29	06	52	29.6	44.988	N	10.349	E	10	G		0.7	7	NORTHERN ITALY
	29	07	06	44.0&	62.930	N	149.453	W	78				24	CENTRAL ALASKA. <AGS-P>.
	29	07	24	35.0*	10.133	N	57.424	E	10	G	4.8 3.9	0.4	22	CARLSBERG RIDGE
	29	08	04	10.3*	44.793	N	7.234	E	10	G		0.7	5	NORTHERN ITALY. ML 1.9 (GEN).
	29	08	55	19.9	44.183	N	6.357	E	10	G		0.6	33	FRANCE. ML 2.8 (LDG). MD 2.4 (STR).
	29	09	07	00.3	40.640	N	22.942	E	10	G		0.6	6	GREECE. ML 1.5 (THE).
	29	10	53	34.3	52.762	N	171.940	E	33	N	4.6	0.8	54	NEAR ISLANDS, ALEUTIAN ISLANDS
	29	12	02	27.7&	64.525	N	147.870	W	9				23	CENTRAL ALASKA. <AGS-P>.
	29	12	07	39.7*	44.865	N	34.741	E	33	N	3.9	1.3	14	CRIMEA REGION
	29	12	10	28.7*	44.901	N	34.245	E	33	N	3.7	1.0	8	CRIMEA REGION
	29	12	17	05.6	40.520	N	23.701	E	10	G		0.4	7	GREECE. ML 2.0 (THE).
	29	12	38	50.1%	40.441	N	23.589	E	10	G		0.8	6	GREECE. ML 1.5 (THE).
	29	12	40	08.7*	35.510	N	27.073	E	10	G		1.5	9	DODECANESE ISLANDS
	29	13	29	48.8	39.144	N	20.502	E	57	*	3.8	1.2	55	GREECE-ALBANIA BORDER REGION. MD 3.9 (ATH).
	29	14	41	45.5*	7.59B	S	128.273	E	169	?	4.7	1.3	11	BANDA SEA
	29	17	00	04.3?	7.73	S	128.44	E	120	?	4.2	1.7	8	BANDA SEA
	29	17	16	08.7?	35.79	N	23.50	E	10	G		1.4	4	CRETE
	29	18	01	15.7	39.858	N	28.913	E	10	G		0.7	20	TURKEY
	29	18	08	11.1*	44.196	N	6.248	E	10	G		0.2	6	FRANCE. ML 2.4 (LDG).
	29	18	10	19.2	39.867	N	28.947	E	10	G		0.3	6	TURKEY
	29	18	13	23.5	39.868	N	28.935	E	14			1.0	14	TURKEY
	29	18	24	46.3%	43.897	N	11.965	E	10	G		0.6	6	CENTRAL ITALY
	29	18	58	13.9	39.150	N	20.489	E	53	*	4.2	1.2	88	GREECE-ALBANIA BORDER REGION. MD 4.3 (ATH).
	29	20	07	19.4*	45.767	N	26.802	E	94	?		1.0	10	ROMANIA
	29	20	20	48.1	2.696	N	123.836	E	414	*	4.8	1.1	26	CELEBES SEA
	29	20	27	36.2	39.417	N	27.377	E	24	*		1.2	12	TURKEY
	29	21	30	46.2	37.641	N	72.066	E	33	N	4.4	0.8	10	TAJIK SSR
	29	21	50	55.1*	29.876	N	57.423	E	33	N	3.8	1.4	11	SOUTHERN IRAN
	29	23	05	09.9*	16.027	S	177.854	W	439		4.4	0.9	31	FIJI ISLANDS REGION
	29	23	25	34.3	15.729	N	147.811	E	31	D	5.0 4.4	1.1	65	MARIANA ISLANDS REGION
	29	23	46	01.3%	38.173	N	14.912	E	10	G		0.4	5	SICILY
	30	00	09	08.5?	11.02	N	61.74	W	33	N		0.5	5	WINDWARD ISLANDS. MD 3.1 (TRN).
	30	00	11	23.6&	38.677	N	112.585	W	0				3	UTAH. <SLC-P>. ML 2.8 (SLC).
	30	01	07	39.0?	47.21	N	152.70	E	33	N	4.5	0.3	5	KURIL ISLANDS
	30	01	20	12.3?	44.04	N	6.47	E	10	G		0.9	4	FRANCE. ML 1.8 (LDG).
	30	01	22	55.7*	23.632	S	13.413	W	10	G	4.6	0.7	17	SOUTH ATLANTIC RIDGE
	30	01	38	49.2?	32.83	S	71.69	W	33	N		0.9	6	NEAR COAST OF CENTRAL CHILE
	30	01	46	45.2	33.743	S	68.348	W	10	G		0.8	11	MENDOZA PROVINCE, ARGENTINA
	30	02	28	13.4?	23.81	N	93.76	E	170	?	4.2	0.9	8	BURMA-INDIA BORDER REGION
	30	03	33	53.5&	60.092	N	152.773	W	103				26	SOUTHERN ALASKA. <AGS-P>.
	30	03	42	01.9*	37.079	N	50.147	E	10	G	4.7	1.0	6	CASPIAN SEA
	30	04	25	52.1?	31.05	S	68.48	W	100	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
	30	04	42	33.3	39.040	N	27.968	E	10	G		0.8	10	TURKEY
	30	06	16	45.7	44.152	N	12.159	E	19			1.2	41	NORTHERN ITALY. ML 3.2 (LDG), 3.3 (VIE).
	30	06	22	54.2*	32.943	S	72.493	W	33	N	4.4	1.1	12	OFF COAST OF CENTRAL CHILE
	30	07	44	56.8	24.402	N	123.418	E	33	N	4.3 3.8	1.2	18	SOUTHWESTERN RYUKYU ISLANDS
	30	08	33	52.0%	40.190	N	29.367	E	10	G		1.0	12	TURKEY
	30	08	33	52.7%	39.538	N	22.339	E	33	N		1.1	9	GREECE
	30	08	44	46.0*	39.521	N	15.134	E	10	G		0.6	6	SOUTHERN ITALY
	30	09	27	12.8*	37.646	N	69.328	E	33	N	4.0	0.5	5	AFGHANISTAN-USSR BORDER REGION
a	30	09	41	02.2	28.453	N	43.735	W	10	G	5.1 5.1	0.9	185	NORTH ATLANTIC RIDGE. Ms 5.3 (BRK).
	30	10	17	45.4*	5.270	N	32.380	E	10	G	3.9	1.5	7	SUDAN
	30	11	15	44.4*	5.157	S	129.791	E	207	*	4.9	1.3	21	BANDA SEA
	30	12	08	51.6?	40.98	N	21.51	E	10	G		0.2	4	GREECE
	30	12	33	40.1*	31.230	S	68.654	W	33	N		1.2	5	SAN JUAN PROVINCE, ARGENTINA
	30	12	38	08.9&	63.494	N	150.787	W	9				16	CENTRAL ALASKA. <AGS-P>.
	30	13	09	51.7*	10.330	S	120.048	E	33	N	4.0	1.1	5	SUMBA ISLAND REGION
	30	13	58	41.2*	39.371	N	21.989	E	10	G		1.1	8	GREECE. MD 2.9 (ATH). ML 3.0 (THE).
	30	14	03	00.1*	51.281	N	15.931	E	10	G		0.1	5	POLAND
	30	14	10	30.7	6.154	S	130.423	E	154	*	4.9	1.1	26	BANDA SEA
	30	14	47	17.4%	37.758	N	15.125	E	10	G		0.9	5	SICILY
a	30	14	51	07.9	9.857	N	84.392	W	8		5.2 5.2	1.3	175	COSTA RICA. Ms 5.0 (BRK). Slight damage at Santiaga de Puriscal and San Jose. Felt throughout most of Costa Rica.
	30	14	53	10.4?	16.72	N	99.84	W	33	N		1.5	5	NEAR COAST OF GUERRERO, MEXICO. Felt at Acopulco.
	30	14	55	23.6	9.981	N	84.109	W	10	G	4.8	1.2	48	COSTA RICA
	30	14	59	07.6*	10.264	N	83.923	W	10	G	4.9	1.3	19	COSTA RICA
	30	15	05	01.3%	37.781	N	15.085	E	10	G		0.2	5	SICILY
	30	15	17	55.7&	31.830	N	116.200	W	4				7	BAJA CALIFORNIA. <ECX>. MD 3.0 (ECX).
	30	15	38	51.2?	37.85	N	15.06	E	10	G		0.2	4	SICILY
	30	16	00	45.3	47.995	N	7.507	E	10	G		0.2	12	SWITZERLAND. ML 2.8 (LDG).
	30	17	18	43.8*	36.538	N	70.802	E	168	*	4.5	0.8	14	HINDU KUSH REGION
	30	17	46	37.4	40.219	N	24.887	E	10	G		1.3	18	AEGEAN SEA. ML 3.0 (THE).
	30	18	05	59.1?	37.85	N	15.09	E	10	G		0.6	4	SICILY
	30	18	34	52.1%	39.347	N	15.234	E	13	*		0.4	6	SOUTHERN ITALY
a	30	18	49	18.0	44.290	N	149.179	E	9	D	5.2 4.9	0.9	140	KURIL ISLANDS
	30	18	57	49.4*	44.864	N	148.856	E	33	N	4.7	1.3	34	KURIL ISLANDS
	30	19	02	21.9	1.419	N	123.596	E	33	N	4.5	1.3	21	MINAHASSA PENINSULA
	30	19	26	57.7?	21.32	S	67.92	W	74	?		0.2	5	CHILE-BOLIVIA BORDER REGION
	30	19	31	25.9*	5.225	S	147.126	E	193	*	4.9	1.1	19	EAST PAPUA NEW GUINEA REGION
	30	19	32	50.4*	44.114	N	149.310	E	33	N	4.8	0.9	41	KURIL ISLANDS
	30	19	50	06.2?	43.97	N	148.88	E	33	N	3.8	1.3	6	KURIL ISLANDS REGION
	30	20	23	53.9&	62.759	N	150.876	W	96				21	CENTRAL ALASKA. <AGS-P>.
	30	20	38	36.5	37.785	N	15.076	E	10	G		0.4	7	SICILY
	30	20	46	15.7*	37.755	N	68.695	E	33	N	3.8	1.4	7	AFGHANISTAN-USSR BORDER REGION
	30	20	51	45.6	44.149	N	149.233	E	50	*	5.0 4.1	0.8	91	KURIL ISLANDS
	30	21	24	16.0	38.132	N	20.259	E	23		3.9	1.2	50	GREECE. ML 3.7 (ATH).

