UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

OCTOBER - DECEMBER 1989

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

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1989

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National Earthquake Information Center

OCTOBER 1989

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES MB	Msz	GS	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	39	29.2	44.585	N	6.876	E	14					0.3	21	FRANCE. ML 2.1 (LDG).
	01	00	49	52.2*	33.798	S	70.335	W	119	?				0.3	11	CHILE-ARGENTINA BORDER REGION
	01	01	47	23.1*	6.738	S	147.756	E	33	N	4.6			0.9	6	EAST PAPUA NEW GUINEA REGION
	01	02	27	48.4?	20.56	S	69.28	W	33	N				1.0	6	NORTHERN CHILE
	01	02	59	06.3	30.960	N	51.421	E	42		5.2	4.7		1.0	246	IRAN. At least 300 homes damaged and four landslides blocked roads in the Deh Borzorg-e Sisakht orea. Felt in the Yasuj area.
	01	03	16	54.9	6.562	S	130.098	E	155	*	5.3			1.2	59	BANDA SEA
	01	04	20	52.3	42.608	N	18.789	E	10	G				0.6	8	YUGOSLAVIA ML 2.2 (TTG).
	01	05	02	59.9*	10.886	N	62.235	W	33					0.8	9	NEAR COAST OF VENEZUELA. MD 3.6 (TRN).
	01	08	25	27.5&	59.480	N	152.561	W	81						33	SOUTHERN ALASKA. <AGS-P>.
	01	08	41	43.7	44.062	N	8.205	E	10	G				0.3	8	NORTHERN ITALY. ML 2.4 (GEN).
	01	08	42	58.0	8.402	N	82.763	W	35		5.1	4.0		1.2	40	PANAMA-COSTA RICA BORDER REGION. MD 5.1 (UPA), 5.1 (SJR). Felt (IV) at Puerto Armuelles and (III) at Concepcion, David and Boquete, Panama. Also felt (III) ot Paso Canaas, Costa Rica.
	01	09	34	04.2	43.987	N	7.575	E	10	G				0.2	9	NEAR SOUTH COAST OF FRANCE. ML 2.5 (GEN).
	01	10	34	06.4?	43.09	N	0.40	W	10	G				0.1	4	PYRENEES. MD 2.6 (STR).
	01	10	58	18.0%	38.348	S	175.568	E	228	*				0.4	20	NORTH ISLAND, NEW ZEALAND
	01	12	30	18.0	39.367	N	25.834	E	10	G				0.6	8	AEGEAN SEA MD 3.4 (ATH).
	01	12	50	46.8*	25.118	N	122.210	E	207		4.2			1.1	17	TAIWAN REGION
	01	13	10	24.7&	38.147	N	121.923	W	18						21	NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=2.2*10**14 Nm (BRK). Felt ot Fairfield.
	01	13	19	27.9&	38.167	N	121.925	W	18						19	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=1.7*10**14 Nm (BRK) Felt ot Fairfield.
	01	13	27	04.0?	51.69	N	168.58	W	33	N	4.4			1.4	6	FOX ISLANDS, ALEUTIAN ISLANDS
	01	14	16	15.7%	38.128	N	141.692	E	10	G				0.9	7	NEAR EAST COAST OF HONSHU, JAPAN
	01	15	15	48.0	6.064	S	148.615	E	82	*	4.8			1.3	28	NEW BRITAIN REGION
	01	15	57	08.3%	42 628	N	18.770	E	10	G				0.5	6	YUGOSLAVIA. ML 2.2 (TTG).
	01	17	02	23.1?	28.48	N	128.81	E	137	?	4.2			0.6	9	RYUKYU ISLANDS
	01	18	38	55.2*	34.647	N	33.160	E	33	N				0.9	6	CYPRUS. ML 3.3 (CSS).
	01	19	14	32.1	7 546	S	154.775	E	36	*	5.2			0.9	83	SOLOMON ISLANDS
	01	19	24	33.2	31.072	N	131.435	E	49		5.0	5.0		1.1	72	KYUSHU, JAPAN. Felt (I JMA) at Miyazaki and Kagoshima.
	01	20	33	21.2?	23.91	N	122.89	E	10	G				1.0	5	TAIWAN REGION
	01	21	55	07.0	17.571	S	70.511	W	139	*				0.7	9	NEAR COAST OF PERU
	01	22	08	36.0&	36.555	N	121.177	W	7						17	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	01	22	35	13.6&	42.684	N	111 272	W	0						19	EASTERN IDAHO. <SLC-P>. ML 3.7 (SLC).
	01	23	44	02.9?	30.64	S	179.84	E	33	N	4.7			1.4	7	KERMADEC ISLANDS REGION
	02	01	03	01.0	37.649	N	15.048	E	10	G				0.3	6	SICILY
	02	01	17	29.1	41.789	N	20 395	E	10	G				1.2	6	ALBANIA. ML 3.0 (SKO).
	02	02	52	23.2	41.808	N	32.473	E	10	G				1.3	19	TURKEY
	02	03	06	00.2?	46.24	N	7.38	E	10	G				0.7	5	SWITZERLAND
	02	03	09	21.8*	16.639	N	93.686	W	170	*				1.3	13	CHIAPAS, MEXICO
	02	03	12	05.1	44.555	N	6.859	E	13					0.6	33	FRANCE. ML 2.9 (GEN), 2.8 (LDG). MD 2.1 (STR).
	02	04	19	06.3	42.622	N	18.761	E	10	G				1.0	11	YUGOSLAVIA. ML 2.3 (TTG).
	02	06	02	14.2%	40.829	N	22.960	E	10	G				0.3	5	GREECE
	02	06	04	36.2%	38.143	N	5.867	W	10	G				1.3	5	SPAIN
a	02	07	55	40.6	10.531	N	126.918	E	25		5.4	4.5		1.0	128	PHILIPPINE ISLANDS REGION
	02	08	15	42.1*	37.666	N	15.221	E	10	G				0.5	5	SICILY
	02	08	17	05.2	46.653	N	9.824	E	10	G				1.1	13	SWITZERLAND
	02	09	08	39.7	50.749	N	130.029	W	10	G	3.8			1.0	37	VANCOUVER ISLAND REGION
	02	10	00	32.0?	76.46	N	133.41	E	10	G	4.5			1.3	21	LAPTEV SEA
	02	10	33	26.2?	24.43	N	122.37	E	33	N				0.2	5	TAIWAN REGION
	02	10	36	41.3*	8.879	S	124.571	E	33	N	4.8			0 8	10	TIMOR
	02	11	41	55.6	33.646	N	34.819	E	29		3.7			1 0	39	EASTERN MEDITERRANEAN SEA. ML 4.1 (CSS), 3.7 (BHL). MD 4 1 (HLW) Felt ot Haifa, Afulo, and in other parts of narthern Israel
	02	12	19	18.7	52.584	N	169.215	W	33	N	4.8			0.8	22	FOX ISLANDS, ALEUTIAN ISLANDS

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	02	12	20	36.9*	33.684	N	34.866	E	33	N		0.9	13	EASTERN MEDITERRANEAN SEA. ML 3.3 (CSS), 3.0 (JER). Felt at Haifa and Afula, Israel.
	02	12	32	30.9	49.172	N	6.806	E	10	G		0.5	9	GERMANY. MD 2.0 (STR).
	02	13	11	06.7%	60.714	N	5.508	E	10	G		0.6	8	SOUTHERN NORWAY. ML 1.8 (BER).
	02	13	44	38.9*	36.558	N	22.049	E	33	N		1.1	8	SOUTHERN GREECE. ML 3.5 (ATH).
	02	14	01	43.5&	57.494	N	142.877	W	10	G			39	GULF OF ALASKA. <AGS-P>.
	02	15	02	32.1?	28.86	S	26.99	E	5	G		1.3	4	REPUBLIC OF SOUTH AFRICA
	02	15	22	01.9	4.854	N	78.412	W	10		4.7	1.0	31	SOUTH OF PANAMA
	02	15	24	10.2?	41.41	N	28.26	E	10	G		0.8	5	TURKEY
	02	15	54	54.7%	60.650	N	5.904	E	10	G		0.4	7	SOUTHERN NORWAY. MD 1.9 (BER).
	02	16	07	05.9?	24.60	S	111.59	E	10	G		1.4	9	WEST OF AUSTRALIA
	02	16	23	08.4	44.376	N	7.369	E	10	G		0.3	9	NORTHERN ITALY. ML 2.3 (GEN).
	02	16	43	25.8?	42.41	N	7.12	W	10	G		1.5	4	SPAIN
	02	18	01	18.6*	35.498	N	26.405	E	33	N		0.3	5	CRETE. MD 3.3 (ATH).
	02	20	32	15.5?	39.22	N	20.41	E	10	G		0.7	4	GREECE-ALBANIA BORDER REGION. MD 2.7 (ATH).
	02	20	55	58.0?	37.85	N	30.31	E	10	G		1.3	4	TURKEY
	02	21	04	39.0*	37.599	N	27.222	E	10	G		0.9	6	TURKEY. MD 3.3 (ATH).
	02	21	08	29.1	37.780	N	26.959	E	10	G		1.3	11	DODECANESE ISLANDS. MD 3.3 (ATH).
	02	21	36	22.0%	40.365	N	23.144	E	10	G		0.2	6	GREECE
	02	21	41	10.6	38.732	N	23.608	E	10	G		0.9	14	GREECE. ML 3.2 (ATH).
	02	22	10	16.2	47.071	N	156.299	E	33	N	5.0	0.8	84	KURIL ISLANDS REGION
	03	00	02	29.4	42.136	N	15.597	E	30			0.8	12	ADRIATIC SEA
	03	01	58	50.7?	36.47	N	28.53	E	31	*		0.8	6	DODECANESE ISLANDS
	03	02	15	32.4	41.210	S	174.562	E	45		4.7 4.1	1.1	22	COOK STRAIT, NEW ZEALAND. Felt at Wellington.
	03	02	32	14.4?	15.21	N	60.10	W	33	N		1.1	6	LEEWARD ISLANDS
	03	05	13	53.7*	7.084	S	146.049	E	185		5.2	1.1	17	EAST PAPUA NEW GUINEA REGION
	03	05	15	33.3	37.950	N	22.204	E	10	G		1.0	11	SOUTHERN GREECE. ML 3.1 (ATH).
	03	05	42	15.1	41.435	N	21.048	E	5	G		1.2	8	YUGOSLAVIA. ML 2.7 (TTG), 2.3 (SKO).
	03	06	23	14.0%	24.712	N	121.240	E	10	G		0.7	5	TAIWAN
	03	06	23	22.0&	37.160	N	118.237	W	9				10	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.1 (BRK).
	03	08	21	07.5?	41.37	N	29.27	E	10	G		0.6	6	TURKEY
	03	08	36	34.5	38.638	N	26.971	E	7			1.1	35	AEGEAN SEA. ML 3.7 (ATH). Felt at Izmir, Turkey.
	03	09	13	56.3?	31.83	S	72.01	W	10	G		0.7	11	OFF COAST OF CENTRAL CHILE
	03	09	41	32.6	44.529	N	10.128	E	26		4.1	1.1	128	NORTHERN ITALY. ML 4.2 (FUR), 4.1 (LDG), 3.5 (ROM), 3.2 (LJU). MD 3.9 (TRI), 3.8 (STR).
	03	10	06	54.3%	41.133	N	28.474	E	10	G		0.8	8	TURKEY
	03	10	08	59.2	38.533	N	23.542	E	10	G		1.2	31	GREECE. ML 3.8 (ATH).
	03	10	19	48.5	40.163	N	142.491	E	55	*		0.9	18	NEAR EAST COAST OF HONSHU, JAPAN. MG 4.1 (JMA). Felt (I JMA) at Hachinohe.
	03	10	20	38.5*	3.005	S	128.052	E	60	*	5.0	0.9	17	CERAM
	03	11	34	39.9*	44.033	N	128.482	W	10	G	4.4	0.4	36	OFF COAST OF OREGON
	03	11	39	46.8%	40.239	N	1.938	W	10	G		0.6	5	SPAIN. mbLg 2.5 (MDD).
	03	11	46	19.2?	18.47	S	177.84	W	623	*	4.6	0.9	12	FIJI ISLANDS REGION
	03	12	53	37.9&	40.570	N	124.597	W	20				17	NEAR COAST OF NORTHERN CALIF <BRK>. ML 3.3 (BRK). Felt (IV) at Eureka; (III) at Ferndale, Fortuna, Redcrest, Rio Dell and Scotia; (II) at Miranda. Also felt at Arcata and Trinidad.
	03	13	46	53.2%	60.481	N	5.345	E	10	G		0.7	7	SOUTHERN NORWAY. ML 1.5 (BER).
	03	14	01	06.4*	36.437	N	140.745	E	60	?		0.8	8	NEAR EAST COAST OF HONSHU, JAPAN. MG 3.4 (JMA). Felt (II JMA) at Mito.
	03	14	30	31.4%	60.644	N	6.222	E	10	G		0.7	8	SOUTHERN NORWAY MD 1.7 (BER).
a	03	15	21	44.0	5.548	S	147.455	E	181	D	5.3	0.8	128	EAST PAPUA NEW GUINEA REGION
	03	16	07	23.8&	63.072	N	150.884	W	128				42	CENTRAL ALASKA. <AGS-P>.
	03	16	08	36.8*	8.200	S	158.795	E	143	*	4.9	1.0	27	SOLOMON ISLANDS
	03	18	43	47.7?	31.71	S	72.28	W	31			1.0	13	OFF COAST OF CENTRAL CHILE
	03	18	50	46.8&	39.653	N	122.520	W	5	G			7	NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK).
	03	19	21	28.2*	38.179	N	74.185	E	144	?	4.6	1.1	15	TAJIK-XINJIANG BORDER REGION
	03	21	03	42.3&	57.928	N	142.786	W	10	G			23	GULF OF ALASKA. <AGS-P>.
a	03	21	33	34.7	24.103	S	66.891	W	155	D	5.4	1.0	172	SALTA PROVINCE, ARGENTINA. Felt (III) in the Antofagasto area, Chile.
	03	21	49	25.2?	61 42	N	2.19	E	10	G		0.5	5	NORWEGIAN SEA. MD 2.0 (BER).
a	03	23	09	53.8	80.638	N	121.761	E	31	D	5.2 4.9	1.0	237	EAST OF SEVERNAYA ZEMLYA. Ms 5.3 (BRK).
	04	00	58	48.3*	36.654	N	22.145	E	33	N		1.4	7	SOUTHERN GREECE. MD 3.4 (ATH).
	04	02	54	06.0%	59.458	N	6.715	E	10	G		0.5	7	SOUTHERN NORWAY. MD 1.7 (BER).
	04	03	12	03.4?	1 75	N	122.23	E	33	N	4.8	1.1	9	MINAHASSA PENINSULA
	04	04	57	23.0	49 133	N	8.289	E	19			1.1	32	GERMANY. ML 3.4 (LDG), 2.9 (GRF). MD 3.0 (STR), 2.8 (UCC).
a	04	06	46	13.7	23.807	S	179.949	E	525		5.0	0.9	95	SOUTH OF FIJI ISLANDS. Felt on Raoul Island.
	04	07	26	01.5	38.563	N	27.006	E	10	G		0.9	10	TURKEY. MD 3.3 (ATH).
	04	07	31	37.6*	6.756	S	131.088	E	33	N	4.6	1.4	17	TANIMBAR ISLANDS REGION
	04	09	19	57.2?	33.14	S	72.26	W	10	G		0.4	9	OFF COAST OF CENTRAL CHILE
	04	09	58	23.3*	24.047	N	121.518	E	10	G		1.3	5	TAIWAN
	04	11	29	57.6	49.746	N	78.013	E	0	G	4.6	0.7	39	EASTERN KAZAKH SSR
	04	11	43	06.0*	33.316	S	118.010	E	10	G		1.5	5	WESTERN AUSTRALIA
	04	12	10	42.4%	46.562	N	9.928	E	10	G		0.3	7	SWITZERLAND
a	04	12	17	38.9	46.844	N	153.963	E	38	D	5.5 5.0	0.9	186	KURIL ISLANDS
	04	14	03	39.8&	66.002	N	151.598	W	10	G			10	ALASKA. <AGS-P>.
	04	14	14	08.6*	12.660	S	75.487	W	100	?		0.5	8	PERU
	04	14	31	00.0%	44.383	N	7.394	E	10	G		0.3	8	NORTHERN ITALY. ML 2.2 (GEN).
	04	14	34	47.6%	43.426	N	5.465	E	10	G		0.5	6	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	04	15	05	11.3%	37.090	N	6.764	W	10	G		0.5	7	SPAIN. mbLg 2.7 (MDD).
	04	15	08	56.7?	32.32	S	71.44	W	10	G		0.6	7	NEAR COAST OF CENTRAL CHILE
	04	15	31	59.9?	4.63	S	144.18	E	131	?		1.4	5	NEAR N COAST OF PAPUA NEW GUINEA
	04	15	34	54.0*	1.039	S	126.624	E	33	N	4.8	1.0	18	MOLUCCA SEA
	04	16	44	21.3%	44.586	N	7.399	E	10	G		0.1	6	NORTHERN ITALY. ML 1.9 (GEN).
	04	16	50	18.5?	16.19	N	94.60	W	33	N		0.4	5	OAXACA, MEXICO
	04	18	13	58.3	44.041	N	16.365	E	5	G		1.1	22	YUGOSLAVIA. ML 3.1 (ZAG), 2.6 (LJU) MD 3.4 (TRI). Felt (V) at Cetina. Also felt at Knin.
	04	19	15	38.1*	63.565	N	19.332	W	10	G	3.9	1.4	8	ICELAND
	04	19	28	28.1	44.476	N	7.297	E	12			0.4	22	NORTHERN ITALY. ML 2.2 (GEN), 2.1 (LDG).
	04	21	25	13.9?	28.08	N	33.73	E	10	G		1.5	5	ARAB REPUBLIC OF EGYPT. MD 3.7 (HLW).
	04	22	26	42.3*	49.198	N	8.498	E	10	G		1.3	7	GERMANY. ML 2.7 (LDG).
	04	22	53	29.1*	15.665	S	72.165	W	33	N		1.3	6	SOUTHERN PERU

	04	23 47 42.9?	60.86	N	3.11	E	10	G			1.4	5	NORTH SEA. MD 2.3 (BER).
	05	00 12 21.4%	36.113	N	133.408	E	10	G			0.6	8	SEA OF JAPAN. MG 3.7 (JMA). Felt (I JMA) on Dogo.
	05	00 18 55.3	40.385	N	26.477	E	10	G			0.6	6	TURKEY. MD 3.8 (ATH).
	05	00 23 43.8?	49.33	N	6.85	E	10	G			1.0	5	GERMANY. MD 2.1 (UCC).
	05	01 07 45.1&	61.520	N	150.643	W	62					25	SOUTHERN ALASKA. <AGS-P>.
	05	01 38 55.7?	44.72	N	7.20	E	10	G			0.3	4	NORTHERN ITALY. ML 1.6 (GEN).
	05	03 55 35.7?	39.66	N	118.33	E	10	G			0.2	4	NORTHEASTERN CHINA. ML 3.9 (BJI).
	05	05 14 29.9%	17.160	N	94.789	W	33	N			1.4	5	CHIAPAS, MEXICO
	05	06 21 42.9?	7.61	S	127.58	E	141	?			0.4	9	BANDA SEA
	05	07 03 20.3&	60.812	N	152.522	W	120					28	SOUTHERN ALASKA. <AGS-P>.
	05	08 11 47.1	27.360	N	126.31B	E	200		5.1		1.0	99	EAST CHINA SEA. Felt (II JMA) at Nago and (I JMA) at Noho, Okinawa.
	05	09 02 50.0*	0.657	S	121.837	E	52	*	4.8		1.0	17	MINAHASSA PENINSULA
	05	09 25 58.2	41.072	N	20.189	E	10	G			1.1	8	ALBANIA. ML 3.0 (SKO).
	05	09 33 54.6	40.141	N	25.070	E	10	G			1.1	35	AEGEAN SEA. ML 3.8 (ATH).
	05	10 04 55.8&	62.184	N	150.384	W	9					28	CENTRAL ALASKA. <AGS-P>. ML 3.2 (PMR).
	05	11 09 17.1	42.239	N	15.545	E	10	G	4.5		1.2	71	ADRIATIC SEA. ML 4.3 (LDG), 3.9 (ROM), 3.7 (TTG), 3.1 (LJU). MD 4.6 (TRI).
	05	11 31 39.9	42.169	N	15.569	E	19				1.1	32	ADRIATIC SEA. ML 3.0 (TTG).
	05	11 39 24.4	44.634	N	7.267	E	10	G			0.3	12	NORTHERN ITALY. ML 2.0 (LDG), 2.0 (GEN).
	05	11 41 58.2	44.657	N	7.285	E	5	G			0.2	14	NORTHERN ITALY. ML 2.4 (GEN), 2.2 (LDG).
	05	12 07 44.4	42.186	N	15.656	E	10	G			1.0	11	ADRIATIC SEA
	05	12 32 16.2	46.196	N	6.794	E	5	G			1.1	35	SWITZERLAND. ML 3.1 (LDG).
	05	13 02 04.5	22.362	S	70.237	W	53	D	4.8		1.4	22	NEAR COAST OF NORTHERN CHILE. Felt (III) in the Antofagasta area.
	05	13 02 29.2*	58.345	N	6.246	E	10	G			0.8	6	SOUTHERN NORWAY. MD 2.5 (BER).
	05	13 34 49.8	42.145	N	15.595	E	10	G			1.2	43	ADRIATIC SEA. ML 3.7 (TTG), 3.3 (LJU).
	05	13 54 16.9*	42.157	N	15.625	E	10	G			1.3	7	ADRIATIC SEA
	05	14 47 07.8	29.059	N	67.232	E	34	*	4.6	4.1	1.1	36	PAKISTAN
	05	15 04 37.1	38.790	N	21.223	E	21		3.9		1.1	31	GREECE. ML 3.8 (ATH).
	05	15 16 25.6*	36.128	N	27.534	E	10	G			0.9	5	DODECANESE ISLANDS. MD 3.3 (ATH).
	05	15 32 06.1	38.817	N	21.214	E	15		3.7		1.2	29	GREECE. ML 3.5 (ATH).
	05	15 39 31.4*	4.337	S	80.913	W	33	N	4.4		1.3	13	PERU-ECUADOR BORDER REGION
	05	17 45 04.6?	40.62	N	20.60	E	10	G			0.3	4	GREECE-ALBANIA BORDER REGION. ML 1.9 (SKO).
	05	18 09 27.6	9.467	S	119.009	E	90	*	4.8		1.4	21	SUMBA ISLAND REGION
	05	19 33 11.0?	16.29	N	61.28	W	29	?			0.2	5	LEEWARD ISLANDS. ML 2.6 (FDF).
	05	20 04 41.2&	62.582	N	124.861	W	18	G				9	NORTHWEST TERRITORIES, CANADA. <PGC>. ML 3.9 (PGC).
	05	21 09 22.9*	34.878	N	140.112	E	122	?			0.6	10	NEAR EAST COAST OF HONSHU, JAPAN
	05	22 16 20.0*	19.413	N	97.542	E	33	N			1.0	5	BURMA
	05	23 09 20.9	25.676	S	179.382	E	505	D	5.1		1.1	89	SOUTH OF FIJI ISLANDS
	05	23 42 32.8*	51.267	N	15.971	E	10	G			1.2	6	POLAND. ML 3.3 (VKA), 2.6 (KRA).
	05	23 54 58.6%	38.137	N	119.337	E	10	G			0.8	5	NORTHEASTERN CHINA. ML 3.7 (BJI).
	06	00 01 09.2*	30.711	S	71.876	W	61	?			1.3	16	NEAR COAST OF CENTRAL CHILE
	06	00 07 24.6&	61.719	N	151.846	W	104					16	SOUTHERN ALASKA. <AGS-P>.
	06	00 28 58.6&	62.520	N	151.074	W	85					43	CENTRAL ALASKA. <AGS-P>.
	06	00 36 39.7	44.563	N	6.839	E	10	G			0.3	16	FRANCE. ML 2.2 (GEN), 1.8 (LDG).
	06	00 48 16.4*	1.090	S	78.757	W	10	G			1.2	13	ECUADOR
	06	00 56 20.5?	6.40	S	126.62	E	431	?	4.5		0.9	8	BANDA SEA
	06	01 22 18.3%	43.109	N	0.653	W	10	G			0.3	6	PYRENEES. MD 1.9 (STR).
	06	02 31 08.6&	61.781	N	149.718	W	54					13	SOUTHERN ALASKA. <AGS-P>.
	06	03 40 44.1*	36.914	N	141.642	E	50	*	4.2	4.3	1 1	24	NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Shirakawa and Utsunomiyo.
	06	04 19 13.9*	31.777	S	67.193	W	135	?			1.2	13	SAN JUAN PROVINCE, ARGENTINA
	06	04 25 33.8*	60.844	S	26.799	W	33	N	4.9	4.1	1.5	17	SOUTH SANDWICH ISLANDS REGION
	06	04 39 27.1?	39.70	N	27.76	E	10	G			0.2	4	TURKEY
	06	05 48 42.3?	10.32	N	59.73	W	10	G			0.7	6	NORTH ATLANTIC OCEAN
	06	06 32 10.2	44.608	N	9.623	E	10	G			1.2	25	NORTHERN ITALY
	06	06 51 16.7&	53.813	N	163.322	W	11					9	UNIMAK ISLAND REGION. <PAL>.
	06	07 51 04.6?	12.28	S	76.81	W	10	G			1.1	5	NEAR COAST OF PERU
	06	08 59 56.5%	43.408	N	5.454	E	10	G			0.4	7	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	06	09 42 39.3%	24.026	N	121.506	E	10	G			0.9	5	TAIWAN
	06	09 49 27.6	41.891	N	13.805	E	10	G			1.1	11	SOUTHERN ITALY
	06	10 08 19.5&	60.546	N	152.280	W	100					28	SOUTHERN ALASKA. <AGS-P>.
	06	10 10 33.6*	37.645	S	177.212	E	195				0.8	21	OFF E. COAST OF N. ISLAND, N.Z.
	06	10 29 14.4?	33.30	S	70.61	W	33	N			1.5	9	CHILE-ARGENTINA BORDER REGION
	06	11 36 33.7&	62.790	N	150.797	W	90					27	CENTRAL ALASKA. <AGS-P>.
	06	11 42 47.4	38.192	N	22.662	E	33	N			1.2	20	GREECE. ML 3.3 (ATH).
	06	12 02 27.6	42.675	N	13.146	E	10	G			0.5	12	CENTRAL ITALY. MD 3.1 (SSO).
	06	13 17 01.2*	42.708	N	24.211	E	10	G			0.6	6	BULGARIA
	06	13 45 44.9	44.375	N	7.398	E	10	G			0.5	9	NORTHERN ITALY. ML 2.1 (GEN).
	06	14 58 44.3%	44.619	N	8.296	E	10	G			0.3	7	NORTHERN ITALY. ML 2.0 (GEN).
	06	15 12 56.6*	34.826	N	24.136	E	33	N	4.3		1.5	27	CRETE. ML 3.8 (ATH).
	06	15 16 33.6*	5.078	N	94.535	E	82	?	4.1		0.9	10	NORTHERN SUMATERA
	06	15 25 41.0&	33.972	N	116.570	W	6	G				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt (III) at North Palm Springs. Also felt at Desert Hot Springs, Morongo Valley and Palm Springs.
	06	17 22 14.3&	60.515	N	151.841	W	65					20	KENAI PENINSULA, ALASKA. <AGS-P>.
	06	17 38 25.9	42.210	N	15.587	E	10	G	4.2		1.4	107	ADRIATIC SEA. ML 4.7 (KBA), 4.4 (LDG), 4.1 (ROM), 3.5 (LJU). MD 4.8 (TRI), 4.4 (TTG), 4.1 (ATH).
	06	17 53 02.3	9.882	N	92.794	E	33	N	4.9		1.4	17	NICOBAR ISLANDS REGION
	06	21 15 41.6	0.676	S	77.546	W	10	G	4.6		1.2	15	ECUADOR
	06	21 42 18.6?	11.53	S	118.22	E	33	N			0.6	5	SOUTH OF SUMBAWA ISLAND
	06	22 04 05.8?	13.15	N	143.53	E	149	*	4.5		0.2	8	SOUTH OF MARIANA ISLANDS
	06	23 07 12.5	44.304	N	148.024	E	33	N	5.0		0.7	57	KURIL ISLANDS
	06	23 38 49.4*	42.717	N	145.975	E	48	?	4.1		0.7	7	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Nemuro.
	07	00 01 25.8*	3.111	N	127.642	E	92	?	4.9		1.3	27	TALAUD ISLANDS
	07	00 13 57.1?	44.69	N	7.59	E	10	G			0.2	4	NORTHERN ITALY. ML 2.0 (GEN).
	07	00 54 22.3	38.773	N	27.661	E	10	G			1.2	6	TURKEY
	07	01 17 58.3*	4.949	S	78.039	W	82	?	4.3		1.1	11	PERU-ECUADOR BORDER REGION
a	07	01 25 03.6	78.841	N	4.402	E	10	G	5.0	4.1	1.0	92	GREENLAND SEA
	07	04 45 10.8%	37.156	N	3.659	W	5	G			1.1	11	SPAIN. ML 3.4 (MDD). Felt (V) in the Alhendin area.
	07	05 52 41.0?	33.21	S	72.94	W	10	G			0.8	8	OFF COAST OF CENTRAL CHILE
	07	06 27 40.4&	59.001	N	153.821	W	116					56	SOUTHERN ALASKA. <AGS-P>.

a	07	06	55	41.2	20.095	S	169.023	E	39	D	5.5 5.7	1.1	219	VANUATU ISLANDS. Mo=1.6*10**18 Nm (PPT). Ms 5.8 (BRK).
	07	09	02	16.8*	16.643	S	72.491	W	108	*		1.5	11	NEAR COAST OF PERU
	07	09	47	56.4%	17.326	N	95.234	W	33	N		1.4	6	OAXACA, MEXICO
	07	11	20	28.8?	19.18	N	98.78	E	33	*		1.1	6	SOUTHEAST ASIA
	07	12	34	27.8	44.629	N	8.328	E	10	G		0.6	17	NORTHERN ITALY. ML 2.5 (GEN).
a	07	13	21	05.4	12.146	N	125.553	E	56	*	5.2 4.6	1.2	60	SAMAR, PHILIPPINE ISLANDS
	07	13	34	31.8	38.778	N	27.351	E	10	G		1.2	6	TURKEY
	07	13	41	02.8%	38.783	N	27.448	E	10	G		1.0	5	TURKEY
	07	14	03	46.5*	16.051	N	47.966	W	10	G	4.4	0.8	21	NORTH ATLANTIC RIDGE
	07	14	05	20.6*	33.784	N	94.956	E	33	N	4.7	1.3	7	QINGHAI PROVINCE, CHINA
	07	15	41	11.2	37.637	N	21.223	E	5	G	3.5	1.1	22	SOUTHERN GREECE. ML 3.5 (ATH).
f	07	15	48	29.0	51.314	N	179.028	W	20	G	6.1 6.7	1.0	533	ANDREANOF ISLANDS, ALEUTIAN IS. Ms 6.2 (BRK), 6.1 (PAS). Mo=3.0*10**19 Nm (PPT). Felt (IV) on Adak and Amchitka. Two events about 2.5 seconds apart. Depth from broadband displacement seismograms, based on first event.
a	07	16	42	30.7	51.188	N	179.234	W	33	N	5.7 5.9	1.0	345	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.7 (PMR). Felt (III) on Adak and Amchitka.
	07	16	49	47.0	51.096	N	179.191	W	33	N	5.0	0.9	95	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Amchitka.
	07	16	53	59.1	51.063	N	179.149	W	33	N	5.2	0.8	150	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	16	57	38.9*	50.837	N	179.203	W	33	N	4.3	1.6	23	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	17	04	18.0	51.146	N	179.290	W	33	N	4.8	1.0	72	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	17	19	12.3	51.040	N	179.135	W	33	N	4.6	1.0	48	ANDREANOF ISLANDS, ALEUTIAN IS.
a	07	17	42	36.4	51.137	N	179.221	W	33	N	5.6 5.7	0.9	323	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	17	52	47.3	51.115	N	179.241	W	33	N	5.5 5.6	0.9	259	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	18	01	18.1	51.245	N	179.327	W	33	N	4.8	0.9	77	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	18	04	38.5	51.116	N	179.214	W	33	N	4.9	0.9	93	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	18	23	57.5?	50.67	N	179.21	W	33	N	4.3	1.7	7	ANDREANOF ISLANDS, ALEUTIAN IS.
	07	18	28	39.0?	50.74	N	179.38	W	33	N	4.4	1.6	10	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
a	07	18	50	40.8	51.076	N	179.306	W	33	N	5.5 5.3	0.9	274	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.4 (PMR). Felt (III) on Amchitka.
	07	18	55	50.0	51.122	N	179.333	W	33	N	5.1	1.0	102	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.0 (PMR).
	07	19	06	34.7	51.173	N	179.412	W	33	N	4.9	0.9	99	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.5 (PMR).
	07	19	31	01.3?	4.56	S	150.31	E	33	N		1.0	5	NEW BRITAIN REGION
	07	19	37	42.8?	51.55	N	179.79	W	33	N	4.2	1.3	9	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
	07	19	46	40.3*	17.890	S	174.963	W	200	G	4.8	1.1	27	TONGA ISLANDS
	07	20	15	20.9*	51.106	N	179.287	W	33	N	4.6 4.8	1.2	39	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.1 (PMR).
	07	20	20	56.3*	50.892	N	179.581	W	33	N	4.4	1.2	22	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR).
	07	21	33	57.0*	36.957	N	140.912	E	33	N		0.8	8	NEAR EAST COAST OF HONSHU, JAPAN
	07	21	40	16.7	40.842	N	22.914	E	10	G		0.9	12	GREECE
	07	22	36	42.5*	24.309	N	122.008	E	10	G		0.9	7	TAIWAN REGION
	08	00	09	15.2*	35.050	N	24.923	E	5	G		1.3	8	CRETE. MD 3.9 (ATH).
	08	00	44	33.9?	51.21	N	179.64	W	33	N	4.5	1.1	14	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.6 (PMR).
	08	02	16	25.7	20.140	S	68.896	W	173	*	4.0	1.1	16	CHILE-BOLIVIA BORDER REGION
	08	02	52	15.6?	12.37	S	166.17	E	33	N	4.1	1.4	10	SANTA CRUZ ISLANDS
	08	02	54	09.6*	13.144	S	167.611	E	33	N	4.8	1.2	28	VANUATU ISLANDS
	08	03	05	32.0	51.241	N	179.138	W	33	N	4.9	0.9	70	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.8 (PMR).
	08	03	55	46.6*	19.150	S	169.234	E	194	*	4.6	1.2	41	VANUATU ISLANDS
	08	03	56	00.5?	50.41	N	179.47	W	33	N	4.3	0.6	7	ANDREANOF ISLANDS, ALEUTIAN IS.
	08	07	20	17.1?	43.38	N	127.81	W	10	G		0.4	27	OFF COAST OF OREGON
	08	08	43	49.3&	60.179	N	152.876	W	94				52	SOUTHERN ALASKA. <AGS-P>.
	08	09	37	26.7	40.853	N	22.888	E	10			1.0	17	GREECE
	08	09	54	26.0?	18.28	N	101.50	W	33	N		0.4	5	GUERRERO, MEXICO
	08	10	03	28.5*	20.195	N	99.230	E	10	G	4.4	1.2	8	BURMA
	08	11	05	09.2	37.761	N	29.176	E	10	G		0.9	6	TURKEY
	08	12	36	47.3&	36.422	N	121.037	W	8				12	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	08	12	50	17.8	22.416	N	123.467	E	10	G	4.3	1.2	31	SOUTHEAST OF TAIWAN
	08	12	57	50.0*	6.098	S	130.250	E	33	N	4.5	1.5	13	BANDA SEA
	08	14	13	28.9*	37.038	N	50.125	E	57	?	4.6	1.4	14	CASPIAN SEA. Felt in the Rasht area, Iran.
	08	14	25	55.3?	51.38	N	179.61	W	33	N	4.5	1.2	14	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.3 (PMR).
	08	15	49	29.5	36.269	N	82.615	E	10	G	5.1 4.6	1.0	99	SOUTHERN XINJIANG, CHINA
	08	17	58	27.3&	33.490	N	116.460	W	7				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	08	18	12	47.8*	6.062	S	130.279	E	33	N	4.5	1.4	8	BANDA SEA
	08	19	34	23.6*	46.112	N	13.437	E	5	G		1.5	8	AUSTRIA. MD 2.8 (LJU), 2.7 (TRI). Felt (III) at Cividale del Friuli, Italy.
	08	19	56	29.7*	2.380	N	126.601	E	87	?	4.8	1.1	20	MOLUCCA PASSAGE
	08	22	24	35.6*	47.462	S	165.597	E	45	*	5.0	1.3	19	OFF W. COAST OF S. ISLAND, N.Z.
	08	22	28	07.6*	2.095	N	125.261	E	33	N	4.9 4.2	1.2	8	TALAUD ISLANDS
a	08	22	32	39.2	17.141	N	100.190	W	35	D	5.0 4.1	1.3	67	GUERRERO, MEXICO
	09	00	09	57.1*	4.131	S	135.378	E	33	N	4.1	1.5	8	WEST IRIAN REGION
	09	01	07	44.7*	51.224	N	179.155	W	33	N	4.7	1.1	40	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.7 (PMR).
	09	01	22	06.1&	63.141	N	150.410	W	117				21	CENTRAL ALASKA. <AGS-P>.
	09	01	38	01.8*	1.585	N	127.151	E	61	?	3.8	1.2	16	HALMAHERA
	09	01	38	45.7&	40.588	N	125.038	W	16				5	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK).
	09	01	56	30.1%	46.591	N	2.736	E	10	G		0.7	10	FRANCE. ML 2.1 (LDG).
	09	03	22	39.1?	14.59	N	97.55	W	10	G	4.2	1.5	9	OFF COAST OF OAXACA, MEXICO
	09	03	37	54.6&	61.386	N	146.790	W	9				47	SOUTHERN ALASKA. <AGS-P>. ML 3.1 (PMR).
	09	04	42	43.3?	35.01	N	139.11	E	10	G		0.7	5	NEAR S. COAST OF HONSHU, JAPAN. MG 2.8 (JMA). Felt (I JMA) at Ajiro.
	09	05	07	23.5*	34.174	N	25.136	E	33	N	4.0	0.8	9	CRETE
	09	05	17	32.8	41.518	N	19.404	E	10	G		1.1	15	ALBANIA. ML 3.0 (TTG).
	09	05	31	10.5%	43.119	N	0.825	W	10	G		0.5	5	PYRENEES. MD 1.0 (STR).
	09	05	34	09.5?	23.20	N	122.06	E	10	G		0.3	4	TAIWAN REGION
	09	06	55	39.0&	62.022	N	124.276	W	10	G	4.1		10	NORTHWEST TERRITORIES, CANADA. <PGC>. ML 3.9 (PGC).
	09	08	10	20.4	20.818	S	179.445	W	649		4.9	0.9	105	FIJI ISLANDS REGION
	09	08	45	01.0%	43.931	N	7.642	E	10	G		0.2	5	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
	09	08	51	13.5*	31.899	S	68.731	W	33	N		1.4	6	SAN JUAN PROVINCE, ARGENTINA
	09	09	14	21.2*	19.324	N	99.000	E	64	*		1.1	7	SOUTHEAST ASIA
	09	09	41	12.5	66.936	N	156.506	W	5	G	5.0	1.0	136	ALASKA. ML 5.1 (PMR).
a	09	10	03	19.4	4.293	S	77.563	W	35	D	5.4 5.1	1.4	126	NORTHERN PERU
	09	10	22	32.0?	7.93	S	129.51	E	10	G	4.2	0.5	5	BANDA SEA
	09	10	24	41.1?	28.86	N	142.55	E	33	N		1.3	8	BONIN ISLANDS REGION
	09	10	40	39.5	31.314	N	130.409	E	168		4.8	0.9	96	KYUSHU, JAPAN