30	22 17 37.3&	31.650 N	115.920 W	4				8	BAJA CALIFORNIA. <ECX>. MD 3.0 (ECX).
30	22 33 56.0?	46.73 N	4.22 E	10 G			1.2	6	FRANCE. ML 1.5 (LDG).
30	23 46 53.8&	32.370 N	115.120 W	2				13	CALIFORNIA-MEXICO BORDER REGION. <ECX>. ML 3.2 (ECX), 3.0 (PAS).
30	23 49 29.2	1.320 N	122.924 E	33 N	5.0	4.7	1.0	47	MINAHASSA PENINSULA
30	23 52 04.0%	46.985 N	1.459 E	11			0.8	16	FRANCE. ML 2.9 (LDG).

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

01 01 22 11.59 35.522N 140.339E 67km
5.7mb (92 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=323 Dip=72 Slip= 90
NP2: 143 18 90
Principal Axes:
T Plg=63 Azm=233
P 27 53
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 4 Focal mech. M
Energy 1.1±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 56 No. of sta. 21
Principal Axes:
Scale 10**18 Nm
T Val= 2.09 Plg=62 Azm=242
N -0.01 4 145
P -2.08 27 53
Best Double Couple:Mo=2.1*10**18
NP1:Strike=134 Dip=18 Slip= 78
NP2: 326 72 94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 34C
Centroid Location:
Origin Time 01:22:13.7 0.2
Lat 35.51N 0.03 Lon 140.70E 0.03
Dep 30.2 1.9 Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 2.53 Plg=64 Azm=256
N 0.29 10 8
P -2.82 24 103
Best Double Couple:Mo=2.7*10**18
NP1:Strike=214 Dip=23 Slip= 118
NP2: 4 70 79

01 04 45 49.85 5.119S 147.722E 33km
5.4mb (21 obs.) 4.9Msz (10 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 04:45:57.5 0.9
Lat 4.33S 0.10 Lon 147.75E 0.05
Dep 26.7 7.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.08 Plg=11 Azm=278
N -0.12 71 43
P -1.95 15 185
Best Double Couple:Mo=2.0*10**17
NP1:Strike=322 Dip=71 Slip=-177
NP2: 231 87 -19

01 11 00 23.11 15.985N 147.391E 35km
5.1mb (26 obs.) 4.4Msz (5 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 11:00:25.0 1.6
Lat 15.44N 0.22 Lon 147.57E 0.09
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 3.23 Plg= 0 Azm=264
N -0.31 0 174
P -2.91 90 180
Best Double Couple:Mo=3.1*10**16
NP1:Strike=354 Dip=45 Slip= -90
NP2: 174 45 -90

01 11 08 35.83 26.048S 176.567W 75km
5.4mb (22 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C
Centroid Location:
Origin Time 11:08:39.7 1.0
Lat 25.41S 0.11 Lon 176.32W 0.09
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.37 Plg=68 Azm=237
N 0.07 12 359
P -1.43 18 93
Best Double Couple:Mo=1.4*10**17
NP1:Strike=201 Dip=29 Slip= 115
NP2: 353 64 77

01 18 14 44.65 5.485S 154.117E 145km
5.5mb (36 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 18:14:45.2 0.6
Lat 5.78S 0.07 Lon 153.96E 0.04
Dep 134.9 1.4 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.17 Plg=73 Azm= 55
N -0.26 5 310
P -1.90 17 218
Best Double Couple:Mo=2.0*10**17
NP1:Strike=301 Dip=29 Slip= 80
NP2: 132 62 95

02 00 32 35.02 32.434N 92.802E 13km
5.6mb (57 obs.) 4.6Msz (2 obs.)
TIBET
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 00:32:42.8 0.7
Lat 32.20N 0.12 Lon 93.28E 0.12
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 6.21 Plg= 9 Azm=282
N 3.54 30 187
P -9.75 58 27
Best Double Couple:Mo=8.0*10**16
NP1:Strike= 43 Dip=44 Slip= -44
NP2: 168 61 -125

02 04 57 57.02 1.081N 122.776E 34km
5.1mb (16 obs.) 4.9Msz (12 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Location:
Origin Time 04:58: 0.3 0.4
Lat 1.59N 0.05 Lon 122.76E 0.06
Dep 44.8 3.8 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.04 Plg=69 Azm=199
N -0.44 11 78
P -1.60 18 345
Best Double Couple:Mo=1.8*10**17
NP1:Strike= 57 Dip=29 Slip= 66
NP2: 264 64 102

04 09 26 36.58 14.410S 167.800E 50km
5.1mb (15 obs.) 4.7Msz (5 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 23C
Centroid Location:
Origin Time 09:26:34.1 0.8
Lat 14.43S FIX;Lon 167.91E FIX
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.90 Plg=83 Azm=290
N 0.51 1 190
P -5.41 7 100
Best Double Couple:Mo=5.2*10**16
NP1:Strike=189 Dip=38 Slip= 88
NP2: 11 52 91

04 10 33 37.88 11.063S 162.867E 69km
5.1mb (26 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 25C
Centroid Location:
Origin Time 10:33:31.3 0.8
Lat 11.29S 0.07 Lon 162.51E 0.09
Dep 49.0 6.9 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 6.31 Plg=63 Azm=349
N 0.84 3 84
P -7.14 27 175
Best Double Couple:Mo=6.7*10**16
NP1:Strike=272 Dip=18 Slip= 98
NP2: 83 72 87

05 13 42 51.20 35.412N 139.045E 122km
5.3mb (91 obs.)
NEAR S. COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 13:42:59.2 0.7
Lat 35.78N 0.09 Lon 138.94E 0.07
Dep 120.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.45 Plg=57 Azm=256
N 0.56 10 1
P -11.02 32 97
Best Double Couple:Mo=1.1*10**17
NP1:Strike=217 Dip=16 Slip= 127
NP2: 359 77 80

06 02 01 08.24 6.131S 77.213W 25km
5.1mb (41 obs.) 5.0Msz (1 obs.)
NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 02:01:11.0 1.1
Lat 6.29S 0.13 Lon 77.46W 0.25
Dep 26.5 7.2 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 11.23 Plg=51 Azm=206
N -0.33 13 313
P -10.89 36 52
Best Double Couple:Mo=1.1*10**17
NP1:Strike=191 Dip=15 Slip= 149
NP2: 311 82 77

07 07 14 42.40 20.117S 66.555E 10km
5.0mb (14 obs.) 4.8Msz (3 obs.)
MASCARENE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 29C
Centroid Location:
Origin Time 07:14:51.1 0.8
Lat 19.84S 0.09 Lon 66.27E 0.09
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 13.06 Plg=27 Azm= 11
N -2.60 56 233
P -10.46 19 111
Best Double Couple:Mo=1.2*10**17

NP1:Strike=153 Dip=57 Slip= 6
NP2: 60 85 147

07 09 25 19.19 3.563S 144.432E 29km
5.9mb (50 obs.) 6.5Msz (29 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 83 Dip=89 Slip= 0
NP2: 173 90 181
Principal Axes:
T Plg= 1 Azm=308
P 1 38
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: 5 Focal mech. F
Energy 3.2±1.0*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 40 No. of sta: 13
Principal Axes:
Scale 10**18 Nm
T Val= 4.43 Plg= 4 Azm=309
N 0.56 80 197
P -4.98 9 39
Best Double Couple:Mo=4.7*10**18
NP1:Strike= 84 Dip=81 Slip= -4
NP2: 174 86 -171
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 44C M.W.: 11S, 25C
Centroid Location:
Origin Time 09:25:24.0 0.1
Lat 3.33S 0.01 Lon 144.77E 0.01
Dep 15.0 FIX Half-duration 6.7
Principal Axes:
Scale 10**18 Nm
T Val= 6.05 Plg= 5 Azm=131
N -0.60 84 273
P -5.45 4 41
Best Double Couple:Mo=5.8*10**18
NP1:Strike=176 Dip=84 Slip= 179
NP2: 266 89 6

07 13 24 39.38 16.125S 176.885W 33km
5.3mb (20 obs.) 5.2Msz (5 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 13:24:39.3 1.1
Lat 15.47S 0.11 Lon 176.89W 0.06
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 3.04 Plg=38 Azm= 96
N -0.04 31 338
P -3.01 37 221
Best Double Couple:Mo=3.0*10**17
NP1:Strike=249 Dip=31 Slip= 0
NP2: 158 90 121

07 23 40 25.31 1.211S 24.419W 10km
5.0mb (33 obs.) 5.1Msz (9 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 23:40:32.1 0.4
Lat 1.09S 0.04 Lon 23.85W 0.04
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.55 Plg=17 Azm= 35
N -0.36 73 218
P -2.19 1 126
Best Double Couple:Mo=2.4*10**17
NP1:Strike=172 Dip=78 Slip= 11
NP2: 79 79 167

08 13 49 22.93 17.573S 71.824W 27km
5.6mb (65 obs.) 5.4Msz (15 obs.)
NEAR COAST OF PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Location:
Origin Time 13:49:30.3 0.3
Lat 18.33S 0.04 Lon 71.67W 0.05
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.76 Plg=49 Azm=119
N 1.31 39 321
P -4.07 11 222
Best Double Couple:Mo=3.4*10**17
NP1:Strike=274 Dip=48 Slip= 32
NP2: 161 66 133

08 15 05 09.52 18.874S 178.789W 499km
5.6mb (66 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C M.W.: 13S, 25C
Centroid Location:
Origin Time 15:05:19.2 0.2
Lat 18.51S 0.02 Lon 178.93W 0.02
Dep 503.5 0.9 Half-duration 6.0
Principal Axes:
Scale 10**18 Nm
T Val= 5.91 Plg=20 Azm= 20
N -0.31 27 121
P -5.60 55 258
Best Double Couple:Mo=5.8*10**18
NP1:Strike= 73 Dip=34 Slip=-143
NP2: 311 70 -61

08 21 37 38.45 9.103S 120.264E 33km
5.6mb (40 obs.) 4.7Msz (3 obs.)
SUMBA ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 21:37:45.7 0.7
Lat 9.55S 0.07 Lon 120.17E 0.07
Dep 101.0 3.1 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.81 Plg= 5 Azm=300
N 0.15 22 208
P -1.96 68 43
Best Double Couple:Mo=1.9*10**17
NP1:Strike= 52 Dip=44 Slip= -58
NP2: 191 54 -117

09 01 14 34.57 6.062S 77.136W 26km
5.5mb (67 obs.) 4.9Msz (6 obs.)
NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 01:14:40.6 0.5
Lat 5.70S 0.06 Lon 77.07W 0.12
Dep 31.1 6.3 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.94 Plg=42 Azm=282
N 0.11 11 181
P -2.05 46 79
Best Double Couple:Mo=2.0*10**17
NP1:Strike= 82 Dip=12 Slip= -9
NP2: 181 88 -101

09 21 38 21.17 1.253N 123.422E 34km
5.1mb (20 obs.) 4.7Msz (8 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 21:38:23.3 0.5
Lat 1.41N 0.09 Lon 123.43E 0.10
Dep 15.9 3.6 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 2.39 Plg=58 Azm=124
N -0.07 7 226
P -2.32 31 321
Best Double Couple:Mo=2.4*10**17
NP1:Strike= 73 Dip=16 Slip= 118
NP2: 224 76 82

11 00 01 54.40 7.236S 118.896W 33km
5.2mb (22 obs.)
EAST CENTRAL PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 21C
Centroid Location:
Origin Time 00:01:58.2 1.2
Lat 6.98S 0.11 Lon 119.19W 0.07
Dep 15.4 5.8 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 3.45 Plg=90 Azm=180
N -0.60 0 239
P -2.85 0 149
Best Double Couple:Mo=3.2*10**16
NP1:Strike=239 Dip=45 Slip= 90
NP2: 59 45 90

11 05 43 03.37 7.398S 118.795W 33km
5.2mb (19 obs.) 5.1Msz (1 obs.)
EAST CENTRAL PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 05:43: 6.1 0.6
Lat 7.32S 0.14 Lon 119.54W 0.07
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 6.84 Plg=63 Azm=205
N -1.35 27 33
P -5.49 3 301
Best Double Couple:Mo=6.2*10**16
NP1:Strike= 5 Dip=48 Slip= 52
NP2: 234 54 124

13 02 44 08.03 9.457N 138.202E 21km
5.6mb (39 obs.) 4.9Msz (17 obs.)
WEST CAROLINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 02:44:11.7 0.3
Lat 9.32N 0.04 Lon 137.97E 0.05
Dep 41.0 3.4 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.92 Plg=83 Azm=268
N 0.87 7 71
P -2.79 2 161
Best Double Couple:Mo=2.4*10**17
NP1:Strike=259 Dip=43 Slip= 100
NP2: 65 48 81

13 16 41 53.60 6.371N 126.396E 77km
5.6mb (50 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 16:41:57.4 0.3
Lat 6.20N 0.03 Lon 126.27E 0.03
Dep 84.1 1.6 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 4.54 Plg=44 Azm=207
N 0.90 44 8
P -5.44 9 107
Best Double Couple:Mo=5.0*10**17
NP1:Strike=236 Dip=52 Slip= 151
NP2: 345 68 41

14 06 28 34.93 18.211N 147.197E 24km
5.1mb (25 obs.) 5.0Msz (9 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 15C
Centroid Location:
Origin Time 06:28:41.8 1.0
Lat 18.14N 0.17 Lon 147.42E 0.06
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.76 Plg=64 Azm=306
N 1.26 19 171
P -11.02 17 75
Best Double Couple:Mo=1.0*10**17
NP1:Strike=138 Dip=32 Slip= 53
NP2: 1 65 111

14 07 40 56.21 11.760N 121.899E 18km
6.0mb (88 obs.) 7.1Msz (30 obs.)
PANAY, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 28 Dip=88 Slip=-180

NP2: 118 90 -358
Principal Axes:
T Plg= 1 Azm=343
P 1 253
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 20 No. of sta: 8
Principal Axes:
Scale 10**19 Nm
T Val= 3.34 Plg= 3 Azm=176
N 0.52 82 285
P -3.86 7 85
Best Double Couple:Mo=3.6*10**19
NP1:Strike=221 Dip=83 Slip=-177
NP2: 130 87 -7
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 32C M.W.: 12S, 30C
Centroid Location:
Origin Time 07:41: 8.1 0.2
Lat 11.70N 0.01 Lon 121.86E 0.02
Dep 15.0 FIX Half-duration 15.0
Principal Axes:
Scale 10**19 Nm
T Val= 4.94 Plg= 1 Azm=178
N -0.51 73 271
P -4.42 17 88
Best Double Couple:Mo=4.7*10**19
NP1:Strike=224 Dip=78 Slip=-169
NP2: 132 79 -13

14 12 47 28.82 47.869N 85.076E 58km
6.1mb (89 obs.) 6.8Msz (23 obs.)
KAZAKH-XINJIANG BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1.Strike=292 Dip=83 Slip= 157
NP2: 25 67 8
Principal Axes:
T Plg=21 Azm=246
P 11 340
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. F
Energy 3.6±1.0*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 46 No. of sta: 14
Principal Axes:
Scale 10**18 Nm
T Val= 8.63 Plg=32 Azm=249
N -0.11 48 116
P -8.52 25 355
Best Double Couple:Mo=8.6*10**18
NP1:Strike= 35 Dip=48 Slip= 6
NP2: 301 86 138
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C M.W.: 11S, 25C
Centroid Location:
Origin Time 12:47:32.6 0.2
Lat 47.88N 0.02 Lon 85.19E 0.04
Dep 36.0 BDY Half-duration 8.4
Principal Axes:
Scale 10**18 Nm
T Val= 8.85 Plg=33 Azm=244
N 1.75 54 89
P -10.60 12 342
Best Double Couple:Mo=9.7*10**18
NP1:Strike= 28 Dip=58 Slip= 16
NP2: 289 76 147

14 21 56 48.19 11.312N 122.252E 23km
5.3mb (28 obs.) 5.1Msz (11 obs.)
PANAY, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Locotion:
Origin Time 21:56:50.8 0.5
Lat 11.52N 0.08 Lon 121.95E 0.09
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.19 Plg=36 Azm=152
N -0.82 46 290
P -1.37 22 45
Best Double Cauple:Mo=1.8*10**17
NP1:Strike=183 Dip=47 Slip= 168
NP2: 281 81 43

15 08 12 26.25 5.041S 152.082E 60km
5.5mb (37 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centraid Location:
Origin Time 08:12:37.2 0.5
Lat 4.58S 0.04 Lon 152.40E 0.03
Dep 35.6 2.3 Half-duration 3.4
Principal Axes:
Scale 10**17 Nm
T Val= 10.41 Plg=69 Azm= 22
N 0.43 14 251
P -10.84 15 158
Best Double Cauple:Mo=1.1*10**18
NP1:Strike=228 Dip=32 Slip= 63
NP2: 79 61 106

16 01 34 11.22 22.607S 176.720W 139km
5.3mb (19 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 01:34:17.6 0.9
Lat 22.34S 0.11 Lon 176.53W 0.05
Dep 137.3 1.7 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.05 Plg=53 Azm=124
N 0.22 10 21
P -3.27 36 284
Best Double Couple:Mo=3.2*10**17
NP1:Strike=333 Dip=13 Slip= 41
NP2: 203 81 100

16 02 16 21.12 39.25BN 20.528E 32km
5.6mb (81 obs.) 5.2Msz (9 obs.)
GREECE-ALBANIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 02:16:21.5 0.9
Lat 38.70N 0.09 Lon 20.44E 0.09
Dep 15.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.31 Plg=80 Azm=359
N 0.41 8 139
P -2.72 6 230
Best Double Couple:Mo=2.5*10**17
NP1:Strike=329 Dip=39 Slip= 102
NP2: 133 52 80

16 04 53 42.94 27.998N 127.976E 27km
5.7mb (40 obs.) 6.1Msz (12 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 19C
Centraid Location:
Origin Time 04:53:44.2 0.3
Lat 27.43N 0.07 Lon 127.18E 0.08
Dep 15.0 BDY Half-duration 3.4
Principal Axes:
Scale 10**17 Nm
T Val= 14.12 Plg=20 Azm=314
N -1.84 24 53
P -12.28 58 188
Best Double Couple:Mo=1.3*10**18
NP1:Strike= 9 Dip=32 Slip=-139
NP2: 243 69 -64

17 04 51 45.51 27.398N 65.719E 15km
5.9mb (74 obs.) 6.3Msz (29 obs.)
PAKISTAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=115 Dip=80 Slip= 153
NP2: 210 63 11
Principal Axes:
T Plg=26 Azm= 70
P 11 165
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 9 Focal mech. M
Energy 3.3±0.8*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 7 No. of sta: 12
Principal Axes:
Scale 10**18 Nm
T Val= 1.74 Plg=39 Azm= 55
N 0.06 43 276
P -1.80 22 164
Best Double Couple:Mo=1.8*10**18
NP1:Strike=207 Dip=45 Slip= 15
NP2: 106 80 134
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 49C M.W.: 4S, 8C
Centroid Location:
Origin Time 04:51:44.8 0.5
Lat 26.75N 0.05 Lon 65.25E 0.04
Dep 15.0 BDY Half-duration 4.3
Principal Axes:
Scale 10**18 Nm
T Val= 1.74 Plg=29 Azm= 69
N 0.11 60 270
P -1.85 9 164
Best Double Couple:Mo=1.8*10**18
NP1:Strike=210 Dip=63 Slip= 15
NP2: 114 77 153

17 17 17 43.16 27.302N 65.548E 15km
5.3mb (68 obs.) 5.2Msz (12 obs.)
PAKISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 17:17:49.3 0.4
Lat 27.34N FIX;Lon 65.62E FIX
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.43 Plg=28 Azm= 78
N 0.19 55 217
P -2.62 19 337
Best Double Couple:Mo=2.5*10**17
NP1:Strike=115 Dip=56 Slip= 173
NP2: 209 85 34

17 21 15 26.06 3.879N 125.690E 168km
5.3mb (35 obs.)
TALAUD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 25C
Centroid Location:
Origin Time 21:15:27.9 0.5
Lat 4.10N 0.06 Lon 125.65E 0.05
Dep 144.3 1.7 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.04 Plg=33 Azm=257
N 0.35 24 3
P -2.38 48 122
Best Double Couple:Mo=2.2*10**17
NP1:Strike=295 Dip=25 Slip=-160
NP2: 187 82 -66

18 01 44 39.27 21.882S 170.841E 116km
5.0mb (5 obs.)
LOYALTY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 01:44:48.2 1.4
Lat 21.72S 0.14 Lon 170.45E 0.09
Dep 120.1 4.1 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 9.26 Plg=29 Azm=301
N 2.88 26 195
P -12.14 49 70
Best Double Couple:Mo=1.1*10**17
NP1:Strike= 79 Dip=29 Slip= -23
NP2: 189 79 -117

18 04 25 25.77 4.479N 125.760E 207km
5.1mb (23 obs.)