	09	11	51	24.8&	37.645	N	121.687	W	8				15	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Mo=3.4•10••13 Nm (BRK). Felt at Livermore.
	09	12	06	03.1&	37.270	N	122.113	W	8				12	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK). Felt at Cupertino.
	09	12	42	03.7&	37.645	N	121.683	W	6				14	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=6.1•10••13 Nm (BRK). Felt at Livermore.
	09	15	56	31.5	13.702	N	51.774	E	10 G	4.6	5.4	1.2	31	EASTERN GULF OF ADEN
	09	15	58	08.2•	3.455	N	117.674	E	10 G	3.7		1.0	5	KALIMANTAN
	09	16	23	34.3•	3.984	N	94.392	E	10 G	4.5		1.1	11	OFF W COAST OF NORTHERN SUMATERA
	09	17	25	26.0%	43.461	N	5.432	E	10 G			1.3	6	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
a	09	18	01	07.8	51.780	N	171.869	E	26 G	6.0	5.3	0.8	456	NEAR ISLANDS, ALEUTIAN ISLANDS. ML 5.4 (PMR). Ms 5.5 (BRK). Depth from broadband displacement seismograms.
	09	18	57	16.5	6.074	S	130.358	E	81 •	4.6		1.0	15	BANDA SEA
	09	19	34	24.5•	52.966	N	2.343	E	10 G			0.9	20	NORTH SEA. ML 3.3 (LDG). MD 3.2 (UCC).
	09	19	43	45.8•	13.589	N	59.452	W	33 N			0.3	10	WINDWARD ISLANDS. MG 3.6 (FDF).
	09	19	50	21.7	42.160	N	15.639	E	10 G			1.2	13	ADRIATIC SEA
a	09	20	39	40.1	4.230	S	136.720	E	33 N	5.2	4.5	1.1	108	WEST IRIAN REGION
	09	21	10	45.2&	59.838	N	152.165	W	59				19	SOUTHERN ALASKA. <AGS-P>.
	09	22	10	41.0?	31.90	S	68.78	W	33 N			1.4	12	SAN JUAN PROVINCE, ARGENTINA
	09	22	36	13.5?	51.55	N	16.43	E	10 G			0.4	7	POLAND. ML 3.7 (VKA), 2.8 (KRA).
	09	22	47	51.4•	0.773	S	119.071	E	33 N	4.8		0.9	6	MINAHASSA PENINSULA
	09	23	55	39.5	36.112	N	27.510	E	10 G			1.0	14	DODECANESE ISLANDS. MD 3.8 (ATH).
	10	01	36	40.0&	40.763	N	124.633	W	15				6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	10	02	21	09.6	40.225	N	25.036	E	8	3.8		1.1	56	AEGEAN SEA. ML 3.9 (ATH).
	10	03	08	56.0	39.020	N	35.627	E	10 G	4.2		1.3	40	TURKEY. Damage in the Kayseri orea.
	10	03	37	58.2?	21.71	S	68.85	W	33 N			0.8	6	CHILE-BOLIVIA BORDER REGION
	10	04	11	00.6•	28.653	N	87.481	E	76 •	4.6		0.9	16	TIBET
	10	04	27	55.7	12.666	N	44.012	W	10 G	4.7	4.2	0.8	25	NORTH ATLANTIC RIDGE
	10	05	01	04.5?	49.83	N	28.37	W	10 G	4.5		1.1	20	NORTH ATLANTIC RIDGE
	10	06	04	45.0•	70.333	S	114.992	W	10 G	5.3		1.1	53	SOUTHERN PACIFIC OCEAN
	10	06	17	48.5•	44.095	N	15.859	E	10 G			1.3	5	YUGOSLAVIA
	10	06	28	23.7	35.528	N	140.121	E	76	5.0		1.1	68	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Takyo and Yakohama; (II JMA) at Tateyama, Mito, Utsunomiyo and on Oshima; (I JMA) at Kumagayo and Ajiro.
a	10	06	45	38.1	9.112	S	113.201	E	49 •	5.2	4.2	1.2	106	SOUTH OF JAVA
	10	07	25	37.3•	23.121	N	121.823	E	10 G			0.8	5	TAIWAN
	10	07	36	52.6	51.206	N	179.171	W	33 N	4.8		0.8	62	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR).
	10	08	23	59.7?	7.64	S	124.99	E	33 N	4.2		1.0	6	BANDA SEA
	10	10	46	10.9%	39.687	N	29.364	E	10 G			0.9	5	TURKEY
	10	11	21	32.9%	60.630	N	6.191	E	10 G			0.5	8	SOUTHERN NORWAY. MD 1.9 (BER).
	10	11	53	37.4&	63.566	N	150.805	W	13				58	CENTRAL ALASKA. <AGS-P>. ML 4.1 (PMR).
	10	13	46	38.1%	60.479	N	5.343	E	10 G			0.6	8	SOUTHERN NORWAY. ML 1.4 (BER).
	10	14	57	42.1	33.458	N	48.681	E	33 N	4.5		1.5	14	WESTERN IRAN. Damage ot Dorb-e Astoneh.
	10	16	06	39.0•	7.494	S	128.581	E	119 ?	4.1		1.2	15	BANDA SEA
	10	16	54	06.8%	60.573	N	5.040	E	10 G			0.3	7	SOUTHERN NORWAY. MD 1.5 (BER).
	10	16	57	43.0%	43.078	N	0.549	W	10 G			0.5	5	PYRENEES. MD 1.2 (STR).
	10	17	00	20.6%	60.577	N	5.083	E	10 G			0.2	7	SOUTHERN NORWAY. MD 1.4 (BER).
	10	17	05	13.4%	23.479	N	121.377	E	33 N			1.5	5	TAIWAN
	10	17	19	37.0?	44.40	N	152.99	E	33 N	4.4		0.9	8	KURIL ISLANDS REGION
	10	17	29	04.6%	45.503	N	5.994	E	10 G			1.1	9	FRANCE. ML 2.7 (LDG).
	10	17	37	27.8•	6.542	S	127.588	E	379 ?	4.4		1.5	7	BANDA SEA
	10	17	38	54.3•	39.805	N	23.277	E	10 G			1.2	11	AEGEAN SEA
	10	19	02	56.1%	39.325	N	27.695	E	10 G			1.4	6	TURKEY
	10	19	05	52.8?	31.87	S	72.25	W	10 G			0.4	10	OFF COAST OF CENTRAL CHILE
	10	20	08	03.4&	59.355	N	153.176	W	89				16	SOUTHERN ALASKA. <AGS-P>.
	10	20	24	48.0%	22.706	N	121.354	E	10 G			0.4	6	TAIWAN REGION
	10	22	23	43.3	38.830	N	27.795	E	10 G			0.9	6	TURKEY
	10	22	55	32.1	33.615	S	70.855	W	33 N			1.0	10	CHILE-ARGENTINA BORDER REGION
	11	00	39	03.5%	43.192	N	0.650	W	10 G			0.3	5	PYRENEES. MD 1.0 (STR).
	11	01	17	58.5%	37.292	N	4.167	W	5 G			1.0	8	SPAIN. mbLg 2.7 (MDD).
	11	02	13	58.2%	36.869	N	5.399	W	10 G			0.9	5	STRAIT OF GIBRALTAR. mbLg 2.4 (MDD).
	11	02	20	03.1%	36.892	N	5.410	W	10 G			1.0	6	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
	11	02	26	40.5%	36.915	N	5.412	W	10 G			1.0	6	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
	11	03	48	33.8•	6.430	S	154.335	E	67 •	4.4		1.1	12	SOLOMON ISLANDS
	11	04	01	37.2&	60.959	N	146.989	W	20				41	SOUTHERN ALASKA. <AGS-P>. ML 2.9 (PMR).
	11	04	05	58.2%	36.904	N	5.422	W	10 G			1.0	6	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
	11	05	46	44.4•	17.053	N	61.268	W	33 N			0.4	8	LEEWARD ISLANDS. ML 3.7 (FDF).
	11	06	01	27.2?	16.78	S	69.69	W	186 •			1.2	9	PERU-BOLIVIA BORDER REGION
	11	06	05	16.5	17.776	S	178.863	W	546	5.0		0.9	92	FIJI ISLANDS REGION
	11	07	40	56.5%	40.030	N	27.459	E	10 G			1.4	11	TURKEY
	11	07	47	53.5•	40.243	N	19.600	E	10 G			1.0	7	ALBANIA
	11	08	50	16.4	57.410	N	136.533	W	10 G	4.3		1.1	53	SOUTHEASTERN ALASKA. Felt (IV) at Pelican and (III) ot Sitka. Felt from Sitko to Juneou.
	11	09	22	48.2%	37.268	N	4.111	W	10 G			0.8	6	SPAIN. mbLg 2.4 (MDD).
	11	09	44	05.4•	42.168	N	15.597	E	10 G			0.9	7	ADRIATIC SEA
	11	10	54	30.6	39.442	N	28.478	E	10 G			1.2	16	TURKEY
	11	10	57	44.4	9.312	N	125.920	E	57 •	5.1	4.4	1.2	54	MINDANAO, PHILIPPINE ISLANDS
	11	11	06	40.1%	39.470	N	28.501	E	10 G			0.9	9	TURKEY
	11	11	53	52.5•	31.032	S	69.439	W	123 ?			1.1	13	SAN JUAN PROVINCE, ARGENTINA
	11	12	42	29.4	34.879	N	135.082	E	19			0.5	11	NEAR S. COAST OF SOUTHERN HONSHU. MG 4.0 (JMA). Felt (II JMA) ot Himeji and Kobe.
	11	12	51	43.8•	9.500	N	126.055	E	33 N	4.6		1.2	10	MINDANAO, PHILIPPINE ISLANDS
	11	13	24	54.3%	43.659	N	12.203	E	10 G			0.7	6	CENTRAL ITALY
	11	13	29	10.5	48.014	N	7.093	E	10 G			0.1	8	FRANCE. MD 1.0 (STR).
	11	14	03	11.4%	39.600	N	28.592	E	10 G			0.6	6	TURKEY
	11	14	14	59.8&	58.529	N	143.593	W	10 G				12	GULF OF ALASKA. <AGS-P>.
	11	14	33	35.2•	19.783	N	45.861	W	10 G	4.8		0.9	27	NORTH ATLANTIC RIDGE
	11	14	42	09.3	2.940	N	73.635	W	33	5.0	4.5	0.9	51	COLOMBIA. Felt strongly ot Neivo, Bogota, Villovicencio ond Pereiro.
	11	14	52	37.2%	37.932	N	14.646	E	10 G			1.0	5	SICILY
	11	14	55	52.6•	8.848	S	160.772	E	68 •	4.8		1 0	36	SOLOMON ISLANDS
	11	15	26	17.2&	58.311	N	142.823	W	10 G				4	GULF OF ALASKA. <AGS-P>.

	11	15	51	26.3%	40.853	N	22.907	E	10	G			0.3	7	GREECE
	11	16	02	15.3	44.506	N	7.325	E	10	G			0.8	6	NORTHERN ITALY. ML 2.0 (GEN).
	11	17	14	19.2?	34.98	N	3.81	W	10	G			1.3	6	MOROCCO. mbLg 3.0 (MDD).
	11	17	33	46.5?	34.58	N	22.90	E	33	N	3.8		1.4	7	MEDITERRANEAN SEA
	11	18	13	15.1?	31.31	S	71.78	W	10	G			0.6	11	NEAR COAST OF CENTRAL CHILE
	11	19	06	43.6	14.415	S	167.252	E	249	*	4.7		1.0	88	VANUATU ISLANDS
	11	20	51	45.8*	20.301	N	98.859	E	10	G			1.4	11	BURMA
	11	21	23	41.3*	20.267	S	177.869	W	623	?	4.2		0.9	23	FIJI ISLANDS REGION
	11	21	45	56.3	40.624	N	22.365	E	10	G			0.7	12	GREECE. MD 3.0 (ATH).
	11	21	48	37.8&	62.116	N	150.141	W	48					22	CENTRAL ALASKA. <AGS-P>.
	12	02	38	51.2*	5.531	S	151.185	E	33	N			1.6	5	NEW BRITAIN REGION
	12	02	42	21.6*	13.398	N	144.599	E	100		4.8		1.1	37	MARIANA ISLANDS
	12	04	03	27.4*	27.800	S	122.912	E	10	G			1.2	9	WESTERN AUSTRALIA
	12	06	24	33.3*	38.941	N	21.026	E	10	G			1.2	5	GREECE. MD 3.1 (ATH).
	12	06	29	41.3	6.908	S	127.755	E	277	*	4.8		1.0	23	BANDA SEA
	12	06	39	12.5&	60.986	N	150.156	W	37					24	KENAI PENINSULA, ALASKA. <AGS-P>.
	12	06	39	30.8	23.777	N	120.968	E	33	N			1.1	11	TAIWAN. ML 4.4 (BJI).
	12	07	37	01.6*	49.702	N	29.098	W	10	G	4.0		0.7	15	NORTH ATLANTIC RIDGE
	12	07	43	45.4	3.230	N	126.769	E	75	?	4.9		1.3	37	TALAUD ISLANDS
	12	08	16	33.3	24.898	S	179.829	W	501	D	4.7		0.9	31	SOUTH OF FIJI ISLANDS
	12	08	33	05.3*	43.717	N	19.201	E	5	G			1.3	5	YUGOSLAVIA. ML 2.2 (TTG).
	12	08	35	42.0	43.311	N	20.904	E	5	G			0.9	53	YUGOSLAVIA. ML 3.2 (TTG).
	12	09	05	37.4*	0.939	N	126.993	E	33	N			1.0	9	MOLUCCA PASSAGE
	12	09	45	00.8?	48.96	N	28.81	W	10	G	3.7		1.3	10	NORTH ATLANTIC RIDGE
	12	10	34	44.2*	30.755	S	71.722	W	69	?			1.2	15	NEAR COAST OF CENTRAL CHILE
	12	10	36	43.1&	60.067	N	152.671	W	94					41	SOUTHERN ALASKA. <AGS-P>.
	12	11	15	34.1*	0.107	S	123.086	E	169	*	4.9		1.5	10	MINAHASSA PENINSULA
	12	11	19	44.3*	35.626	N	26.891	E	10	G			1.4	7	CRETE. MD 3.9 (ATH).
	12	11	21	17.9	39.348	N	28.409	E	10	G			1.2	9	TURKEY
	12	11	45	50.6	36.545	N	142.663	E	33	N	4.8	4.2	1.2	34	OFF EAST COAST OF HONSHU, JAPAN
	12	13	39	25.5?	3.20	S	137.42	E	117	?	4.6		0.5	5	WEST IRIAN
	12	14	03	42.7*	42.972	N	17.520	E	10	G			0.5	6	ADRIATIC SEA. ML 2.5 (TTG).
	12	14	24	04.6*	50.237	N	28.888	W	10	G	4.1	4.3	1.1	16	NORTH ATLANTIC RIDGE
	12	14	28	38.7%	60.690	N	5.595	E	10	G			0.9	6	SOUTHERN NORWAY. ML 2.0 (BER).
	12	14	37	42.8*	24.344	N	95.522	E	33	N	4.4		1.0	5	BURMA
	12	15	41	16.9*	6.892	S	127.537	E	396	?	4.7		1.4	10	BANDA SEA
	12	15	55	14.8*	43.840	N	7.745	E	5	G			0.5	6	NEAR SOUTH COAST OF FRANCE. ML 1.8 (GEN).
	12	16	06	40.9	43.420	N	5.513	E	10	G			0.8	17	NEAR SOUTH COAST OF FRANCE. MD 3.2 (STR).
	12	16	17	43.2	49.952	N	28.964	W	10	G	4.6	4.2	1.3	57	NORTH ATLANTIC RIDGE
	12	17	01	16.4%	60.638	N	6.280	E	10	G			0.2	5	SOUTHERN NORWAY. MD 1.6 (BER).
	12	17	16	37.3?	11.82	N	62.24	W	150	?			0.4	7	WINDWARD ISLANDS. MD 3.6 (TRN).
	12	17	23	42.5	38.844	N	29.889	E	10	G			1.1	8	TURKEY
	12	18	33	08.4	2.120	S	79.581	W	103		4.8		1.2	54	NEAR COAST OF ECUADOR
	12	18	37	44.0?	7.32	S	128.64	E	124	?	4.4		1.4	8	BANDA SEA
	12	18	43	44.5?	49.80	N	28.98	W	10	G	4.3		1.5	15	NORTH ATLANTIC RIDGE
	12	19	19	17.4*	7.106	S	128.914	E	132	?	4.4		1.1	13	BANDA SEA
	12	21	10	43.4	37.761	N	20.883	E	10	G			1.1	24	IONIAN SEA. ML 3.6 (ATH).
	12	21	33	37.6	9.706	N	69.761	W	10	G			1.1	11	VENEZUELA. Felt at Tacuyo.
	12	22	04	55.6?	50.54	N	28.96	W	10	G	4.0		1.5	13	NORTH ATLANTIC RIDGE
	12	23	50	54.9	50.044	N	29.004	W	10	G	4.6	4.3	1.2	108	NORTH ATLANTIC RIDGE
	13	01	37	26.6&	40.848	N	124.530	W	18					6	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK).
	13	01	42	01.6?	52.58	N	28.23	W	10	G	4.0		0.7	9	NORTH ATLANTIC RIDGE
	13	01	55	33.7?	10.33	S	161.44	E	70	?			0.5	6	SOLOMON ISLANDS
	13	03	38	28.7	44.558	N	7.268	E	10	G			0.3	9	NORTHERN ITALY. ML 1.9 (GEN).
	13	04	10	52.6	40.620	N	29.824	E	10	G			1.2	13	TURKEY. Felt in the Iznik area.
	13	04	35	14.0?	49.06	N	29.53	W	10	G	4.1		0.5	8	NORTH ATLANTIC RIDGE
	13	05	21	52.3?	49.73	N	29.05	W	10	G	4.3		0.3	11	NORTH ATLANTIC RIDGE
	13	05	59	56.6?	49.88	N	29.05	W	10	G	4.2		0.2	13	NORTH ATLANTIC RIDGE
	13	06	01	27.7	29.424	N	131.618	E	33	N	4.6		1.0	24	RYUKYU ISLANDS REGION
	13	06	40	17.9*	49.869	N	28.781	W	10	G	4.6	4.3	1.0	33	NORTH ATLANTIC RIDGE
	13	07	04	20.2*	49.947	N	28.870	W	10	G	4.1		1.1	12	NORTH ATLANTIC RIDGE
	13	07	11	41.2?	5.94	S	131.69	E	33	N			1.3	5	BANDA SEA
	13	07	35	35.2?	45.77	N	16.02	E	10	G			0.3	5	YUGOSLAVIA. MD 3.3 (LJU). Felt (III) in the Zagreb area.
	13	07	39	37.5	54.011	N	162.499	W	33	N	4.8		1.1	39	ALASKA PENINSULA. ML 4.8 (PMR).
	13	07	42	09.6?	48.09	N	29.38	W	10	G	4.5		0.8	14	NORTH ATLANTIC RIDGE
	13	08	40	02.6*	7.512	S	156.358	E	159	*	4.4		0.3	7	SOLOMON ISLANDS. Felt (III) at Arawa, Bougainville.
	13	09	00	15.9*	49.500	N	29.166	W	10	G	4.5		1.1	31	NORTH ATLANTIC RIDGE
	13	09	02	24.7?	48.74	N	29.65	W	10	G	4.4		1.3	11	NORTH ATLANTIC RIDGE
	13	09	11	16.7&	66.228	N	149.887	W	10	G				17	ALASKA. <AGS-P>. ML 3.3 (PMR).
a	13	09	59	11.9	17.609	S	122.404	E	10	G	5.4	4.5	1.2	92	WESTERN AUSTRALIA
	13	10	32	30.2*	17.610	S	122.454	E	10	G			1.0	6	WESTERN AUSTRALIA
	13	10	49	01.1&	54.041	N	162.569	W	19					12	ALASKA PENINSULA. <PAL>.
	13	11	00	06.8*	18.158	S	178.496	W	599	*	5.2		0.7	25	FIJI ISLANDS REGION
	13	11	59	17.9&	36.573	N	118.020	W	3					13	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt (III) at Lone Pine.
	13	12	24	40.3?	23.92	N	121.83	E	33	N			0.5	5	TAIWAN
	13	12	56	08.3	37.998	N	28.781	E	10	G			0.7	8	TURKEY. Felt in the Denizli area.
	13	12	58	06.4*	15.049	N	60.418	W	33	N			0.3	11	LEEWARD ISLANDS. ML 2.8 (FDF).
	13	13	02	33.5?	1.64	N	122.86	E	427	?	3.9		1.2	11	MINAHASSA PENINSULA
	13	13	05	56.0?	46.73	N	153.48	E	214	?	4.4		1.3	8	KURIL ISLANDS
	13	13	27	24.3	42.502	N	24.263	E	10	G			1.1	11	BULGARIA
	13	13	56	19.9	36.344	N	30.676	E	86	?			0.9	17	TURKEY
	13	14	22	41.5*	58.863	S	25.554	W	33	N	5.0	4.5	0.9	27	SOUTH SANDWICH ISLANDS REGION
	13	14	51	20.4%	59.950	N	6.230	E	10	G			0.3	5	SOUTHERN NORWAY. ML 2.4 (BER).
	13	16	07	09.0	24.815	N	122.698	E	33	N	4.5	4.6	1.3	34	TAIWAN REGION
a	13	16	49	36.8	32.766	S	179.009	W	101	D	5.5		1.3	103	SOUTH OF KERMADEC ISLANDS
	13	16	57	58.0*	38.625	N	20.291	E	10	G			0.8	6	GREECE. MD 3.1 (ATH).
	13	17	14	18.7	10.840	S	166.882	E	33	N	4.4		0.8	15	SANTA CRUZ ISLANDS
	13	18	19	25.0?	49.93	N	29.03	W	10	G	4.0		0.4	7	NORTH ATLANTIC RIDGE
	13	19	33	19.4	51.925	N	176.003	E	33	N	4.9	4.5	1.0	76	RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.7 (PMR).
	13	19	52	02.5?	21.84	S	171.16	E	116	?	4.9		1.2	11	LOYALTY ISLANDS REGION
	13	20	08	32.4?	39.57	N	28.67	E	10	G			0.4	5	TURKEY

	13	20	12	36.2*	30.433	S	177.919	W	58	D	5.4	1.6	23	KERMADEC ISLANDS. Felt (III) on Raoul Island.
	13	20	27	24.1&	60.310	N	153.260	W	164				19	SOUTHERN ALASKA. <AGS-P>.
a	13	21	19	57.9	34.726	N	139.531	E	26	D	5.3 4.8	1.2	196	NEAR S. COAST OF HONSHU, JAPAN. Two people injured. Felt (IV JMA) at Yokohama and on Oshima; (III JMA) at Toteyama, Ajiro, Kofu, Mishima and Tokyo; (II JMA) at Kawaguchi-ko and Nagatsuro; (I JMA) at Shizuoka. Also felt (IV) at Yokosuka.
	13	21	40	17.5?	16.01	S	173.33	W	127	?	5.4	1.3	13	TONGA ISLANDS
	13	22	00	23.3	42.076	N	142.525	E	75		4.4	1.3	19	HOKKAIDO, JAPAN REGION. Felt (II JMA) at Hiroo and Urakawa.
	14	01	06	07.3*	41.478	N	23.143	E	10	G		0.7	6	GREECE-BULGARIA BORDER REGION. ML 1.4 (SKO).
	14	01	30	09.8?	4.55	S	150.34	E	63	?		0.2	5	NEW BRITAIN REGION
	14	01	55	45.3*	3.359	S	152.085	E	400		5.3	0.8	21	NEW IRELAND REGION
	14	01	59	37.3?	48.65	N	29.24	W	10	G	4.0	0.8	8	NORTH ATLANTIC RIDGE
	14	02	08	40.2?	24.00	N	122.64	E	10	G		0.7	5	TAIWAN REGION
o	14	02	32	01.2	24.256	S	179.906	W	511		5.4	1.0	92	SOUTH OF FIJI ISLANDS
	14	03	15	47.1?	14.02	N	60.95	W	125	G		0.4	8	WINDWARD ISLANDS
	14	03	41	41.9	42.383	N	19.228	E	20	*		1.0	14	YUGOSLAVIA. MD 2.5 (TTG).
	14	03	42	09.1	42.392	N	19.224	E	18	*		0.8	13	YUGOSLAVIA. MD 3.0 (TTG).
	14	04	09	48.3	13.236	S	74.816	W	33	N		1.1	10	PERU
	14	04	32	08.7	47.553	N	7.547	E	10	G		0.7	12	SWITZERLAND. ML 2.4 (LDG).
	14	04	42	04.9?	10.83	N	62.30	W	87	?		0.6	7	NEAR COAST OF VENEZUELA
	14	05	32	34.2?	47.04	N	4.67	E	10	G		0.2	6	FRANCE. ML 1.8 (LDG).
	14	06	05	54.1	34.180	N	135.164	E	10	G		1.2	11	NEAR S. COAST OF SOUTHERN HONSHU. MG 3.7 (JMA). Felt (III JMA) at Wakayama.
	14	06	07	39.0	37.984	N	28.796	E	10	G		1.0	15	TURKEY. Felt in the Denizli area.
	14	06	08	35.3	34.120	N	135.203	E	10	G		1.2	5	NEAR S. COAST OF SOUTHERN HONSHU. MG 3.0 (JMA). Felt (II JMA) at Wakayama.
	14	06	24	50.0*	15.649	S	166.927	E	33	N	4.6	1.2	16	VANUATU ISLANDS
	14	07	14	41.0	36.687	N	25.319	E	171		4.1	1.0	40	DODECANESE ISLANDS
	14	07	15	17.1*	35.196	N	139.184	E	10	G		0.4	5	NEAR S. COAST OF HONSHU, JAPAN. MG 3.0 (JMA). Felt (I JMA) at Ajiro.
	14	08	00	47.0*	43.127	N	138.561	E	239	?	3.5	0.8	12	EASTERN SEA OF JAPAN
	14	08	05	15.1	34.361	N	108.212	W	5	G		0.7	17	NEW MEXICO. ML 3.0 (NEIS). MD 3.4 (SNM).
	14	08	46	11.1*	23.547	S	179.801	E	619	?	4.9	1.1	37	SOUTH OF FIJI ISLANDS
	14	09	03	47.8%	38.824	N	27.575	E	10	G		0.5	6	TURKEY
	14	09	31	35.0?	31.69	S	69.85	W	133	?		1.0	12	SAN JUAN PROVINCE, ARGENTINA
	14	10	01	29.8?	2.65	S	129.88	E	33	N		1.0	5	CERAM
	14	10	24	40.5?	32.13	S	71.65	W	33	N		0.6	9	NEAR COAST OF CENTRAL CHILE
	14	10	25	30.5	16.308	N	86.839	W	10	G	4.9 3.6	1.2	50	CARIBBEAN SEA
	14	12	51	00.2	41.854	N	20.078	E	10	G		0.9	9	ALBANIA. ML 2.2 (TTG), 2.3 (SKO).
	14	12	57	19.0	34.987	N	138.502	E	10	G		0.9	11	NEAR S. COAST OF HONSHU, JAPAN. MG 3.9 (JMA). Felt (II JMA) at Shizuoka.
	14	13	49	35.7	2.725	N	98.933	E	164		4.6	0.8	20	NORTHERN SUMATERA
	14	16	03	44.5*	35.898	N	25.513	E	10	G		1.1	5	CRETE. MD 3.4 (ATH).
	14	16	23	42.1	9.390	S	156.529	E	21	D	5.0 4.1	0.9	37	SOLOMON ISLANDS
	14	16	47	11.5&	60.092	N	152.631	W	106				30	SOUTHERN ALASKA. <AGS-P>.
	14	17	09	03.1&	48.465	N	123.311	W	19				38	VANCOUVER ISLAND REGION. <PGC>. ML 2.8 (PGC). Felt at Victoria and on southern Vancouver Island from Sidney to Sooke.
a	14	17	55	04.4	9.405	S	156.311	E	33	N	5.1 4.8	1.3	67	SOLOMON ISLANDS
	14	18	06	52.7*	36.535	N	141.785	E	33	N		0.4	8	NEAR EAST COAST OF HONSHU, JAPAN
	14	20	38	38.9?	24.10	N	122.51	E	10	G		0.2	6	TAIWAN REGION
	14	20	43	45.8	54.691	N	159.500	E	142	D	4.7	0.9	95	NEAR EAST COAST OF KAMCHATKA
	14	20	48	14.1&	62.671	N	151.197	W	89				40	CENTRAL ALASKA. <AGS-P>.
	14	21	06	43.1	45.600	N	10.519	E	5	G		0.5	7	NORTHERN ITALY
	14	21	12	02.0?	39.74	N	32.83	E	10	G		1.8	4	TURKEY. Felt at Ankara.
	14	22	03	26.8&	63.362	N	151.210	W	2				30	CENTRAL ALASKA. <AGS-P>.
	14	22	16	36.6%	46.068	N	2.103	E	10	G		0.2	5	FRANCE. ML 1.2 (LDG).
	14	22	53	24.1	36.495	N	142.438	E	40	D	4.6	1.2	34	OFF EAST COAST OF HONSHU, JAPAN
	14	22	56	51.3&	36.090	N	118.052	W	1				11	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	14	22	57	27.8	45.573	N	10.606	E	5	G		0.8	18	NORTHERN ITALY
	14	23	10	48.2	39.391	N	72.876	E	33	N	4.9 4.2	1.0	102	KIRGHIZ SSR
	14	23	27	16.4&	57.680	N	142.965	W	10	G			12	GULF OF ALASKA. <AGS-P>.
	14	23	35	08.1&	57.744	N	142.929	W	10	G	4.0		43	GULF OF ALASKA. <AGS-P>. ML 4.4 (PMR).
	15	01	46	20.2*	45.718	N	150.739	E	105	*	4.8	0.9	65	KURIL ISLANDS
	15	03	30	42.2?	40.66	N	29.99	E	10	G		1.2	7	TURKEY
	15	03	55	37.5*	38.077	N	20.820	E	10	G		1.1	7	GREECE. ML 3.4 (ATH).
	15	05	51	40.9	43.988	N	7.551	E	5	G		0.2	8	NEAR SOUTH COAST OF FRANCE. MD 1.0 (STR).
	15	06	57	08.9	32.313	N	129.624	E	5	G	4.7	1.2	40	KYUSHU, JAPAN. Felt (I JMA) at Fukue, Fukuoka, Kagashima, Kumamoto and Nagasaki.
	15	07	07	45.2	17.561	S	178.234	W	545	D	5.0	0.7	35	FIJI ISLANDS REGION
a	15	08	06	17.7	55.566	N	164.311	E	33	N	4.9 5.0	1.1	152	KOMANDORSKY ISLANDS REGION
	15	08	23	16.8*	53.628	N	171.340	E	33	N	4.4	1.4	23	NEAR ISLANDS, ALEUTIAN ISLANDS. ML 4.0 (PMR).
	15	08	27	04.0	37.193	N	28.583	E	10	G		0.8	6	TURKEY
	15	08	59	09.4	66.931	N	156.024	W	5	G		0.8	26	ALASKA. ML 3.9 (PMR).
	15	09	09	52.0*	44.224	N	129.089	W	10	G	4.5	0.3	36	OFF COAST OF OREGON
	15	09	17	58.2?	38.38	N	22.81	E	33	N		1.4	4	GREECE
o	15	10	05	04.7	60.320	S	150.091	E	10	G	5.2 5.8	1.1	42	WEST OF MACQUARIE ISLAND
	15	10	18	07.7*	52.641	S	160.406	E	10	G	4.9	1.5	10	MACQUARIE ISLANDS REGION
	15	10	31	59.9*	67.067	N	156.518	W	5	G		0.4	21	ALASKA. ML 3.1 (PMR).
	15	11	37	03.7*	32.383	S	138.603	E	10	G		1.6	5	NEAR SOUTH COAST OF AUSTRALIA
	15	11	58	11.7*	37.328	N	35.808	E	10	G		0.6	5	TURKEY. ML 3.7 (BHL).
	15	12	33	25.8?	40.45	N	21.78	E	5	G		1.6	4	GREECE
	15	13	15	56.8	37.005	N	35.951	E	33	N		1.1	9	TURKEY. ML 3.9 (BHL).
	15	13	20	35.1&	61.998	N	149.248	W	41				21	SOUTHERN ALASKA. <AGS-P>.
	15	13	41	18.1?	44.25	N	6.61	E	5	G		0.3	4	FRANCE. ML 2.0 (GEN).
	15	14	03	51.5	40.839	N	22.928	E	10	G		0.8	7	GREECE. ML 2.2 (SKO).
	15	14	36	03.6	21.995	N	101.718	E	10	G		1.2	18	BURMA-CHINA BORDER REGION. ML 4.5 (BJI).
	15	14	49	34.7	44.368	N	7.311	E	10	G		0.3	11	NORTHERN ITALY. ML 2.3 (GEN).
	15	16	00	27.2*	36.862	N	9.851	W	33	N	4.5	1.0	17	WEST OF GIBRALTAR. mbLg 4.1 (MDD). MD 4.3 (RBA).
	15	16	02	36.3?	43.01	N	1.03	W	10	G		0.3	5	PYRENEES. MD 1.0 (STR).
	15	16	33	21.2?	6.15	S	149.37	E	56	?	4.1	1.2	5	NEW BRITAIN REGION

	15	16	38	48.4*	34.085	N	26.508	E	33	N		1.0	9	CRETE. MD 3.8 (ATH).
	15	16	44	33.9	12.797	S	76.691	W	72		5.0	0.8	15	NEAR COAST OF PERU. Felt (III) at Lima.
	15	16	55	11.1?	39.84	N	32.84	E	5	G		1.4	5	TURKEY. Felt at Ankara.
	15	17	25	54.4*	43.714	N	13.136	E	33	N		0.6	7	CENTRAL ITALY
	15	18	10	55.0*	42.757	N	17.184	E	10	G		1.3	6	ADRIATIC SEA. ML 2.3 (TTG).
	15	18	58	45.0&	62.881	N	148.189	W	57				27	CENTRAL ALASKA. <AGS-P>.
	15	20	06	36.7?	12.90	N	89.72	W	33	N		0.9	19	OFF COAST OF CENTRAL AMERICA
	15	21	00	36.9*	29.633	N	141.283	E	61	D		1.3	12	SOUTH OF HONSHU, JAPAN
a	15	21	12	04.1	19.151	N	121.197	E	33	N	5.2 4.6	1.1	139	PHILIPPINE ISLANDS REGION
	15	22	46	11.4*	6.972	S	147.102	E	74	?	4.4	0.7	9	EAST PAPUA NEW GUINEA REGION
	15	23	15	09.9%	40.415	N	27.447	E	10	G		0.7	9	TURKEY
	15	23	23	03.4%	59.903	N	6.436	E	10	G		0.5	8	SOUTHERN NORWAY. ML 1.9 (BER).
a	15	23	40	35.4	0.310	S	82.457	E	10	G	5.1	1.0	73	SOUTH INDIAN OCEAN
	16	00	30	15.6&	63.177	N	149.334	W	87				22	CENTRAL ALASKA. <AGS-P>.
	16	01	06	12.8*	38.424	N	21.816	E	33	N	3.7	1.4	6	GREECE. ML 3.2 (ATH).
	16	03	13	24.9*	32.761	S	71.500	W	33	N		1.3	13	NEAR COAST OF CENTRAL CHILE
	16	03	16	08.2	38.475	N	6.301	W	10	G		0.7	11	SPAIN. MD 4.0 (RBA). mbLg 3.6 (MDD). Felt (IV) in the Zafra area.
	16	04	28	42.1*	13.525	S	74.682	W	33	N		1.4	10	PERU
	16	04	34	37.4	45.141	N	6.635	E	10	G		0.3	14	FRANCE. ML 2.6 (GEN), 2.7 (LDG).
	16	05	10	15.8	43.579	N	12.609	E	33	N		0.6	8	CENTRAL ITALY
	16	05	14	10.9*	43.615	N	12.676	E	33	N		0.3	6	CENTRAL ITALY
	16	05	42	36.9	43.543	N	0.648	W	10	G		0.6	13	PYRENEES. ML 3.2 (LDG).
	16	07	26	54.5%	43.448	N	5.471	E	5	G		0.3	6	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	16	08	09	53.4	38.581	N	26.916	E	10	G		0.8	17	AEGEAN SEA. MD 3.4 (ATH).
	16	08	14	56.6	34.856	S	179.786	W	57	D	5.1	1.1	37	SOUTH OF KERMADEC ISLANDS
	16	08	19	27.7?	15.62	S	74.88	W	33	N		1.4	6	NEAR COAST OF PERU
	16	09	25	12.5*	35.778	N	103.747	E	10	G	4.7	1.0	7	GANSU PROVINCE, CHINA
	16	09	44	35.0*	19.863	S	69.832	W	33	N		0.3	5	NORTHERN CHILE
	16	09	51	13.3*	15.970	N	92.640	W	33	N		1.5	7	MEXICO-GUATEMALA BORDER REGION
	16	09	53	10.9	27.359	S	117.615	E	10	G		0.9	7	WESTERN AUSTRALIA
	16	10	11	11.3&	41.132	N	127.688	W	6		4.6		35	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.0 (BRK).
	16	10	14	01.1	42.719	N	111.334	W	5	G		0.8	28	EASTERN IDAHO. ML 3.4 (NEIS).
	16	10	57	43.0?	3.34	S	129.95	E	33	N	4.6	1.5	5	CERAM
	16	11	03	10.7?	43.65	N	7.42	E	5	G		0.7	5	NEAR SOUTH COAST OF FRANCE. MD 1.6 (STR).
	16	12	02	40.3*	21.270	S	179.400	W	631	?	4.6	0.8	28	FIJI ISLANDS REGION
	16	12	41	01.5	42.032	N	19.270	E	10	G		0.9	7	YUGOSLAVIA. ML 2.2 (TTG).
	16	14	45	37.5	22.297	S	171.432	E	89	D	5.1	1.0	98	LOYALTY ISLANDS REGION
	16	14	52	16.6*	50.427	N	6.150	E	10	G		0.2	5	GERMANY. MD 2.0 (UCC).
	16	14	53	27.6*	18.883	N	145.281	E	248	*	4.7	0.7	18	MARIANA ISLANDS
	16	15	12	34.9?	28.99	N	128.58	W	10	G	4.4	0.9	26	NORTH PACIFIC OCEAN
	16	16	25	39.7?	35.12	S	72.51	W	33	N		0.5	13	NEAR COAST OF CENTRAL CHILE
	16	18	13	46.2	7.974	S	118.969	E	33	N	5.0	1.2	30	FLORES SEA
	16	18	22	56.2?	8.60	N	103.12	W	33	N	5.0 3.4	1.2	12	OFF COAST OF MEXICO
	16	20	40	37.4?	30.69	S	72.30	W	33	N		1.1	11	OFF COAST OF CENTRAL CHILE
	16	23	54	03.3?	25.11	S	179.71	E	547	?	4.7	0.5	10	SOUTH OF FIJI ISLANDS
	17	00	58	27.8*	0.503	N	24.986	W	10	G	4.8 4.2	0.9	17	CENTRAL MID-ATLANTIC RIDGE
	17	01	08	29.1*	36.154	N	26.648	E	103	?		0.4	8	DODECANESE ISLANDS
	17	02	26	11.2	35.501	N	5.756	W	77	*		0.7	12	STRAIT OF GIBRALTAR. MD 2.7 (RBA).
	17	02	37	08.5%	40.201	N	27.091	E	10	G		1.4	5	TURKEY
	17	03	48	19.2*	6.159	S	125.349	E	33	N	4.7	1.4	10	BANDA SEA
	17	04	16	42.5?	23.22	S	67.39	W	33	N		1.0	5	CHILE-ARGENTINA BORDER REGION
	17	05	07	20.0?	40.65	N	23.17	E	10	G		1.5	6	GREECE. ML 2.2 (SKO).
	17	08	21	24.9*	24.305	S	68.545	W	33	N		0.9	5	CHILE-ARGENTINA BORDER REGION
	17	11	35	13.0	24.330	N	123.477	E	27		5.1	1.3	23	SOUTHWESTERN RYUKYU ISLANDS. Felt (III JMA) on Iriamote-shima and (I JMA) on Ishigaki-shima.
	17	11	53	14.3	32.184	N	137.921	E	374		4.7	0.7	47	SOUTH OF HONSHU, JAPAN
	17	12	06	30.9?	24.02	N	122.47	E	10	G		1.6	10	TAIWAN REGION
	17	12	21	52.9%	39.632	N	27.959	E	10	G		1.2	5	TURKEY
	17	13	48	59.0	60.478	N	5.429	E	10	G		0.3	7	SOUTHERN NORWAY. ML 1.5 (BER).
	17	14	33	13.2	40.166	N-	25.078	E	10	G		0.9	11	AEGEAN SEA
	17	14	35	16.0?	33.65	S	71.78	W	24			0.5	8	NEAR COAST OF CENTRAL CHILE
	17	15	02	54.6?	5.53	S	38.26	W	33	N		1.0	4	BRAZIL. ML 4.2 (VAO). Felt in the Palhana area. Also felt at Fortaleza.
	17	16	20	05.1*	32.234	S	72.254	W	30			1.1	12	OFF COAST OF CENTRAL CHILE
a	17	16	27	52.9	4.035	S	152.407	E	26	D	5.6 5.8	1.2	137	NEW BRITAIN REGION. Felt (IV) at Rabaul.
	17	18	43	29.4?	66.98	N	21.09	E	10	G		1.2	4	SWEDEN. ML 2.1 (BER).
	17	18	58	28.2?	39.45	N	28.30	E	10	G		0.9	4	TURKEY
	17	20	15	56.3?	41.67	N	12.74	E	10	G		0.8	6	SOUTHERN ITALY
	17	20	23	08.3?	41.66	N	12.67	E	10	G		1.1	9	SOUTHERN ITALY
	17	20	42	01.8*	65.186	N	7.561	E	10	G		1.0	9	NORWEGIAN SEA. ML 2.8 (BER).
	17	21	28	10.5?	7.33	S	127.86	E	242	?	4.8	0.8	9	BANDA SEA
	17	21	38	21.5%	44.889	N	7.182	E	10	G		0.4	5	NORTHERN ITALY. ML 2.0 (GEN).
	17	22	51	59.2*	52.051	S	138.792	E	10	G	4.8 5.0	1.3	15	WEST OF MACQUARIE ISLAND
	17	23	26	59.9%	43.076	N	0.490	W	10	G		0.2	6	PYRENEES. MD 1.0 (STR).
	17	23	56	29.3*	51.332	N	130.632	W	10	G	3.9	1.0	17	QUEEN CHARLOTTE ISLANDS REGION
f	18	00	04	15.2&	37.036	N	121.883	W	19		6.5 7.1		600	CENTRAL CALIFORNIA. <GS>. ML 7.0 (BRK). Ma=4.0*10**19 Nm (PPT). Sixty two people killed, 3,757 injured and damage estimated at 5.6 billion dollars. Maximum intensity IX in parts of Oakland and San Francisco. Numerous landslides occurred in the epicentral area and liquefaction occurred in some areas of Oakland and San Francisco. Felt from Eureka to Los Angeles and east as far as Fallon, Nevada. Also felt in high-rise buildings in San Diego. A small tsunami with maximum wave height (peak-to-trough) of 40 cm. was recorded at Monterey. Three events about 1.5 and 3.0 seconds apart, respectively. Depth 15.9 kilometers from broadband displacement seismograms, based on second event.
	18	00	23	37.4&	36.998	N	121.823	W	5				10	CENTRAL CALIFORNIA. <BRK>. ML 3.9 (BRK).
	18	00	25	04.9&	37.043	N	121.807	W	5	G	5.0		39	CENTRAL CALIFORNIA. <BRK>. ML 4.8 (BRK).
	18	00	29	54.9&	37.195	N	121.943	W	4				6	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	18	00	30	41.4&	37.123	N	121.963	W	5				9	CENTRAL CALIFORNIA. <BRK>. ML 4.2 (BRK).

18	00 33 36.2&	37.210	N	121.892	W	2				5	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
18	00 35 26.1&	37.217	N	122.027	W	5				8	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK). Foreshock 15 seconds eorlier. (BRK).
18	00 37 14.0&	37.088	N	121.843	W	14				5	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
18	00 38 28.8&	37.150	N	122.053	W	20				13	CENTRAL CALIFORNIA. <BRK>. ML 4.3 (BRK).
18	00 40 58.5&	37.172	N	121.995	W	18				5	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
18	00 41 24.7&	37.198	N	122.105	W	19		4.8		52	CENTRAL CALIFORNIA. <BRK>. ML 5.1 (BRK). Mild foreshock obout 29 seconds eorlier. (BRK).
18	00 45 39.6&	36.913	N	121.710	W	27	G			9	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK).
18	00 58 56.9&	37.128	N	121.997	W	19				8	CENTRAL CALIFORNIA. <BRK>. ML 3.9 (BRK).
18	01 01 27.2&	36.958	N	121.712	W	7				7	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
18	01 03 59.4&	37.127	N	121.852	W	5	G			7	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK).
18	01 05 38.4&	37.128	N	121.890	W	5	G			5	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Second event, ML 3.2, in codo 17 seconds loter. (BRK).
18	01 08 09.9&	37.228	N	122.037	W	15				6	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK).
18	01 16 20.1&	37.185	N	121.997	W	11				9	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK).
18	01 21 19.1&	36.957	N	121.713	W	16				9	CENTRAL CALIFORNIA. <BRK>. ML 3.9 (BRK).
18	01 22 45.5&	37.117	N	121.928	W	12				6	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
18	01 24 59.1&	36.787	N	121.575	W	8				9	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK).
18	01 31 00.1&	37.067	N	121.922	W	17				9	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
18	01 34 46.9&	37.072	N	121.935	W	17				8	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
18	01 43 38.5&	37.172	N	121.955	W	17				8	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
18	01 44 26.8%	36.987	N	5.099	W	10	G		1.1	6	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
18	01 45 57.7&	37.017	N	121.800	W	14				11	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK), 3.2 (PAS).
18	01 49 17.1&	37.183	N	121.987	W	17				6	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
18	01 51 00.7&	36.972	N	121.707	W	13				8	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
18	01 58 16.2&	36.907	N	121.667	W	8				10	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
18	02 08 53.4&	36.922	N	121.813	W	4				10	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK).
18	02 12 33.8&	37.005	N	121.757	W	10				10	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
18	02 13 39.7&	37.143	N	121.805	W	12				6	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
18	02 15 44.3&	36.802	N	121.618	W	2				11	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
18	02 15 49.9&	36.995	N	121.763	W	4		4.4		22	CENTRAL CALIFORNIA. <BRK>. ML 4.5 (BRK). ML 2.5 event 6 seconds eorlier, 18 kilometers southeost of Wotsonville, confuses some reodings. (BRK).
18	02 26 06.7&	37.028	N	121.780	W	12		4.1		19	CENTRAL CALIFORNIA. <BRK>. ML 4.2 (BRK). Smoll foreshock obout 2.5 seconds eorlier. P ond S phose reodings ore for this event. Phoses listed os "i" ore for ML 4.2 event ond were used for the hypocenter calculotion. (BRK).
18	02 30 30.2&	37.200	N	122.007	W	12				8	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
18	02 33 18.9&	37.013	N	121.815	W	5				7	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
18	02 34 04.4&	37.050	N	121.843	W	6				6	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Double event. (BRK).
18	02 36 02.5&	37.178	N	121.992	W	13				9	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
18	02 48 27.9&	37.068	N	121.932	W	17				9	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
18	02 52 53.6%	46.211	N	2.768	E	10	G		0.4	11	FRANCE. ML 2 0 (LDG).
18	03 02 43.8&	37.115	N	121.880	W	12				9	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK).
18	03 09 58.5&	37.062	N	121.923	W	13				9	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
18	03 10 40.7	32.695	N	93.915	E	45	*	4.5	1.1	27	TIBET
18	03 16 19.9&	37.108	N	121.860	W	3				10	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
18	03 21 47.9&	37.093	N	121.853	W	8				11	CENTRAL CALIFORNIA. <BRK>. ML 3.9 (BRK).
18	03 23 57.0&	37.163	N	121.995	W	22				7	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK).
18	03 27 46.6&	36.942	N	121.723	W	14				9	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
18	03 28 47.8&	36.937	N	121.703	W	12				9	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
18	03 30 35.7&	37.307	N	122.060	W	8				7	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
18	03 35 44.9&	37.083	N	121.932	W	6				11	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK).
18	03 36 07.0%	43.117	N	0.659	W	10	G		0.2	7	PYRENEES. MD 1.0 (STR).
18	03 46 29.6&	37.025	N	121.800	W	8				11	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK).
18	03 52 59.0&	37.108	N	121.847	W	4				9	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
18	04 00 59.8&	37.207	N	121.958	W	11				9	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK).
18	04 14 48.7&	37.140	N	121.988	W	15				10	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK).
18	04 16 33.0&	37.062	N	121.908	W	16				15	CENTRAL CALIFORNIA. <BRK>. ML 4.1 (BRK).
18	04 17 35.0&	37.067	N	121.917	W	16	G			4	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Hypocenter ossumed from 04:16. (BRK).
18	04 18 16.8&	37.198	N	122.075	W	16				6	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
18	04 25 12.0&	37.183	N	122.002	W	16				10	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
18	04 25 46.9&	37.027	N	121.788	W	9				6	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK).
18	04 26 37.2&	36.997	N	121.765	W	13				6	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
18	04 28 15.0&	36.960	N	121.767	W	13				10	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK).
18	04 50 27.7&	37.193	N	122.017	W	14		4.6		20	CENTRAL CALIFORNIA. <BRK>. ML 4.3 (BRK).
18	05 09 33.0&	36.997	N	121.873	W	7				10	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
18	05 18 34.1&	36.980	N	121.847	W	11		4.5		16	CENTRAL CALIFORNIA. <BRK>. ML 4.2 (BRK).
18	05 23 21.3	43.112	N	0.731	W	10	G		0.4	9	PYRENEES. MD 1.0 (STR).
18	05 38 02.7&	37.145	N	122.058	W	16				9	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
18	05 57 46.8&	31.420	N	116.930	W	6	G			3	BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
18	06 04 14.4?	11.08	N	61.90	W	33	N		0.8	4	WINDWARD ISLANDS
18	06 16 31.2?	27.50	N	34.61	E	10	G		0.4	5	RED SEA
18	06 27 10.6&	36.855	N	121.630	W	10				11	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Small event 1 second earlier confuses some reodings. (BRK).
18	06 29 25.0&	37.108	N	121.882	W	6				10	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
18	06 34 06.1&	59.881	N	150.707	W	29				18	KENAI PENINSULA, ALASKA. <AGS-P>.
18	06 34 49.0&	36.890	N	121.680	W	6				10	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
18	06 39 10.1&	36.932	N	121.712	W	12		4.6		13	CENTRAL CALIFORNIA. <BRK>. ML 4.3 (BRK).
18	06 44 56.9&	37.182	N	121.997	W	12				10	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK).
18	06 46 15.7	43.910	N	7.454	E	10	G		0.8	25	NEAR SOUTH COAST OF FRANCE. ML 2.5 (GEN).
18	06 46 44.5&	37.017	N	121.803	W	6				10	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
18	06 51 04.2*	57.333	S	26.841	W	33	N	4.6	1.0	11	SOUTH SANDWICH ISLANDS REGION
18	07 39 24.8&	37.102	N	121.920	W	12				10	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
18	07 44 00.6&	36.933	N	121.770	W	6				10	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
18	07 52 32.2&	37.210	N	122.068	W	13				9	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
18	08 41 03.5&	37.015	N	121.818	W	9				10	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
18	09 33 42.0&	37.193	N	122.000	W	9				10	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
18	09 45 36.2&	36.985	N	121.773	W	12				10	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).

	18	09	50	09.4&	37.085	N	121.888	W	6				10	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	18	10	22	04.8&	37.015	N	121.803	W	7		4.3		34	CENTRAL CALIFORNIA. <BRK>. ML 4.4 (BRK).
	18	10	40	58.5	14.644	N	45.204	W	10	G	5.0	0.7	67	NORTH ATLANTIC RIDGE
	18	10	41	43.6*	14.504	N	45.225	W	10	G	5.2	1.1	64	NORTH ATLANTIC RIDGE
	18	10	48	14.5&	37.105	N	121.887	W	3				9	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
a	18	10	53	48.2	14.583	N	44.928	W	10	G	5.1 5.1	1.0	73	NORTH ATLANTIC RIDGE
	18	11	01	09.3&	37.095	N	121.893	W	2				9	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	18	11	03	37.2&	37.200	N	121.998	W	11				7	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	18	11	14	50.4&	36.838	N	121.643	W	7				9	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	18	11	30	49.8&	36.997	N	121.828	W	15				9	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	18	11	33	48.2&	36.948	N	121.598	W	7				9	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
a	18	11	40	50.2	10.155	S	161.063	E	45	G	6.1 5.7	1.1	287	SOLOMON ISLANDS. Two events abaut 2 seconds aport. Depth fram broadband displacement seismograms, bosed on first event.
	18	11	51	04.4&	36.995	N	121.777	W	4				9	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	18	11	53	31.8%	37.185	N	3.933	W	10	G		1.4	5	SPAIN
	18	12	10	03.9&	37.285	N	121.988	W	14				5	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	18	12	24	24.6&	37.098	N	121.913	W	10				7	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	18	12	34	20.2&	37.100	N	121.907	W	8				8	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
a	18	12	35	16.9	10.183	S	161.113	E	69		5.4	0.9	123	SOLOMON ISLANDS
	18	12	55	38.2*	43.255	N	5.236	E	10	G		0.9	14	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	18	13	01	02.2	49.913	N	18.441	E	10	G		0.5	9	CZECHOSLOVAKIA. ML 3.0 (KRA).
	18	13	04	02.3	40.620	N	24.134	E	12			1.3	47	AEGEAN SEA. ML 3.8 (ATH).
a	18	13	06	47.8	14.603	N	45.068	W	10	G	5.2 5.2	1.0	141	NORTH ATLANTIC RIDGE
	18	13	43	20.8&	37.283	N	122.072	W	2				8	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	18	14	01	27.2*	35.450	N	24.785	E	33	N	4.0	1.7	6	CRETE. MD 3.9 (ATH).
a	18	14	57	22.4	39.893	N	113.884	E	10	D	5.1 5.3	1.3	125	NORTHEASTERN CHINA. At least 29 people killed, 150 injured ond about 27,500 houses damaged in the Dotong-Yongyuon orea. Felt ot Beijing.
	18	15	15	28.9?	39.86	N	114.10	E	10	G		0.5	4	NORTHEASTERN CHINA. ML 3.7 (BJI).
	18	15	32	19.0*	7.752	N	50.844	W	10	G	4.6 3.9	1.1	18	NORTH ATLANTIC OCEAN
	18	15	33	15.1&	36.797	N	121.578	W	6				8	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	18	15	41	39.7%	39.851	N	113.862	E	10	G		1.8	5	NORTHEASTERN CHINA. ML 3.6 (BJI).
a	18	16	19	02.8	18.016	S	176.328	W	208	D	5.4	1.3	151	FIJI ISLANDS REGION
	18	16	35	46.4	43.151	N	12.920	E	10	G		1.2	6	CENTRAL ITALY. MD 2.5 (SSO).
	18	16	51	18.0&	37.052	N	121.765	W	10				8	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	18	16	52	55.5%	39.900	N	113.876	E	10	G		1.4	8	NORTHEASTERN CHINA. ML 4.2 (BJI).
	18	16	56	15.8*	60.421	N	5.149	E	10	G		0.8	6	SOUTHERN NORWAY. ML 1.3 (BER).
	18	16	56	27.8	7.375	N	127.055	E	76		4.8	1.4	38	PHILIPPINE ISLANDS REGION
	18	16	58	01.8&	37.010	N	121.830	W	7				10	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK).
a	18	17	01	34.9	39.985	N	113.990	E	11	D	5.2 5.6	1.2	153	NORTHEASTERN CHINA. Felt in the Dotong oreo.
	18	17	11	20.8	39.922	N	113.872	E	12	D	4.7	1.4	24	NORTHEASTERN CHINA. ML 4.7 (BJI).
	18	17	14	06.9&	37.148	N	121.975	W	6				7	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	18	17	26	26.1%	39.914	N	113.849	E	10	G		1.5	10	NORTHEASTERN CHINA. ML 4.5 (BJI).
	18	17	30	12.4	51.259	N	179.082	E	33	N	4.9	1.0	57	RAT ISLANDS, ALEUTIAN ISLANDS
	18	18	01	02.9&	36.913	N	121.723	W	2				15	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK).
	18	18	06	57.6&	36.913	N	121.702	W	2				9	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK).
a	18	18	20	47.6	40.046	N	113.927	E	11	D	5.4 5.2	1.2	224	NORTHEASTERN CHINA. ML 5.6 (BJI).
a	18	18	41	24.3	2.086	N	126.579	E	53	*	5.2 4.8	1.2	116	MOLUCCA PASSAGE
	18	19	13	56.2?	18.96	N	67.10	W	10	G		0.5	5	MONA PASSAGE
	18	19	17	39.8%	44.320	N	7.289	E	10	G		0.3	6	NORTHERN ITALY. ML 2.0 (GEN).
	18	19	37	51.1?	39.96	N	113.91	E	10	G		1.4	4	NORTHEASTERN CHINA. ML 3.4 (BJI).
	18	19	47	12.1*	37.624	N	21.703	E	33	N	3.9	1.4	15	SOUTHERN GREECE. ML 3.3 (ATH).
	18	19	47	39.9&	37.163	N	121.908	W	15				10	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	18	19	58	38.1?	10.34	N	126.06	E	33	N	4.8	1.2	16	PHILIPPINE ISLANDS REGION
	18	20	15	40.8?	15.01	S	70.81	W	192	?	4.7	0.6	8	SOUTHERN PERU
	18	20	29	50.3%	39.548	N	28.936	E	10	G		0.1	5	TURKEY
	18	20	37	13 0&	36.998	N	121.733	W	7				9	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	18	20	58	40.7*	40.495	N	22.946	E	10	G		0.8	5	GREECE
	18	21	02	02.9*	39.905	N	113.852	E	10	G	4.5	1.6	13	NORTHEASTERN CHINA. ML 4.4 (BJI).
	18	21	27	20.0	39.820	N	8.762	W	10	G		1.5	23	PORTUGAL. mbLg 3.8 (MDD).
	18	21	51	55.1&	37.103	N	121.922	W	14				8	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	18	21	52	52.9&	36.285	N	120.347	W	9				13	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	18	22	01	42.0&	59.761	N	153.768	W	154				27	SOUTHERN ALASKA. <AGS-P>.
	18	22	19	24.4&	37.027	N	121.808	W	4				9	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	18	22	21	00.8?	15.51	N	98.24	W	33	N		0.5	5	OFF COAST OF GUERRERO, MEXICO
	18	22	36	18.3?	28.46	S	62.84	E	10	G	4.8	0.1	5	ATLANTIC-INDIAN RISE
	18	22	51	47.6	40.958	N	22.698	E	10	G		0.9	12	GREECE. ML 2.5 (SKO).
	18	22	52	07.4?	2.66	N	80.15	W	10	G		1.1	10	SOUTH OF PANAMA
	18	23	01	00.1?	5.50	S	149.66	E	137	?	4.4	0.4	5	NEW BRITAIN REGION
	18	23	13	10.1&	59.754	N	153.092	W	109				20	SOUTHERN ALASKA. <AGS-P>.
	18	23	23	51.6*	10.627	S	124.887	E	33	N	4.0	1..6	6	TIMOR
	18	23	24	57.5&	37.165	N	121.998	W	11				10	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	18	23	30	11.1	56.712	N	151.906	W	33	N	4.8	0.8	86	KODIAK ISLAND REGION. ML 4.5 (PMR).
	18	23	43	01.2	21.089	S	11.529	W	10	G	4.8 4.6	0.8	40	SOUTH ATLANTIC RIDGE
	19	01	11	01.4	1.210	N	99.473	E	45	*		1.0	23	NORTHERN SUMATERA
	19	01	37	39.4&	37.052	N	121.895	W	13				11	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
	19	01	51	25.7&	37.142	N	121.998	W	13				8	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	19	02	39	50.1?	15.35	N	98.27	W	33	N		1.5	5	OFF COAST OF GUERRERO, MEXICO
	19	02	41	15.4?	15.18	N	98.44	W	33	N		0.2	4	OFF COAST OF GUERRERO, MEXICO
	19	02	55	08.6&	37.030	N	121.800	W	7				11	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	19	03	04	20.0	42.796	N	13.204	E	10	G		1.1	6	CENTRAL ITALY. MD 2.5 (SSO).
	19	03	20	27.3&	37.100	N	121.910	W	12				11	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	19	03	55	00.7&	36.990	N	121.808	W	19				11	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK).
	19	04	12	43.8&	36.910	N	121.680	W	9				12	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK).
	19	05	16	17.5&	36.938	N	121.703	W	10				11	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	19	05	20	47.4?	41.37	N	140.18	E	176	?		0.8	6	HOKKAIDO, JAPAN REGION
	19	06	06	10.0*	49.350	S	126.176	E	10	G	5.1 4.9	1.3	17	SOUTH OF AUSTRALIA
	19	06	40	01.2	45.428	N	6.625	E	10	G		0.2	9	FRANCE. ML 2.5 (GEN).
	19	07	06	25.2?	38.40	N	27.26	E	10	G		0.9	4	TURKEY
	19	07	17	40.1?	33.74	S	72.33	W	33	N		0.4	7	OFF COAST OF CENTRAL CHILE
	19	08	00	59.0?	15.90	N	60.38	W	33	N		0.1	5	LEEWARD ISLANDS. ML 2.6 (FDF).
	19	08	19	52.5	39.965	N	23.713	E	10	G		0.9	40	AEGEAN SEA. ML 3.5 (ATH).

	19	08	45	49.9&	36.963	N	121.853	W	12				21	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK).
	19	09	01	31.2*	2.520	N	127.079	E	33	N	4.6	1.1	8	MOLUCCA PASSAGE
	19	09	40	05.7&	61.489	N	150.063	W	46				37	SOUTHERN ALASKA. <AGS-P>. ML 3.9 (PMR). Felt (IV) at Big Lake, Eagle River, Palmer and Wasilla. Also felt at Anchorage.
	19	09	49	57.2	49.937	N	78.972	E	0	G	6.0 4.5	0.9	428	EASTERN KAZAKH SSR
	19	09	53	50.4&	36.932	N	121.690	W	12		4.3 3.6		32	CENTRAL CALIFORNIA. <BRK>. ML 4.5 (BRK). Felt in the Santa Cruz area.
	19	10	14	35.1&	36.963	N	121.843	W	13		4.6 4.2		32	CENTRAL CALIFORNIA. <BRK>. ML 4.6 (BRK). Slight damage at Watsonville. Felt in the Santa Cruz area.
	19	10	19	42.0&	36.958	N	121.823	W	10				10	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	19	10	20	20.1&	36.917	N	121.833	W	11				8	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	19	10	29	03.7	39.927	N	113.906	E	10	G	4.6	1.3	33	NORTHEASTERN CHINA. ML 5.0 (BJI).
	19	10	59	57.9&	36.945	N	121.845	W	13				17	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Felt at Castle Air Force Base.
	19	11	15	22.8&	36.940	N	121.863	W	14				20	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK), 3.2 (PAS).
	19	11	29	27.0&	36.953	N	121.830	W	11				18	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	19	11	29	34.2?	43.87	N	12.97	E	10	G		0.2	4	CENTRAL ITALY
	19	11	35	37.3&	36.773	N	121.593	W	5				11	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	19	11	50	26.1&	36.922	N	121.692	W	9				16	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	19	12	14	06.7	21.172	S	11.462	W	10	G	5.0	0.8	36	SOUTH ATLANTIC RIDGE
	19	12	25	33.7&	36.925	N	121.695	W	14				21	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK).
	19	12	31	40.3&	36.937	N	121.810	W	11				14	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	19	12	32	16.8%	39.833	N	113.845	E	10	G		1.3	6	NORTHEASTERN CHINA. ML 3.9 (BJI).
	19	13	15	05.5	36.943	N	121.569	W	15	G		0.6	7	CENTRAL CALIFORNIA. ML 2.9 (NEIS).
	19	14	23	28.7&	37.158	N	122.008	W	13				14	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
a	19	14	28	26.3	51.710	N	176.019	W	49	D	4.9 4.8	0.9	105	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	19	14	36	16.2*	51.680	N	6.549	E	10	G		1.0	6	GERMANY. MD 2.5 (UCC).
	19	14	39	10.9&	36.887	N	121.682	W	13				13	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Small foreshock, ML 1.6, 17.2 seconds earlier. (BRK).
	19	15	25	34.5&	62.990	N	150.958	W	123				21	CENTRAL ALASKA. <AGS-P>.
	19	15	27	00.5*	21.149	S	179.252	W	649	*	4.8	1.0	30	FIJI ISLANDS REGION
	19	15	27	36.5?	45.35	N	14.46	E	10	G		1.5	6	YUGOSLAVIA. MD 2.1 (TRI). Felt (III) in the Rijeka area.
	19	15	59	12.2&	37.017	N	121.798	W	6				11	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	19	16	30	47.5&	36.947	N	121.720	W	10				15	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
a	19	16	47	06.9	8.045	N	126.781	E	74	*	5.1	1.3	68	MINDANAO, PHILIPPINE ISLANDS
	19	17	01	57.8?	37.07	N	122.88	W	15	G		0.7	7	CENTRAL CALIFORNIA. ML 3.3 (NEIS).
	19	17	15	05.7&	36.908	N	121.660	W	9				22	CENTRAL CALIFORNIA. <BRK>. ML 3.9 (BRK).
	19	17	26	18.6&	36.900	N	121.653	W	4				18	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK).
	19	17	53	01.9*	43.192	N	17.199	E	10	G		1.4	8	YUGOSLAVIA. ML 2.4 (TTG).
	19	17	56	49.8%	39.919	N	114.017	E	10	G		1.3	11	NORTHEASTERN CHINA. ML 4.3 (BJI).
	19	18	30	27.3&	33.010	N	117.860	W	6				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	19	18	36	41.3?	54.70	S	129.44	W	10	G	5.0 5.3	1.5	8	SOUTH PACIFIC CORDILLERA
	19	19	07	25.0&	62.970	N	149.633	W	87				21	CENTRAL ALASKA. <AGS-P>.
	19	19	29	07.4&	62.955	N	149.768	W	85				43	CENTRAL ALASKA. <AGS-P>.
	19	20	44	26.8*	1.103	S	15.773	W	10	G	4.5	1.1	17	NORTH OF ASCENSION ISLAND
	19	21	15	34.6&	37.110	N	122.007	W	16				12	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	19	21	33	11.8?	32.83	S	70.32	W	33	N		1.5	6	CHILE-ARGENTINA BORDER REGION
	19	21	45	14.6?	1.45	S	16.06	W	10	G		0.9	8	NORTH OF ASCENSION ISLAND
	19	22	11	12.6?	56.76	N	151.88	W	33	N	4.2	1.1	6	KODIAK ISLAND REGION
	19	23	27	08.0%	24.576	N	121.421	E	33	N		1.5	5	TAIWAN
	19	23	33	25.7	41.742	N	12.623	E	10	G		1.2	50	SOUTHERN ITALY. MD 3.8 (ROM). Slight damage (VII) in the Albani Hills area. Felt at Rome.
	19	23	47	40.3%	41.715	N	12.755	E	10	G		0.2	5	SOUTHERN ITALY
	20	00	18	20.8&	37.093	N	121.942	W	12				21	CENTRAL CALIFORNIA. <BRK>. ML 4.3 (BRK). Felt at Santa Cruz.
	20	01	36	19.1?	15.63	N	98.32	W	33	N		1.0	5	OFF COAST OF GUERRERO, MEXICO
	20	01	46	10.0	38.099	N	22.050	E	10	G		1.3	17	GREECE. ML 3.2 (ATH).
	20	01	57	35.6*	42.773	N	13.119	E	10	G		0.5	5	CENTRAL ITALY. MD 2.2 (SSO).
	20	02	52	15.7*	52.160	N	173.851	E	33	N	4.5	0.9	15	NEAR ISLANDS, ALEUTIAN ISLANDS
	20	03	35	56.3?	4.22	S	152.87	E	36	?	3.9	1.0	7	NEW BRITAIN REGION
a	20	03	43	13.1	0.573	N	121.435	E	103		5.4	1.1	89	MINAHASSA PENINSULA
	20	04	03	29.6	12.494	N	141.883	E	39	*	5.3	1.1	42	SOUTH OF MARIANA ISLANDS
	20	04	48	51.4*	38.021	N	21.965	E	10	G		1.4	9	GREECE. MD 3.4 (ATH).
a	20	04	53	22.0	12.472	N	141.873	E	41	*	5.1 4.8	1.0	55	SOUTH OF MARIANA ISLANDS
	20	05	06	10.5?	42.78	N	13.09	E	10	G		0.3	4	CENTRAL ITALY. MD 2.2 (SSO).
	20	05	07	52.5&	63.455	N	150.295	W	136				32	CENTRAL ALASKA. <AGS-P>.
	20	05	30	32.6*	12.389	N	141.909	E	56	?	4.5	0.8	12	SOUTH OF MARIANA ISLANDS
	20	05	43	45.9&	52.231	N	115.232	W	5	G			10	ALBERTA PROVINCE, CANADA. <PGC>. ML 4.1 (PGC). Felt in the Rocky Mountain House area.
	20	05	51	22.9&	66.876	N	156.104	W	9				14	ALASKA. <AGS-P>.
	20	05	56	02.0*	26.144	N	110.342	W	10	G	4.9	1.5	29	GULF OF CALIFORNIA
	20	06	19	37.6*	12.438	N	141.891	E	60	?	4.7	0.9	12	SOUTH OF MARIANA ISLANDS
	20	06	46	24.1%	10.994	N	61.995	W	33	N		0.5	8	TRINIDAD. MD 3.7 (TRN).
	20	07	21	11.2*	13.218	N	125.450	E	33	N		1.2	10	PHILIPPINE ISLANDS REGION
a	20	07	43	34.5	0.024	S	123.156	E	153	D	5.4	1.2	124	MINAHASSA PENINSULA
	20	07	52	49.2&	37.083	N	121.808	W	10				11	CENTRAL CALIFORNIA. <AGS-P>. ML 3.4 (BRK).
	20	07	58	59.9	51.223	N	179.108	W	33	N	5.1	0.7	101	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.4 (PMR).
	20	08	12	54.2&	37.183	N	122.080	W	16				20	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Felt in the San Francisco Bay area.
	20	08	35	17.4?	42.76	N	13.12	E	10	G		0.5	4	CENTRAL ITALY. MD 2.2 (SSO).
	20	08	36	31.4?	0.87	N	126.99	E	33	N	4.3	0.6	6	MOLUCCA PASSAGE
	20	09	04	29.7?	40.45	N	21.87	E	10	G		1.0	5	GREECE
	20	09	54	43.6?	43.03	N	12.93	E	10	G		0.6	4	CENTRAL ITALY. MD 2.0 (SSO).
	20	10	33	36.8%	44.245	N	7.413	E	10	G		0.5	8	NORTHERN ITALY. ML 1.8 (GEN).
	20	10	51	03.4	40.879	N	25.030	E	5	G		1.2	20	AEGEAN SEA
	20	11	26	17.6	40.077	N	51.813	E	52	*	4.7	0.9	51	CASPIAN SEA
	20	11	34	36.4?	42.77	N	13.08	E	10	G		0.2	4	CENTRAL ITALY. MD 2.0 (SSO).
	20	11	41	42.9%	40.057	N	113.844	E	33	N		1.5	5	NORTHEASTERN CHINA. ML 4.4 (BJI).
	20	11	52	21.5?	38.52	N	81.87	E	33	N		0.3	4	SOUTHERN XINJIANG, CHINA
	20	12	18	15.0&	60.026	N	152.714	W	91				47	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Homer.
	20	13	32	07.9?	12.78	N	51.06	E	33	N	4.2	1.2	12	EASTERN GULF OF ADEN

	20	13 50 57.2?	7.24	S	131.57	E	144 ?			1.2	5	TANIMBAR ISLANDS REGION
	20	13 58 01.8	51.817	N	170.463	W	33 N	4.9	4.7	1.0	82	FOX ISLANDS, ALEUTIAN ISLANDS
	20	14 00 16.7*	38.982	N	19.915	E	10 G			1.5	11	IONIAN SEA. MD 3.3 (ATH).
	20	14 08 22.2%	41.070	N	28.508	E	10 G			0.6	6	TURKEY
	20	14 15 30.3&	37.027	N	122.053	W	6				11	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	20	14 37 11.2	12.458	N	141.911	E	46 *		4.4	1.0	42	SOUTH OF MARIANA ISLANDS
	20	14 47 17.3?	39.67	N	23.89	E	5 G			0.9	4	AEGEAN SEA
	20	14 57 45.8*	16.214	N	61.216	W	98 *			0.2	12	LEEWARD ISLANDS
a	20	15 07 32.9	12.425	N	141.887	E	56 *	4.8	4.4	0.9	42	SOUTH OF MARIANA ISLANDS
	20	15 27 24.2?	58.70	N	5.89	E	10 G			0.8	4	SOUTHERN NORWAY. MD 1.8 (BER).
	20	15 27 38.3*	12.878	N	141.758	E	33 N	4.7		1.0	14	SOUTH OF MARIANA ISLANDS
	20	16 40 52.7	38.081	N	22.027	E	9			1.1	16	GREECE. ML 3.0 (ATH).
	20	18 31 29.2&	36.807	N	121.585	W	2				16	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
	20	19 08 25.2?	39.57	N	28.63	E	10 G			1.2	5	TURKEY
	20	19 51 16.8	41.947	N	14.049	E	10 G			1.2	17	SOUTHERN ITALY
	20	19 55 41.9&	40.453	N	124.785	W	5				5	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.4 (BRK).
	20	22 01 55.5	45.528	N	9.870	E	10 G			0.6	12	NORTHERN ITALY. ML 2.4 (LDG).
	20	22 50 34.5?	7.74	S	158.67	E	69 ?	4.5		0.4	10	SOLOMON ISLANDS
	21	00 07 26.5?	1.41	N	85.00	W	33 N	4.4		1.2	9	OFF COAST OF ECUADOR
	21	00 22 21.9	38.650	N	20.473	E	10 G			1.0	20	GREECE. MD 3.4 (ATH).
	21	00 49 43.7&	37.047	N	121.877	W	14	4.4			25	CENTRAL CALIFORNIA. <BRK>. ML 4.6 (BRK). Ma=5.3*10**15 Nm (BRK). Felt throughout the San Francisco Bay area.
	21	00 51 28.7	35.449	N	26.619	E	33 N			0.5	5	CRETE
	21	02 10 02.5*	42.713	N	13.052	E	10 G			0.5	5	CENTRAL ITALY. MD 1.9 (SSO).
	21	02 16 44.7?	44.43	N	6.99	E	10 G			0.4	4	FRANCE. ML 1.8 (GEN).
	21	02 19 51.0	27.898	N	140.891	E	141 D	5.0		1.1	85	BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shimo.
	21	02 20 32.7	36.152	N	139.857	E	54 *			0.6	12	HONSHU, JAPAN. MG 3.8 (JMA). Felt (I JMA) at Kumogoyo, Mito and Utsunomiya.
	21	03 17 47.7	39.358	N	20.439	E	6			0.9	27	GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH).
a	21	03 29 34.0	5.272	S	68.542	E	10 G	5.1	5.2	0.9	162	CHAGOS ARCHIPELAGO REGION
	21	04 40 01.8*	12.242	N	87.397	W	92 *	4.5		1.1	26	NEAR COAST OF NICARAGUA
	21	04 54 40.2?	8.32	S	129.75	E	218 ?			0.6	5	TIMOR SEA
	21	05 24 57.1%	37.137	N	3.477	W	10 G			0.7	7	SPAIN. mbLg 3.1 (MDD). Felt (IV) in the Monachil area.
	21	05 43 33.5*	38.092	N	21.921	E	10 G			1.2	5	GREECE. MD 3.2 (ATH).
	21	05 47 30.9?	2.85	S	150.12	E	33 N	4.5		1.5	5	NEW IRELAND REGION
a	21	06 14 50.6	26.082	S	179.884	W	444 *	5.2		1.1	80	SOUTH OF FIJI ISLANDS
	21	06 56 09.1%	33.926	N	134.507	E	10 G			1.3	5	SHIKOKU, JAPAN. MG 3.3 (JMA). Felt (I JMA) at Tokushima.
	21	07 22 09.2?	18.45	N	67.45	W	10 G			0.7	5	MONA PASSAGE
	21	07 26 01.7%	44.235	N	7.423	E	10 G			0.2	5	NORTHERN ITALY. ML 2.1 (GEN).
	21	08 04 11.5*	28.546	S	71.451	W	33 N			1.2	13	NEAR COAST OF CENTRAL CHILE
	21	08 11 02.2?	39.54	N	28.51	E	10 G			0.8	7	TURKEY
	21	08 32 19.9&	37.128	N	122.002	W	13				13	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	21	09 00 21.9?	18.89	N	66.60	W	33 N			1.1	5	PUERTO RICO REGION
	21	09 23 53.7	21.729	S	178.861	W	555	4.7		0.9	60	FIJI ISLANDS REGION
	21	09 52 54.5%	39.204	N	27.536	E	10 G			1.3	5	TURKEY
	21	10 01 55.2?	39.08	N	27.68	E	10 G			0.2	4	TURKEY
	21	11 58 51.1%	39.676	N	29.236	E	10 G			1.0	5	TURKEY
a	21	12 44 59.7	5.443	S	131.055	E	33 N	5.3		0.9	84	BANDA SEA
	21	12 54 39.9&	37.145	N	121.938	W	8				13	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK).
	21	13 16 30.1	40.317	N	27.077	E	10			0.6	42	TURKEY. MD 3.6 (ATH).
	21	13 39 57.4%	39.424	N	27.961	E	10 G			1.2	7	TURKEY
	21	14 04 52.9	41.975	N	14.045	E	10 G			1.1	19	SOUTHERN ITALY
	21	14 07 43.6%	38.081	N	23.704	E	10 G			1.6	5	GREECE. ML 2.3 (ATH).
	21	14 16 26.2	38.062	S	175.807	E	289	4.6		1.2	27	NORTH ISLAND, NEW ZEALAND
	21	14 42 14.7?	6.35	S	147.54	E	91 ?			1.5	5	EAST PAPUA NEW GUINEA REGION
	21	14 42 44.5?	38.17	N	21.89	E	10 G			0.2	4	GREECE. MD 2.9 (ATH).
	21	14 49 17.6	38.126	N	21.893	E	10 G			1.0	7	GREECE. MD 3.2 (ATH).
	21	15 58 46.0&	37.112	N	121.873	W	5				13	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	21	16 46 46.6%	38.869	N	27.451	E	10 G			1.3	5	TURKEY
	21	18 03 54.2?	6.98	S	120.49	E	441 ?	4.4		1.0	7	FLORES SEA
	21	18 27 50.6?	43.40	N	12.56	E	10 G			0.4	4	CENTRAL ITALY
	21	19 16 39.6?	38.11	N	21.92	E	10 G			0.5	4	GREECE. MD 2.8 (ATH).
	21	19 45 56.6%	46.412	N	1.427	E	10 G			1.0	9	FRANCE. ML 2.3 (LDG).
	21	19 56 14.7*	40.900	N	21.292	E	10 G			0.2	5	GREECE. ML 2.3 (SKO).
	21	20 00 38.7	42.019	N	142.523	E	78	4.5		1.1	26	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Tomakomai and Urakawa.
	21	20 49 33.6?	22.23	S	68.89	W	149 ?			1.0	6	NORTHERN CHILE
	21	21 09 03.4?	25.46	N	110.24	W	10 G	4.8		1.6	18	GULF OF CALIFORNIA
	21	21 17 23.7	14.817	S	101.756	E	10 G	4.9	4.4	0.9	19	SOUTH INDIAN OCEAN
	21	21 34 21.2?	40.74	N	27.37	E	10 G			0.2	4	TURKEY
	21	22 14 57.0&	37.057	N	121.905	W	13	4.5			37	CENTRAL CALIFORNIA. <BRK>. ML 4.9 (BRK). Mo=1.2*10**16 Nm (BRK). Felt in the San Francisco Bay area.
	22	00 19 56.3?	40.88	N	21.30	E	10 G			0.2	4	GREECE. ML 2.2 (SKO).
	22	01 42 05.6	26.280	N	110.328	W	10 G	5.1	4.9	1.2	53	GULF OF CALIFORNIA
	22	01 50 33.6?	26.11	N	110.35	W	10 G	4.2		1.6	10	GULF OF CALIFORNIA
	22	01 51 40.1?	25.87	N	110.31	W	10 G	4.8		0.9	9	GULF OF CALIFORNIA
a	22	02 10 57.5	26.304	N	110.377	W	10 G	5.3		1.4	45	GULF OF CALIFORNIA
	22	02 42 57.2?	8.91	S	128.02	E	128 ?			1.1	7	TIMOR SEA
	22	03 04 30.7*	22.851	S	66.652	W	316 ?			1.0	10	JUJUY PROVINCE, ARGENTINA
	22	05 52 18.3	12.383	N	141.656	E	33 N	4.7		1.0	15	SOUTH OF MARIANA ISLANDS
	22	05 53 24.9&	59.879	N	150.722	W	29				14	KENAI PENINSULA, ALASKA. <AGS-P>.
	22	06 16 33.9?	16.58	S	72.76	W	33 N			0.6	5	NEAR COAST OF PERU
	22	07 17 42.5	45.555	N	6.658	E	10 G			0.6	21	FRANCE. ML 2.6 (GEN), 2.5 (LDG).
	22	09 44 58.6&	36.908	N	121.678	W	9				9	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK).
	22	10 08 35.3*	43.054	N	1.423	W	10 G			0.5	14	PYRENEES. ML 3.1 (LDG).
	22	10 19 49.9*	18.215	S	173.204	W	33 N	5.0		0.7	20	TONGA ISLANDS
	22	10 33 01.0?	39.10	N	27.61	E	10 G			0.1	4	TURKEY
	22	10 45 38.4?	62.34	N	5.59	E	10 G			0.6	4	SOUTHERN NORWAY. MD 2.4 (BER).
	22	11 02 25.2%	36.160	N	23.876	E	29 *			0.3	7	SOUTHERN GREECE. ML 3.2 (ATH).
	22	11 13 19.5*	23.711	N	121.713	E	27 *			0.8	8	TAIWAN
	22	11 41 27.9	43.154	N	12.885	E	10 G			1.0	16	CENTRAL ITALY. MD 3.0 (SSO).
	22	11 45 38.9&	63.366	N	151.964	W	20				35	CENTRAL ALASKA. <AGS-P>. ML 3.4 (PMR).