TALAUD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Locotion:
Origin Time 04:25:23.3 1.1
Lot 4.41N 0.09 Lon 125.45E 0.12
Dep 164.0 3 3 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Vol= 10.26 Plg=20 Azm=216
N 0.93 69 16
P -11.20 7 124
Best Double Couple:Mo=1.1*10**17
NP1:Strike=258 Dip=71 Slip= 170
NP2: 352 81 19

18 19 02 57.33 21.825S 68.438W 117km
5.3mb (27 obs.)
CHILE-BOLIVIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Locotion:
Origin Time 19:03: 4.9 0.8
Lat 21.92S 0.08 Lon 68.49W 0.12
Dep 136.1 2.8 Half-durotion 1.6
Principal Axes:
Scale 10**16 Nm
T Vol= 11.12 Plg=15 Azm= 63
N -0.18 7 155
P -10.94 73 270
Best Double Couple:Mo=1.1*10**17
NP1:Strike=142 Dip=31 Slip=-105
NP2: 339 61 -81

19 19 07 48.45 21.038S 178.855W 612km
5.3mb (49 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Locotion:
Origin Time 19:07:54.9 0.8
Lat 20.59S 0.07 Lon 179.32W 0.06
Dep 614.5 4.0 Half-duration 2.4
Principal Axes:
Scole 10**17 Nm
T Vol= 2.88 Plg=30 Azm=131
N -0.21 7 225
P -2.67 59 327
Best Double Couple:Mo=2.8*10**17
NP1:Strike=201 Dip=16 Slip=-115
NP2: 47 75 -83

19 23 56 09.84 0.941N 26.530W 10km
4.8mb (13 obs.) 4.9Msz (3 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 23:56:16.2 1.1
Lat 0.93N 0.09 Lon 26.17W 0.08
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Vol= 7.43 Plg=16 Azm= 36
N 0.83 71 180
P -8.26 11 303
Best Double Couple:Mo=7.8*10**16
NP1:Strike= 79 Dip=71 Slip= 176
NP2: 170 86 19

20 08 30 26.08 6.931S 155.656E 86km
5.2mb (13 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Locotion:
Origin Time 08:30:28.5 1.6
Lot 6.78S 0.13 Lon 155.79E 0.10
Dep 53.0 6.4 Half-durotion 1.5
Principal Axes:
Scole 10**16 Nm
T Vol= 7.18 Plg=57 Azm=256
N -0.68 33 74
P -6.50 1 165
Best Double Couple:Mo=6.8*10**16
NP1:Strike=284 Dip=53 Slip= 133
NP2: 47 54 48

20 21 00 09.98 36.957N 49.409E 19km
6.4mb (71 obs.) 7.7Msz (16 obs)
WESTERN IRAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=288 Dip=88 Slip= -11
NP2: 18 79 -177
Principal Axes:
T Plg= 6 Azm=334
P 9 243
Comment: The focal mechanism is poorly controlled ond corresponds to strike-slip faulting with o small normal componenl. The preferred fault plone is not determined.
RADIATED ENERGY
No. of sta: 8 Focal mech. F
Energy 1.1±0.3*10**16 Nm
MOMENT TENSOR SOLUTION
Dep 17 No. of sta: 12
Principal Axes:
Scale 10**20 Nm
T Vol= 0.99 Plg=47 Azm=183
N 0.17 35 321
P -1.17 22 67
Best Double Couple:Mo=1.1*10**20
NP1:Strike=202 Dip=38 Slip= 156
NP2: 311 76 54
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 22C M.W.: 25S, 62C
Centroid Location:
Origin Time 21:00:31.1 0.2
Lat 36.95N 0.01 Lon 49.52E 0.02
Dep 15.0 FIX Half-durotion 15.0
Principal Axes:
Scale 10**19 Nm
T Vol= 15.13 Plg=34 Azm=163
N -3.25 54 325
P -11.88 9 67
Best Double Couple:Mo=1.4*10**20
NP1:Strike=200 Dip=59 Slip= 160
NP2: 300 73 32

21 09 02 14.62 36.636N 49 799E 15km
5.8mb (77 obs.) 5.3Msz (19 obs.)
WESTERN IRAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=74 Slip= 90
NP2: 205 16 90
Principal Axes:
T Plg=61 Azm=295
P 29 115
Comment: The focal mechanism is poorly controlled ond corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 4 Focal mech, C
Energy 9.8±3.3*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 36C
Centroid Location:
Origin Time 09:02:18 6 0.4
Lat 36.51N 0.05 Lon 49.77E 0.04
Dep 15.0 BDY Half-duration 2.8
Principal Axes:
Scole 10**17 Nm
T Vol= 4.17 Plg=64 Azm=237
N 1.56 13 356
P -5.73 22 91
Best Double Couple:Mo=4.9*10**17
NP1:Strike=204 Dip=26 Slip= 121
NP2: 351 68 76

21 14 37 12.40 17.876N 122.406E 33km
5.2mb (27 obs.) 5.0Msz (10 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centraid Location:
Origin Time 14:37:12.0 0.7
Lat 17.81N 0.07 Lon 122.13E 0.08
Dep 46.1 5.5 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Vol= 1.30 Plg=41 Azm=194
N 0.29 48 356
P -1.59 9 96
Best Double Couple:Mo=1.4*10**17
NP1:Strike=227 Dip=55 Slip= 155
NP2: 332 69 38

21 15 15 54.04 50.873N 172.575W 33km
5.3mb (68 obs.) 4.7Msz (4 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centraid Location:
Origin Time 15:15:53.7 1.1
Lat 51.26N 0.10 Lon 172.96W 0.28
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Vol= 4.80 Plg= 5 Azm= 4
N -0.48 16 96
P -4.32 73 257
Best Double Couple:Mo=4.6*10**16
NP1:Strike= 77 Dip=42 Slip=-115
NP2: 289 52 -69

22 07 43 36.21 14.558S 167.887E 33km
5.1mb (27 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 29C
Centroid Location:
Origin Time 07:43:53.5 0.6
Lot 14.88S FIX;Lon 167.82E FIX
Dep 193.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Vol= 2.11 Plg=85 Azm=352
N -0.77 5 180
P -1.34 1 90
Best Double Couple:Mo=1.7*10**17
NP1:Strike=175 Dip=45 Slip= 83
NP2: 5 46 97

22 11 48 45.53 19.648S 69.128W 103km
5.3mb (36 obs.)
NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 11:48:51.6 0.3
Lat 19.59S 0.04 Lon 69.30W 0.06
Dep 111.1 3.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Vol= 2.23 Plg=26 Azm= 74
N -0.40 5 341
P -1.84 63 240
Best Double Couple:Mo=2.0*10**17
NP1:Strike=176 Dip=19 Slip= -74
NP2: 339 71 -96

22 21 16 52.62 11.915N 85.798W 28km
5.0mb (14 obs.) 4.6Msz (5 obs.)
NICARAGUA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 21:17: 4.7 1.2
Lat 11.64N FIX;Lon 86.15W FIX
Dep 15.0 FIX Half-durotion 2.0
Principal Axes:
Scole 10**17 Nm
T Vol= 1.59 Plg=58 Azm= 30
N 0.02 5 127
P -1.61 31 220
Best Double Couple:Mo=1.6*10**17
NP1:Strike=326 Dip=14 Slip= 109
NP2: 126 76 85

22 21 20 43.54 14.640S 167.934E 19km
5.6mb (28 obs.) 5.3Msz (8 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 21:20:48.5 0.4
Lot 14.61S FIX;Lon 167.95E FIX
Dep 15.0 BDY Half-duration 2.1
Principal Axes:
Scole 10**17 Nm
T Vol= 2.07 Plg=77 Azm=276
N 0.35 0 186

P -2 43 13 96
Best Double Couple:Mo=2.2*10**17
NP1:Strike=186 Dip=32 Slip= 90
NP2: 6 58 90

22 21 49 08.64 14.607S 167.939E 22km
5.7mb (39 obs.) 5.4Msz (6 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B : 15S, 32C
Centroid Location:
Origin Time 21:49:13.6 0.4
Lat 14.53S FIX;Lon 167.90E FIX
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 4.05 Plg=69 Azm=303
N 0.51 11 183
P -4.56 18 90
Best Double Couple:Mo=4.3*10**17
NP1:Strike=163 Dip=29 Slip= 67
NP2: 9 64 102

23 05 01 44.51 0.611S 146.473E 24km
5.9mb (58 obs.) 6.0Msz (24 obs.)
ADMIRALTY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=235 Dip=90 Slip= 16
NP2: 145 74 180
Principal Axes:
T Plg=11 Azm=101
P 11 9
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. C
Energy 1.1±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 17 No. of sta: 13
Principal Axes:
Scale 10**18 Nm
T Val= 2.49 Plg= 6 Azm=111
N -0.53 80 235
P -1.96 8 20
Best Double Couple:Mo=2.2*10**18
NP1:Strike=156 Dip=80 Slip=-178
NP2: 65 88 -10
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 31C M.W.: 10S, 21C
Centroid Location:
Origin Time 05:01:53.7 0.2
Lat 0.35S 0.02 Lon 146.36E 0.02
Dep 24.1 2.0 Half-durotion 4.6
Principal Axes:
Scale 10**18 Nm
T Val= 2.43 Plg= 6 Azm=112
N -0.46 56 211
P -1.97 33 18
Best Double Couple:Mo=2.2*10**18
NP1:Strike=161 Dip=62 Slip=-159
NP2: 61 72 -29

23 21 38 18.75 21.568S 176.483W 181km
6.4mb (60 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=85 Slip= -90
NP2: 200 5 -90
Principal Axes:
T Plg=40 Azm=110
P 50 290
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 7.7±3.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 186 No. of sta: 14
Principal Axes:
Scale 10**19 Nm
T Val= 2.56 Plg=36 Azm=130
N 0.00 20 25
P -2.56 48 272
Best Double Couple:Mo=2.6*10**19
NP1:Strike=276 Dip=21 Slip= -18
NP2: 23 84 -110
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 45C M.W.: 16S, 41C
Centroid Location:
Origin Time 21:38:29.4 0.1
Lat 21.29S 0.01 Lon 176.22W 0.01
Dep 194.8 0.6 Half-duration 10.0
Principal Axes:
Scale 10**19 Nm
T Val= 2.23 Plg=39 Azm=119
N -0 12 11 20
P -2 11 49 278
Best Double Couple:Mo=2.2*10**19
NP1:Strike=264 Dip=12 Slip= -26
NP2: 19 85 -101

24 08 35 24.98 21.610S 176.502W 193km
5.6mb (61 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C
Centraid Location:
Origin Time 08:35:32.3 0.5
Lat 21.38S 0.05 Lon 176.62W 0.03
Dep 201.3 1.4 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.01 Plg=14 Azm=113
N -0.64 10 20
P -5.37 73 258
Best Double Couple:Mo=5.7*10**17
NP1:Strike=216 Dip=32 Slip= -72
NP2: 15 60 -101

24 09 45 57.00 36.863N 49.405E 10km
5.1mb (63 obs.) 4.7Msz (6 obs.)
WESTERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 29C
Centroid Locotion:
Origin Time 09:45:55.6 1.2
Lat 36.08N 0.12 Lon 48.91E 0.12
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 0.91 Plg= 4 Azm=187
N 0.51 64 284
P -1.42 26 95
Best Double Couple:Mo=1.2*10**17
NP1:Strike=234 Dip=69 Slip=-163
NP2: 138 75 -22

25 07 19 05.11 56.115N 164.572E 31km
5.0mb (43 obs.) 4.9Msz (14 obs.)
KOMANDORSKY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 07:19: 6.9 0.4
Lat 56.38N 0.07 Lon 164.45E 0.10
Dep 28.4 7.3 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.29 Plg= 0 Azm=256
N -0.27 84 166
P -7.02 6 346
Best Double Couple:Mo=7.2*10**16
NP1:Strike= 31 Dip=86 Slip= -4
NP2: 122 86 -176