	22	11	47	14.8•	43.229	N	12.893	E	10	G			1.0	5	CENTRAL ITALY. MD 2.7 (SSO).
	22	11	59	21.5•	22.254	S	70.453	W	67	•	4.8		0.5	10	NEAR COAST OF NORTHERN CHILE
	22	12	35	27.8%	39.271	N	27.659	E	10	G			0.9	5	TURKEY
a	22	13	24	15.0	4.675	S	153.240	E	67		5.4		0.8	220	NEW IRELAND REGION
	22	13	46	22.8%	44.998	N	7.961	E	10	G			1.0	6	NORTHERN ITALY
	22	14	11	01.9	52.389	N	170.617	W	33	N	4.9	4.4	1.0	90	FOX ISLANDS, ALEUTIAN ISLANDS
	22	14	24	37.2&	36.980	N	121.802	W	15					11	CENTRAL CALIFORNIA. <BRK>. ML 4.1 (BRK).
	22	14	42	49.1%	42.619	N	12.260	E	10	G			1.7	6	CENTRAL ITALY
	22	15	12	10.7	40.262	N	51.569	E	47	D	4.6	3.7	1.2	74	CASPIAN SEA
	22	17	16	28.1?	39.72	N	141.58	E	33	N			1.4	7	HONSHU, JAPAN. MG 3.2 (JMA). Felt (I JMA) at Ofunato and Miyako.
	22	17	29	50.2	20.665	S	70.813	W	33	N	4.9	4.1	1.0	15	NEAR COAST OF NORTHERN CHILE
	22	19	01	40.7?	8.47	S	129.09	E	120	?	4.5		1.3	7	TIMOR SEA
	22	19	04	26.4%	39.019	N	0.597	W	10	G			1.0	6	SPAIN. mbLg 3.1 (MDD). Felt (IV) in the Jativa area.
	22	19	30	42.6&	59.495	N	153.237	W	110					36	SOUTHERN ALASKA. <AGS-P>.
a	22	20	35	40.8	7.358	S	128.598	E	156	D	5.4		1.0	240	BANDA SEA
	22	21	21	49.7	43.273	N	146.827	E	64	•	4.5		1.0	31	KURIL ISLANDS. Felt (I JMA) at Nemuro and Kushiro, Hokkaido.
	22	21	28	49.3•	20.466	S	70.748	W	52	•	4.6		1.5	14	NEAR COAST OF NORTHERN CHILE
	22	21	44	49.2	38.119	N	21.952	E	10	G			1.0	9	GREECE. ML 3.0 (ATH).
	22	21	45	57.9•	20.735	S	71.066	W	37	?	4.7		1.5	9	OFF COAST OF NORTHERN CHILE
	22	22	14	39.3%	39.300	N	23.289	E	10	G			0.3	6	AEGEAN SEA
	22	22	29	02.8•	2.747	N	125.747	E	33	N			1.2	12	TALAUD ISLANDS
	22	23	01	28.9•	38.944	N	26.052	E	10	G			1.0	10	AEGEAN SEA. MD 3.2 (ATH).
	22	23	24	21.1	43.689	N	12.739	E	10	G			1.4	12	CENTRAL ITALY. MD 2.8 (SSO).
	22	23	49	25.8&	64.823	N	150.486	W	44					17	CENTRAL ALASKA. <AGS-P>.
	22	23	53	34.4	36.327	N	4.485	E	10	G	4.0		1.3	77	ALGERIA
	23	00	00	00.1•	20.788	S	71.423	W	33	N			1.3	6	OFF COAST OF NORTHERN CHILE
	23	00	12	03.2%	37.173	N	28.502	E	10	G			0.9	5	TURKEY
	23	00	14	23.0	49.164	N	6.954	E	10	G			0.5	10	GERMANY. mbLg 2.4 (UCC).
	23	00	22	20.8%	10.337	N	61.363	W	33	N			0.2	9	TRINIDAD. MD 3.8 (TRN). Felt (III) on Trinidad.
	23	00	43	22.9?	6.64	S	128.33	E	33	N	4.1		1.2	5	BANDA SEA
	23	00	57	18.9	36.752	N	26.457	E	10	G			1.0	9	DODECANESE ISLANDS. ML 3.7 (ATH).
	23	01	32	41.8•	21.740	S	69.327	W	171	?			1.0	7	NORTHERN CHILE
	23	01	48	02.8	36.761	N	26.553	E	10	G			1.2	8	DODECANESE ISLANDS. ML 3.7 (ATH).
	23	02	28	38.2?	10.22	S	166.13	E	33	N	4.8		1.0	8	SANTA CRUZ ISLANDS
	23	03	11	53.0	2.444	N	125.990	E	33	N	5.1		1.1	47	TALAUD ISLANDS
	23	03	30	41.9	30.875	S	65.441	W	170		5.2		1.0	103	CORDOBA PROVINCE, ARGENTINA
	23	04	42	55.5•	9.372	N	69.922	W	10	G			1.2	8	VENEZUELA
	23	05	09	30.3	47.221	N	10.792	E	10	G			1.4	17	AUSTRIA. ML 3.2 (FUR), 3.0 (KBA), 2.8 (LDG). Felt (IV) at Imst.
	23	05	44	58.9?	32.38	N	140.68	E	33	N	4.1		0.7	9	SOUTH OF HONSHU, JAPAN
	23	06	33	00.0•	41.796	N	20.130	E	10	G			1.1	5	ALBANIA
	23	07	34	54.7%	43.424	N	5.461	E	10	G			0.4	6	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	23	07	54	00.9	12.419	N	141.850	E	52	•	4.8	4.3	1.1	53	SOUTH OF MARIANA ISLANDS
	23	08	10	53.1	12.449	N	141.824	E	44	•	5.0		1.3	44	SOUTH OF MARIANA ISLANDS
	23	08	13	13.7	19.101	S	66.613	W	268		4.8		0.8	65	SOUTHERN BOLIVIA
	23	08	14	58.8?	43.53	N	147.28	E	33	N	4.2		1.2	7	KURIL ISLANDS. Felt (I JMA) at Nemuro, Hokkaido.
	23	08	22	45.3?	39.83	N	113.98	E	33	N			1.0	4	NORTHEASTERN CHINA. ML 3.6 (BJI).
	23	08	40	14.8%	11.733	N	61.208	W	33	N			1.2	9	WINDWARD ISLANDS. MD 3.4 (TRN).
	23	09	00	12.9?	41.75	N	20.12	E	10	G			0.3	4	ALBANIA
	23	09	36	49.3•	36.507	N	32.019	E	10	G			1.1	9	TURKEY. ML 3.6 (CSS).
	23	09	38	19.4	19.851	S	133.750	E	5	G			1.0	6	NORTHERN TERRITORY, AUSTRALIA
	23	09	38	53.2%	26.869	S	26.704	E	5	G			1.2	7	REPUBLIC OF SOUTH AFRICA
	23	10	16	53.1•	24.102	N	122.346	E	50	?	2.0		1.3	14	TAIWAN REGION
	23	10	32	50.4	42.551	N	19.826	E	10	G			0.9	9	YUGOSLAVIA. ML 2.2 (TTG).
	23	10	55	30.3%	39.137	N	27.610	E	10	G			0.8	5	TURKEY
	23	11	28	51.5?	17.84	S	178.88	W	619	?	4.9		0.7	18	FIJI ISLANDS REGION
	23	11	58	00.7•	36.371	S	176.864	E	33	N			0.6	12	OFF E. COAST OF N. ISLAND, N.Z.
	23	11	59	03.9•	19.756	S	133.839	E	5	G			1.4	5	NORTHERN TERRITORY, AUSTRALIA
	23	12	08	35.1	41.770	N	20.166	E	10	G			0.9	13	ALBANIA. ML 2.2 (TTG), 2.7 (SKO).
	23	12	48	35.0	38.949	N	27.259	E	10	G			1.2	24	TURKEY. MD 3.5 (ATH).
a	23	13	08	25.6	25.645	S	179.809	E	441	D	5.7		1.0	239	SOUTH OF FIJI ISLANDS
	23	13	19	36.8	39.865	N	113.900	E	33	N	5.3		1.2	21	NORTHEASTERN CHINA. Felt in the Datong-Yanggao area.
	23	13	21	59.8?	14.77	N	60.64	W	33	N			0.0	5	WINDWARD ISLANDS. ML 2.7 (FDF).
	23	13	32	11.8	41.526	N	20.120	E	10	G			1.6	15	ALBANIA. MG 2.6 (TIR).
	23	13	32	14.2	49.955	N	150.522	E	379		5.0		0.8	218	NORTHWEST OF KURIL ISLANDS
	23	13	59	24.6?	40.93	N	29.13	E	10	G			0.5	4	TURKEY
	23	14	33	25.0	19.874	S	134.087	E	5	G			1.3	7	NORTHERN TERRITORY, AUSTRALIA
	23	15	14	22.9•	36.950	N	121.705	W	15	G			0.5	9	CENTRAL CALIFORNIA. ML 2.6 (NEIS).
	23	17	07	58.0%	39.946	N	113.885	E	33	N			1.0	5	NORTHEASTERN CHINA. ML 3.6 (BJI).
	23	19	11	25.1	19.832	S	134.081	E	5	G			1.0	7	NORTHERN TERRITORY, AUSTRALIA
	23	19	22	45.2%	24.092	N	121.463	E	10	G			0.6	5	TAIWAN
	23	19	23	52.0&	36.935	N	121.685	W	5					17	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
a	23	20	55	11.8	11.909	N	86.277	W	73	D	4.9		1.1	62	NEAR COAST OF NICARAGUA. Felt at Managua. Felt (IV) at Playa Hermosa, (III) at Penas Blancas and (II) at San Jose, Costa Rica. Felt (II) at San Salvador, El Salvador.
	23	21	19	17.9	41.710	N	12.618	E	12				1.0	55	SOUTHERN ITALY. ML 3.3 (LDG), 3.3 (ROM). Slight damage (VII) in the Castelli Romani area.
	23	21	23	59.2?	30.73	S	70.33	W	71	?			1.3	10	CHILE-ARGENTINA BORDER REGION. Felt (IV) at San Juan, Argentina.
	23	21	27	41.0&	37.137	N	121.935	W	11					18	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=1.5•10••14 Nm (BRK).
	23	22	44	22.7	41.792	N	20.131	E	10	G			1.2	7	ALBANIA. ML 2.3 (SKO).
a	23	23	41	26.3	27.916	S	66.856	W	168	D	5.4		1.5	66	CATAMARCA PROVINCE, ARGENTINA
	23	23	58	29.0•	38.036	N	20.958	E	19	•			1.2	12	GREECE. ML 3.2 (ATH).
	24	00	05	02.4?	22.56	N	121.40	E	10	G			0.3	5	TAIWAN REGION
	24	00	20	13.7•	38.006	N	20.951	E	10	G			1.8	5	GREECE. MD 3.0 (ATH).
	24	00	28	31.8•	20.728	S	71.371	W	33	N	4.8		0.9	6	OFF COAST OF NORTHERN CHILE
	24	02	07	05.4?	38.22	N	20.68	E	10	G			1.7	4	GREECE. MD 2.9 (ATH).
	24	02	16	53.2%	40.085	N	28.678	E	10	G			1.3	5	TURKEY
	24	02	30	53.3•	15.325	N	120.945	E	50	•	4.6		0.9	11	LUZON, PHILIPPINE ISLANDS

24	02	57	25.7*	20.447	S	69.096	W	149	*		0.8	8	NORTHERN CHILE
24	02	59	40.9	5.502	S	151.719	E	58	*	5.1	1.0	28	NEW BRITAIN REGION
24	03	06	42.5?	45.01	N	7.23	E	10	G		0.6	4	NORTHERN ITALY. ML 1.9 (GEN).
24	03	30	02.6*	38.239	N	20.512	E	10	G		1.5	14	GREECE. MD 3.4 (ATH).
24	03	39	21.6?	44.88	N	14.82	E	10	G		1.2	7	ADRIATIC SEA. MD 2.5 (TRI).
24	04	27	19.5	0.934	N	78.936	W	57	*	4.6	1.2	23	COLOMBIA-ECUADOR BORDER REGION
24	04	28	08.7%	37.761	N	14.148	E	10	G		0.5	6	SICILY
24	04	48	12.3&	37.038	N	121.810	W	8				20	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
24	05	36	16.1?	47.85	N	1.26	W	10	G		0.3	5	FRANCE. ML 2.1 (LDG).
24	05	51	05.7*	20.774	S	71.325	W	33	N		1.4	6	OFF COAST OF NORTHERN CHILE
24	05	56	12.8?	15.39	N	60.81	W	10	G		0.1	5	LEEWARD ISLANDS. ML 2.3 (FDF).
24	06	12	40.9?	10.83	N	61.47	W	33	?		0.9	5	TRINIDAD. MD 2.5 (TRN).
24	07	02	23.8&	37.180	N	121.962	W	8				16	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=5.6*10**13 Nm (BRK).
24	07	16	38.6?	15.32	N	60.85	W	10	G		0.2	5	LEEWARD ISLANDS. ML 2.6 (FDF).
24	07	17	48.8%	59.431	N	5.588	E	10	G		1.1	7	SOUTHERN NORWAY. MD 1.5 (BER).
24	08	06	00.6	45.377	N	14.760	E	10	G		1.0	9	YUGOSLAVIA. MD 2.8 (TRI).
24	08	41	30.6?	19.88	S	177.53	W	531	?		0.6	10	FIJI ISLANDS REGION
24	08	55	54.4*	12.916	N	86.894	W	195	?	4.3	1.0	21	NICARAGUA
24	10	03	09.5?	42.67	N	13.02	E	10	G		0.2	4	CENTRAL ITALY. MD 2.2 (SSO).
24	10	54	38.6&	48.936	N	125.099	W	35		4.1		20	VANCOUVER ISLAND REGION. <PGC>. Felt strongly at Bamfield, Ucluelet and Port Alberni. Also felt at Tofino, Sproat Lake, Pachena Point and Parksville.
24	11	17	52.1*	11.881	S	120.040	E	33	N	4.2	1.2	8	SOUTH OF SUMBA ISLAND
24	12	04	29.8?	47.46	N	8.04	E	5	G		0.8	5	SWITZERLAND. MD 2.0 (STR).
24	12	48	09.5?	3.98	S	128.59	E	62	?	4.5	0.8	5	CERAM
24	13	33	31.5*	41.985	N	82.449	E	33	N	4.6	1.4	20	SOUTHERN XINJIANG, CHINA
24	13	38	28.9	41.637	N	82.292	E	33	N	4.8	1.2	20	SOUTHERN XINJIANG, CHINA
24	14	09	19.9?	43.52	N	6.45	E	10	G		0.4	6	NEAR SOUTH COAST OF FRANCE
24	14	23	04.8&	58.602	N	153.681	W	81				15	KODIAK ISLAND REGION. <AGS-P>.
24	14	38	23.7?	58.98	N	5.96	E	10	G		1.0	6	SOUTHERN NORWAY. MD 1.7 (BER).
24	14	52	36.4?	4.50	S	151.33	E	73	?	4.8	1.2	5	NEW BRITAIN REGION
24	15	17	44.0	42.232	N	13.460	E	10	G		1.3	10	CENTRAL ITALY. MD 2.8 (SSO).
24	16	29	58.1	21.908	S	138.977	W	0	G	5.4	1.0	109	TUAMOTU ARCHIPELAGO REGION
24	17	29	42.4	2.706	S	77.702	W	38		5.0 3.9	1.2	54	PERU-ECUADOR BORDER REGION
24	17	43	19.6	43.791	N	21.065	E	23			0.8	31	YUGOSLAVIA. ML 3.2 (TTG).
24	18	04	23.0*	49.334	N	19.782	E	10	G		1.6	7	POLAND. ML 3.1 (KRA). Felt at Vitanova, Czechoslavakia.
24	18	30	32.8?	40.35	N	20.02	E	10	G		1.4	6	GREECE-ALBANIA BORDER REGION
24	20	11	33.6?	36.93	S	177.02	E	298	?		0.5	20	OFF E. COAST OF N. ISLAND, N.Z.
24	20	58	39.5%	39.939	N	23.290	E	10	G		0.3	6	AEGEAN SEA
24	21	47	19.6%	39.961	N	23.310	E	10	G		0.5	6	AEGEAN SEA
24	22	15	21.4%	39.927	N	23.291	E	10	G		0.4	5	AEGEAN SEA
24	22	22	09.0	42.997	N	13.039	E	7			0.7	16	CENTRAL ITALY. MD 3.1 (SSO).
24	22	36	11.7&	61.829	N	151.276	W	63				15	SOUTHERN ALASKA. <AGS-P>.
24	22	46	03.6*	36.340	N	33.950	E	10	G		1.4	10	TURKEY. ML 3.1 (CSS), 3.5 (BHL).
24	22	46	25.2%	39.966	N	23.291	E	10	G		0.4	7	AEGEAN SEA
24	22	51	11.7&	58.614	N	142.745	W	10	G			18	GULF OF ALASKA. <AGS-P>.
24	23	02	02.0?	18.19	N	93.85	E	33	N		0.8	5	BURMA
24	23	02	57.4	43.010	N	13.050	E	10	G		1.0	11	CENTRAL ITALY. MD 2.6 (SSO).
24	23	32	21.4?	43.01	N	13.05	E	10	G		0.2	5	CENTRAL ITALY. MD 2.5 (SSO).
25	00	23	30.7?	40.62	N	24.47	E	10	G		0.6	5	AEGEAN SEA
25	00	46	18.7%	39.260	N	23.508	E	10	G		1.2	6	AEGEAN SEA
25	01	27	26.6&	37.078	N	121.832	W	14		4.6 3.6		31	CENTRAL CALIFORNIA. <BRK>. ML 5.0 (BRK). Mo=1.2*10**16 Nm (BRK). Felt throughout the San Francisco Bay area.
25	02	39	35.9?	17.42	N	101.13	W	33	N		1.2	7	NEAR COAST OF GUERRERO, MEXICO
25	02	40	54.1*	23.965	S	68.725	W	33	N		0.9	6	NORTHERN CHILE
25	03	21	20.0*	6.113	S	150.446	E	61	*	4.8	0.7	11	NEW BRITAIN REGION
25	03	59	19.1*	16.777	N	99.592	W	33	N	4.4	1.5	24	NEAR COAST OF GUERRERO, MEXICO
25	04	13	48.9	41.804	N	20.191	E	10	G		0.8	12	ALBANIA. ML 2.3 (TTG).
25	04	23	22.9?	31.69	S	72.19	W	10	G		0.6	11	OFF COAST OF CENTRAL CHILE
25	04	42	54.1*	52.637	N	169.283	W	33	N	4.5	0.9	22	FOX ISLANDS, ALEUTIAN ISLANDS
25	05	38	43.2&	37.070	N	121.828	W	13				16	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
25	05	56	13.0	4.830	S	81.072	W	39	*	4.7	1.0	35	NEAR COAST OF NORTHERN PERU. Felt at Talara.
25	06	00	10.8*	15.367	N	120.042	E	35	?	4.7	1.4	13	LUZON, PHILIPPINE ISLANDS
25	06	45	20.8&	59.588	N	146.273	W	12				30	GULF OF ALASKA. <AGS-P>.
25	06	46	42.7	7.151	S	113.247	E	41	*	5.0 4.4	1.3	61	JAVA
25	07	26	39.9*	31.933	S	71.545	W	10	G		0.8	12	NEAR COAST OF CENTRAL CHILE
25	07	44	19.7	39.003	N	21.563	E	10	G		1.1	8	GREECE. MD 3.1 (ATH).
25	07	50	26.3*	1.938	S	151.737	E	33	N	4.9 3.6	1.1	14	NEW IRELAND REGION
25	08	22	49.2?	39.26	N	27.73	E	10	G		0.2	4	TURKEY
25	09	43	00.7	13.585	S	70.303	W	61	*	4.7	1.2	35	PERU
25	09	59	39.7*	36.774	N	71.280	E	33	N	4.3	0.7	5	AFGHANISTAN-USSR BORDER REGION
25	10	56	24.1?	51.76	N	16.51	E	10	G		0.5	6	POLAND. ML 3.8 (VKA).
25	11	06	31.4	40.327	N	20.559	E	10	G		1.2	14	GREECE-ALBANIA BORDER REGION. ML 2.5 (SKO). MD 3.0 (ATH).
25	11	30	25.6	45.714	N	27.451	E	44	?		1.3	15	ROMANIA
25	11	50	19.5%	46.393	N	2.413	E	10	G		0.4	5	FRANCE. ML 1.7 (LDG).
25	11	58	47.2?	32.01	S	71.82	W	10	G		0.5	7	NEAR COAST OF CENTRAL CHILE
25	13	00	42.3&	36.880	N	121.652	W	9				21	CENTRAL CALIFORNIA. <BRK>. ML 4.1 (BRK). Mo=1.7*10**15 Nm (BRK). Felt in the Watsonville area.
25	13	06	33.7%	36.802	N	103.840	E	33	N		1.3	5	GANSU PROVINCE, CHINA. ML 3.9 (BJI).
25	13	50	56.7*	19.899	S	133.771	E	5	G		0.7	5	NORTHERN TERRITORY, AUSTRALIA
25	14	27	55.6	42.614	N	20.103	E	10	G		0.8	8	YUGOSLAVIA. ML 2.4 (TTG).
25	15	06	48.1	8.805	N	70.801	W	10	G	4.4	1.2	14	VENEZUELA
25	15	13	49.2?	23.93	N	122.58	E	5	G		0.6	5	TAIWAN REGION
25	15	27	43.8	43.000	N	26.616	E	37	*	4.2	1.0	82	BULGARIA. Felt (V) at Vurbitso.
25	15	32	34.3?	31.34	S	70.05	W	160	?		0.4	10	CHILE-ARGENTINA BORDER REGION
25	15	35	59.7?	44.98	N	28.58	E	5	G		1.5	5	ROMANIA
25	16	23	44.5	43.006	N	26.641	E	10	G		0.9	9	BULGARIA
25	16	38	44.6*	38.417	N	21.906	E	10	G		1.4	5	GREECE. MD 3.0 (ATH).
25	16	41	32.8*	23.494	S	179.848	W	621	?	4.7	1.0	41	SOUTH OF FIJI ISLANDS
25	17	15	33.5	40.329	N	24.023	E	10	G		0.9	16	AEGEAN SEA
25	17	30	51.6	20.936	S	67.307	W	209		4.6	1.3	52	SOUTHERN BOLIVIA

	25	17	42	30.9*	7.080	S	130.131	E	147 ?	4.5	1.4	8	TANIMBAR ISLANDS REGION
	25	17	45	18.4?	34.55	N	26.32	E	10 G		1.6	5	CRETE. MD 3.4 (ATH).
	25	18	09	00.3%	44.631	N	8.498	E	10 G		0.3	8	NORTHERN ITALY. ML 2.0 (GEN).
	25	18	20	33.2&	36.822	N	121.558	W	1			17	CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	25	18	39	36.8%	37.748	N	14.756	E	10 G		1.2	8	SICILY
	25	18	47	49.2%	37.710	N	14.715	E	10 G		0.3	5	SICILY
	25	18	55	00.2*	17.757	S	122.448	E	10 G	4.6	1.0	10	WESTERN AUSTRALIA
	25	19	26	48.8?	18.96	N	67.40	W	33 N		0.2	6	MONA PASSAGE
	25	19	34	52.1?	38.62	N	22.89	E	33 N		0.5	7	GREECE
a	25	20	29	00.0	57.519	N	118.811	E	22 D	5.4 5.5	1.0	284	EAST OF LAKE BAIKAL
	25	21	22	19.5?	41.82	N	12.81	E	10 G		0.5	4	SOUTHERN ITALY
	25	21	44	14.6*	39.883	N	30.531	E	10 G		1.1	9	TURKEY
	25	22	01	49.8&	36.982	N	121.788	W	14			21	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Mo=1.7*10**15 Nm (BRK). Felt in Santa Cruz County.
	25	22	20	21.9%	44.428	N	7.261	E	10 G		0.4	9	NORTHERN ITALY. ML 1.7 (GEN).
	25	23	44	43.0%	17.259	N	62.184	W	33 N		0.3	5	LEEWARD ISLANDS. ML 3.0 (FDF).
	25	23	51	50.8?	31.55	S	71.65	W	33 N		0.5	10	NEAR COAST OF CENTRAL CHILE
	26	00	26	26.5*	36.559	N	71.566	E	99 ?	4.3	0.7	13	AFGHANISTAN-USSR BORDER REGION
	26	01	45	58.6	39.709	N	143.865	E	33 N	5.2	0.9	23	OFF EAST COAST OF HONSHU, JAPAN
	26	02	40	51.5%	44.155	N	6.546	E	10 G		0.8	5	FRANCE. ML 2.2 (LDG).
	26	02	42	54.9	16.057	N	61.192	W	33 N		0.8	9	LEEWARD ISLANDS. ML 2.7 (FDF).
	26	02	43	57.2*	52.580	S	163.225	E	10 G		1.6	10	MACQUARIE ISLANDS REGION
	26	03	11	53.1%	39.352	N	27.890	E	10 G		0.8	5	TURKEY
	26	03	14	49.5	43.747	N	5.985	W	10 G		0.7	24	SPAIN. mbLg 3.5 (MDD). Felt (IV) in the Cabo Vidio area.
a	26	04	05	01.7	11.095	S	162.263	E	33 N	4.9	1.0	26	SOLOMON ISLANDS
	26	04	44	40.7	44.317	N	7.276	E	13		0.5	27	NORTHERN ITALY. ML 2.9 (GEN).
	26	04	46	38.9?	36.51	N	25.42	E	10 G		0.1	4	DODECANESE ISLANDS
	26	04	57	16.5?	5.27	S	138.96	E	33 N	4.7	1.3	9	NEAR S. COAST OF WEST IRIAN
	26	05	04	00.9%	45.177	N	7.488	E	10 G		0.3	5	NORTHERN ITALY. ML 1.8 (GEN).
	26	05	05	20.4	43.394	N	5.425	E	10 G		0.7	15	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	26	05	24	33.7*	18.057	N	100.876	W	33 N		1.1	7	GUERRERO, MEXICO
	26	05	57	35.1	42.451	N	26.267	E	10 G		1.0	21	BULGARIA
	26	06	45	47.5*	16.889	N	62.273	W	33 N		0.5	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	26	06	59	45.7*	36.765	N	26.588	E	10 G		1.5	7	DODECANESE ISLANDS. MD 3.5 (ATH).
	26	08	11	40.2&	63.130	N	150.434	W	122			20	CENTRAL ALASKA. <AGS-P>.
	26	09	01	29.3&	37.050	N	121.895	W	14			20	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Mo=8.0*10**14 Nm (BRK). Felt at San Jose.
	26	10	52	14.3?	36.50	N	20.58	E	33 N		1.1	9	MEDITERRANEAN SEA
	26	11	00	03.5?	44.29	N	129.05	W	10 G	4.4	0.5	30	OFF COAST OF OREGON
	26	11	08	37.1*	20.430	N	99.045	W	10 G		0.9	6	CENTRAL MEXICO
	26	11	08	53.7*	36.478	N	70.691	E	196 ?	4.5	1.5	10	HINDU KUSH REGION
	26	11	25	32.4*	43.339	N	18.963	E	10 G		1.4	8	YUGOSLAVIA. ML 2.5 (TTG).
	26	12	34	25.3?	42.94	N	0.52	W	10 G		0.2	5	PYRENEES. MD 1.0 (STR).
	26	12	51	48.0?	8.12	S	150.48	E	33 N	4.2	1.6	5	EAST PAPUA NEW GUINEA REGION
	26	13	09	19.4?	6.02	S	146.54	E	205 ?	4.5	1.0	7	EAST PAPUA NEW GUINEA REGION
	26	13	32	21.9?	42.74	N	19.11	E	10 G		0.1	4	YUGOSLAVIA. ML 2.1 (TTG).
	26	13	42	19.3?	61.87	N	4.19	E	10 G		0.9	6	SOUTHERN NORWAY. MD 1.8 (BER).
	26	14	28	55.3*	51.324	N	177.827	W	33 N	4.3	0.9	16	ANDREANOF ISLANDS, ALEUTIAN IS.
	26	14	34	33.5	22.552	S	176.895	W	185 D	5.1	1.1	70	SOUTH OF FIJI ISLANDS
	26	15	17	12.2	31.289	S	68.603	W	118	4.8	0.9	44	SAN JUAN PROVINCE, ARGENTINA. Felt (IV) at San Juan.
	26	16	01	43.2	46.335	N	7.449	E	10 G		0.8	10	SWITZERLAND
	26	16	24	47.8?	42.77	N	19.13	E	10 G		0.1	4	YUGOSLAVIA. ML 2.0 (TTG).
	26	16	44	46.2?	10.66	N	61.43	W	33 N		0.4	4	TRINIDAD. MD 2.3 (TRN).
	26	17	05	52.0	43.625	N	7.075	E	10 G		0.2	7	NEAR SOUTH COAST OF FRANCE. MD 1.2 (STR).
a	26	17	06	41.6	39.812	N	143.539	E	8 G	5.8 5.8	0.9	402	OFF EAST COAST OF HONSHU, JAPAN. Ms 5.8 (BRK), 5.7 (PAS). Felt (II JMA) at Miyako and Morioka; (I JMA) at Aomori. Felt (II JMA) at Kushiro and Muroran, Hakkaido. Depth from broadband displacement seismograms.
	26	17	29	27.7%	45.137	N	25.807	E	10 G		0.5	6	ROMANIA
	26	17	32	11.9%	47.068	N	8.841	E	10 G		0.9	9	SWITZERLAND
	26	17	53	06.5*	39.821	N	143.963	E	10 G	3.2	0.6	14	OFF EAST COAST OF HONSHU, JAPAN
	26	18	05	19.1	34.154	N	135.686	E	72 *		0.3	12	NEAR S. COAST OF SOUTHERN HONSHU. MG 3.8 (JMA). Felt (I JMA) at Owase.
	26	18	14	02.6	3.009	S	130.357	E	10 G	4.7	1.2	24	CERAM
	26	18	30	33.3?	39.89	N	144.32	E	10 G	4.5	1.1	14	OFF EAST COAST OF HONSHU, JAPAN
	26	19	54	06.3*	51.326	N	7.657	E	10 G		0.9	5	GERMANY
	26	20	01	24.7	39.764	N	143.664	E	10 G	4.7	1.0	52	OFF EAST COAST OF HONSHU, JAPAN
a	26	21	39	22.8	4.651	S	152.828	E	74 D	5.4	1.1	131	NEW BRITAIN REGION
	26	22	41	18.2	35.225	N	133.431	E	10 G	4.9	1.4	46	SOUTHERN HONSHU, JAPAN. Felt (III JMA) at Motsue and Yonago; (II JMA) at Hirashima; (I JMA) at Saigo and Takamatsu.
	26	22	52	59.2	39.743	N	143.811	E	10 G	4.6	1.0	31	OFF EAST COAST OF HONSHU, JAPAN
	26	22	56	38.2	39.723	N	143.771	E	10 G	4.9 4.2	1.0	69	OFF EAST COAST OF HONSHU, JAPAN
	26	23	17	58.1?	45.76	N	14.98	E	10 G		0.1	4	YUGOSLAVIA
	26	23	40	18.5	42.455	N	13.285	E	10 G		0.6	7	CENTRAL ITALY. MD 2.5 (SSO).
	27	00	19	56.9	39.680	N	143.821	E	10 G	5.0 4.7	1.1	105	OFF EAST COAST OF HONSHU, JAPAN
	27	00	28	36.2%	40.759	N	27.468	E	10 G		1.0	8	TURKEY
	27	01	18	31.6	49.105	N	6.886	E	10 G		0.9	11	GERMANY. MD 2.3 (STR).
	27	01	28	00.1	37.522	N	140.060	E	10 G		0.7	6	HONSHU, JAPAN
f	27	01	45	55.0	39.823	N	143.692	E	9 G	5.8 6.2	1.0	372	OFF EAST COAST OF HONSHU, JAPAN. Ms 5.8 (PAS). Felt (II JMA) at Aomori and Morioka; (I JMA) at Hachinohe and Niigato. Also felt (I JMA) at Kushiro, Hakkaido. Depth from broadband displacement seismagrams.
	27	01	47	46.7*	26.233	S	177.877	W	174 *	5.1	1.5	24	SOUTH OF FIJI ISLANDS
	27	01	53	02.4%	39.635	N	28.525	E	10 G		1.3	8	TURKEY
	27	02	06	08.0	39.752	N	143.602	E	10 G	5.3	1.0	194	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) ot Hachinohe and Morioka.
	27	02	24	00.5	39.873	N	143.714	E	10 G	4.7	1.0	33	OFF EAST COAST OF HONSHU, JAPAN
	27	03	03	21.4	39.644	N	143.741	E	10 G	4.7	1.1	62	OFF EAST COAST OF HONSHU, JAPAN
	27	03	22	54.4*	37.854	N	29.656	E	10 G		1.2	5	TURKEY
	27	03	23	21.8?	43.05	N	1.10	W	10 G		0.4	5	PYRENEES. MD 1.0 (STR).
	27	03	48	10.2?	41.21	N	23.19	E	10 G		0.2	4	GREECE-BULGARIA BORDER REGION

a	27	04	39	30.6*	20.893	S	173.968	W	33	N	5.1	5.3	1.5	46	TONGA ISLANDS
	27	05	38	59.2?	10.97	N	62.24	W	33	N			0.7	6	NEAR COAST OF VENEZUELA. MD 3.1 (TRN).
	27	05	47	03.7&	63.142	N	150.975	W	110					13	CENTRAL ALASKA. <AGS-P>.
	27	05	48	42.9%	17.805	N	66.065	W	10	G			0.3	5	PUERTO RICO REGION
a	27	07	42	21.7*	59.652	S	26.033	W	33	N	5.0	4.2	1.1	26	SOUTH SANDWICH ISLANDS REGION
	27	07	59	44.7%	43.937	N	11.021	E	10	G			0.4	6	CENTRAL ITALY
	27	08	09	00.7	39.870	N	143.618	E	10	G	4.8	4.4	1.2	67	OFF EAST COAST OF HONSHU, JAPAN
	27	08	24	24.6	6.826	N	73.063	W	159	*	5.1		1.0	46	NORTHERN COLOMBIA
	27	08	35	23.6*	37.759	S	176.874	E	249		4.2		0.6	23	NORTH ISLAND, NEW ZEALAND
	27	08	42	45.8?	39.78	N	143.95	E	10	G	3.9		0.9	9	OFF EAST COAST OF HONSHU, JAPAN
	27	08	43	49.0	39.969	N	21.856	E	10	G			1.1	8	GREECE
	27	09	48	48.8*	51.586	S	152.333	E	10	G	4.5	4.2	1.1	20	NORTH OF MACQUARIE ISLAND
	27	10	35	25.7*	39.148	N	27.672	E	10	G			0.3	5	TURKEY
	27	10	59	39.6*	39.542	N	143.959	E	10	G	4.3		0.5	11	OFF EAST COAST OF HONSHU, JAPAN
	27	12	20	08.3?	4.26	S	139.34	E	33	N	4.0		1.1	7	WEST IRIAN
	27	12	22	36.2?	41.14	N	28.70	E	10	G			1.1	4	TURKEY
	27	12	48	38.0?	39.24	N	27.82	E	10	G			0.1	4	TURKEY
	27	13	26	58.9*	37.903	N	20.618	E	10	G			1.5	6	IONIAN SEA. MD 3.3 (ATH).
	27	13	29	51.3&	36.942	N	121.722	W	11					18	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	27	13	45	09.5*	25.672	S	179.745	E	518	?	4.2		0.5	12	SOUTH OF FIJI ISLANDS
	27	14	15	59.3?	20.32	S	177.82	W	545	?	4.7		1.0	20	FIJI ISLANDS REGION
	27	14	26	40.1&	59.359	N	152.266	W	54					15	SOUTHERN ALASKA. <AGS-P>.
	27	15	07	59.8%	39.537	N	28.961	E	10	G			0.4	5	TURKEY
	27	15	18	12.4?	15.35	N	60.84	W	33	N			0.8	5	LEEWARD ISLANDS. ML 2.4 (FDF).
	27	15	44	28.1?	11.83	S	116.90	E	33	N	4.6		0.2	5	SOUTH OF SUMBAWA ISLAND
	27	19	21	09.0*	36.326	N	70.596	E	214	*	4.5		0.5	11	HINDU KUSH REGION
	27	20	01	45.5	42.776	N	28.305	E	10	G			1.5	15	BLACK SEA
	27	20	27	03.6	41.632	N	24.048	E	10	G			0.9	10	GREECE-BULGARIA BORDER REGION
	27	20	49	31.0?	43.04	N	145.18	E	60	?	4.2		1.3	11	HOKKAIDO, JAPAN REGION. Felt (I JMA) at Kushiro.
f	27	21	04	51.8	11.022	S	162.350	E	25	G	6.1	7.0	1.1	354	SOLOMON ISLANDS. Ms 7.1 (BRK), 6.8 (PAS). Mo=3.0*10**19 Nm (PPT). Felt on San Cristobal and (IV) on Guadalcanal. Minor landslide and ground fissure at Mwoniwario Village, Santo Cotolino. Two events about 3 seconds apart. Depth from broadband displacement seismograms, based on first event.
	27	21	53	15.7*	22.868	N	120.758	E	10	G			0.8	6	TAIWAN
	27	22	15	59.6&	36.992	N	121.752	W	11					15	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	27	23	01	47.9*	7.274	S	128.883	E	96	?	4.3		1.1	13	BANDA SEA
	27	23	26	24.3*	10.942	S	162.709	E	53	?	4.5		0.9	7	SOLOMON ISLANDS
	28	00	53	42.9&	61.547	N	150.570	W	47					32	SOUTHERN ALASKA. <AGS-P>. ML 3.2 (PMR).
	28	01	35	53.7	51.600	N	16.086	E	10	G	4.7		1.1	90	POLAND. ML 5.1 (GRF), 4.8 (FUR), 4.8 (KBA), 4.7 (VKA).
	28	01	57	55.3%	40.636	N	22.331	E	10	G			0.7	6	GREECE
	28	02	27	54.4	34.025	N	135.637	E	63	*			0.4	13	NEAR S. COAST OF SOUTHERN HONSHU. MG 4.0 (JMA). Felt (III JMA) at Owase; (I JMA) at Kobe and Naro.
	28	03	20	22.8%	41.700	N	13.893	E	10	G			0.8	7	SOUTHERN ITALY
	28	04	42	24.8	36.587	N	142.645	E	34	D	4.5		1.4	35	OFF EAST COAST OF HONSHU, JAPAN
	28	04	43	58.0&	60.099	N	152.298	W	87					16	SOUTHERN ALASKA. <AGS-P>.
	28	05	36	10.3*	21.798	S	68.916	W	150	*			1.2	9	CHILE-BOLIVIA BORDER REGION
	28	06	09	53.6?	10.72	S	162.29	E	33	N	4.4	4.1	1.2	11	SOLOMON ISLANDS
	28	07	10	56.7&	61.509	N	146.450	W	27					33	SOUTHERN ALASKA. <AGS-P>. ML 3.2 (PMR).
	28	07	28	10.6*	37.852	N	20.476	E	5	G			0.9	5	IONIAN SEA. MD 3.2 (ATH).
	28	07	46	14.9	35.601	N	26.718	E	10	G			1.3	12	CRETE. MD 4.1 (ATH).
	28	09	13	27.1?	38.02	N	21.88	E	10	G			1.1	4	GREECE. MD 2.9 (ATH).
	28	09	34	16.6&	40.373	N	124.375	W	24					9	NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK).
	28	09	41	46.3?	51.48	N	16.44	E	10	G			0.6	5	POLAND
	28	12	33	37.3*	49.181	S	123.378	E	10	G	4.0	3.6	0.9	7	SOUTH OF AUSTRALIA
	28	12	52	56.4	35.149	N	26.805	E	33	N			1.2	15	CRETE. MD 4.1 (ATH).
	28	13	10	10.7*	32.177	S	71.717	W	69	*	4.5		0.7	15	NEAR COAST OF CENTRAL CHILE
	28	13	16	31.1&	63.079	N	151.137	W	123					8	CENTRAL ALASKA. <AGS-P>.
	28	13	49	11.7?	28.88	N	34.62	E	10	G			0.3	4	ARAB REPUBLIC OF EGYPT
	28	14	01	31.9	39.094	N	28.002	E	10	G			0.9	12	TURKEY
	28	14	59	49.4&	61.277	N	151.331	W	65					19	SOUTHERN ALASKA. <AGS-P>.
	28	15	00	18.0?	58.20	N	9.78	E	10	G			1.0	4	SOUTHERN NORWAY. MD 2.3 (BER).
	28	15	24	31.6*	44.213	N	149.163	E	33	N	4.6		1.0	10	KURIL ISLANDS
	28	15	30	17.5%	42.427	N	19.376	E	10	G			1.1	5	YUGOSLAVIA. ML 2.0 (TTG).
	28	15	41	38.2*	21.831	S	69.130	W	150	?			1.1	7	NORTHERN CHILE
	28	16	40	33.6	14.720	N	92.795	W	63		4.3		0.6	27	NEAR COAST OF CHIAPAS, MEXICO
	28	17	01	14.9*	16.639	N	99.816	W	44		4.8		1.1	48	NEAR COAST OF GUERRERO, MEXICO. Felt at Acapulco.
	28	17	48	03.6?	8.84	N	63.06	W	10	G			1.0	8	VENEZUELA
	28	20	23	21.5?	40.11	N	28.27	E	10	G			0.3	4	TURKEY
	28	20	25	38.2?	24.66	N	121.64	E	10	G			0.7	4	TAIWAN
	28	20	26	25.6?	24.70	N	122.29	E	10	G			0.1	5	TAIWAN REGION
	28	21	06	30.6*	1.350	S	126.979	E	60	*	4.1		1.4	18	MOLUCCA SEA
	28	21	27	49.6&	36.888	N	121.665	W	11					16	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK).
	28	22	04	00.4?	28.55	N	34.76	E	10	G			0.1	4	ARAB REPUBLIC OF EGYPT
	29	00	22	14.3*	24.717	S	179.956	E	546	?	4.6		1.0	20	SOUTH OF FIJI ISLANDS
	29	02	11	42.0?	51.72	N	16.49	E	10	G			0.7	7	POLAND. ML 3.5 (VKA).
	29	02	22	47.1%	39.815	N	113.902	E	33	N			1.2	7	NORTHEASTERN CHINA. ML 4.0 (BJI).
a	29	03	09	10.7	39.590	N	143.458	E	10	G	5.7	5.9	1.0	325	OFF EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Hachinohe, Miyoko and Morioka; (I JMA) at Akita, Aomori and Sendai. Felt (I JMA) at Hakodate, Kushiro, Tomakomai and Urakawa, Hokkaido.
	29	03	32	30.4	39.607	N	143.508	E	10	G	4.7		1.2	37	OFF EAST COAST OF HONSHU, JAPAN
	29	03	50	43.1	40.618	N	23.605	E	33	N			0.8	7	GREECE
	29	04	56	15.5	2.701	S	79.772	W	72	*	4.7		0.9	23	NEAR COAST OF ECUADOR
	29	05	00	06.3	38.682	N	27.820	E	10	G			1.2	7	TURKEY. MD 3.2 (ATH).
f	29	05	25	38.2	39.571	N	143.333	E	10	G	6.0	6.6	1.0	409	OFF EAST COAST OF HONSHU, JAPAN. Ms 6.4 (PAS), 6.1 (BRK). Felt (III JMA) at Hachinohe, Miyoko, Morioka, Ofunato and Sakato; (II JMA) at Akita, Aomori, Sendai, Ishinomaki and Mutsu. Felt from central Honshu to Hokkaido. Small tsunami recorded with maximum wave heights 11 cm. at Ofunato, 10 cm. at Ayukawa, 6 cm. at Miyoko and 3 cm. at Hachinohe. Depth from broadband

													displacement seismograms.
	29	05	37	51.3	39.540	N	143.405	E	10	G	5.0	0.9	45 OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Morioka.
	29	05	53	14.9	34.919	N	30.820	E	10	G		1.4	8 EASTERN MEDITERRANEAN SEA
	29	06	16	04.8	39.934	N	142.822	E	10	G	4.1	1.7	11 NEAR EAST COAST OF HONSHU, JAPAN
	29	06	40	44.7?	22.92	N	120.76	E	10	G		1.4	4 TAIWAN
	29	07	37	15.5	43.107	N	0.497	W	10	G		0.2	7 PYRENEES. ML 2.4 (LDG).
	29	07	54	28.1%	23.626	N	122.020	E	10	G		0.4	5 TAIWAN REGION
	29	09	08	30.0	35.886	N	114.862	W	5	G		0.5	18 CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (NEIS). Felt (IV) at Boulder City, Nevada.
	29	09	51	43.0?	28.79	N	34.58	E	10	G		0.1	4 ARAB REPUBLIC OF EGYPT
	29	10	04	27.6?	39.00	N	22.71	E	10	G		0.6	5 GREECE
	29	10	43	52.1&	53.068	N	165.212	W	47				12 FOX ISLANDS, ALEUTIAN ISLANDS. <PAL>.
a	29	10	51	25.3	39.500	N	143.408	E	18	D	5.2 5.3	1.1	121 OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Akita and Morioka. Also felt (I JMA) at Kushiro, Hokkaido.
	29	11	05	07.0*	38.474	N	27.187	E	10	G		0.6	6 TURKEY. Felt at Izmir.
	29	11	58	45.7?	41.60	N	22.61	E	10	G		1.4	4 YUGOSLAVIA. ML 2.1 (SKO).
	29	12	45	37.6*	39.748	N	143.326	E	10	G	4.4 4.0	1.4	21 OFF EAST COAST OF HONSHU, JAPAN
	29	13	10	57.6&	37.055	N	121.922	W	11				15 CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Mo=7.6*10**13 Nm (BRK).
	29	13	33	37.5	46.241	N	12.740	E	10	G		0.8	7 NORTHERN ITALY. MD 2.1 (TRI).
	29	13	35	11.1	39.234	N	27.904	E	10	G		1.1	12 TURKEY
	29	13	35	27.8*	19.569	N	146.345	E	36	?	4.8	1.0	28 MARIANA ISLANDS REGION
	29	13	55	49.1*	32.930	S	72.129	W	10	G		0.5	11 OFF COAST OF CENTRAL CHILE
	29	14	52	14.2?	40.22	N	28.78	E	10	G		0.7	4 TURKEY
a	29	15	53	10.7	39.531	N	143.412	E	10	G	5.4 5.3	0.9	147 OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Akita and Morioka.
	29	16	07	47.7*	39.513	N	143.643	E	10	G	4.1	1.3	21 OFF EAST COAST OF HONSHU, JAPAN
	29	17	46	39.4*	1.260	S	78.771	W	5	G		1.2	13 ECUADOR
	29	17	59	00.6&	66.911	N	147.121	W	10	G			10 ALASKA. <AGS-P>.
	29	18	51	07.3?	32.82	S	72.46	W	10	G		0.8	11 OFF COAST OF CENTRAL CHILE
	29	18	51	32.3?	32.88	S	72.25	W	10	G		0.8	8 OFF COAST OF CENTRAL CHILE
	29	18	52	26.5?	32.84	S	72.33	W	10	G		0.5	11 OFF COAST OF CENTRAL CHILE
	29	18	57	57.9?	32.87	S	72.27	W	10	G		0.5	11 OFF COAST OF CENTRAL CHILE
	29	19	00	18.3?	32.84	S	72.40	W	10	G		0.4	10 OFF COAST OF CENTRAL CHILE
f	29	19	09	12.9	36.788	N	2.448	E	6	G	5.7 5.7	1.2	461 ALGERIA. Ms 5.9 (PAS). At least 30 people killed, 245 injured and damage (VIII) in the Cherchell-Tifaza area. Felt (IV) in the Balearic Islands, Spain. Depth from broadband displacement seismograms.
	29	19	21	52.4	36.745	N	2.443	E	10	G	5.4 5.6	1.1	367 ALGERIA. Additional casualties and damage in the Cherchell-Tifaza area.
	29	19	23	43.2	39.081	N	21.253	E	10	G		1.0	15 GREECE
	29	19	29	37.0*	38.982	N	20.959	E	10	G		1.1	7 GREECE. MD 2.9 (ATH).
	29	19	32	46.0	38.880	N	21.166	E	10	G		1.0	10 GREECE. MD 3.2 (ATH).
	29	19	33	41.2*	9.745	S	118.288	E	84	?	4.6	1.7	10 SUMBAWA ISLAND REGION
	29	19	34	29.6	39.033	N	21.147	E	13		3.5	1.2	33 GREECE. ML 3.7 (ATH).
	29	19	35	52.5	39.126	N	21.267	E	33	N	3.6	1.5	13 GREECE. ML 4.0 (ATH).
	29	19	38	50.6	39.062	N	21.249	E	10	G		0.8	7 GREECE. MD 3.1 (ATH).
	29	19	41	37.4	39.066	N	21.357	E	10	G		1.2	14 GREECE. MD 3.1 (ATH).
	29	19	43	58.3*	36.531	N	2.492	E	10	G	4.1	0.9	35 ALGERIA
	29	20	05	09.5	39.080	N	21.250	E	10	G		1.0	17 GREECE. MD 3.5 (ATH).
	29	20	14	47.0	39.047	N	21.257	E	10	G		0.9	15 GREECE. MD 3.1 (ATH).
	29	20	20	12.8*	36.828	N	2.430	E	10	G	3.8	1.2	27 ALGERIA
	29	20	24	41.0*	36.185	N	27.126	E	10	G		0.6	6 DODECANESE ISLANDS. MD 3.9 (ATH).
	29	20	59	49.9&	40.477	N	124.880	W	3				10 NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.3 (BRK).
	29	21	02	40.8?	38.65	N	21.01	E	10	G		0.8	8 GREECE
	29	21	03	03.8	38.938	N	21.174	E	10	G		0.9	7 GREECE. MD 3.2 (ATH).
	29	21	20	02.8	39.114	N	21.298	E	10	G		1.1	15 GREECE. MD 3.1 (ATH).
	29	21	55	45.1&	37.088	N	121.902	W	11				19 CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	29	22	00	27.8%	39.875	N	22.828	E	10	G		1.0	5 GREECE
	29	22	01	17.9	33.139	S	71.612	W	10	G		0.3	9 NEAR COAST OF CENTRAL CHILE
	29	22	01	51.3*	36.639	N	2.550	E	10	G		0.9	23 ALGERIA
	29	23	18	04.5	39.832	N	143.198	E	10	G	5.1 5.3	1.1	90 OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Morioka.
	29	23	50	09.8	38.999	N	21.151	E	10	G		1.3	15 GREECE. MD 3.0 (ATH).
	29	23	50	25.0%	40.577	N	27.493	E	10	G		0.9	6 TURKEY
	29	23	55	09.8&	36.837	N	121.615	W	5				14 CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	30	01	32	32.5	33.146	S	71.597	W	10	G		0.8	9 NEAR COAST OF CENTRAL CHILE
	30	01	54	44.3&	58.503	N	142.717	W	10	G			13 GULF OF ALASKA. <AGS-P>.
	30	02	05	26.2*	19.454	N	98.391	E	10	G		0.5	5 SOUTHEAST ASIA
	30	02	31	37.4?	36.38	N	2.66	E	10	G		0.9	9 ALGERIA
	30	02	36	25.5*	43.051	N	0.223	W	10	G		0.6	5 PYRENEES. MD 1.0 (STR).
	30	02	38	08.8	38.508	N	26.812	E	10	G		0.9	18 AEGEAN SEA. Felt at Izmir, Turkey.
	30	02	46	24.8&	57.103	N	142.873	W	10	G			4 GULF OF ALASKA. <AGS-P>.
	30	03	40	43.4?	4.54	S	145.84	E	95	?	4.2	1.1	7 NEAR N COAST OF PAPUA NEW GUINEA
	30	04	03	08.0?	18.39	N	102.74	W	33	N		1.6	5 MICHOACAN, MEXICO
	30	04	44	23.9?	32.84	S	72.35	W	10	G		0.5	12 OFF COAST OF CENTRAL CHILE
	30	05	02	52.0*	11.130	S	161.749	E	47	?	4.7	1.2	18 SOLOMON ISLANDS
	30	05	09	19.6?	32.79	S	72.46	W	10	G		0.6	11 OFF COAST OF CENTRAL CHILE
	30	05	32	22.3?	46.49	N	7.89	E	10	G		0.1	4 SWITZERLAND. ML 2.2 (LDG).
	30	06	06	36.3	46.559	N	7.212	E	10	G		1.2	19 SWITZERLAND. ML 3.0 (LDG).
	30	06	31	27.6&	36.913	N	121.687	W	10				15 CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	30	06	40	07.2*	27.757	S	64.180	E	10	G	5.1	1.0	23 ATLANTIC-INDIAN RISE
	30	08	05	59.1?	46.49	N	8.20	E	10	G		0.8	7 SWITZERLAND. ML 2.7 (LDG).
	30	08	12	39.3%	40.447	N	23.038	E	10	G		1.3	7 GREECE
	30	08	18	40.0&	61.569	N	146.355	W	30				13 SOUTHERN ALASKA. <AGS-P>. ML 3.1 (PMR).
	30	08	20	30.1*	42.868	N	12.836	E	10	G		0.0	5 CENTRAL ITALY. MD 2.2 (SSO).
	30	09	34	10.5	13.681	N	59.977	W	10	G		0.4	12 WINDWARD ISLANDS. ML 3.6 (FDF), 3.5 (TRN).
	30	09	59	22.6?	18.89	N	66.12	W	33	N		0.1	5 PUERTO RICO REGION
	30	10	19	02.6%	64.867	N	5.125	E	10	G		1.3	6 NORWEGIAN SEA. MD 2.7 (BER).
	30	10	32	15.9?	41.86	N	12.79	E	10	G		0.3	4 SOUTHERN ITALY
	30	11	17	13.7&	37.060	N	121.813	W	13				21 CENTRAL CALIFORNIA. <BRK>. ML 4.1 (BRK). Mo=9.7*10**14 Nm (BRK).

	30	11	24	05.5	44.626	N	7.263	E	12			0.8	83	NORTHERN ITALY. ML 3.7 (LDG), 3.6 (GEN). MD 3.4 (STR).
	30	11	34	28.2%	44.617	N	7.247	E	11			0.3	11	NORTHERN ITALY. ML 2.2 (GEN).
	30	11	35	45.0%	44.621	N	7.245	E	10	G		0.3	5	NORTHERN ITALY. ML 1.8 (GEN).
	30	11	37	39.5%	44.623	N	7.254	E	10	G		0.2	5	NORTHERN ITALY. ML 1.8 (GEN).
	30	11	41	08.7%	44.576	N	7.203	E	10	G		0.5	6	NORTHERN ITALY. ML 1.7 (GEN).
	30	12	43	18.0%	44.625	N	7.254	E	10	G		0.3	8	NORTHERN ITALY. ML 1.4 (GEN).
	30	12	43	27.6%	44.586	N	7.132	E	10	G		0.6	6	NORTHERN ITALY. ML 1.4 (GEN).
	30	12	44	51.7*	7.264	S	129.354	E	184	*	4.5	1.4	10	BANDA SEA
	30	12	52	23.6?	52.19	N	170.50	E	33	N		0.9	10	NEAR ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR).
	30	13	09	45.0?	46.49	N	8.45	E	10	G		0.8	6	SWITZERLAND. ML 2.5 (LDG).
	30	13	43	58.2&	64.817	N	149.072	W	13				9	CENTRAL ALASKA. <AGS-P>. ML 3.3 (PMR).
	30	13	44	56.0	46.561	N	7.268	E	10	G		0.8	17	SWITZERLAND. ML 3.0 (LDG).
	30	14	20	41.0?	39.21	N	144.24	E	10	G	4.1	0.3	7	OFF EAST COAST OF HONSHU, JAPAN
	30	14	24	00.5?	51.26	N	176.22	E	33	N	4.2	1.4	8	RAT ISLANDS, ALEUTIAN ISLANDS
	30	14	41	39.7%	44.616	N	7.242	E	10	G		0.3	8	NORTHERN ITALY. ML 2.1 (GEN).
	30	14	41	53.6	38.473	N	24.062	E	10	G		1.1	16	AEGEAN SEA. ML 3.0 (ATH).
	30	14	58	00.9%	59.950	N	6.272	E	10	G		0.6	9	SOUTHERN NORWAY. MD 1.8 (BER).
	30	15	02	55.2?	40.78	N	22.96	E	10	G		1.3	4	GREECE
	30	15	46	29.4%	44.620	N	7.231	E	10	G		0.2	5	NORTHERN ITALY. ML 2.0 (GEN).
	30	17	15	41.4*	7.626	S	128.687	E	128	?	4.3	1.5	10	BANDA SEA
	30	18	12	07.1*	6.618	N	76.027	W	75	*	4.6	1.5	18	NORTHERN COLOMBIA
	30	19	30	06.1*	12.366	N	59.614	W	10	G		0.4	12	WINDWARD ISLANDS. MD 3.9 (TRN).
	30	19	41	00.8	39.163	N	23.748	E	10	G		0.5	12	AEGEAN SEA. ML 2.9 (ATH).
	30	20	15	08.3?	8.72	S	112.23	E	125	?	4.4	0.8	6	JAVA
a	30	23	46	30.6	21.104	S	178.684	W	582	D	5.6	0.9	367	FIJI ISLANDS REGION
	31	00	11	45.5	32.740	S	70.385	W	104	*		0.5	14	CHILE-ARGENTINA BORDER REGION
	31	00	50	56.4?	6.18	N	73.39	W	197	*		1.2	11	NORTHERN COLOMBIA
	31	01	01	08.0&	63.012	N	149.386	W	87				23	CENTRAL ALASKA. <AGS-P>.
	31	01	43	28.1*	31.999	S	68.866	W	10	G		1.4	11	SAN JUAN PROVINCE, ARGENTINA
	31	01	45	21.2&	60.361	N	152.108	W	76				28	SOUTHERN ALASKA. <AGS-P>.
	31	02	13	27.7	36.707	N	21.074	E	10	G		1.0	13	SOUTHERN GREECE
	31	03	19	16.8	46.577	N	7.231	E	10	G		1.2	14	SWITZERLAND. ML 2.8 (LDG).
	31	04	13	35.9	36.646	N	2.450	E	10	G	3.9	0.9	25	ALGERIA. mbLg 3.6 (MDD).
	31	04	16	20.1*	34.371	N	2.288	E	10	G		1.0	22	ALGERIA. mbLg 3.6 (MDD).
	31	04	33	26.8?	36.73	N	2.52	E	10	G		0.6	4	ALGERIA
	31	04	52	41.2?	32.01	S	69.64	W	10	G		1.5	11	MENDOZA PROVINCE, ARGENTINA
	31	05	07	57.3	39.579	N	143.257	E	33	N	4.7 4.2	0.8	39	OFF EAST COAST OF HONSHU, JAPAN
	31	05	47	25.8?	4.14	S	133.50	E	33	N	3.9	1.3	8	WEST IRIAN REGION
	31	06	10	08.6?	36.88	N	2.43	E	10	G		0.5	4	ALGERIA
	31	07	09	42.1%	36.410	N	5.829	W	10	G		0.8	6	STRAIT OF GIBRALTAR
	31	07	15	06.6%	40.774	N	23.054	E	10	G		0.4	7	GREECE
a	31	07	18	48.9	11.009	S	162.397	E	51	*	5.1 4.5	1.1	38	SOLOMON ISLANDS
	31	07	20	27.4	36.676	N	21.437	E	52	*	3.6	1.0	33	SOUTHERN GREECE. MD 3.7 (ATH).
	31	07	52	57.8	37.733	N	15.457	E	24			1.4	33	SICILY
	31	08	03	18.3&	62.406	N	149.319	W	58				32	CENTRAL ALASKA. <AGS-P>.
	31	08	30	09.6%	35.102	N	24.204	E	10	G		1.7	5	CRETE. MD 3.5 (ATH).
	31	08	34	51.3&	37.062	N	121.797	W	10				18	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=5.5*10**14 Nm (BRK). Felt at Los Gatos and San Francisco. ML 1.4 event 2.5 seconds earlier. (BRK).
	31	08	39	25.1*	15.710	N	62.385	W	33	N		1.2	9	LEEWARD ISLANDS. ML 2.8 (FDF).
	31	09	15	19.0%	18.095	N	66.006	W	33	N		0.6	5	PUERTO RICO REGION
	31	10	11	35.4%	33.081	S	71.679	W	10	G		0.7	9	NEAR COAST OF CENTRAL CHILE
	31	10	20	00.0?	37.91	N	27.30	E	10	G		0.5	6	TURKEY
	31	12	03	48.2?	51.53	N	16.27	E	10	G		0.8	4	POLAND
	31	12	05	30.9&	63.383	N	147.853	W	83				23	CENTRAL ALASKA. <AGS-P>.
	31	13	11	55.5	12.458	S	166.826	E	291	?	4.6	1.0	46	SANTA CRUZ ISLANDS
	31	13	34	15.6	41.506	N	22.324	E	10	G		0.5	7	YUGOSLAVIA. ML 2.1 (SKO).
	31	15	01	33.6?	34.43	S	70.79	W	90	G		0.5	9	CHILE-ARGENTINA BORDER REGION
	31	15	30	00.0&	37.263	N	116.491	W	0		5.7		270	SOUTHERN NEVADA. <DOE>. ML 5.3 (BRK). 37° 15' 47.16" N., 116° 29' 26.61" W., Surface Elev. 1873 m., Depth of Burial 600 m., Shot Time 153000.085, "HORNITOS," Nevada Test Site (Dept. of Energy).
	31	16	56	58.5	21.826	S	138.910	W	0	G	5.2	1.0	109	TUAMOTU ARCHIPELAGO REGION
	31	17	13	12.1?	11.03	S	162.48	E	33	N	4.5	1.0	7	SOLOMON ISLANDS
	31	17	16	47.7	9.230	S	111.995	E	33	N	4.8	1.3	35	SOUTH OF JAVA
	31	18	33	57.6&	55.317	N	162.418	W	124				5	ALASKA PENINSULA. <PAL>.
a	31	18	44	20.6	9.219	S	111.962	E	33	N	5.3 5.2	1.3	155	SOUTH OF JAVA
	31	19	13	47.7*	9.516	S	111.880	E	33	N	4.7 4.5	1.4	25	SOUTH OF JAVA
	31	19	17	13.8*	7.228	S	151.329	E	33	N	4.1	0.9	6	NEW BRITAIN REGION
a	31	19	35	00.4	9.306	S	112.050	E	33	N	5.4 5.2	1.3	155	SOUTH OF JAVA
	31	20	07	27.3*	9.837	S	111.731	E	33	N	4.2	1.0	7	SOUTH OF JAVA
	31	20	53	48.3&	61.334	N	150.643	W	47				14	SOUTHERN ALASKA. <AGS-P>.
	31	21	26	23.4	36.554	N	2.585	E	10	G		1.0	33	ALGERIA. mbLg 3.6 (MDD).
	31	22	09	35.2?	10.83	S	160.90	E	33	N		1.4	6	SOLOMON ISLANDS
	31	22	13	59.8*	38.234	N	22.234	E	10	G		1.2	8	GREECE. MD 3.1 (ATH).
	31	22	21	53.8*	38.273	N	21.801	E	10	G		1.2	7	GREECE. MD 3.0 (ATH).
	31	22	48	14.1	42.196	N	15.787	E	10	G		1.5	21	ADRIATIC SEA

ADDITIONAL SOURCE PARAMETERS

02 07 55 40.68 10.531N 126.918E 25km
5.4mb (25 obs.) 4.5Msz (6 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 07:55:44.4 0.7
Lat 10.65N 0.08 Lon 126.63E 0.07
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.74	20	250
N	0.07	19	152
P	-10.81	62	23

Best Double Couple:Mo=1.1*10**17
NP1:Strike= 9 Dip=30 Slip= -50
NP2: 144 68 -110

03 15 21 44.08 5.548S 147.455E 181km
5.3mb (36 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 15:21:51.1 1.0
Lat 5.78S 0.07 Lon 147.24E 0.09
Dep 187.1 2.7 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.56	43	68
N	-0.96	44	274
P	-8.60	13	171

Best Double Couple:Mo=9.1*10**16
NP1:Strike=220 Dip=50 Slip= 25
NP2: 113 71 137

03 21 33 34.77 24.103S 66.891W 155km
5 4mb (51 obs.)
SALTA PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centroid Location:
Origin Time 21:33:44.9 0.4
Lat 24.21S 0.06 Lon 66.65W 0.04
Dep 186.1 1.6 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.80	8	92
N	-0.47	23	358
P	-1.33	66	200

Best Double Couple:Mo=1.6*10**17
NP1:Strike=206 Dip=42 Slip= -55
NP2: 343 57 -117

03 23 09 53.86 80.638N 121.761E 31km
5.2mb (55 obs.) 4.9Msz (14 obs.)
EAST OF SEVERNAYA ZEMLYA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 30C
Centroid Location:
Origin Time 23:10:56.5 0.7
Lat 80.24N 0.08 Lon 121.66E 0.58
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.99	10	232
N	-0.08	9	141
P	-1.90	76	9

Best Double Couple:Mo=2.0*10**17
NP1:Strike=334 Dip=36 Slip= -74
NP2: 134 56 -101

04 06 46 13.76 23.807S 179.949E 525km
5.0mb (25 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 06:46:20.6 1.3
Lat 23.64S 0.10 Lon 179.52E 0.10
Dep 538.3 4.4 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.51	56	70
N	0.09	21	194
P	-10.60	26	295

Best Double Couple:Mo=1.1*10**17
NP1:Strike= 63 Dip=26 Slip= 143
NP2: 188 74 68

04 12 17 38.97 46.844N 153.963E 38km
5.5mb (61 obs.) 5.0Msz (1 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 12:17:44.5 0.8
Lat 47.09N 0.11 Lon 153.94E 0.11
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	3.60	83	227
N	0.30	7	30
P	-3.90	2	120

Best Double Couple:Mo=3.8*10**16
NP1:Strike=217 Dip=43 Slip= 100
NP2: 24 47 81

07 01 25 03.66 78.841N 4.402E 10km
5.0mb (32 obs.) 4.1Msz (2 obs.)
GREENLAND SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 01:25: 9.0 0.6
Lat 79.04N 0.08 Lon 4.04E 0.25
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.12	0	266
N	-0.22	90	180
P	-5.90	0	176

Best Double Couple:Mo=6.0*10**16
NP1:Strike=311 Dip=90 Slip=-180
NP2: 41 90 0

07 06 55 41.22 20.095S 169.023E 39km
5.5mb (32 obs.) 5.7Msz (28 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 46C
Centroid Location:
Origin Time 06:55:48.3 0.6
Lat 19.95S 0.04 Lon 168.83E 0.05
Dep 44.0 1.6 Half-duration 3.0
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.46	71	214
N	0.52	19	30
P	-1.98	1	120

Best Double Couple:Mo=1.7*10**18
NP1:Strike=228 Dip=47 Slip= 116
NP2: 13 49 65

07 13 21 05.44 12.146N 125.553E 56km
5.2mb (13 obs.) 4.6Msz (8 obs.)
SAMAR, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 26C
Centroid Location:
Origin Time 13:21: 7.2 0.7
Lat 11.63N 0.10 Lon 125.66E 0.14
Dep 47.2 7.4 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.32	31	30
N	-0.26	56	240
P	-8.06	14	128

Best Double Couple:Mo=8.2*10**16
NP1:Strike=173 Dip=58 Slip= 13
NP2: 76 79 147

07 15 48 29.06 51.314N 179.028W 20km
6.1mb (65 obs.) 6.7Msz (29 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 65 Dip=75 Slip= 90
NP2: 245 15 90
Principal Axes:

	Plg=	Azm=
T	60	335
P	30	155

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 15 Focal mech. C
Energy 1.0±0.2*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 24S, 62C M.W.: 18S, 41C
Centroid Location:
Origin Time 15:48:36.6 0.1
Lat 51.24N 0.01 Lon 178.97W 0.02
Dep 26.8 0.7 Half-duration 9.0
Principal Axes:
Scale 10**19 Nm

	Val=	Plg=	Azm=
T	1.75	63	319
N	0.07	8	65
P	-1.82	25	159

Best Double Couple:Mo=1.8*10**19
NP1:Strike=266 Dip=21 Slip= 113
NP2: 62 71 82

07 16 42 30.75 51.188N 179.234W 33km
5.7mb (59 obs.) 5.9Msz (9 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 29C M.W.: 13S, 25C
Centroid Location:
Origin Time 16:42:32.1 0.4
Lat 51.10N 0.03 Lon 179.07W 0.08
Dep 15.0 FIX Half-duration 5.8
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.20	72	29
N	0.19	11	263
P	-2.39	14	170

Best Double Couple:Mo=2.3*10**18
NP1:Strike=245 Dip=32 Slip= 69
NP2: 89 60 103

07 17 42 36.45 51.137N 179.221W 33km
5.6mb (57 obs.) 5.7Msz (6 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 32C
Centroid Location:
Origin Time 17:42:45.9 0.9
Lat 51.03N 0.16 Lon 179.22W 0.23
Dep 15.0 FIX Half-duration 3.7
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.61	55	337
N	0.12	5	240
P	-1.73	34	147

Best Double Couple:Mo=1.7*10**18
NP1:Strike=216 Dip=12 Slip= 66
NP2: 61 79 95

07 18 50 40.83 51.076N 179.306W 33km
5.5mb (58 obs.) 5.3Msz (7 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 18C
Centroid Location:
Origin Time 18:50:43.4 1.1
Lat 51.01N 0.14 Lon 179.23W 0.16
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.85	66	19
N	0.03	20	235
P	-3.88	13	140

Best Double Couple:Mo=3.9*10**17
NP1:Strike=206 Dip=36 Slip= 55
NP2: 67 61 113

08 22 32 39.23 17.141N 100.190W 35km
5.0mb (16 obs.) 4.1Msz (1 obs.)
GUERRERO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 22:32:41.3 2.2
Lat 17.12N 0.17 Lon 99.93W 0.12

Dep 35.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.71 Plg=77 Azm=224
N 0.05 12 62
P -4.76 4 331
Best Double Couple:Mo=4.7*10**16
NP1:Strike= 48 Dip=42 Slip= 72
NP2: 252 50 106

09 10 03 19.49 4.293S 77.563W 35km
5.4mb (37 obs.) 5.1Msz (1 obs.)
NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Locatian:
Origin Time 10:03:26.2 0.5
Lat 4.61S 0.04 Lon 76.84W 0.05
Dep 52.9 4.8 Half-durotian 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.69 Plg= 1 Azm=203
N 0.14 80 108
P -1.83 10 293
Best Double Cauple:Ma=1.8*10**17
NP1:Strike=338 Dip=82 Slip= -6
NP2: 69 84 -172

09 18 01 07.87 51.780N 171.869E 26km
6.0mb (85 abs.) 5.3Msz (31 obs.)
NEAR ISLANDS, ALEUTIAN ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=340 Dip=77 Slip= -90
NP2: 160 13 -90
Principol Axes:
T Plg=32 Azm= 70
P 58 250
Comment: The focal mechonism is poorly controlled and corresponds to normol foulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sto: 10 Focal mech. C
Energy 7.9±1.8*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 24 No. of sto: 20
Principal Axes:
Scole 10**17 Nm
T Val= 5.80 Plg=12 Azm=102
N -1.13 38 3
P -4.67 49 207
Best Double Couple:Mo=5.2*10**17
NP1:Strike=230 Dip=47 Slip= -32
NP2: 343 67 -132
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 39C
Centroid Locotion:
Origin Time 18:01:13.4 0.2
Lat 51.61N 0.04 Lon 171.15E 0.04
Dep 15.0 FIX Half-duratian 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 4.93 Plg=19 Azm= 74
N -0.73 6 342
P -4.20 70 234
Best Double Couple:Mo=4.6*10**17
NP1:Strike=174 Dip=27 Slip= -76
NP2: 339 64 -97

09 20 39 40.15 4.230S 136.720E 33km
5.2mb (21 obs.) 4.5Msz (3 obs.)
WEST IRIAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 36C
Centroid Locotion:
Origin Time 20:39:42.2 0.8
Lat 4.39S 0.10 Lon 136.41E 0.12
Dep 16.6 6.7 Half-duration 1.5
Principal Axes:
Scole 10**16 Nm
T Val= 4.75 Plg=63 Azm=295
N -0.06 18 64
P -4.69 20 161
Best Double Couple:Mo=4.7*10**16
NP1:Strike=279 Dip=30 Slip= 129
NP2: 56 67 70

10 06 45 38.13 9.112S 113.201E 49km
5.2mb (20 obs.) 4.2Msz (2 obs.)
SOUTH OF JAVA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centraid Location:
Origin Time 06:45:40.2 1.0
Lat 9.35S 0.09 Lan 113.17E 0.08
Dep 56.7 6.9 Half-duration 1.7
Principol Axes:
Scale 10**16 Nm
T Val= 9.59 Plg=14 Azm=284
N -2.12 58 38
P -7.46 28 186
Best Double Couple:Ma=8.5*10**16
NP1:Strike=328 Dip=60 Slip=-169
NP2: 233 81 -31

13 09 59 11.96 17.609S 122.404E 10km
5.4mb (10 obs.) 4.5Msz (3 obs.)
WESTERN AUSTRALIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 09:59:25.8 1.4
Lat 16.94S 0.09 Lan 122.57E 0.06
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.23 Plg=13 Azm=159
N -0.27 57 49
P -1.95 30 257
Best Double Couple:Mo=2.1*10**17
NP1:Strike=294 Dip=59 Slip= -13
NP2: 31 79 -149