25 19 53 39.53 3.458S 131.000E 34km
5.3mb (27 obs.) 4.9Msz (6 obs.)
WEST IRIAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centraid Location:
Origin Time 19:53:46.1 0.8
Lat 2.82S 0.06 Lon 130.78E 0.05
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.55 Plg=57 Azm=265
N -0 23 12 155
P -3.32 30 58
Best Double Couple:Mo=3.4*10**17
NP1:Strike=116 Dip=19 Slip= 50
NP2: 338 76 102

26 02 36 21.72 1.158N 122.980E 31km
5.1mb (9 obs.) 4.4Msz (5 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centraid Location:
Origin Time 02:36:28.9 1.4
Lat 1.94N 0.10 Lon 123.01E 0.08
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 10.16 Plg=61 Azm=238
N -2.12 19 110
P -8.04 21 12
Best Double Couple:Mo=9.1*10**16
NP1:Strike= 72 Dip=29 Slip= 49
NP2: 297 68 110

26 12 08 29.39 22.015S 179.473W 587km
6.0mb (57 obs.)
SOUTH OF FIJI ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 13 Dip=84 Slip= -50
NP2: 110 40 -171
Principal Axes:
T Plg=28 Azm= 72
P 38 318
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a large left-lateral strike-slip component. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 4.9±0.6*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 581 No. of sta: 12
Principal Axes:
Scale 10**18 Nm
T Val= 3.14 Plg=28 Azm=116
N -1.18 20 15
P -1.96 54 255
Best Double Couple:Mo=2.6*10**18
NP1:Strike=247 Dip=24 Slip= -36
NP2: 10 76 -110
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 43C
Centroid Location:
Origin Time 12:08:38.5 0.3
Lat 21.71S 0.03 Lon 179.60W 0.02
Dep 613.8 1.2 Half-duration 5.1
Principal Axes:
Scale 10**18 Nm
T Val= 2.66 Plg=45 Azm=100
N 0.08 15 206
P -2.74 41 309
Best Double Couple:Mo=2.7*10**18
NP1:Strike=107 Dip=15 Slip= 172
NP2: 205 88 75

26 21 54 45.73 34.858N 138.990E 150km
5.2mb (90 obs.)
NEAR S. COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centraid Location:
Origin Time 21:54:49.3 0.7
Lat 34.91N 0.08 Lon 138.61E 0.06
Dep 152.5 3.0 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.22 Plg=48 Azm= 61
N 0.25 23 180
P -1.47 33 285
Best Double Couple:Mo=1.4*10**17
NP1:Strike= 67 Dip=25 Slip= 160
NP2: 176 82 67

27 02 00 45.82 52.364N 173.953W 33km
4.9mb (43 obs.) 5.1Msz (21 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centraid Location:
Origin Time 02:00:46.9 0.6
Lat 52.47N 0.08 Lon 174.26W 0.10

Dep 15.0 FIX Half-duration 1 9
Principal Axes:
Scale 10**17 Nm
T Val= 1 36 Plg=11 Azm= 45
N −0 08 66 161
P −1.27 21 310
Best Double Couple:Mo=1.3*10**17
NP1:Strike= 89 Dip=67 Slip=−173
NP2: 356 83 −23

27 05 10 13.46 21.734S 176.451W 189km
5.1mb (30 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 05:10:17.2 1.1
Lat 21.99S 0.12 Lon 176.28W 0.08
Dep 183.4 2.6 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.35 Plg=36 Azm=126
N 0.16 12 27
P −1.52 52 282
Best Double Couple:Mo=1.4*10**17
NP1:Strike=261 Dip=14 Slip= −35
NP2: 26 82 −102

29 03 53 28.76 21.552S 179.332W 616km
5.7mb (56 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 03:53:37.8 0.5
Lat 21.18S 0.05 Lon 179.42W 0.03
Dep 631.0 2.2 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.32 Plg=53 Azm=119
N 0.53 19 236
P −4.85 30 338
Best Double Couple:Mo=4.6*10**17
NP1:Strike=111 Dip=23 Slip= 148
NP2: 232 78 71

29 06 31 25.89 28.578S 68.746W 123km
5.2mb (34 obs.)
LA RIOJA PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 06:31:30.3 0.7
Lat 28.66S 0.06 Lon 68.83W 0.09
Dep 117.3 3.5 Half-durotion 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 9.15 Plg= 9 Azm=224
N 1.08 6 133
P −10.22 79 12
Best Double Couple:Mo=9.7*10**16
NP1:Strike=321 Dip=36 Slip= −80
NP2: 129 55 −97

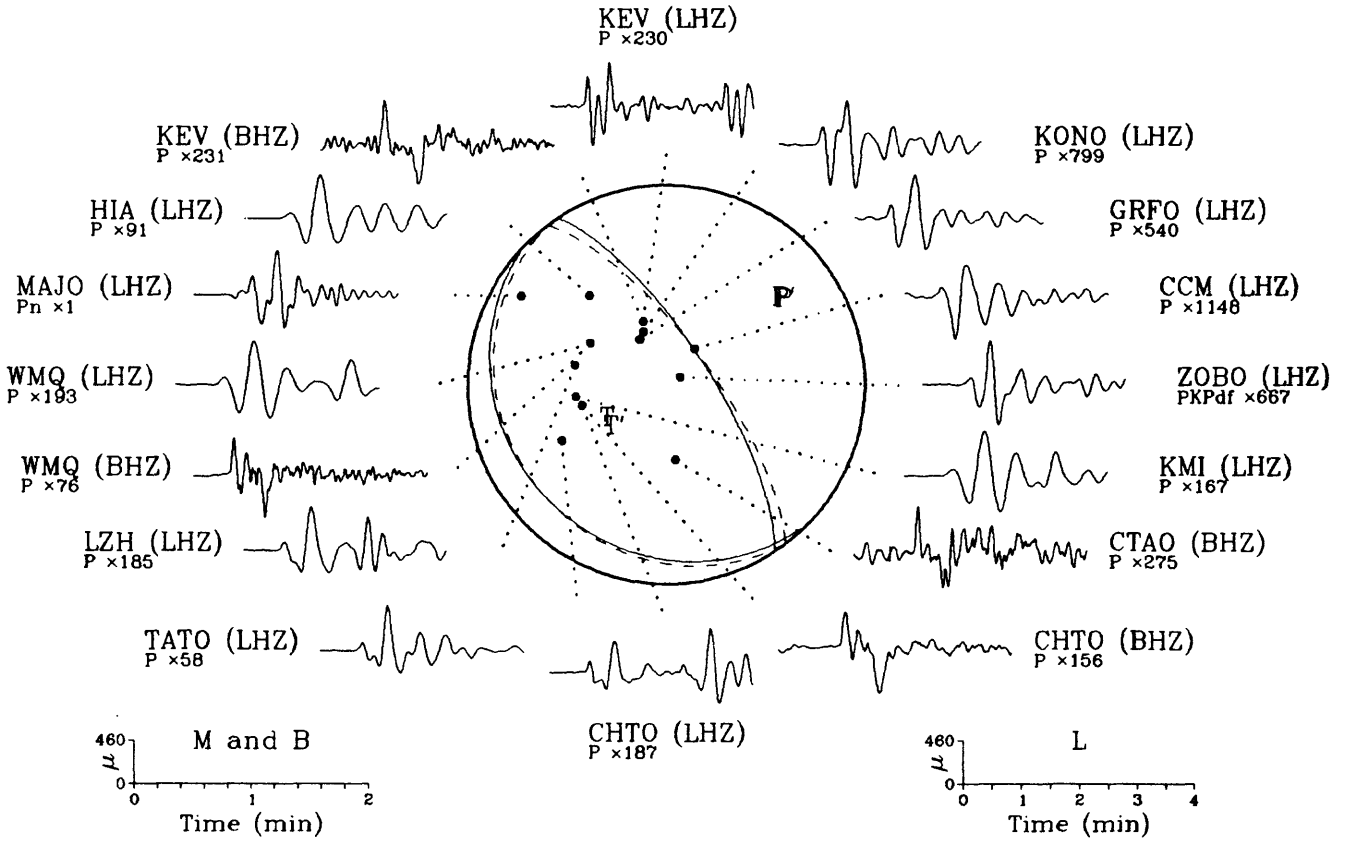
30 09 41 02.28 28.453N 43.735W 10km
5.1mb (52 obs.) 5.1Msz (16 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 09:41: 7.4 0.4
Lat 28.63N 0.05 Lon 43.24W 0.04
Dep 15.0 FIX Half-durotion 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.79 Plg= 0 Azm= 95
N −0.52 0 5
P −1.27 90 180
Best Double Couple:Mo=1.5*10**17
NP1:Strike=185 Dip=45 Slip= −90
NP2: 5 45 −90

30 14 51 07.94 9.857N 84.392W 8km
5.2mb (50 obs.) 5.2Msz (14 obs.)
COSTA RICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Location:
Origin Time 14:51:16.3 0.8
Lat 9.99N 0.06 Lon 84.66W 0.06
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.89 Plg= 2 Azm=112
N 0.24 57 206
P −2.13 32 21
Best Double Couple:Mo=2.0*10**17
NP1:Strike=161 Dip=66 Slip=−157
NP2: 62 70 −26

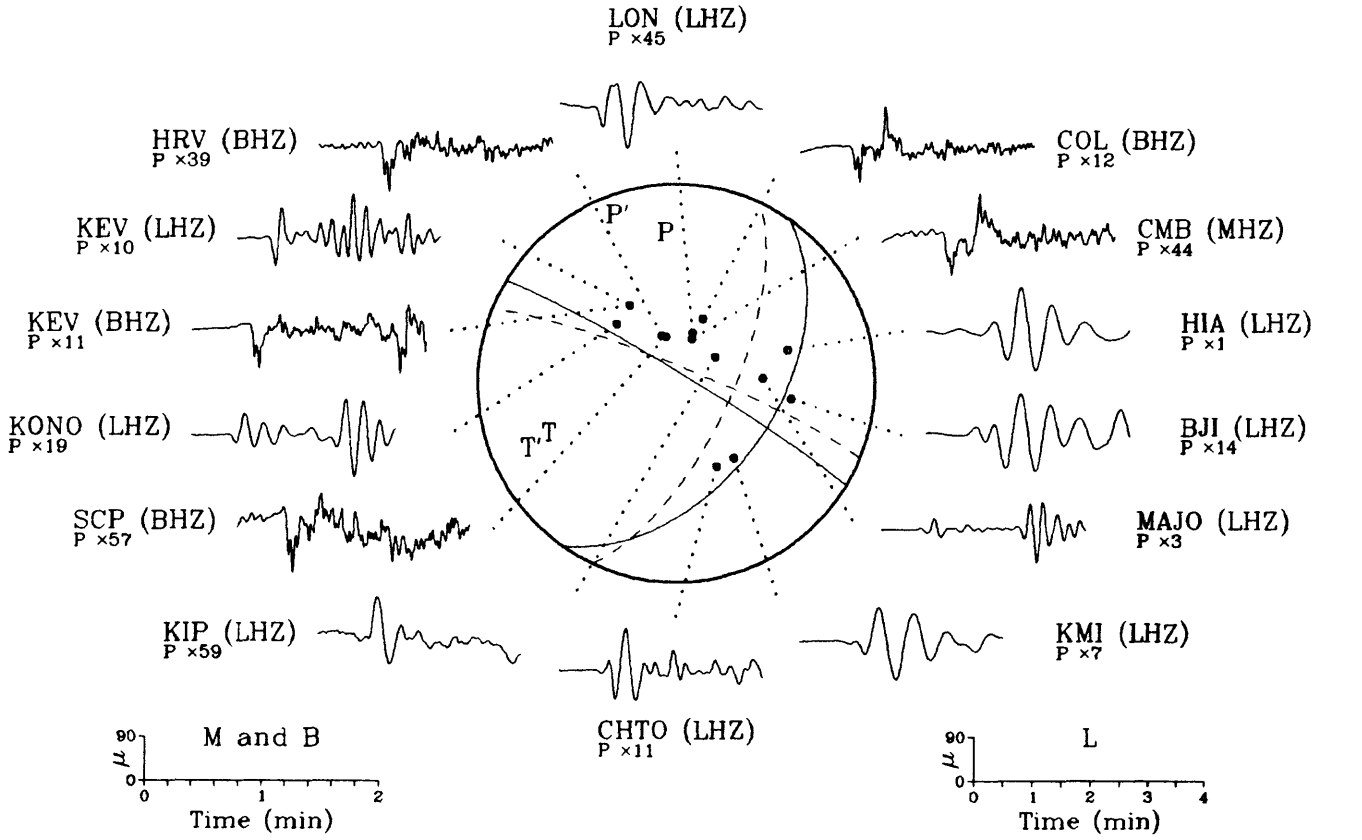
30 18 49 18.08 44.290N 149.179E 9km
5.2mb (59 obs.) 4.9Msz (9 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 18:49:24.7 0.7
Lat 44.25N 0.06 Lon 149.70E 0.09
Dep 35.1 4.0 Half-durotion 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 7.26 Plg=82 Azm=309
N 2.51 0 219
P −9 77 8 129
Best Double Couple:Mo=8.5*10**16
NP1:Strike=219 Dip=37 Slip= 90
NP2: 39 53 90

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

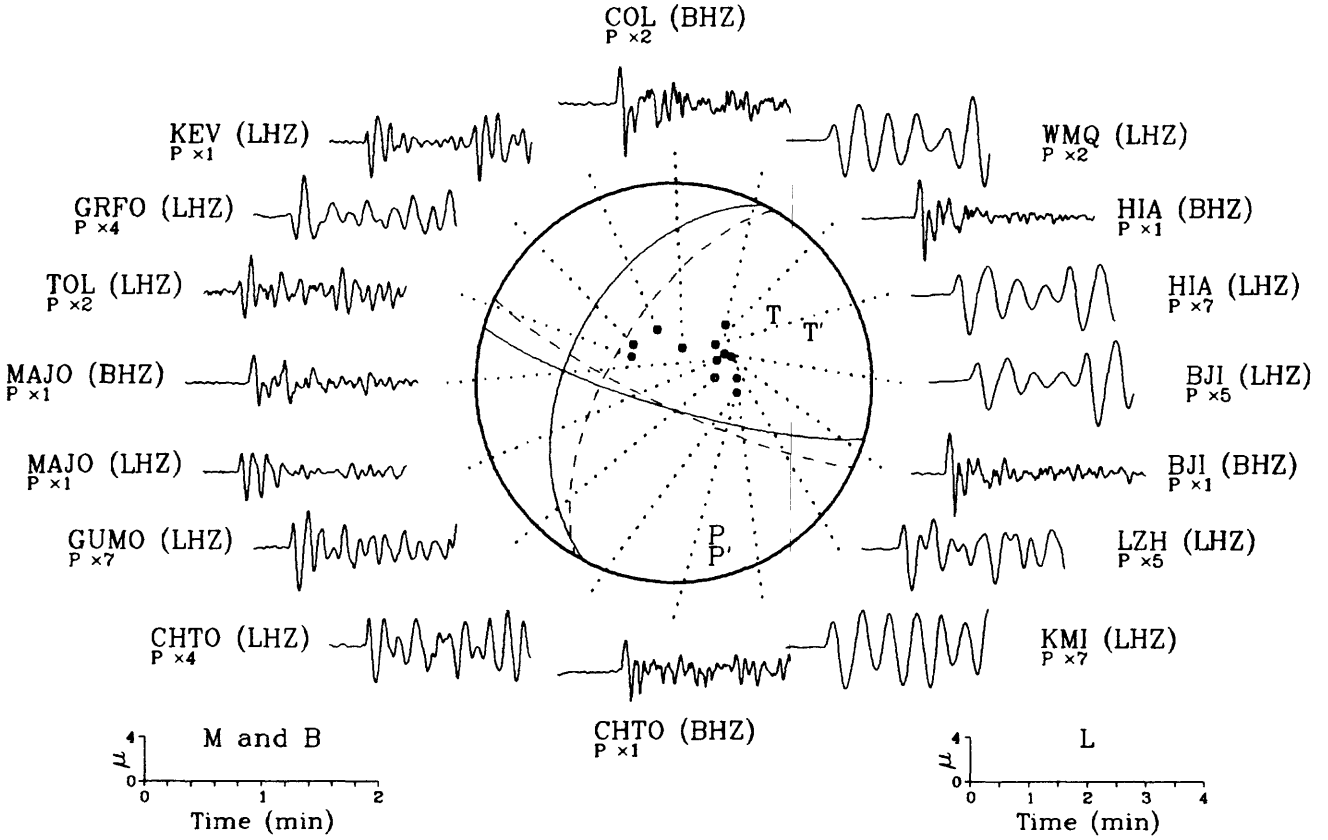
01 June 1990 01:22:11.59
Near East Coast of Honshu, Japan



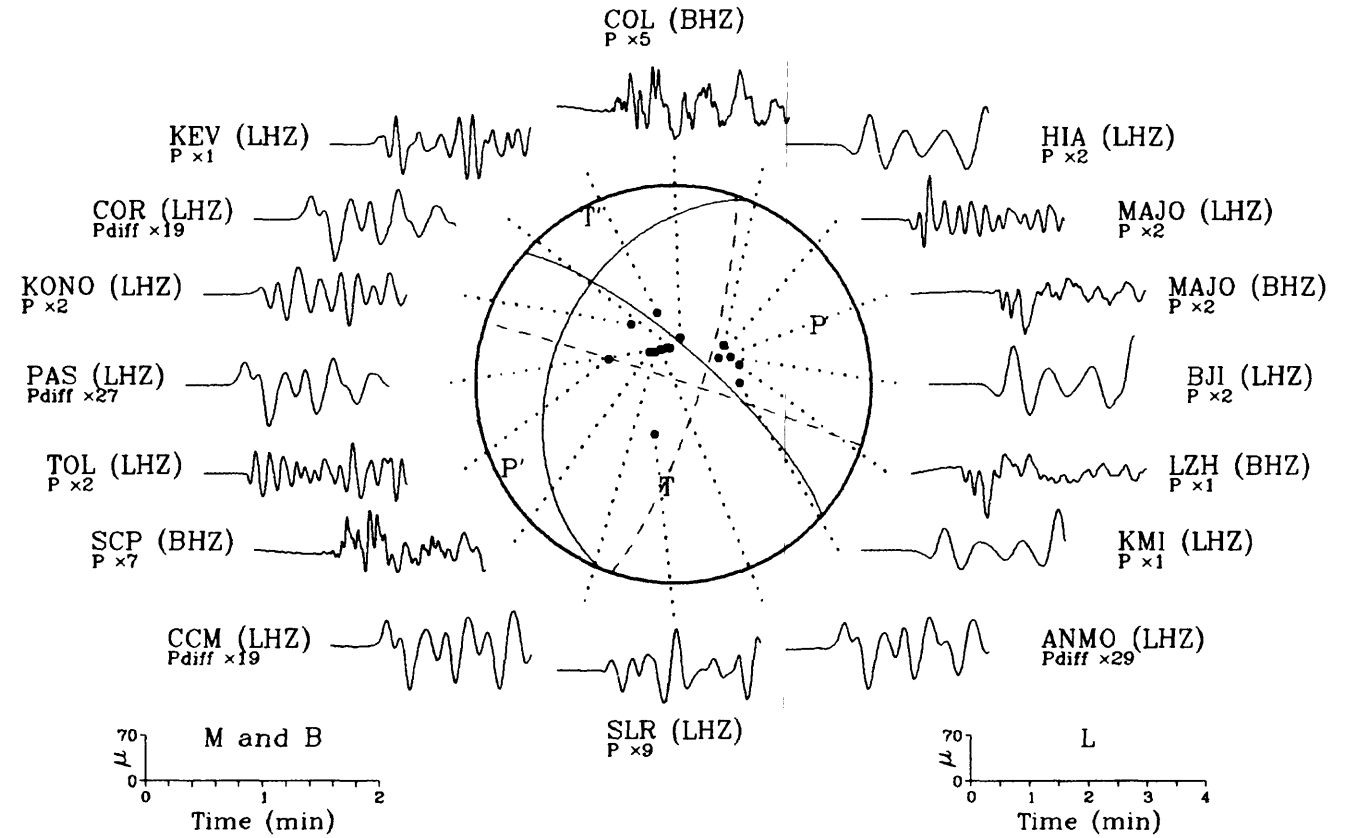
14 June 1990 12:47:28.82
Kazakh–Xinjiang Border Region