13 16 49 36.89 32.766S 179.009W 101km
5.5mb (16 obs.)
SOUTH OF KERMADEC ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=210 Dip=85 Slip= -90
NP2: 30 5 -90
Principal Axes:
T Plg=40 Azm=300
P 50 120
Comment: The focal mechanism is poorly controlled and corresponds to narmal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 94 No. of sta: 7
Principal Axes:
Scale 10**17 Nm
T Val= 2.68 Plg=44 Azm=303
N -0.53 5 38
P -2.16 45 132
Best Double Couple:Mo=2.4*10**17
NP1:Strike=315 Dip= 5 Slip=-172
NP2: 218 89 -85
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 38C
Centroid Location:
Origin Time 16:49:42.9 0.4
Lat 32.39S 0.04 Lon 179.38W 0.04
Dep 105.2 1.9 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.92 Plg=42 Azm=281
N -0.36 13 23
P -2.55 45 126
Best Double Couple:Mo=2.7*10**17
NP1:Strike=299 Dip=13 Slip=-174
NP2: 203 89 -77

13 21 19 57.96 34.726N 139.531E 26km
5.3mb (35 obs.) 4.8Msz (5 obs.)
NEAR S. COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 21:20: 1.6 0.8
Lat 34.68N 0.06 Lon 138.97E 0.08
Dep 21.9 4.0 Half-duration 1.9
Principol Axes:
Scale 10**17 Nm
T Val= 1.06 Plg=19 Azm= 13
N 0.43 65 236
P -1.49 16 109
Best Double Couple:Mo=1.3*10**17
NP1:Strike=151 Dip=65 Slip= 2
NP2: 60 88 155

14 02 32 01.27 24.256S 179.906W 511km
5.4mb (19 abs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Locotion:
Origin Time 02:32: 1.8 1.3
Lat 24.70S 0.09 Lan 179.62W 0.13
Dep 537.8 3.7 Half-duratian 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.44 Plg=43 Azm=102
N 0.05 26 219
P -1.50 36 330
Best Double Cauple:Ma=1.5*10**17
NP1:Strike=119 Dip=27 Slip= 171
NP2: 217 86 64

14 17 55 04.48 9.405S 156.311E 33km
5.1mb (6 abs.) 4.8Msz (8 abs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 17S, 39C
Centroid Location:
Origin Time 17:55: 5.9 0.4
Lat 9.67S 0.04 Lon 156.34E 0.03
Dep 30.5 3.3 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.27 Plg= 2 Azm=301
N 0.56 78 200
P -2.83 12 31
Best Double Couple:Ma=2.5*10**17
NP1:Strike= 75 Dip=80 Slip= -7
NP2: 166 83 -170

15 08 06 17.73 55.566N 164.311E 33km
4.9mb (29 abs.) 5.0Msz (5 abs.)
KOMANDORSKY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centraid Locotion:
Origin Time 08:06:21.3 0.7
Lot 55.97N 0.10 Lon 164.00E 0.11
Dep 33.0 FIX Half-duration 1.5
Principol Axes.
Scale 10**16 Nm
T Val= 6.62 Plg= 6 Azm= 93
N -0.87 76 339
P -5.76 13 185
Best Double Couple:Mo=6.2*10**16
NP1:Strike=228 Dip=77 Slip= -5
NP2: 319 85 -167

15 10 05 04.78 60.320S 150.091E 10km
5.2mb (5 obs.) 5.8Msz (9 abs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 45C
Centroid Location:
Origin Time 10:05:17.3 0.3
Lat 59.95S 0.03 Lon 149.42E 0.05
Dep 15.0 FIX Half-duration 3.8
Principol Axes:
Scale 10**17 Nm
T Val= 11.33 Plg= 0 Azm=207
N -0.67 90 180
P -10.65 0 117
Best Double Couple:Mo=1.1*10**18
NP1:Strike=252 Dip=90 Slip=-180
NP2: 342 90 0

15 21 12 04.10 19.151N 121.197E 33km
5.2mb (31 abs.) 4.6Msz (3 abs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 21:12: 6.4 0.5
Lat 19.14N 0.08 Lon 120.67E 0.09
Dep 53.8 5.9 Half-duration 1.9
Principal Axes:
Scale 10**16 Nm
T Val= 9.50 Plg=72 Azm=168
N 0.37 13 32
P -9.87 12 299

Best Double Couple:Mo=9.7•10••16
NP1:Strike= 12 Dip=35 Slip= 67
NP2: 220 58 105

15 23 40 35.47 0.310S 82.457E 10km
5.1mb (28 obs.)
SOUTH INDIAN OCEAN
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 9S, 20C
Centroid Locotion:
Origin Time 23:40:35.0 0.8
Lot 0.29S 0.05 Lon 81.81E 0.06
Dep 15.0 FIX Holf-durotion 1.6
Principol Axes:
Scole 10••16 Nm
T Vol= 9.53 Plg= 0 Azm=254
N -1.52 90 180
P -8.01 0 164
Best Double Couple:Mo=8.8•10••16
NP1:Strike=299 Dip=90 Slip=-180
NP2: 29 90 0

17 16 27 52.92 4.035S 152.407E 26km
5.6mb (13 obs.) 5.8Msz (25 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=297 Dip=81 Slip= 13
NP2: 205 77 171
Principol Axes:
T Plg=16 Azm=161
P 3 71
Comment: The focol mechonism is poorly controlled ond corresponds to strike-slip foulting with o smoll reverse component. The preferred foult plone is not determined.
RADIATED ENERGY
No. of sto: 6 Focol mech. C
Energy 1.7±0.5•10••13 Nm
MOMENT TENSOR SOLUTION
Dep 48 No. of sto: 9
Principal Axes:
Scole 10••18 Nm
T Vol= 3.14 Plg= 2 Azm= 4
N 0.00 86 236
P -3.14 3 94
Best Double Couple:Mo=3.1•10••18
NP1:Strike=139 Dip=86 Slip= 0
NP2: 229 90 -176
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 19S, 54C M.W.: 10S, 19C
Centroid Locotion:
Origin Time 16:27:59.6 0.2
Lot 3.97S 0.02 Lon 152.21E 0.02
Dep 15.0 FIX Holf-durotion 4.0
Principol Axes:
Scole 10••18 Nm
T Vol= 1.52 Plg=26 Azm= 1
N -0.27 64 188
P -1.24 3 93
Best Double Couple:Mo=1.4•10••18
NP1:Strike=140 Dip=70 Slip= 17
NP2: 44 74 159

18 00 04 15.24 37.036N 121.883W 19km
6.5mb (88 obs.) 7.1Msz (21 obs.)
CENTRAL CALIFORNIA
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=120 Dip=80 Slip= 134
NP2: 220 45 14
Principol Axes:
T Plg=39 Azm= 69
P 22 178
Comment: The focol mechonism is moderotely well controlled ond corresponds to reverse foulting with o lorge strike-slip component. The preferred foult plone is NP1.
RADIATED ENERGY
No. of sto: 12 Focol mech. M
Energy 5.4±1.1•10••14 Nm
MOMENT TENSOR SOLUTION
Dep 8 No. of sto: 15
Principal Axes:
Scole 10••19 Nm
T Vol= 2.28 Plg=52 Azm=108
N 0.09 38 286
P -2.36 1 17
Best Double Couple:Mo=2.3•10••19
NP1:Strike=139 Dip=56 Slip= 138
NP2: 255 57 43
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 3S, 9C M.W.: 14S, 39C
Centroid Locotion:
Origin Time 00:04:21.3 0.3
Lot 37.06N 0.01 Lon 121.63W 0.02
Dep 19.0 FIX Holf-durotion 11.0
Principol Axes:
Scole 10••19 Nm
T Vol= 2.31 Plg=49 Azm= 74
N 0.45 36 289
P -2.76 18 186
Best Double Couple:Mo=2.5•10••19
NP1:Strike=235 Dip=41 Slip= 29
NP2: 123 71 128
GEOSCOPE MOMENT TENSOR (PAR)
Dep 9.0 Holf-Durotion 21.0
Best Double Couple:Mo=7.0•10••19
NP1:Strike=142 Dip=81 Slip= 110
NP2: 255 22 25

18 10 53 48.23 14.583N 44.928W 10km
5.1mb (16 obs.) 5.1Msz (3 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 10S, 14C
Centroid Locotion:
Origin Time 10:53:55.5 0.8
Lot 14.91N 0.12 Lon 44.61W 0.13
Dep 15.0 FIX Holf-durotion 2.0
Principol Axes:
Scole 10••17 Nm
T Vol= 1.87 Plg= 7 Azm=283
N 0.01 24 190
P -1.87 65 27
Best Double Couple:Mo=1.9•10••17
NP1:Strike= 37 Dip=44 Slip= -54
NP2: 172 56 -119

18 11 40 50.22 10.155S 161.063E 45km
6.1mb (51 obs.) 5.7Msz (13 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=320 Dip=45 Slip= 90
NP2: 140 45 90
Principol Axes:
T Plg=90 Azm= 0
P 0 50
Comment: The focol mechonism is poorly controlled ond corresponds to reverse foulting. The preferred foult plone is not determined.
RADIATED ENERGY
No. of sto: 8 Focol mech. F
Energy 2.8±0.7•10••13 Nm
MOMENT TENSOR SOLUTION
Dep 44 No. of sto: 15
Principal Axes:
Scole 10••18 Nm
T Vol= 1.46 Plg=49 Azm=292
N -0.05 39 131
P -1.41 10 33
Best Double Couple:Mo=1.4•10••18
NP1:Strike= 86 Dip=49 Slip= 33
NP2: 333 66 134
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 13S, 31C
Centroid Locotion:
Origin Time 11:40:58.8 0.3
Lot 9.95S 0.03 Lon 160.52E 0.03
Dep 53.8 2.0 Holf-durotion 3.7
Principol Axes:
Scole 10••17 Nm
T Vol= 10.09 Plg=69 Azm=284
N 1.03 20 127
P -11.12 7 34
Best Double Couple:Mo=1.1•10••18
NP1:Strike=103 Dip=41 Slip= 59
NP2: 321 55 114

18 12 35 16.96 10.183S 161.113E 69km
5.4mb (24 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 7S, 22C
Centroid Location:
Origin Time 12:35:23.6 0.7
Lot 9.30S 0.11 Lon 161.32E 0.09
Dep 15.0 FIX Holf-durotion 2.6
Principol Axes:
Scole 10••17 Nm
T Vol= 4.41 Plg=38 Azm= 52
N -0.53 2 320
P -3.88 52 228
Best Double Couple:Mo=4.2•10••17
NP1:Strike=155 Dip= 7 Slip= -75
NP2: 320 83 -92

18 13 06 47.80 14.603N 45.068W 10km
5.2mb (46 obs.) 5.2Msz (5 obs.)
NORTH ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 16S, 32C
Centroid Locotion:
Origin Time 13:06:55.9 0.4
Lot 14.27N 0.05 Lon 44.86W 0.03
Dep 15.0 FIX Holf-durotion 3.0
Principol Axes:
Scole 10••17 Nm
T Vol= 3.66 Plg= 0 Azm=268
N -0.74 0 178
P -2.92 90 180
Best Double Couple:Mo=3.3•10••17
NP1:Strike=358 Dip=45 Slip= -90
NP2: 178 45 -90

18 14 57 22.47 39.893N 113.884E 10km
5.1mb (30 obs.) 5.3Msz (7 obs.)
NORTHEASTERN CHINA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 14:57:27.1 0.4
Lot 39.83N 0.07 Lon 113.61E 0.12
Dep 15.0 FIX Holf-durotion 1.9
Principol Axes:
Scole 10••17 Nm
T Vol= 1.54 Plg= 7 Azm=160
N -0.26 76 278
P -1.29 12 68
Best Double Couple:Mo=1.4•10••17
NP1:Strike=204 Dip=76 Slip=-176
NP2: 113 86 -14

18 16 19 02.83 18.016S 176.328W 208km
5.4mb (22 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 8S, 13C
Centroid Location:
Origin Time 16:19:10.6 2.0
Lot 18.31S 0.17 Lon 176.44W 0.18
Dep 348.5 8.3 Holf-durotion 1.5
Principol Axes:
Scole 10••16 Nm
T Vol= 11.40 Plg=39 Azm=273
N -3.31 41 139
P -8.09 25 25
Best Double Couple:Mo=9.7•10••16
NP1:Strike= 65 Dip=42 Slip= 12
NP2: 326 82 131

18 17 01 34.98 39.985N 113.990E 11km
5.2mb (56 obs.) 5.6Msz (6 obs.)
NORTHEASTERN CHINA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 11S, 50C
Centroid Location:
Origin Time 17:01:39.4 0.1
Lot 39.77N 0.03 Lon 113.49E 0.04
Dep 15.0 FIX Holf-durotion 2.4
Principol Axes:
Scole 10••17 Nm
T Vol= 3.61 Plg= 7 Azm=155
N -0.55 74 270
P -3.07 14 64
Best Double Couple:Mo=3.3•10••17
NP1:Strike=200 Dip=75 Slip=-175
NP2: 109 85 -15

18 18 20 47.61 40.046N 113.927E 11km
5.4mb (50 obs.) 5.2Msz (2 obs.)
NORTHEASTERN CHINA
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 9S, 18C

Centroid Location:
Origin Time 18:20:49.8 0.5
Lat 39.63N 0.06 Lon 113.84E 0.11
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	14.15	11	328
N	0.68	33	231
P	-14.83	54	75

Best Double Couple:Mo=1.4*10**17
NP1:Strike= 92 Dip=44 Slip= -39
NP2: 212 64 -127

18 18 41 24.33 2.086N 126.579E 53km
5.2mb (23 obs.) 4.8Msz (6 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 23C
Centroid Location:
Origin Time 18:41:27.4 0.8
Lat 2.57N 0.07 Lon 126.60E 0.07
Dep 42.3 5.2 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.62	70	159
N	0.30	17	15
P	-2.92	11	282

Best Double Couple:Mo=2.8*10**17
NP1:Strike=351 Dip=37 Slip= 61
NP2: 206 59 110

19 14 28 26.35 51.710N 176.019W 49km
4.9mb (27 obs.) 4.8Msz (5 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 14:28:24.2 1.6
Lat 51.54N 0.10 Lon 175.38W 0.15
Dep 53.0 4.6 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.24	71	274
N	0.82	15	52
P	-7.06	12	145

Best Double Couple:Mo=6.7*10**16
NP1:Strike=254 Dip=35 Slip= 116
NP2: 43 59 73

19 16 47 06.95 8.045N 126.781E 74km
5.1mb (14 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 16:47: 8.1 0.8
Lat 7.99N 0.11 Lon 127.55E 0.11
Dep 24.4 6.7 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.66	70	203
N	0.01	19	10
P	-8.67	4	101

Best Double Couple:Mo=8.7*10**16
NP1:Strike=211 Dip=44 Slip= 119
NP2: 354 52 65

20 03 43 13.16 0.573N 121.435E 103km
5.4mb (22 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 24C
Centroid Location:
Origin Time 03:43:13.8 0.4
Lat 0.65N 0.04 Lon 121.14E 0.05
Dep 100.2 2.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.19	3	275
N	-0.26	56	9
P	-1.93	34	183

Best Double Couple:Mo=2.1*10**17
NP1:Strike=324 Dip=64 Slip=-156
NP2: 223 69 -28

20 04 53 22.08 12.472N 141.873E 41km
5.1mb (8 obs.) 4.8Msz (2 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 26C
Centroid Location:
Origin Time 04:53:23.8 0.8
Lat 12.66N 0.08 Lon 141.31E 0.12
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.02	12	159
N	-0.98	0	69
P	-7.03	78	339

Best Double Couple:Mo=7.5*10**16
NP1:Strike=249 Dip=33 Slip= -90
NP2: 69 57 -90

20 07 43 34.51 0.024S 123.156E 153km
5.4mb (25 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 07:43:33.6 0.9
Lat 0.24S 0.09 Lon 123.24E 0.14
Dep 140.0 3.8 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.81	69	15
N	0.99	15	242
P	-5.80	15	148

Best Double Couple:Mo=5.3*10**16
NP1:Strike=218 Dip=33 Slip= 62
NP2: 71 62 107

20 15 07 32.95 12.425N 141.887E 56km
4.8mb (14 obs.) 4.4Msz (2 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 29C
Centroid Location:
Origin Time 15:07:31.4 1.0
Lat 12.22N 0.11 Lon 141.42E 0.13
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.76	34	343
N	0.25	4	76
P	-10.01	56	172

Best Double Couple:Mo=9.9*10**16
NP1:Strike= 56 Dip=12 Slip=-111
NP2: 257 79 -86

21 03 29 34.04 5.272S 68.542E 10km
5.1mb (37 obs.) 5.2Msz (10 obs.)
CHAGOS ARCHIPELAGO REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 29C
Centroid Location:
Origin Time 03:29:38.8 1.0
Lat 5.72S 0.10 Lon 68.46E 0.08
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.92	33	46
N	-0.06	2	314
P	-2.86	57	221

Best Double Couple:Mo=2.9*10**17
NP1:Strike=145 Dip=12 Slip= -79
NP2: 314 78 -92

21 06 14 50.65 26.082S 179.884W 444km
5.2mb (27 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 14C
Centroid Location:
Origin Time 06:15: 0.9 1.5
Lat 25.77S 0.15 Lon 179.43E 0.15
Dep 462.2 7.9 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.97	27	52
N	0.61	37	163
P	-10.58	42	295

Best Double Couple:Mo=1.0*10**17
NP1:Strike= 92 Dip=38 Slip=-165
NP2: 350 81 -53

21 12 44 59.77 5.443S 131.055E 33km
5.3mb (17 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 12:45: 5.0 1.2
Lat 5.32S 0.07 Lon 131.16E 0.13
Dep 69.0 8.3 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.28	70	324
N	-1.18	10	83
P	-4.09	17	176

Best Double Couple:Mo=4.7*10**16
NP1:Strike=281 Dip=29 Slip= 111
NP2: 77 63 79

22 02 10 57.50 26.304N 110.377W 10km
5.3mb (11 obs.)
GULF OF CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 17C
Centroid Location:
Origin Time 02:10:51.3 3.1
Lat 25.52N 0.24 Lon 109.99W 0.21
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	0.89	0	96
N	0.13	90	180
P	-1.03	0	6

Best Double Couple:Mo=1.0*10**17
NP1:Strike=141 Dip=90 Slip=-180
NP2: 231 90 0

22 13 24 15.06 4.675S 153.240E 67km
5.4mb (33 obs.)
NEW IRELAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Location:
Origin Time 13:24:19.6 1.2
Lat 4.23S 0.08 Lon 153.60E 0.12
Dep 33.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.16	45	26
N	0.51	25	269
P	-1.67	35	160

Best Double Couple:Mo=1.4*10**17
NP1:Strike=194 Dip=25 Slip= 13
NP2: 91 84 115

22 20 35 40.87 7.358S 128.598E 156km
5.4mb (29 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 20:35:49.2 0.5
Lat 7.20S 0.04 Lon 128.24E 0.05
Dep 163.0 1.2 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.39	72	0
N	-0.23	15	147
P	-3.17	9	240

Best Double Couple:Mo=3.3*10**17
NP1:Strike=348 Dip=38 Slip= 116
NP2: 137 56 71

23 13 08 25.61 25.645S 179.809E 441km
5.7mb (40 obs.)
SOUTH OF FIJI ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 8 Dip=80 Slip= -90
NP2: 188 10 -90
Principal Axes:

	Plg=	Azm=
T	35	98
P	55	278

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 467 No. of sta: 13
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.11	28	95

N -0.01 19 195
P -1.11 55 315
Best Double Couple:Mo=1.1*10**18
NP1:Strike=145 Dip=24 Slip=-143
NP2: 21 76 -70
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 45C
Centroid Location:
Origin Time 13:08:39.4 0.2
Lat 25.51S 0.03 Lon 179.15E 0.02
Dep 480.3 1.0 Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 1.77 Plg=47 Azm= 88
N 0.00 5 183
P -1.77 42 278
Best Double Couple:Mo=1.8*10**18
NP1:Strike= 66 Dip= 6 Slip= 153
NP2: 183 87 85

23 20 55 11.87 11.909N 86.277W 73km
4.9mb (12 obs.)
NEAR COAST OF NICARAGUA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 20:55:15.4 0.5
Lat 12.04N 0.05 Lon 86.35W 0.06
Dep 92.3 3.8 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.92 Plg=49 Azm= 63
N -0.30 13 318
P -1.62 38 217
Best Double Couple:Mo=1.8*10**17
NP1:Strike=250 Dip=14 Slip= 22
NP2: 139 85 103

23 23 41 26.32 27.916S 66.856W 168km
5.4mb (23 obs.)
CATAMARCA PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 23:41:36.2 0.5
Lat 27.51S 0.06 Lon 66.39W 0.06
Dep 175.8 2.1 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 11.59 Plg= 7 Azm= 50
N 0.36 46 313
P -11.95 43 147
Best Double Couple:Mo=1.2*10**17
NP1:Strike=179 Dip=55 Slip= -29
NP2: 286 66 -142

25 20 29 00.05 57.519N 118.811E 22km
5.4mb (65 obs.) 5.5Msz (7 obs.)
EAST OF LAKE BAIKAL
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 20:29: 3.8 0.5
Lat 57.81N 0.08 Lon 118.65E 0.17
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.82 Plg= 6 Azm=330
N -0.39 7 239
P -1.43 81 97
Best Double Couple:Mo=1.6*10**17
NP1:Strike= 68 Dip=40 Slip= -78
NP2: 233 51 -100

26 04 05 01.71 11.095S 162.263E 33km
4.9mb (6 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 15C
Centroid Location:
Origin Time 04:05:16.0 4.0
Lat 10.67S 0.31 Lon 161.83E 0.17
Dep 36.513.1 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.31 Plg=14 Azm=110
N 1.12 76 283
P -8.42 2 19

Best Double Couple:Mo=7.9*10**16
NP1:Strike=154 Dip=79 Slip= 171
NP2: 245 81 11

26 17 06 41.62 39.812N 143.539E 8km
5.8mb (69 obs.) 5.8Msz (18 obs.)
OFF EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=82 Slip= 90
NP2: 205 8 90
Principal Axes:
T Plg=53 Azm=295
P 37 115
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. F
Energy 1.4±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 5 No. of sta: 18
Principal Axes:
Scale 10**18 Nm
T Val= 1.78 Plg=60 Azm=287
N 0.59 2 20
P -2.37 30 111
Best Double Couple:Mo=2.1*10**18
NP1:Strike=208 Dip=15 Slip= 98
NP2: 20 75 88
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centroid Location:
Origin Time 17:06:47.5 0.2
Lat 39.67N 0.04 Lon 143.59E 0.04
Dep 22.2 1.9 Half-duration 3.8
Principal Axes:
Scale 10**17 Nm
T Val= 10.44 Plg=64 Azm=323
N 0.50 14 204
P -10.94 22 108
Best Double Couple:Mo=1.1*10**18
NP1:Strike=174 Dip=26 Slip= 58
NP2: 29 68 105

26 21 39 22.89 4.651S 152.828E 74km
5.4mb (16 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 31C
Centroid Location:
Origin Time 21:39:24.5 0.5
Lat 4.38S 0.05 Lon 153.51E 0.05
Dep 35.0 3.3 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.47 Plg=60 Azm=353
N 0.59 12 241
P -3.06 27 145
Best Double Couple:Mo=2.8*10**17
NP1:Strike=209 Dip=21 Slip= 56
NP2: 65 73 102

27 01 45 55.08 39.823N 143.692E 9km
5.8mb (55 obs.) 6.2Msz (16 obs.)
OFF EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 15 Dip=85 Slip= 90
NP2: 195 5 90
Principal Axes:
T Plg=50 Azm=285
P 40 105
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 2.1±0.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 5 No. of sta: 21
Principal Axes:
Scale 10**18 Nm
T Val= 4.38 Plg=55 Azm=271
N -0.07 15 23
P -4.31 31 122
Best Double Couple:Mo=4.3*10**18
NP1:Strike=251 Dip=19 Slip= 139
NP2: 20 78 75

CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 46C
Centroid Location:
Origin Time 01:46: 2.2 0.3
Lat 39.61N 0.03 Lon 143.59E 0.04
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 2.17 Plg=60 Azm=307
N 0.01 8 203
P -2.18 28 109
Best Double Couple:Mo=2.2*10**18
NP1:Strike=179 Dip=18 Slip= 65
NP2: 25 74 98

27 04 39 30.60 20.893S 173.968W 33km
5.1mb (12 obs.) 5.3Msz (2 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 04:39:43.3 1.9
Lat 20.87S 0.11 Lon 174.54W 0.13
Dep 47.5 5.5 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 8.59 Plg=63 Azm=214
N 2.24 26 16
P -10.83 7 110
Best Double Couple:Mo=9.7*10**16
NP1:Strike=227 Dip=44 Slip= 129
NP2: 358 57 58

27 07 42 21.75 59.652S 26.033W 33km
5.0mb (3 obs.) 4.2Msz (1 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 07:42:26.3 0.8
Lat 60.00S 0.13 Lon 24.45W 0.27
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 8.74 Plg=61 Azm=161
N 0.85 6 60
P -9.59 28 326
Best Double Couple:Mo=9.2*10**16
NP1:Strike= 39 Dip=18 Slip= 69
NP2: 242 73 97

27 21 04 51.82 11.022S 162.350E 25km
6.1mb (44 obs.) 7.0Msz (39 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=165 Dip=81 Slip= 90
NP2: 345 9 90
Principal Axes:
T Plg=54 Azm= 75
P 36 255
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 11 Focal mech. F
Energy 1.2±0.3*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 54C M.W.: 14S, 34C
Centroid Location:
Origin Time 21:04:58.5 0.2
Lat 10.95S 0.02 Lon 162.30E 0.01
Dep 25.2 0.9 Half-duration 12.0
Principal Axes:
Scale 10**19 Nm
T Val= 2.94 Plg=49 Azm= 92
N -0.03 19 338
P -2.90 35 234
Best Double Couple:Mo=2.9*10**19
NP1:Strike=272 Dip=21 Slip= 22
NP2: 161 82 109

29 03 09 10.72 39.590N 143.458E 10km
5.7mb (57 obs.) 5.9Msz (19 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 34C

Centroid Location:
Origin Time 03:09:18.3 0.4
Lat 39.29N 0.04 Lon 143.35E 0.04
Dep 30.4 1.9 Half-duration 3.3
Principal Axes:
Scale 10**17 Nm
T Val= 6.54 Plg=69 Azm=312
N 0.78 9 197
P -7.31 19 104
Best Double Couple:Mo=6.9*10**17
NP1:Strike=179 Dip=27 Slip= 70
NP2: 22 64 100

29 05 25 38.27 39.571N 143.333E 10km
6.0mb (68 obs.) 6.6Msz (26 obs.)
OFF EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 30 Dip=85 Slip= 90
NP2: 210 5 90
Principal Axes:
T Plg=50 Azm=300
P 40 120
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 10 Focal mech. F
Energy 8.5±2.6*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 3 No. of sta: 22
Principal Axes:
Scale 10**19 Nm
T Val= 2.75 Plg=45 Azm=259
N -0.01 9 358
P -2.73 43 96
Best Double Couple:Mo=2.7*10**19
NP1:Strike=261 Dip= 9 Slip= 173
NP2: 358 89 81
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 46C M.W.: 11S, 22C
Centroid Location:
Origin Time 05:25:45.6 0.2
Lat 39.38N 0.02 Lon 143.50E 0.02
Dep 29.8 1.1 Half-duration 6.7
Principal Axes:
Scale 10**18 Nm
T Val= 5.82 Plg=60 Azm=316
N -0.12 9 210
P -5.70 28 115
Best Double Couple:Mo=5.8*10**18
NP1:Strike=182 Dip=19 Slip= 61
NP2: 32 74 99

29 10 51 25.30 39.500N 143.408E 18km
5.2mb (29 obs.) 5.3Msz (6 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 10:51:36.5 0.6
Lat 39.29N 0.07 Lon 143.36E 0.06
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.03 Plg=65 Azm=252
N 0.38 12 10
P -2.41 21 105
Best Double Couple:Mo=2.2*10**17
NP1:Strike=216 Dip=26 Slip= 119
NP2: 5 67 77

29 15 53 10.70 39.531N 143.412E 10km
5.4mb (32 obs.) 5.3Msz (6 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 15:53:16.7 0.4
Lat 39.29N 0.05 Lon 143.57E 0.05
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.26 Plg=61 Azm=328
N -0.05 18 201
P -2.21 22 103
Best Double Couple:Mo=2.2*10**17
NP1:Strike=163 Dip=29 Slip= 49
NP2: 28 69 110

29 19 09 12.94 36.788N 2.448E 6km
5.7mb (47 obs.) 5.7Msz (13 obs.)
ALGERIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=260 Dip=64 Slip= 152
NP2: 3 65 29
Principal Axes:
T Plg=37 Azm=222
P 1 131
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. C
Energy 4.5±1.0*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 6 No. of sta: 15
Principal Axes:
Scale 10**18 Nm
T Val= 1.11 Plg=69 Azm=152
N -0.01 1 245
P -1.10 21 336
Best Double Couple:Mo=1.1*10**18
NP1:Strike= 68 Dip=24 Slip= 93
NP2: 245 66 89
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 36C
Centroid Location:
Origin Time 19:09:21.6 0.3
Lat 36.84N 0.03 Lon 2.92E 0.04
Dep 15.0 FIX Half-duration 3.6
Principal Axes:
Scale 10**17 Nm
T Val= 9.03 Plg=69 Azm= 73
N 1.24 21 250
P -10.27 1 341
Best Double Couple:Mo=9.6*10**17
NP1:Strike= 91 Dip=48 Slip= 119
NP2: 231 50 62

30 23 46 30.61 21.104S 178.684W 582km
5.6mb (46 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 30 Dip=90 Slip= -60
NP2: 120 30 -180
Principal Axes:
T Plg=38 Azm= 93
P 38 327
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 581 No. of sta: 7
Principal Axes:
Scale 10**17 Nm
T Val= 6.31 Plg=28 Azm=146
N -0.04 27 40
P -6.27 49 275
Best Double Couple:Mo=6.3*10**17
NP1:Strike=283 Dip=29 Slip= -24
NP2: 35 78 -117
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 37C
Centroid Location:
Origin Time 23:46:41.6 0.4
Lat 20.72S 0.04 Lon 179.53W 0.04
Dep 585.5 2.2 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.02 Plg=36 Azm=126
N 0.56 3 33
P -6.59 54 299
Best Double Couple:Mo=6.3*10**17
NP1:Strike=231 Dip=10 Slip= -72
NP2: 33 81 -93

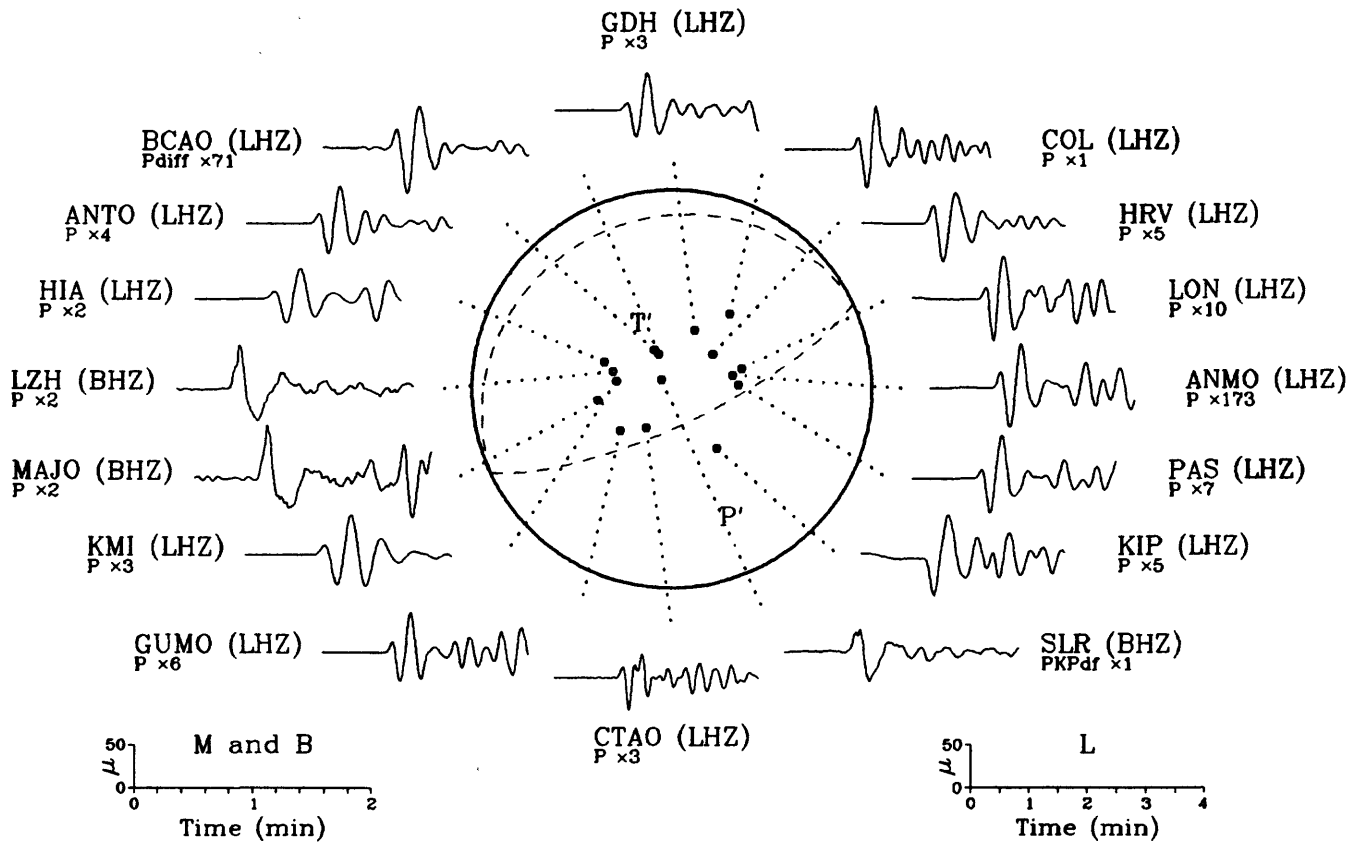
31 07 18 48.90 11.009S 162.397E 51km
5.1mb (10 obs.) 4.5Msz (1 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 20C
Centroid Location:
Origin Time 07:18:53.3 1.4
Lat 11.05S 0.17 Lon 162.40E 0.21
Dep 21.013.3 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 7.31 Plg=41 Azm= 95
N 1.66 6 359
P -8.97 48 262
Best Double Couple:Mo=8.1*10**16
NP1:Strike=241 Dip= 7 Slip= -28
NP2: 359 87 -96

31 18 44 20.66 9.219S 111.962E 33km
5.3mb (33 obs.) 5.2Msz (9 obs.)
SOUTH OF JAVA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 35C
Centroid Location:
Origin Time 18:44:31.5 0.4
Lat 9.21S FIX;Lon 112.04E FIX
Dep 61.3 4.1 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.43 Plg=41 Azm=281
N 0.74 48 118
P -3.16 8 18
Best Double Couple:Mo=2.8*10**17
NP1:Strike= 69 Dip=56 Slip= 26
NP2: 323 69 143

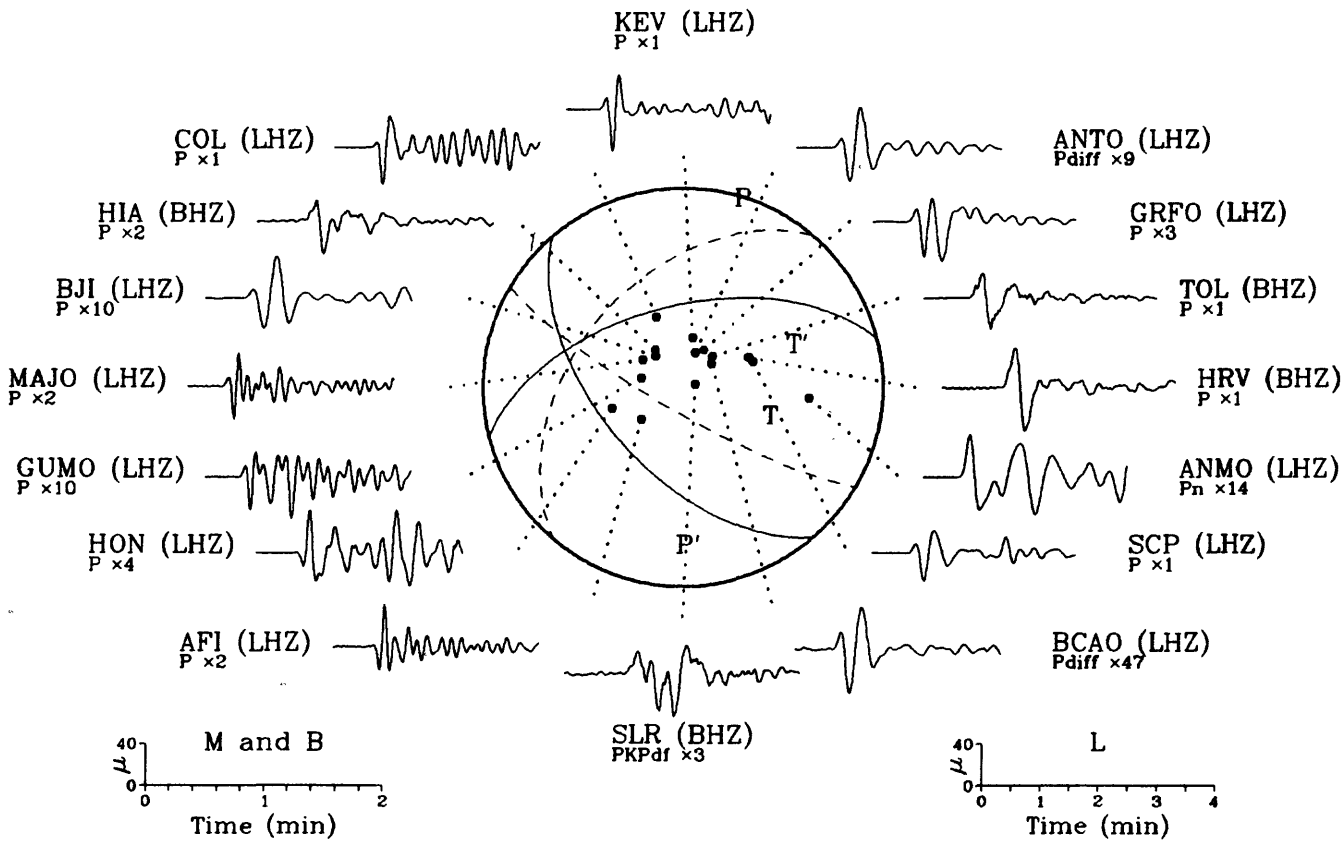
31 19 35 00.45 9.306S 112.050E 33km
5.4mb (35 obs.) 5.2Msz (12 obs.)
SOUTH OF JAVA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 30C
Centroid Location:
Origin Time 19:35: 3.0 0.8
Lat 9.56S 0.06 Lon 111.95E 0.07
Dep 54.4 6.1 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.52 Plg=19 Azm=281
N 0.93 55 161
P -3.45 28 21
Best Double Couple:Mo=3.0*10**17
NP1:Strike= 59 Dip=56 Slip= -7
NP2: 153 84 -146

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

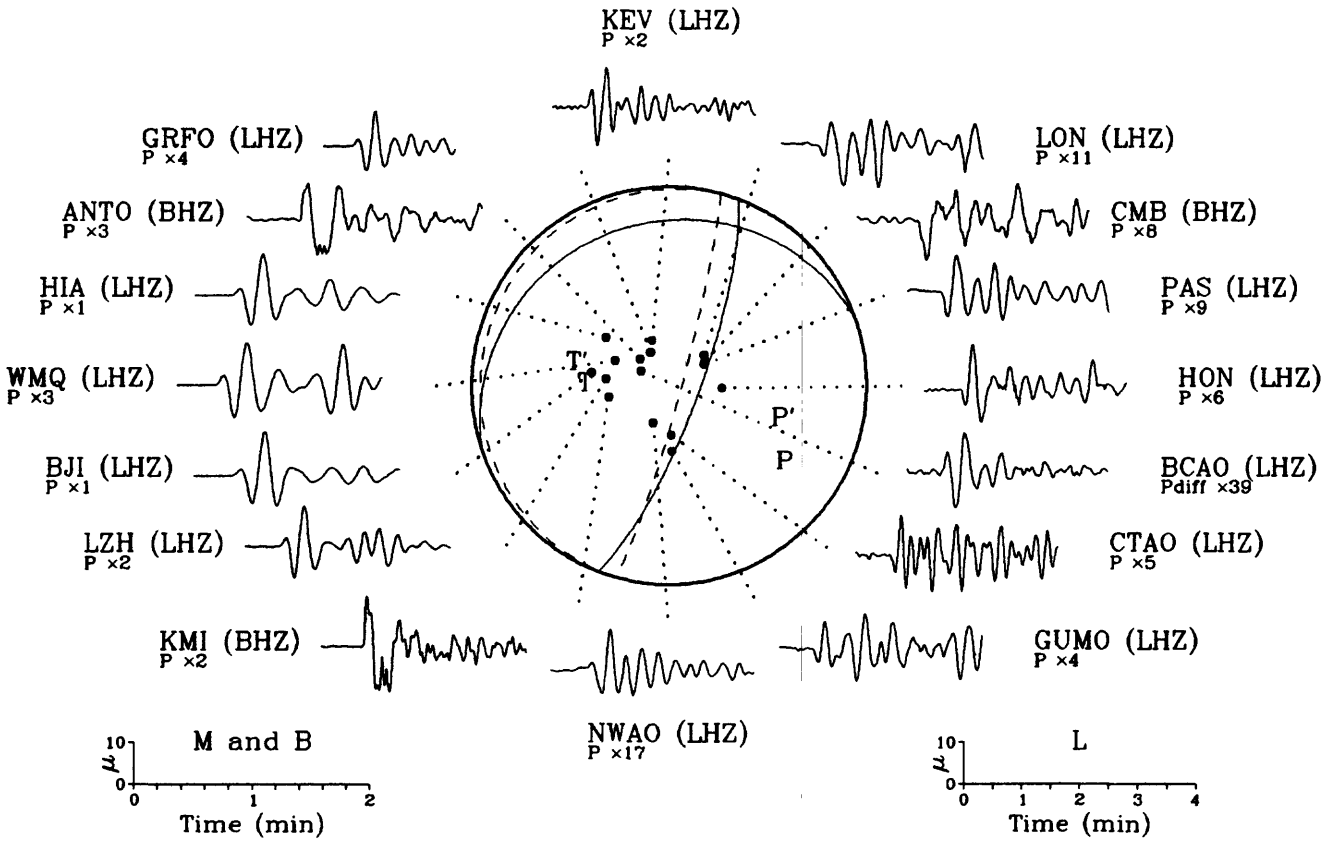
07 October 1989 15:48:29.06
Andreanof Islands, Aleutian Is.



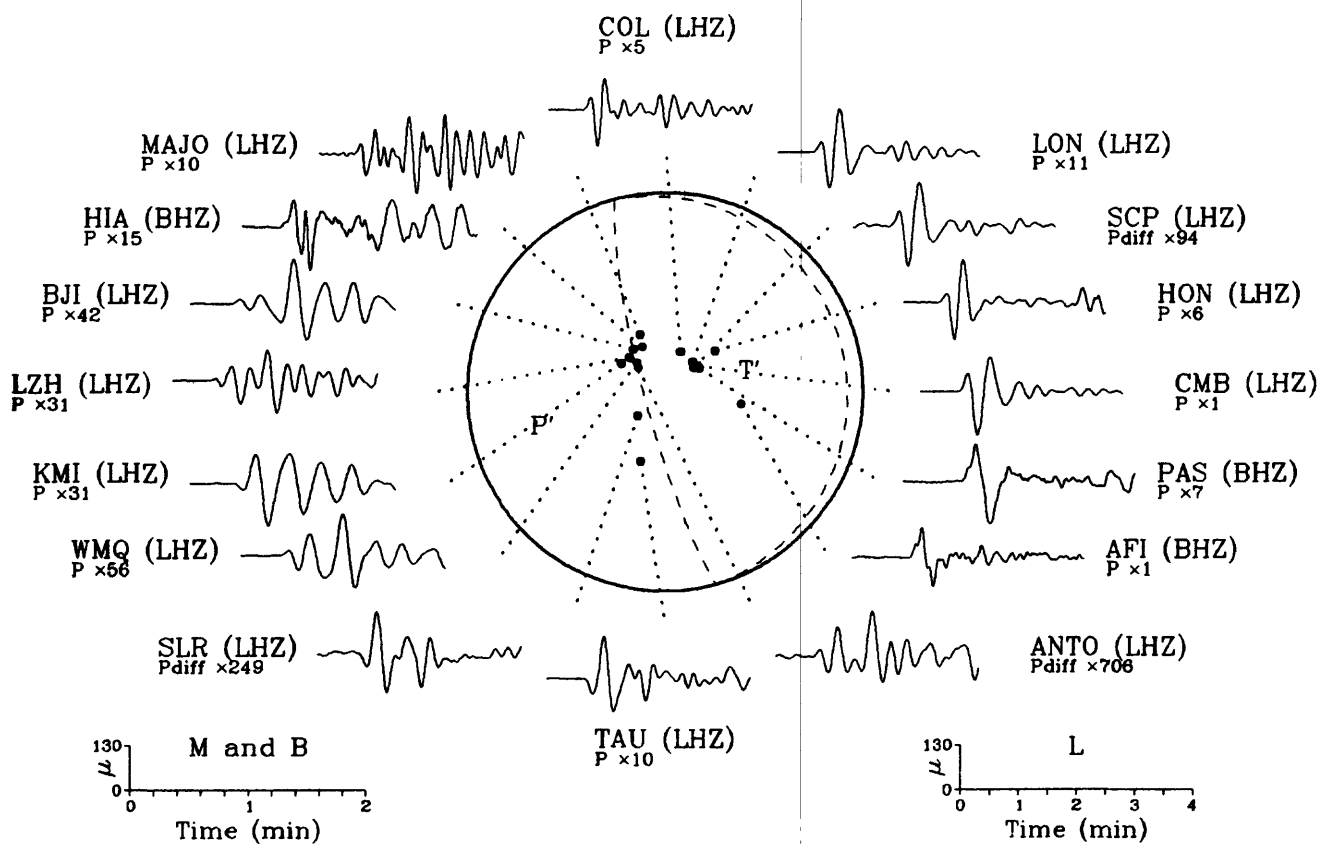
18 October 1989 00:04:15.24
Central California



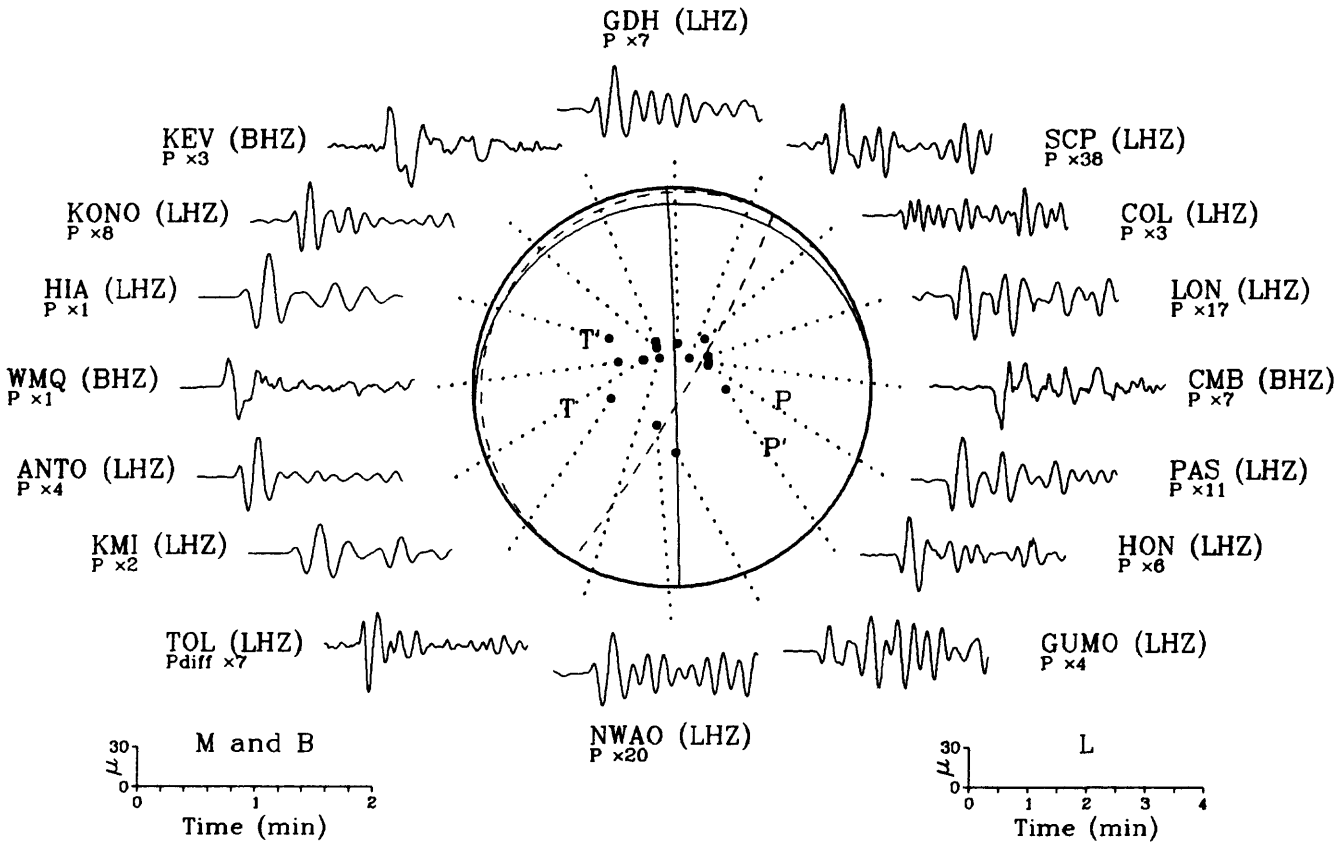
27 October 1989 01:45:55.08
Off East Coast of Honshu, Japan



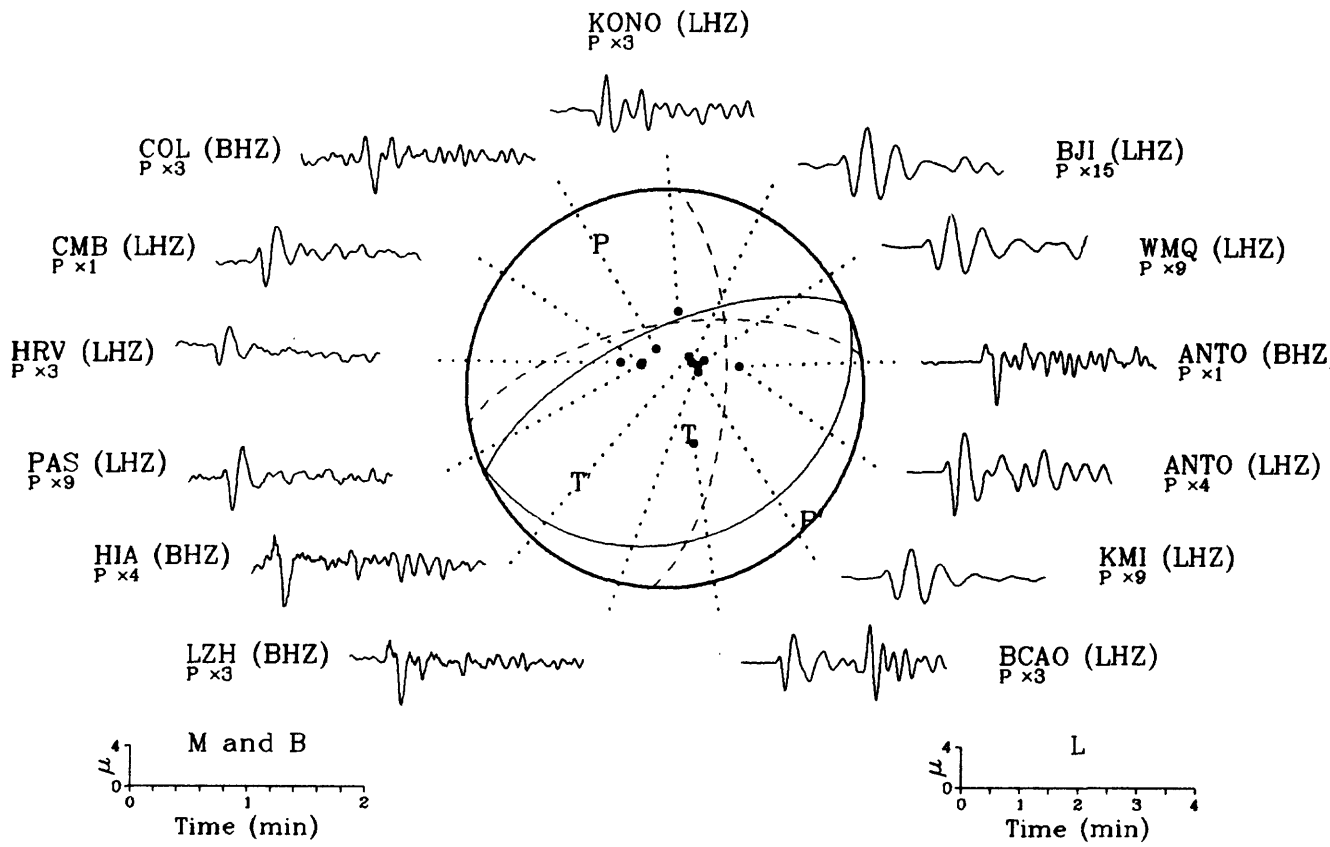
27 October 1989 21:04:51.82
Solomon Islands



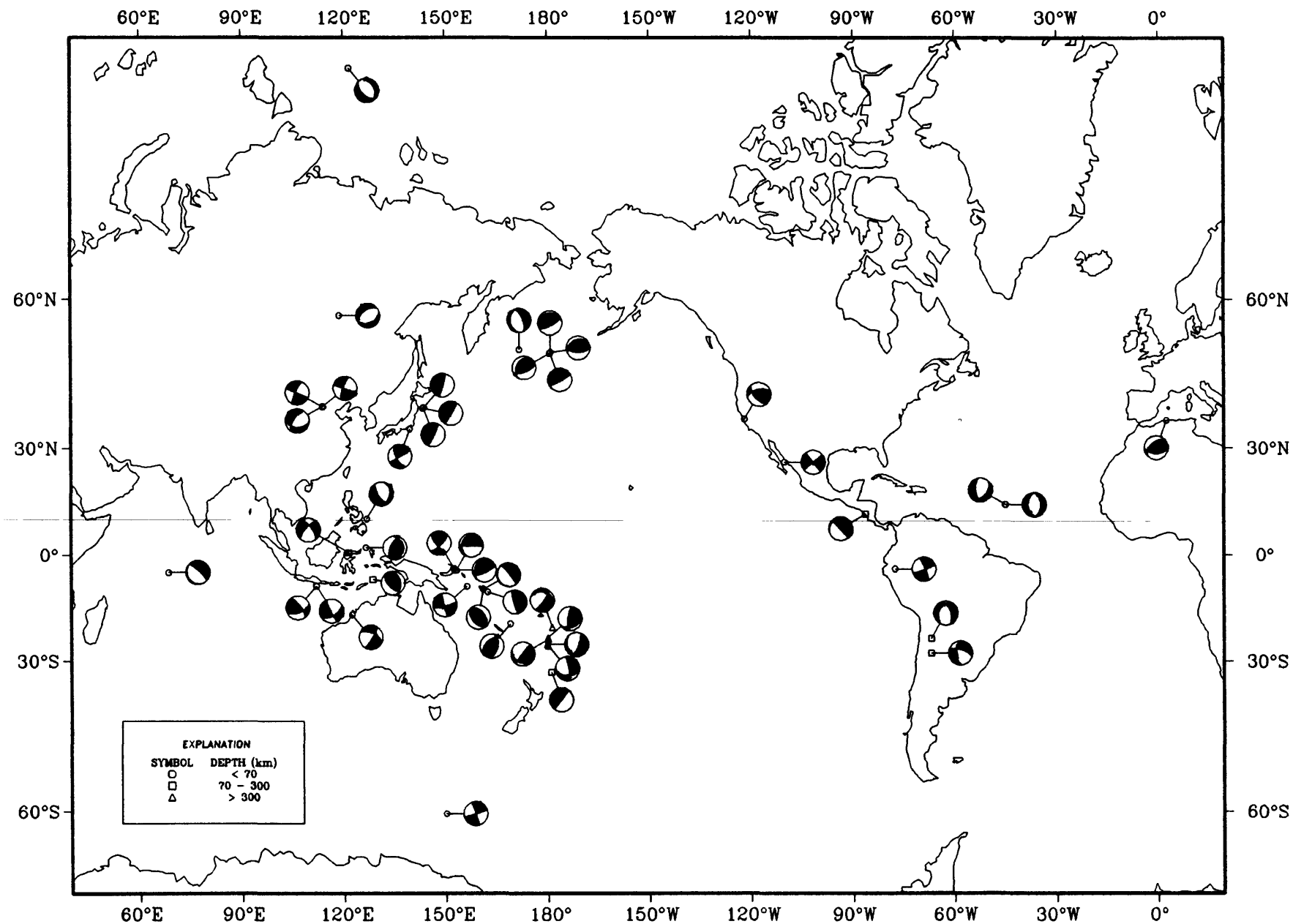
29 October 1989 05:25:38.27
Off East Coast of Honshu, Japan

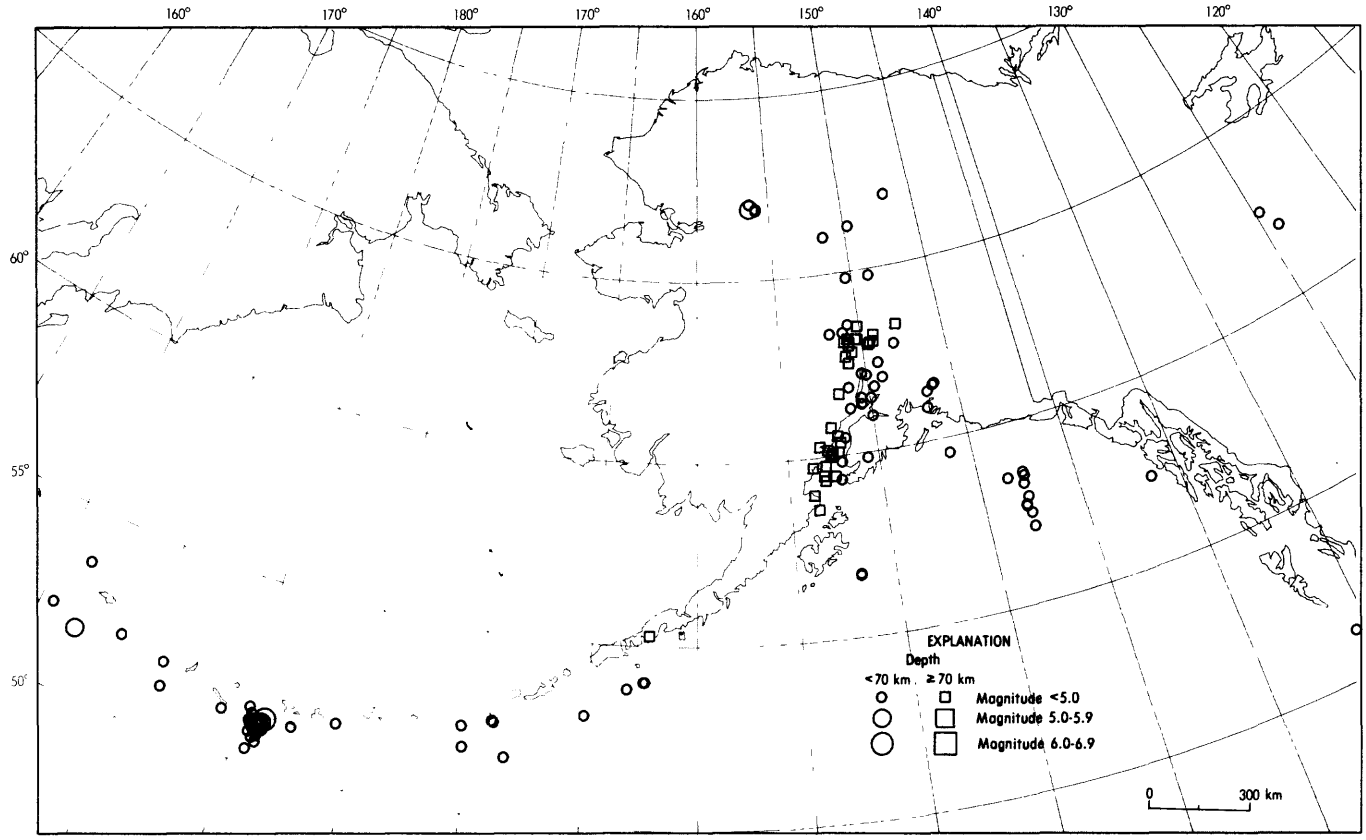


29 October 1989 19:09:12.94
Algeria

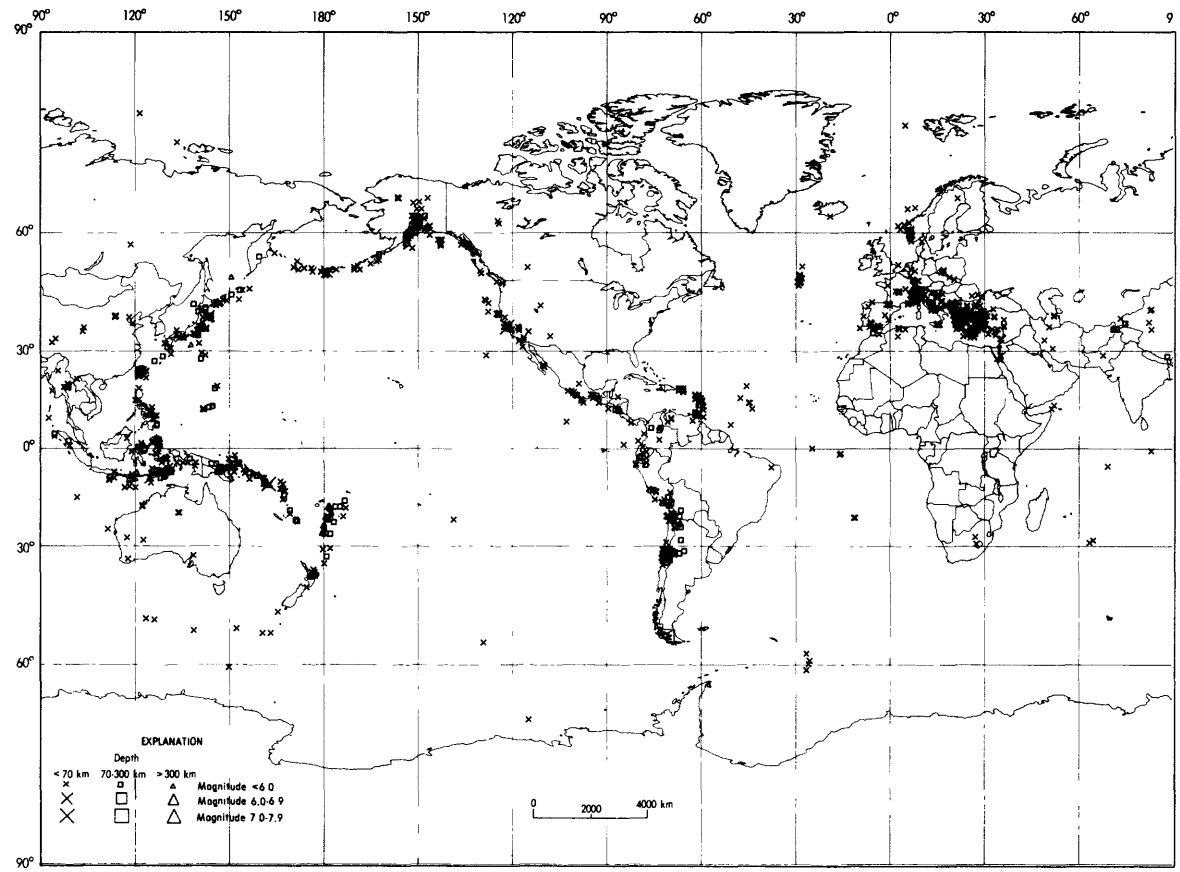


Earthquake Focal Mechanisms for October 1989



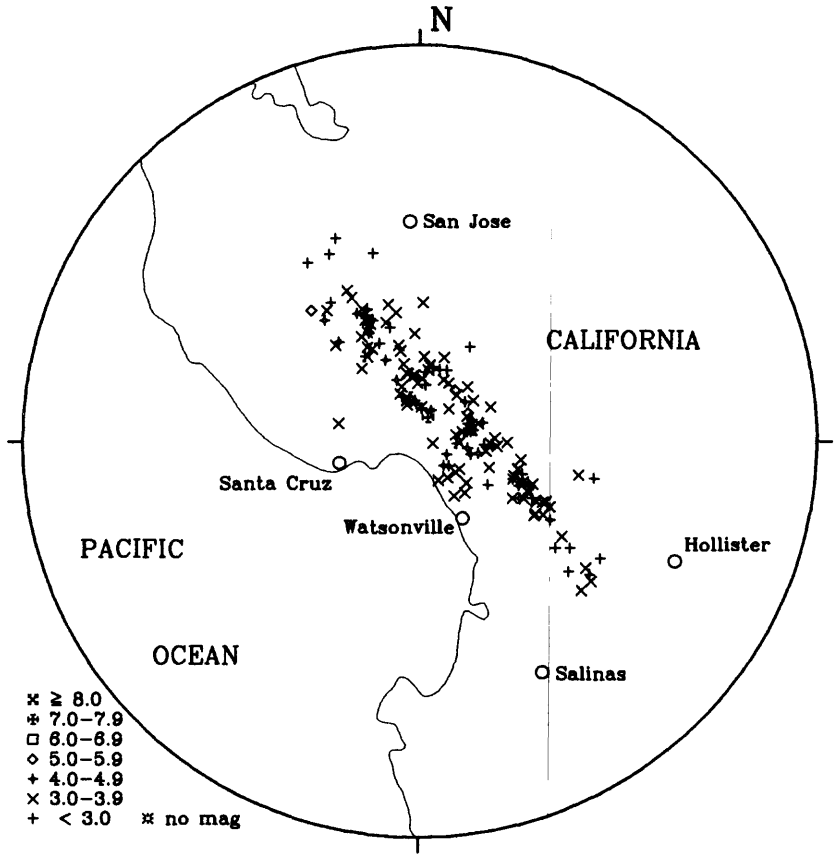


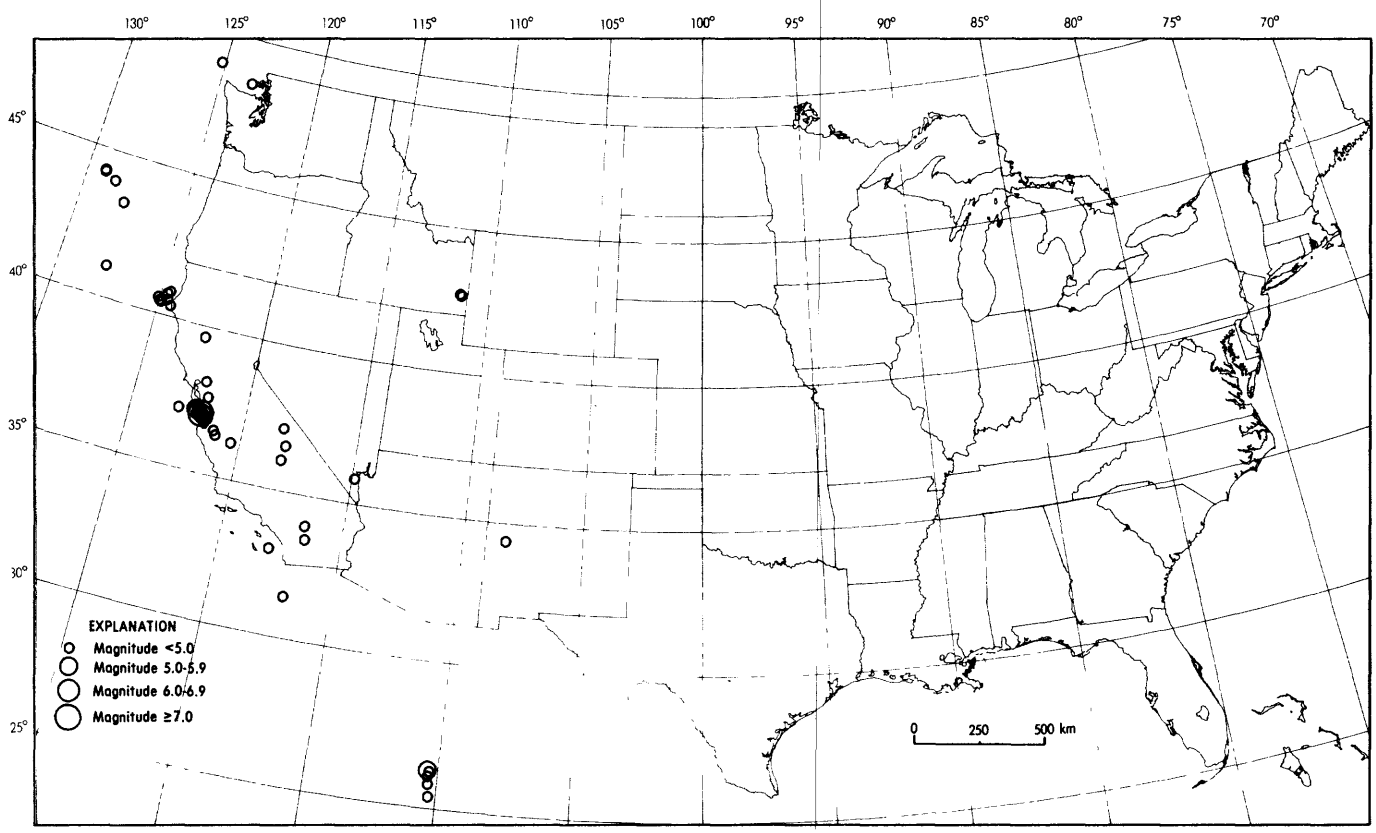
Earthquake epicenters in Alaska and adjacent regions for October, 1989 (C. Stover).



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

Earthquake Epicenters in the Santa Cruz Mountains Area, California, October 1989





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

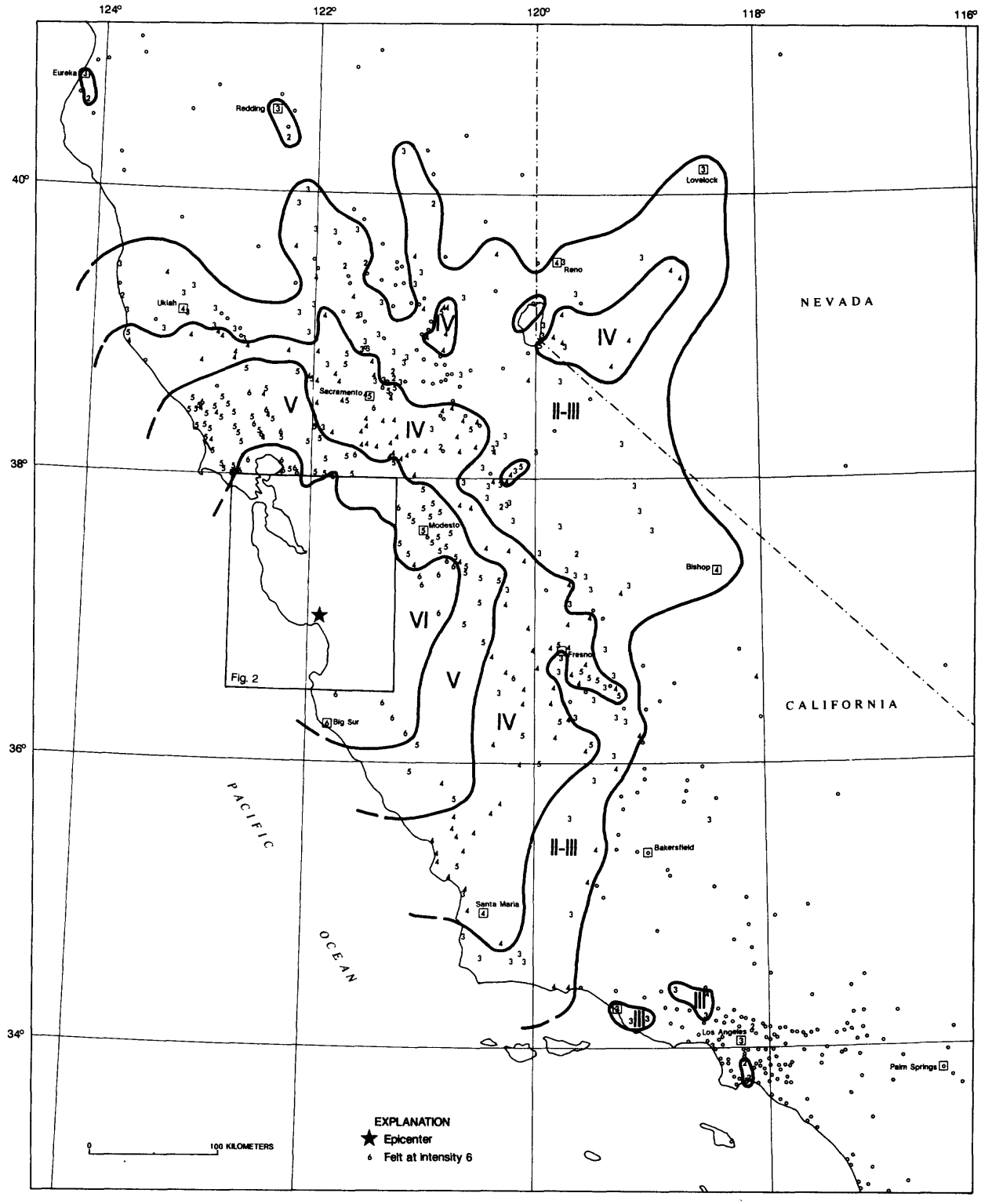


Figure 1. Isoseismal map for the Santa Cruz (Loma Prieta), California earthquake of October 18, 1989 UTC. From Open-File Report 90-18 by Carl W. Stover, B. Glen Reagor, Francis W. Baldwin, and Lindie R. Brewer.

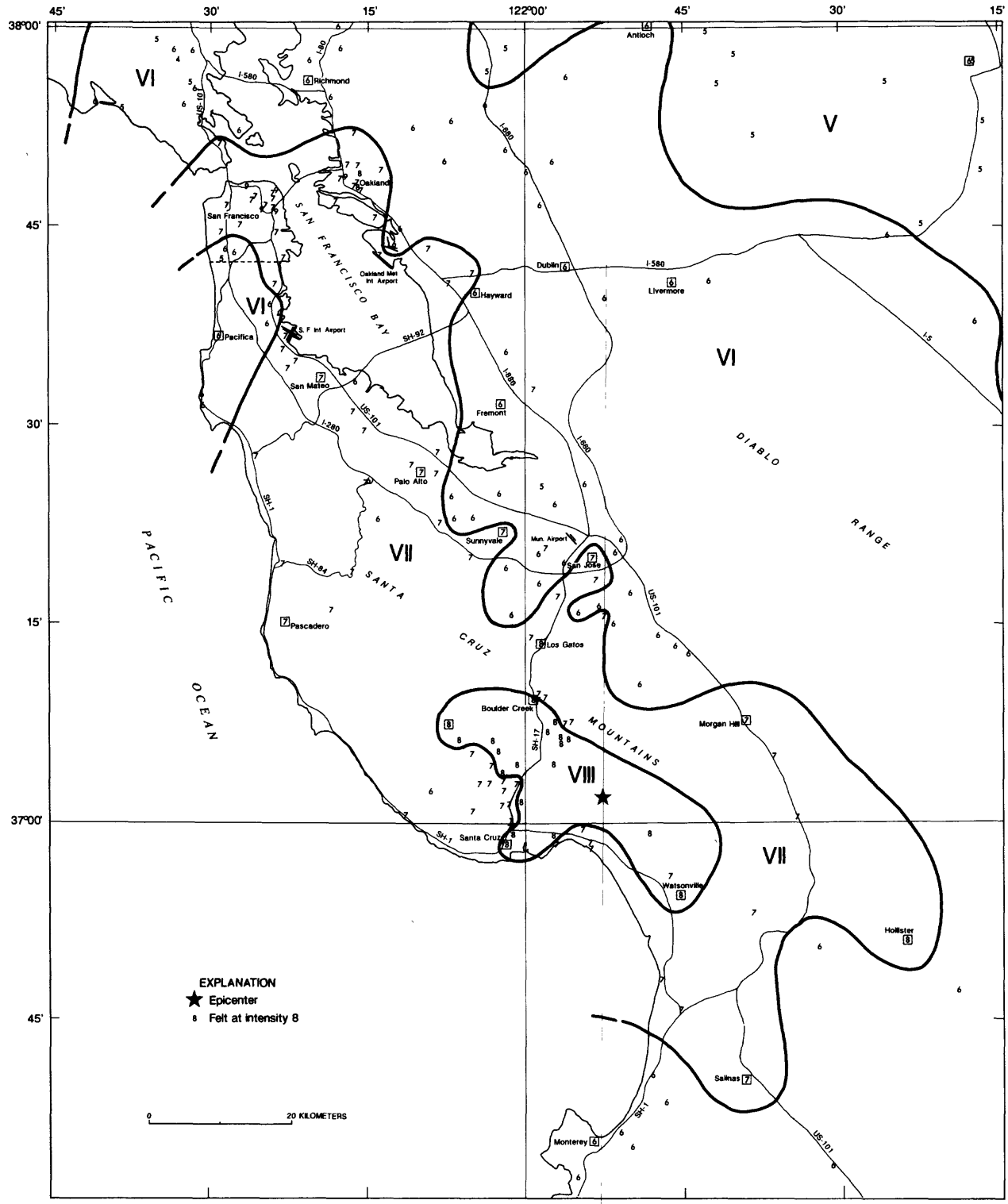


Figure 2. Isoseismal map for the San Francisco Bay region for the Santa Cruz (Loma Prieta), California earthquake of October 18, 1989 UTC. From Open-File Report 90-18 by Carl W. Stover, B. Glen Reagor, Francis W. Baldwin, and Lindie R. Brewer.