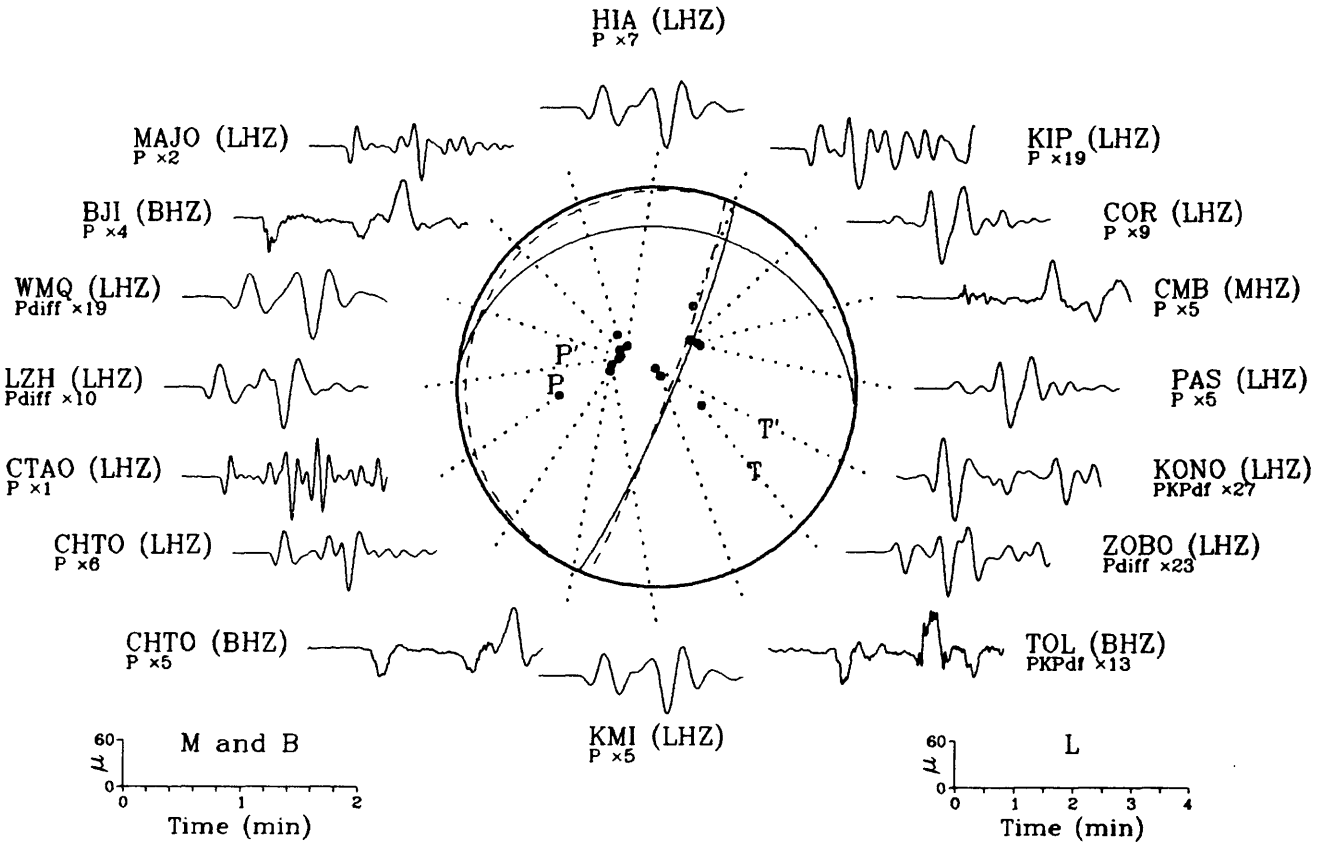
17 June 1990 04:51:45.51
Pakistan



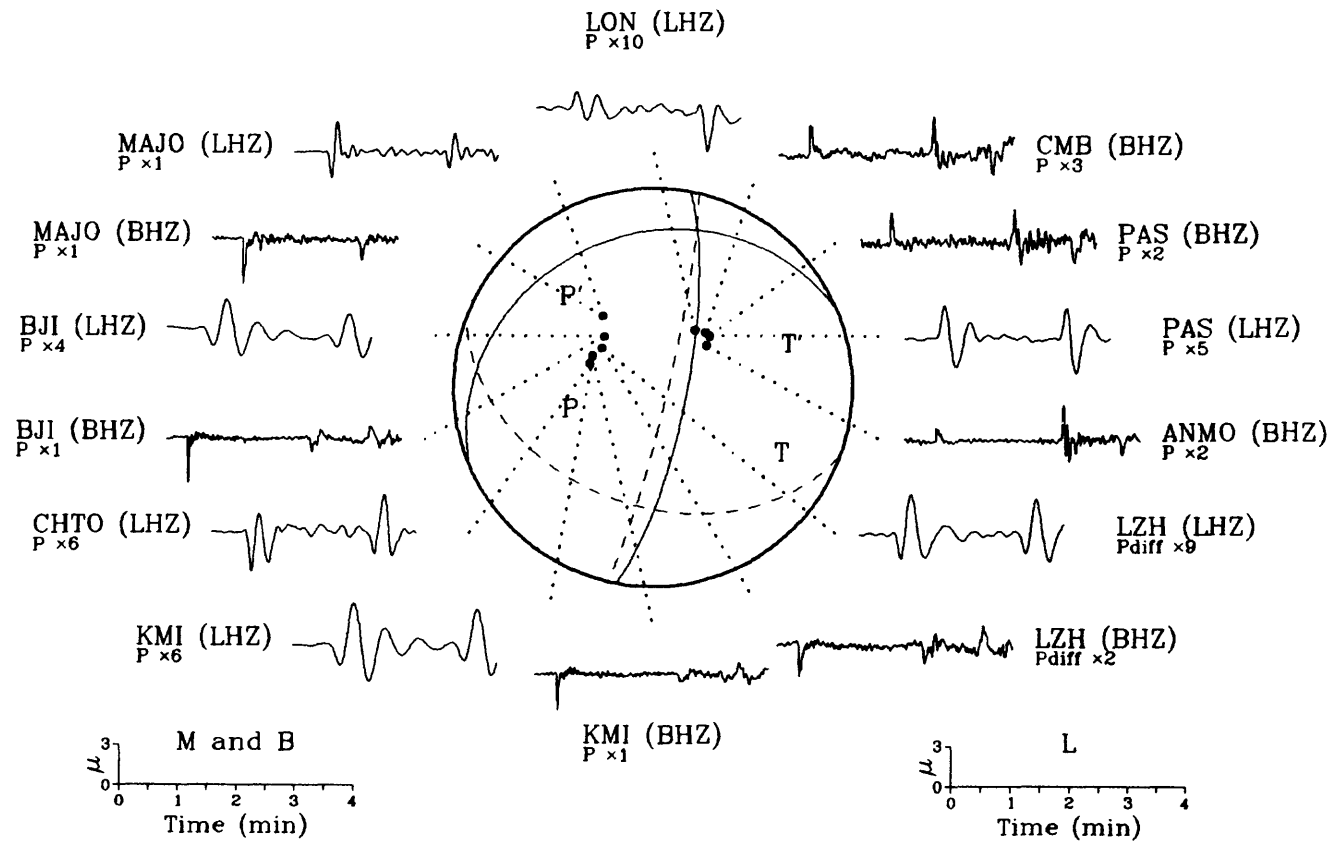
20 June 1990 21:00:09.98
Western Iran



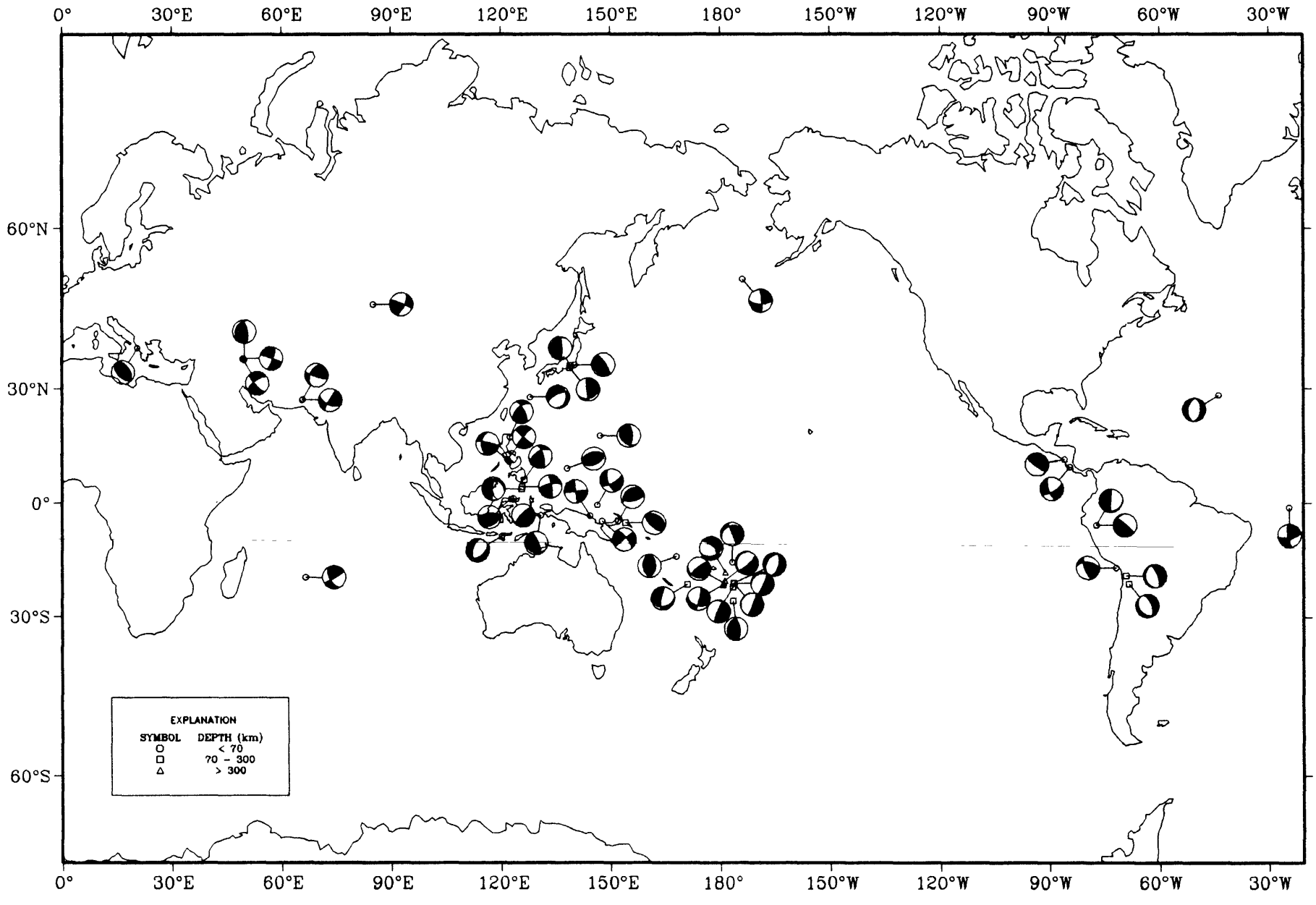
23 June 1990 21:38:18.75
Fiji Islands Region

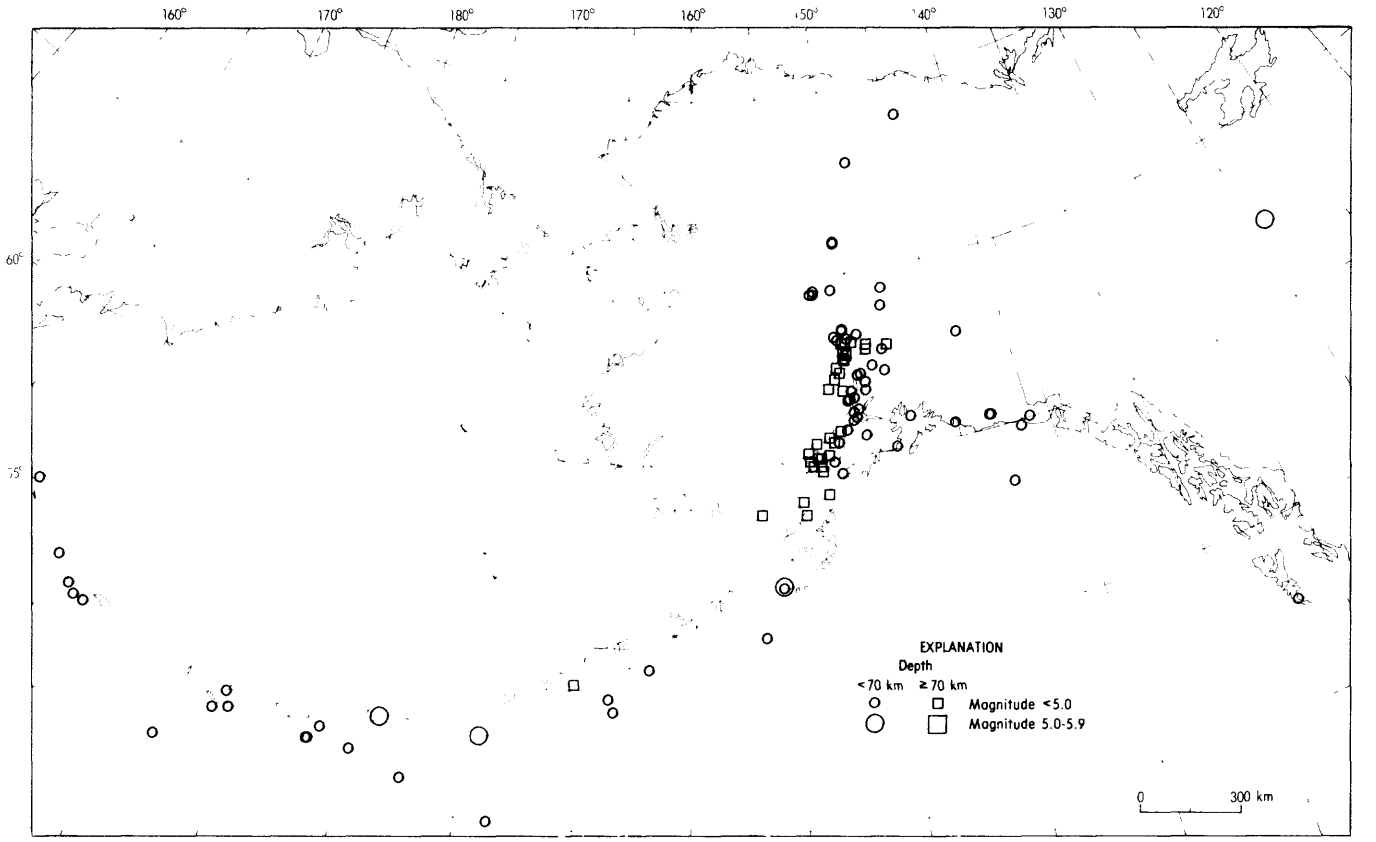


26 June 1990 12:08:29.39
South of Fiji Islands

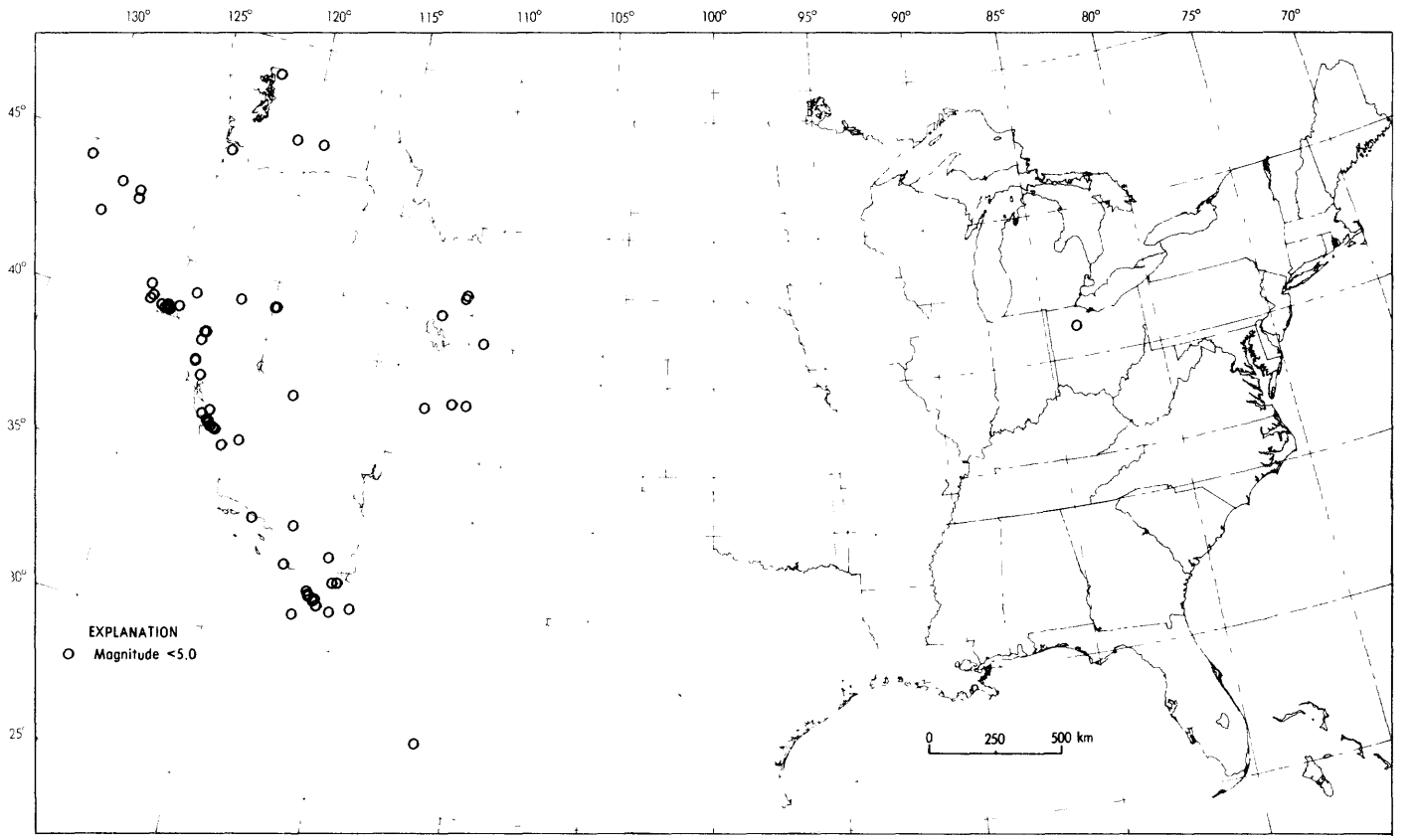


Earthquake Focal Mechanisms for June 1990

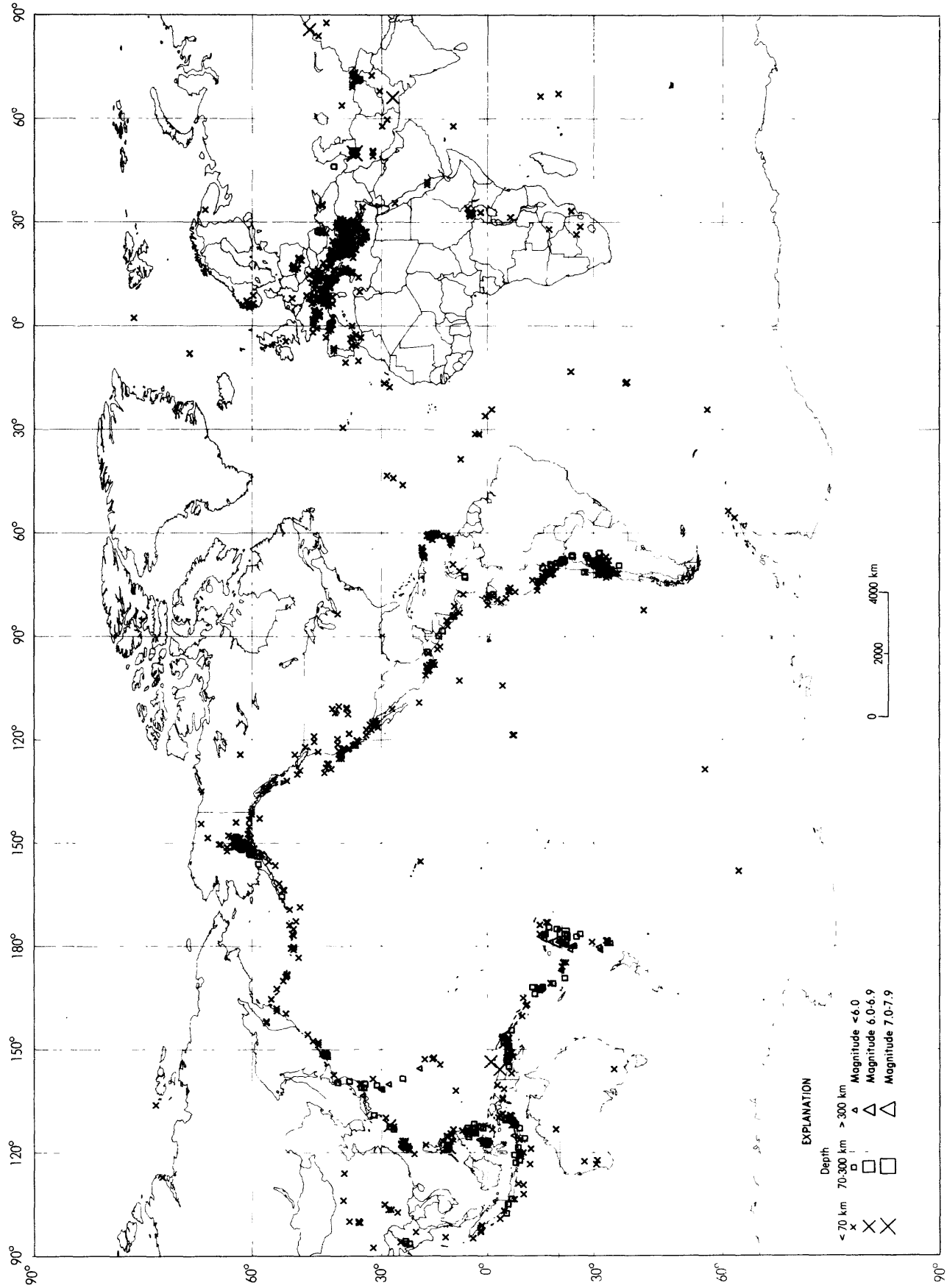




Earthquake epicenters in Alaska and adjacent regions for June, 1990 (C. Stover).



Earthquake epicenters in the conterminous United States and adjacent regions for June, 1990 (C. Stover).



Earthquakes located in June, 1990 (C. Stover).