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PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

NOVEMBER 1989

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	08	27.6	38.299	N	21.936	E	10	G			1.2	19	GREECE. ML 3.2 (THE), 3.0 (ATH).
	01	01	23	21.4*	16.949	N	62 359	W	33	N			0.6	5	LEEWARD ISLANDS. ML 2.7 (FDF).
	01	01	32	35.5*	32.044	S	71.251	W	28				0.7	12	NEAR COAST OF CENTRAL CHILE
	01	01	48	27.7	43.367	N	5.428	E	10	G			1.0	25	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	01	03	59	38.8	36.586	N	21.159	E	12				0.7	38	SOUTHERN GREECE. ML 3.7 (THE), 3.6 (ATH).
	01	04	24	52.4*	21.247	S	68.738	W	127	*			1.5	9	CHILE-BOLIVIA BORDER REGION
a	01	06	40	30.3	20.995	S	67.954	W	140	G	5.9		0.9	355	SOUTHERN BOLIVIA. mb 5.8 (BRK). Depth from broadband displacement seismograms.
	01	07	11	39.1	7.263	N	80 888	W	10	G	4.9		1.2	33	PANAMA Felt at Puerto Mariato, Tres Quebradas and Penanome.
	01	07	33	45.7?	40 45	N	27.92	E	10	G			0.1	4	TURKEY
	01	08	03	17.9&	37.098	N	121.845	W	10					23	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=1.2*10**15 Nm (BRK). Felt at San Jose.
	01	09	41	30.4%	39.233	N	27.762	E	10	G			0.4	5	TURKEY
a	01	09	49	26.6	2 492	N	128.140	E	37		5.5	5.1	1.1	142	HALMAHERA
	01	10	10	11.0%	39.113	N	27.632	E	10	G			0.5	5	TURKEY
	01	10	25	52.2	18.986	N	68.833	W	26		5.2	4.4	0.9	188	MONA PASSAGE. Felt at Aguadilla, Mayaguez, Cabo Rojo, Guanica and Ponce and as far east as Cayey and San Juan. Possible small tsunami reported near Cabo Rojo.
	01	11	02	33.8*	18.342	S	177.727	W	474	?	4.2		0.7	27	FIJI ISLANDS REGION
	01	11	02	38.5	45.821	N	17.742	E	10	G			0.5	9	YUGOSLAVIA. ML 2.9 (ZAG). Felt in the Cadavica area.
	01	11	22	19.7*	3.930	S	151.437	E	10	G	4.9		0.9	13	NEW IRELAND REGION
a	01	11	29	59.0	11.009	S	162.208	E	33	N	5.8	5.3	0.8	165	SOLOMON ISLANDS
	01	11	32	28 2	36.530	N	2.487	E	10	G	4.1		1.0	37	ALGERIA. mbLg 3.8 (MDD).
	01	11	46	59.7	10.949	S	162.130	E	50	*	5.0	5.5	0.9	39	SOLOMON ISLANDS
	01	12	16	03.5*	38.006	N	20.694	E	10	G			1.1	10	GREECE. MD 3.4 (ATH). ML 3.2 (THE).
a	01	12	24	02.9	39.432	N	143.249	E	33	D	5.1	4.5	0.9	124	OFF EAST COAST OF HONSHU, JAPAN
	01	12	37	30.4%	41.024	N	23.298	E	10	G			0.7	5	GREECE-BULGARIA BORDER REGION. ML 2.2 (THE).
	01	12	48	45.8*	6.917	S	129.916	E	77	?	4.5		1.1	13	BANDA SEA
	01	13	08	55.3*	11.236	S	162.196	E	10	G	4.3		1.3	9	SOLOMON ISLANDS
	01	13	32	15.0	38.294	N	21.872	E	10	G			1.4	11	GREECE. MD 3.5 (ATH).
	01	13	56	25.0*	38.373	N	21.717	E	10	G			0.4	5	GREECE. MD 3.0 (ATH).
	01	13	59	04.9?	21.09	S	179.29	W	627	?	4.5		1.0	17	FIJI ISLANDS REGION
	01	13	59	27.7	36.462	N	26.976	E	141		4.6		1.2	170	DODECANESE ISLANDS. MD 4.3 (ATH).
	01	13	59	57.9%	44.614	N	7.248	E	10	G			0.4	6	NORTHERN ITALY. ML 1.6 (GEN).
	01	14	14	58.3?	58.08	N	6.44	E	10	G			0.8	6	SOUTHERN NORWAY. MD 2.2 (BER).
	01	14	33	56.4?	58.91	N	5.80	E	10	G			0.4	4	SOUTHERN NORWAY. ML 1.7 (BER).
	01	14	48	15.6	38.325	N	22.121	E	10	G			1.2	18	GREECE. MD 3.4 (ATH). ML 3.2 (THE).
	01	15	03	10.9%	59.888	N	6.138	E	10	G			0.3	6	SOUTHERN NORWAY. MD 1.8 (BER).
	01	16	26	05.9&	54.785	N	162.372	W	78					11	ALASKA PENINSULA. <PAL>.
	01	16	26	33.1	23.278	N	120.932	E	10	G			1.3	7	TAIWAN
	01	17	01	11.1	37.077	N	28.034	E	5	G			1.1	8	TURKEY
	01	17	10	43.8*	29.524	S	70.962	W	120	?			0.9	19	CENTRAL CHILE
	01	18	00	22.4*	38.404	N	21.925	E	10	G			0.6	5	GREECE. MD 2.8 (ATH).
f	01	18	25	34.9	39.837	N	142.760	E	29	G	6.4	7.4	1.1	550	NEAR EAST COAST OF HONSHU, JAPAN. Ms 7.4 (BRK), 7.1 (PAS). Mo=1.3*10**20 Nm (PPT). Felt (IV JMA) at Aomori and Morioka; (III JMA) at Misawa; (I JMA) at Yamagata. Also felt (I JMA) in parts of Hokkaido. Tsunami generated with wave heights 56 cm. at Miyako, 34 cm. at Ayukawa, 24 cm. at Hachinohe and 20 cm. at Ofunato. Depth from broadband displacement seismograms.
	01	18	36	33.8	39.637	N	143.137	E	30	D	6.0		1.0	229	OFF EAST COAST OF HONSHU, JAPAN
	01	18	46	46.3?	22.69	S	174.30	W	33	N			1.4	7	TONGA ISLANDS REGION
	01	18	49	05.0?	40.11	N	142.47	E	33	N	4.5		1.5	9	NEAR EAST COAST OF HONSHU, JAPAN
	01	19	29	31.8?	39.55	N	143.59	E	33	N	4.5		0.9	7	OFF EAST COAST OF HONSHU, JAPAN
	01	19	52	45 3	39.513	N	143.615	E	30	D	5.1		1 0	97	OFF EAST COAST OF HONSHU, JAPAN
	01	19	57	12.9*	35.235	N	133.230	E	33	N	5.0		1.2	13	SOUTHERN HONSHU, JAPAN
	01	20	20	02.7	39.998	N	142.714	E	57		5.3		1.0	194	NEAR EAST COAST OF HONSHU, JAPAN

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	01	21 40 18 7	39.689	N	143.354	E	33	N	4 8		0.9	34	OFF EAST COAST OF HONSHU, JAPAN
	01	21 52 41.3	44 615	N	7.222	E	13				0.4	10	NORTHERN ITALY. ML 2 2 (GEN)
	01	21 53 25 4*	39 897	N	142 961	E	33	N	4 8		1.1	34	NEAR EAST COAST OF HONSHU, JAPAN
	01	22 09 29 8?	39.44	N	143.34	E	33	N	4.1		1.4	8	OFF EAST COAST OF HONSHU, JAPAN
	01	22 34 26.8	39 345	N	143 411	E	33	N	4 4		1.1	25	OFF EAST COAST OF HONSHU, JAPAN
	01	23 04 48.1*	39 520	N	143.136	E	31	D	4.3		1.0	26	OFF EAST COAST OF HONSHU, JAPAN
	01	23 05 46.3	39 179	N	142.997	E	39		5.4	5.5	0.9	196	NEAR EAST COAST OF HONSHU, JAPAN
	01	23 20 16.5	39.338	N	143.556	E	29	D	4.2		0.6	25	OFF EAST COAST OF HONSHU, JAPAN
	01	23 25 48.4?	34.25	S	71.21	W	10	G			1.2	11	NEAR COAST OF CENTRAL CHILE
	01	23 37 07.5?	39.22	N	144.95	E	33	N	4.3		1.3	10	OFF EAST COAST OF HONSHU, JAPAN
	01	23 52 45.5?	39.08	N	144.06	E	33	N	3.8		1.1	5	OFF EAST COAST OF HONSHU, JAPAN
	02	01 09 42 5	39.404	N	143.520	E	27	D	4.7	4 6	0.9	56	OFF EAST COAST OF HONSHU, JAPAN
	02	01 13 25.9*	39.567	N	143.378	E	30	D	4.5		1 0	21	OFF EAST COAST OF HONSHU, JAPAN
	02	01 42 38.5	39.534	N	143.511	E	33	N	4.8		1 0	44	OFF EAST COAST OF HONSHU, JAPAN
	02	01 45 53.3	41.257	N	19.986	E	10	G			1 1	58	ALBANIA ML 3.8 (SKO), 3.5 (THE), 3.3 (TTG). MD 3.7 (ATH). Felt (IV) at Tirana and Elbasan.
	02	02 22 01.8	14.140	S	170 492	E	33	N	5.3	4.5	1.0	102	VANUATU ISLANDS REGION
	02	02 22 51.5	39.422	N	143.468	E	33	N	4.6	4.3	1.0	21	OFF EAST COAST OF HONSHU, JAPAN
	02	03 14 55.0	41.351	N	20.003	E	10	G			0.8	7	ALBANIA MG 2.5 (TIR).
	02	03 40 30.6*	14.307	S	170.513	E	33	N	5.1		1 0	23	VANUATU ISLANDS REGION
	02	04 01 29.7	41.782	N	19.286	E	10	G			1 0	22	ALBANIA ML 2 8 (TTG).
	02	04 01 40.1?	39.44	N	143.43	E	33	N	4.1		0 9	7	OFF EAST COAST OF HONSHU, JAPAN
	02	05 17 09 4	44.664	N	10.566	E	11				1.1	29	NORTHERN ITALY
	02	05 50 11.0&	37.057	N	121.797	W	12		4.5			35	CENTRAL CALIFORNIA. <BRK>. ML 4.9 (BRK). Mo=9.8*10**15 Nm (BRK). Felt (V) at Campbell, Gilroy, Los Gatos and Soquel; (IV) at Aptos, Aromas, San Juan Bautista and Watsonville Felt throughout the San Francisco Bay area
	02	06 00 23.2	36.407	N	9.104	W	93	*	4.5		0.8	46	WEST OF GIBRALTAR. mbLg 4.3 (MDD).
	02	06 23 56 2*	41.207	N	107.027	W	5	G			0.9	7	WYOMING. ML 3.0 (NEIS). Felt at Saratoga.
	02	07 09 27 4?	39.82	N	142.60	E	33	N	3.8		1.4	8	NEAR EAST COAST OF HONSHU, JAPAN
	02	07 22 39 0	36 041	N	106.225	E	10	G	5.0		1.1	81	NORTHERN CHINA
	02	07 34 56.9*	17 765	N	101.621	W	63	?			1.1	17	NEAR COAST OF GUERRERO, MEXICO
	02	08 15 14.8?	38.82	N	143.58	E	33	N	4.1		0.8	8	OFF EAST COAST OF HONSHU, JAPAN
	02	08 27 15 7?	35.29	N	138.96	E	33	N			0.6	5	HONSHU, JAPAN
	02	08 35 10 6&	61 041	N	148.875	W	37					18	SOUTHERN ALASKA <AGS-P>
	02	09 34 40 9*	39.788	N	143.173	E	34	*	4.9	3.9	1.1	34	OFF EAST COAST OF HONSHU, JAPAN
	02	10 03 11.5	39.596	N	143.137	E	33	N	4.7		1.1	44	OFF EAST COAST OF HONSHU, JAPAN
	02	10 03 20.4*	49.190	N	8.375	E	10	G			1.2	10	GERMANY. ML 3.2 (LDG) MD 2.9 (STR).
o	02	10 12 20.8	22.210	S	68.426	W	114	D	5.4		1.2	158	NORTHERN CHILE. Felt (IV) at Talabre, Chuquicamata and Tamar, (III) at Toconao and Calama; (II) at San Pedro and Antofagosta.
	02	10 16 06 8*	10.710	N	122.273	E	73	*	4.6		1.0	13	PANAY, PHILIPPINE ISLANDS
	02	10 27 47 3	27.247	N	128.575	E	83	*	5.1		1.2	47	RYUKYU ISLANDS
	02	10 37 29.6?	39.21	N	143.94	E	33	N	4.0		0.4	7	OFF EAST COAST OF HONSHU, JAPAN
	02	11 30 54 2?	39.24	N	143.89	E	33	N	4.0		0.4	7	OFF EAST COAST OF HONSHU, JAPAN
	02	11 38 33.5*	27.939	N	127.141	E	217	?	4.5		1.0	9	RYUKYU ISLANDS
	02	11 40 17 3&	61.988	N	150.526	W	6					51	SOUTHERN ALASKA <AGS-P>. ML 3.8 (PMR).
o	02	11 51 46.4	39.490	N	143.098	E	27	D	5.2	5.1	1.0	132	OFF EAST COAST OF HONSHU, JAPAN
	02	11 59 48.8	39.638	N	143.700	E	29	D	4.9	5.5	0.9	77	OFF EAST COAST OF HONSHU, JAPAN
	02	13 19 19.3*	31.282	S	67.303	W	33	N			0.9	8	SAN JUAN PROVINCE, ARGENTINA
	02	13 30 45 3*	42.578	N	24.068	E	10	G			1.5	6	BULGARIA
o	02	13 42 14.4	40.018	N	143.252	E	28	D	5.6	5.2	1 0	253	OFF EAST COAST OF HONSHU, JAPAN
	02	15 43 20.5	19.973	S	133 779	E	10	G	4.1		1.0	13	NORTHERN TERRITORY, AUSTRALIA
	02	15 48 02 6%	18.368	N	101 196	W	33	N			0 7	5	GUERRERO, MEXICO
	02	15 55 19.3*	40.034	N	143 546	E	33	N	4.2		0 7	16	OFF EAST COAST OF HONSHU, JAPAN
	02	16 17 58.4?	39.49	N	143.23	E	33	N	3.8		1 2	12	OFF EAST COAST OF HONSHU, JAPAN
	02	16 26 49.1	40.328	N	29 559	E	10	G			0 4	8	TURKEY
	02	16 40 50.2%	44.591	N	7.398	E	10	G			0.4	6	NORTHERN ITALY. ML 2.0 (GEN).
	02	17 16 28.6	33.087	N	94.089	E	10	G	4.7		1.3	25	QINGHAI PROVINCE, CHINA
	02	17 38 04.7?	31.28	S	68.69	W	87	?			0.1	6	SAN JUAN PROVINCE, ARGENTINA
	02	18 16 03 7?	37.30	S	177 06	E	33	N			0.6	9	OFF E. COAST OF N. ISLAND, N.Z.
	02	18 28 10 2%	38.765	N	16 058	E	10	G			0.8	7	SOUTHERN ITALY
	02	19 25 32.0	37.300	N	20.808	E	10	G	3.5		1.0	36	IONIAN SEA ML 3.9 (THE), 3.8 (ATH).
	02	19 42 37.5*	39 382	N	143 620	E	33	N	4.3		1.0	21	OFF EAST COAST OF HONSHU, JAPAN
	02	20 49 10.2*	20.710	S	178.734	W	599	*	4.7		1.0	49	FIJI ISLANDS REGION
	02	21 29 44 8*	51.266	N	15.976	E	10	G			0.5	5	POLAND
	02	22 35 40.6?	39.41	N	143.67	E	33	N	4.1		1.3	14	OFF EAST COAST OF HONSHU, JAPAN
	03	00 59 22.3	8.555	N	82.823	W	50		4.7		1.3	31	PANAMA-COSTA RICA BORDER REGION MD 4.9 (UPA) Felt (IV) at Puerto Armuelles, (III) at Bugaba, Boquete, Cerro Punta and Dovid, Panama Felt (IV) at Golfito, (II) at Quepos and San Jose, Costa Rica.
	03	01 17 15.9%	31.190	S	69.110	W	33	N			1.3	6	SAN JUAN PROVINCE, ARGENTINA
	03	01 24 52.9*	40.938	N	15.128	E	10	G			1.4	7	SOUTHERN ITALY
	03	01 42 38.8?	21.54	S	177.95	W	468	?	4.4		1.4	9	FIJI ISLANDS REGION
	03	01 55 01.3*	40.778	N	21.242	E	10	G			0.7	5	GREECE. ML 2.3 (SKO).
	03	02 03 07.6	39.822	N	23.626	E	10	G			1.3	14	AEGEAN SEA. ML 2.7 (THE).
	03	03 27 03.6&	58.460	N	142.288	W	10	G				5	GULF OF ALASKA. <AGS-P>.
	03	04 40 29.7?	0.06	N	123.69	E	163	?	4.5		1 1	10	MINAHASSA PENINSULA
	03	05 49 47.4	39.514	N	143.205	E	25	D	5.2		0.9	125	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Miyako, Hachinohe and Mariaka
	03	06 22 48 3*	38.314	N	21.750	E	5	G			1 5	5	GREECE. MD 3.1 (ATH)
	03	06 24 35 1*	37 185	N	20.614	E	10	G			1.2	11	IONIAN SEA ML 3.6 (ATH)
	03	07 15 12.3*	37.017	N	70.864	E	33	N	4.5		0 6	7	AFGHANISTAN-USSR BORDER REGION
	03	08 15 13.5*	39 567	N	143.188	E	33	N	4.3		1.2	19	OFF EAST COAST OF HONSHU, JAPAN
	03	08 33 39.2	6.388	S	105.140	E	92	*	5.1		1.1	45	SUNDA STRAIT
	03	10 47 56 4&	36.918	N	121 680	W	8					18	CENTRAL CALIFORNIA. <BRK> ML 3 3 (BRK) Mo=2.5*10**14 Nm (BRK)
	03	10 55 59 0	41 188	N	22.120	E	10	G			1.2	18	YUGOSLAVIA ML 2.9 (SKO), 2.7 (THE).
	03	10 57 41.1%	59.861	N	5.058	E	10	G			0.3	6	SOUTHERN NORWAY
	03	10 58 57.6	41.223	N	22.082	E	10	G			0.5	10	YUGOSLAVIA. ML 2.3 (THE), 2.0 (SKO).
	03	11 01 11 6?	43.80	N	6.98	E	10	G			0.0	5	NEAR SOUTH COAST OF FRANCE
	03	11 28 43.3	37.220	N	28.223	E	5	G			1.3	8	TURKEY

	03	11 31 07.5*	24.287	N	121.910	E	10	G			0 6	6	TAIWAN
	03	11 50 18 0?	41.78	N	23.30	E	10	G			0 6	6	GREECE-BULGARIA BORDER REGION. ML 2.5 (THE), 2 0 (SKO).
	03	12 36 24.9?	6 79	S	129 63	E	78	?	4 5		1.3	12	BANDA SEA
a	03	14 08 47 3	5.689	N	126 570	E	59		5.2		1 0	108	MINDANAO, PHILIPPINE ISLANDS
	03	14 40 34 9?	42.67	N	23 24	E	10	G			0 8	5	BULGARIA
	03	14 52 56 5%	44.079	N	8 519	E	10	G			0.4	7	NORTHERN ITALY ML 1.8 (GEN)
	03	16 04 49.2&	36.512	N	121 120	W	7					7	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	03	16 52 23 0	44 753	N	7.313	E	9				0 6	36	NORTHERN ITALY. ML 3.0 (LDG), 3.0 (GEN). MD 2.5 (STR).
	03	17 05 51.6?	32.96	S	72.04	W	26				0.7	10	OFF COAST OF CENTRAL CHILE
a	03	17 39 10.8	1.285	S	148 713	E	17	G	5 7 5 7		1.0	205	ADMIRALTY ISLANDS REGION. Depth from broadband displacement seismograms.
	03	19 09 01 6&	38.567	N	119 652	W	11					28	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 4.5 (BRK). Mo=4.1*10**15 Nm (BRK). Felt (IV) at Coleville, Markleeville and South Lake Tahoe, California. Also felt (IV) at Genoa, Nevada. Felt in the Carson City-Lake Tahoe area, Nevada. Also felt in the Jackson area, California.
	03	19 12 26.2&	38.585	N	119.637	W	6					19	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3 5 (BRK).
	03	19 20 58.9*	37.385	N	20 990	E	10	G			1 1	9	IONIAN SEA. MD 3.3 (ATH).
	03	19 21 57.9*	0.337	N	98 149	E	33	N			1.3	6	NORTHERN SUMATERA
	03	19 33 27.3	38.571	N	119.580	W	10	G			1.1	8	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (BRK).
	03	20 47 02 9&	38.567	N	119 650	W	13					12	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK).
	03	21 07 45.8&	38.568	N	119.650	W	15					9	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK).
	03	21 17 12.8*	32.566	S	70.976	W	33	N			0.7	10	CHILE-ARGENTINA BORDER REGION
	03	21 30 22.2	38.631	N	26.803	E	10	G			0.9	8	AEGEAN SEA. MD 3.1 (ATH).
	03	21 32 03.0?	46.75	N	18 33	E	10	G			1.1	5	HUNGARY ML 2.7 (VKA).
	03	22 45 01.9?	39.53	N	143.47	E	31	D	4.3		0.8	12	OFF EAST COAST OF HONSHU, JAPAN
	03	23 17 02.4%	18.001	N	66.591	W	33	N			0.7	6	PUERTO RICO REGION
	04	00 18 28.1	43.210	N	4.743	E	10	G			1.3	31	NEAR SOUTH COAST OF FRANCE. ML 3.1 (LDG). MD 2.5 (STR).
	04	01 12 10.9	40.257	N	20.647	E	10	G			1.1	19	GREECE-ALBANIA BORDER REGION. ML 2.8 (THE). MD 3.1 (ATH).
	04	01 19 41.3*	26.129	S	27.825	E	5	G			1.4	5	REPUBLIC OF SOUTH AFRICA. MG 3.2 (BUL).
	04	01 53 03 4*	38.010	N	20.310	E	10	G			1.3	13	GREECE MD 3.2 (ATH). ML 3.1 (THE).
	04	02 41 06.0*	42.741	N	13 183	E	10	G			1.1	5	CENTRAL ITALY
	04	02 44 41.0?	17.84	N	66.64	W	33	N			0.6	5	PUERTO RICO REGION
	04	02 49 16 7	39.809	N	143 272	E	33	N	4.8 3.8		1 0	42	OFF EAST COAST OF HONSHU, JAPAN
	04	03 03 35 9	44.248	N	12 112	E	13				0.8	42	NORTHERN ITALY. ML 3.5 (LDG), 3.4 (KBA), 2.7 (LJU) MD 3.6 (TRI), 3.4 (FIR).
	04	03 09 19 8&	35.370	N	117 790	W	5					12	CENTRAL CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	04	03 12 08.1*	32.748	S	71.591	W	10	G			0 8	11	NEAR COAST OF CENTRAL CHILE
	04	03 14 35 1	44.253	N	12 127	E	16				0 9	69	NORTHERN ITALY. ML 3.8 (KBA), 3 7 (LDG), 3.7 (VKA) MD 3 9 (TRI).
	04	03 16 22.1*	44.154	N	12 101	E	10	G			1 4	7	NORTHERN ITALY
	04	03 37 07.8?	44.11	N	12.10	E	10	G			0 3	4	NORTHERN ITALY
	04	03 57 53 6	9 515	N	126 450	E	59	*	4 9 4.0		1.2	38	MINDANAO, PHILIPPINE ISLANDS
	04	04 24 56 6?	29.15	S	178 64	W	190	*	4.3		0 6	9	KERMADEC ISLANDS
	04	05 16 10.0	49.088	N	8 389	E	10	G			1 3	12	GERMANY ML 3.3 (LDG), 2.7 (KBA) MD 2.6 (UCC), 2 5 (STR)
	04	06 16 57.8?	60.55	S	26 47	W	33	N	5.3		1.3	10	SOUTH SANDWICH ISLANDS REGION
	04	06 35 09 8	16.240	S	173 244	W	33	N	5 3		0 8	99	TONGA ISLANDS
	04	07 16 04 9&	37.775	N	122.155	W	9					23	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=3.8*10**14 Nm (BRK). Felt (V) at Dublin and San Lorenzo. Felt (III) at Emeryville. Felt in the East San Francisco Bay area from Richmond to Hayward.
	04	07 56 15.3%	43 398	N	5 426	E	10	G			0 7	12	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	04	08 10 18.5*	15.664	N	98 388	W	17		4 0		1 0	10	OFF COAST OF GUERRERO, MEXICO
	04	08 13 16 0*	24.045	S	66 670	W	198	*	4.3		1.4	20	SALTA PROVINCE, ARGENTINA
	04	09 03 50.1%	18.194	N	100.643	W	33	N			0.9	5	GUERRERO, MEXICO
	04	09 44 02.9?	43.07	N	13.54	E	10	G			0.6	4	CENTRAL ITALY. MD 2 4 (SSO).
	04	10 05 15.5?	64.74	N	30 75	E	10	G			0 8	6	FINLAND-USSR BORDER REGION. ML 3.4 (BER).
	04	11 24 09.9	44.584	N	9.681	E	10	G			0 7	12	NORTHERN ITALY
	04	12 50 51.9*	21.034	S	169 100	E	10	G	4 7		1 4	13	LOYALTY ISLANDS REGION
	04	14 39 38.9&	58.764	N	153.186	W	72					15	KODIAK ISLAND REGION. <AGS-P>.
	04	14 48 46 4	44.875	N	18.180	E	10	G			0.8	19	YUGOSLAVIA MD 3.5 (TRI). ML 2.5 (LJU).
	04	14 53 47 8*	46.090	N	150.870	E	100	G	4 5		0.8	18	KURIL ISLANDS
	04	15 39 15.4	3.484	S	80.321	W	36	D	5.0		1.2	49	PERU-ECUADOR BORDER REGION. Felt (IV) in the Tumbes-Piura area, Peru.
	04	15 48 23.0	41.777	N	126.720	W	10	G	4.5		0.6	30	OFF COAST OF NORTHERN CALIFORNIA. ML 3.8 (BRK).
	04	15 58 26.6?	34.94	N	14.96	E	112	?			0.9	25	MEDITERRANEAN SEA
	04	16 54 08.7%	41.139	N	23.019	E	10	G			0.4	7	GREECE-BULGARIA BORDER REGION ML 2 0 (THE).
	04	17 05 59 7%	37.790	N	4.583	W	10	G			1.1	7	SPAIN. mbLg 2.9 (MDD).
	04	17 28 31.5*	17.002	N	62.330	W	10	G			0.2	5	LEEWARD ISLANDS. ML 2.8 (FDF).
a	04	18 04 02 4	72.255	N	0.630	E	10	G	5.1 5.2		1.2	165	NORWEGIAN SEA
a	04	18 17 13.8	72.281	N	0 594	E	10	G	5 3 5.3		1 0	201	NORWEGIAN SEA
	04	19 39 37 0?	17.66	S	178.84	W	570	?	4.2		1.1	11	FIJI ISLANDS REGION
	04	20 08 05.7	36.728	N	2.379	E	10	G	4.5		1.0	61	ALGERIA. MD 4.7 (STR).
a	04	20 12 04.8	39.118	N	143.354	E	30	D	5.4 5 7		1 1	199	OFF EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Morioka, Aomori and Hachinohe; (I JMA) at Sendai, Miyako and Niigata. Also felt (I JMA) at Kushiro, Hokkaido.
	04	20 35 26.8%	39.300	N	27 959	E	10	G			1 1	6	TURKEY
	04	20 47 21.0	30.580	N	57.554	E	33	N	4 8		1 0	75	IRAN. Felt in the Kerman area.
	04	20 51 13.8	39.097	N	143 574	E	27	D	5.3 5.5		0.9	137	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Aomori, Morioka, Miyako and Hachinohe
	04	20 57 32.9*	36.602	N	21 201	E	10	G			1 1	8	SOUTHERN GREECE. ML 3.5 (ATH).
a	04	21 56 42.6	39.300	N	143.336	E	21	D	5 3		1 1	165	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Aomori, Morioka, Miyako and Hachinohe
	04	22 19 57.2	31 699	S	72.105	W	43	*	4 9		1 0	24	OFF COAST OF CENTRAL CHILE
	04	22 47 59 3?	31.65	S	69 82	W	10	G			1 5	5	SAN JUAN PROVINCE, ARGENTINA
	04	23 34 44.1&	33.940	N	119.220	W	1					11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3 1 (PAS).
	05	00 12 53.9&	63.035	N	151.011	W	112					26	CENTRAL ALASKA. <AGS-P>.
	05	01 25 31 1*	39.074	N	143.408	E	37	*	4 0		1 0	23	OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Aomori, Morioka, Miyako and Hachinohe.

	05	01	27	37.5*	36.555	N	21	102	E	10	G		1.3	13	SOUTHERN GREECE. ML 3.6 (ATH)
	05	01	30	42.4&	37.077	N	121.925		W	15				22	CENTRAL CALIFORNIA <BRK> ML 4.2 (BRK). Mo=1.4*10**15 Nm (BRK). Felt at Santa Cruz, Palo Alto and Menlo Park.
	05	02	01	29.1	38.708	N	24.657		E	10	G		1.2	17	AEGEAN SEA. ML 3.0 (ATH).
	05	02	09	12.6?	32.46	S	71 41		W	32			0.7	10	NEAR COAST OF CENTRAL CHILE
	05	02	19	45.1&	63.188	N	149.756		W	104				33	CENTRAL ALASKA. <AGS-P>.
	05	02	41	49.2	36.569	N	21.183		E	10	G	4.0	1.0	51	SOUTHERN GREECE. ML 3.9 (ATH).
	05	03	10	36.2*	44.106	N	8.673		E	10	G		0.4	14	NORTHERN ITALY. ML 2.6 (GEN).
	05	03	40	12.2&	59.462	N	153 696		W	81				5	SOUTHERN ALASKA. <AGS-P>
	05	03	42	52.3&	37.020	N	121.788		W	8				13	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	05	04	22	19.7	25.150	N	124 672		E	89	D	4.6	1.3	44	NORTHEAST OF TAIWAN
	05	05	17	04 4?	25.72	S	179 84		E	548	?	4.8	1.0	27	SOUTH OF FIJI ISLANDS
	05	05	28	08.3?	28 72	S	67 66		W	33	N		0.3	6	LA RIOJA PROVINCE, ARGENTINA
	05	06	22	32.8&	60 334	N	153 096		W	137				30	SOUTHERN ALASKA. <AGS-P>.
	05	07	32	04.8	39.448	N	28.237		E	10	G		1.1	17	TURKEY. MD 3.4 (ATH).
	05	07	32	48.5*	23.136	S	68.565		W	136	*		1.0	10	NORTHERN CHILE
	05	08	27	30.4&	57.650	N	142.992		W	10	G			6	GULF OF ALASKA. <AGS-P>.
	05	09	00	59.2	35.743	N	22 969		E	26		4.2	1.3	26	MEDITERRANEAN SEA. ML 3.6 (ATH).
	05	09	55	46.9?	31.49	S	68.82		W	106	?		0.2	7	SAN JUAN PROVINCE, ARGENTINA
	05	11	13	04.1?	38.74	N	15.17		E	33	N		1.1	6	SICILY
	05	11	38	18.4	36.747	N	2.399		E	10	G	4.6	1.1	101	ALGERIA. MD 4.3 (STR). mbLg 4.0 (MDD)
	05	13	37	34.3&	37.058	N	121.915		W	15				26	CENTRAL CALIFORNIA. <BRK>. ML 4.5 (BRK). Mo=2.6*10**15 Nm (BRK) Felt at Santa Cruz, Halfmoan Bay, San Jose and San Francisco.
a	05	13	42	04.4	39.145	N	143.477		E	31	D	5.1 4.7	1.1	119	OFF EAST COAST OF HONSHU, JAPAN
	05	14	18	37.6%	43.420	N	5 490		E	10	G		0 8	8	NEAR SOUTH COAST OF FRANCE. MD 2.6 (STR).
	05	14	32	43.3	48 803	N	128.069		W	10	G	4.6	0.9	58	VANCOUVER ISLAND REGION
	05	14	54	58.5?	21.30	S	69 10		W	201	?		0 1	5	NORTHERN CHILE
	05	15	01	07.2	48.827	N	128.074		W	10	G	4.8	1.0	70	VANCOUVER ISLAND REGION
	05	15	08	26.0	40.046	N	142 691		E	43	D	5.2 4.7	1.0	122	NEAR EAST COAST OF HONSHU, JAPAN
a	05	15	56	20.6	39 159	N	143.515		E	29	D	5.2 4 5	1.1	150	OFF EAST COAST OF HONSHU, JAPAN
	05	16	11	48.4?	31.55	S	68.77		W	245	*		1.4	7	SAN JUAN PROVINCE, ARGENTINA
a	05	16	46	21.7	9.050	N	126.469		E	60	*	5 0	1.2	88	MINDANAO, PHILIPPINE ISLANDS
	05	16	50	05.6	44.979	N	6.784		E	10	G		1.3	16	FRANCE. ML 2.6 (LDG), 2.5 (GEN).
	05	18	00	09 4?	39.87	N	143.45		E	33	N	4 8	1.2	10	OFF EAST COAST OF HONSHU, JAPAN
	05	19	00	44 2	36.590	N	121.206		W	5	G		0.7	12	CENTRAL CALIFORNIA ML 2.3 (NEIS).
	05	19	06	56 9*	39.713	N	143.723		E	29	D	4.7	0.7	14	OFF EAST COAST OF HONSHU, JAPAN
	05	19	24	03 7?	39.60	N	143 82		E	28	D	3.7	1.2	13	OFF EAST COAST OF HONSHU, JAPAN
	05	19	46	27.4%	11.212	N	61 893		W	33	N		1.3	9	WINDWARD ISLANDS. MD 3 5 (TRN)
	05	20	35	26.2*	67.043	N	136 169		W	10	G		0.9	6	NORTHERN YUKON TERRITORY, CANADA
	05	20	48	24 7%	40 286	N	26 952		E	10	G		0.7	6	TURKEY
	05	21	42	05.4?	43.04	N	128.63		W	10	G		0.3	21	OFF COAST OF OREGON. CL 3.4 (SEA).
a	05	22	29	50.3*	49 684	S	115.159		W	10	G	5.2 5.7	1.2	43	EASTER ISLAND CORDILLERA. Ms 5.9 (BRK).
	05	23	22	49.5*	22.417	S	69.623		W	215	*	4.7	0.6	7	NORTHERN CHILE
	05	23	56	53 2	44.619	N	9.224		E	10	G		0.7	10	NORTHERN ITALY
	06	01	24	33.3&	59.806	N	153.231		W	126				34	SOUTHERN ALASKA. <AGS-P>.
	06	03	40	48 0&	33.180	N	115.590		W	1				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS).
	06	04	06	18.9	38.019	N	22.205		E	10	G		0.5	7	GREECE. ML 3.0 (ATH)
	06	04	41	20.8	34.810	N	24.283		E	29		4.4	1.3	129	CRETE. ML 4.5 (THE), 4 3 (ATH)
	06	04	59	35.5%	29.080	S	25 369		E	5	G		1.0	8	REPUBLIC OF SOUTH AFRICA
	06	05	46	21.2&	62.550	N	151.216		W	89		3.7		52	CENTRAL ALASKA. <AGS-P> Felt (III) at Cantwell and Talkeetna. Felt (II) at Butte, Palmer and Sutton.
	06	06	03	58.4*	39 167	N	141.660		E	71		4.8	1.4	35	HONSHU, JAPAN
	06	06	22	51.4&	36.985	N	121 782		W	15				14	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	06	06	33	30 7	38 089	N	23 134		E	23		4.5	1.0	30	GREECE. ML 3.8 (THE), 3 6 (ATH)
	06	07	45	28 0*	21.637	S	67.500		W	33	N		1.3	6	CHILE-BOLIVIA BORDER REGION
	06	08	09	17 3	24 876	N	122.163		E	10	G	4.2	0.5	8	TAIWAN REGION
	06	08	27	15.8&	37 107	N	121.892		W	9				14	CENTRAL CALIFORNIA. <BRK> ML 2.7 (BRK). Foreshock, ML 0 8, 10.3 seconds earlier.
	06	08	27	29.3%	41.422	N	29.619		E	10	G		0.4	6	TURKEY
	06	08	43	37.9*	5.389	S	149 250		E	156	*	4 4	1.2	11	NEW BRITAIN REGION
	06	08	52	09 0?	36.10	N	30.75		E	10	G		1.1	8	TURKEY
a	06	08	56	19.3	40 101	N	142.318		E	49		5.4 4.9	1.0	207	NEAR EAST COAST OF HONSHU, JAPAN Felt (IV) at Misawa.
	06	08	56	21.1	12 489	N	88 504		W	33	N	4.6	0.6	9	OFF COAST OF CENTRAL AMERICA. Felt (II) at San Salvador, El Salvador.
	06	10	40	34.5	39 199	N	21.564		E	10	G	4.6	1.4	81	GREECE. ML 3.8 (THE), 3.7 (ATH), 3.7 (TTG).
	06	10	52	00 6	48.287	N	7.231		E	10	G		0.4	10	FRANCE. ML 2.9 (LDG). MD 2.1 (STR).
	06	12	16	46 4?	1.80	N	126 82		E	33	N	4.5	1.1	7	MOLUCCA PASSAGE
	06	12	25	53 7%	33.967	S	71 396		W	10	G		0.6	7	NEAR COAST OF CENTRAL CHILE
	06	12	40	29 8?	40 37	N	28.91		E	10	G		1.3	5	TURKEY
	06	12	40	32 9	38.087	N	23 110		E	10	G		1.0	10	GREECE. ML 2.6 (ATH).
	06	13	27	53 1*	9 601	N	84 262		W	33	N		1 0	5	COSTA RICA. ML 4.0 (SJR). Felt (III) at Aserri and (II) at San Jose. Also felt at Ciudad Calan, San Pabla de Heredia and Alajuela.
	06	14	49	21 7%	60 700	N	6 466		E	10	G		0.6	6	SOUTHERN NORWAY
a	06	15	12	53.7	25.742	N	125 583		E	31		5.1 5.3	1.2	73	SOUTHWESTERN RYUKYU ISLANDS
	06	15	42	14.0*	14.344	N	92.798		W	64	*	4.5	1.3	25	NEAR COAST OF CHIAPAS, MEXICO. Felt in San Marcos, Quiche and Huehuetenango Departments, Guatemala.
	06	16	12	00 9*	5.978	S	131 672		E	33	N	4 4	1 2	15	BANDA SEA
	06	16	26	11.4%	26.383	S	27.254		E	5	G		1.4	6	REPUBLIC OF SOUTH AFRICA
	06	17	13	12.8%	31.348	S	68.534		W	107	?		0.4	7	SAN JUAN PROVINCE, ARGENTINA
	06	17	16	35.5*	36.033	N	139.371		E	80	*	4.6	1.2	6	HONSHU, JAPAN
	06	19	08	13.8*	6.569	S	129.989		E	178	?	4 5	0.9	7	BANDA SEA
	06	20	00	26.6	48.286	N	7.259		E	10	G		0.5	9	FRANCE. ML 2.4 (LDG). MD 1.8 (STR).
a	06	20	52	21.2	11.315	S	162.435		E	39	*	5.5 6.0	1.2	140	SOLOMON ISLANDS. Ms 6.0 (BRK), 6.0 (PAS). Felt at Honiara and Mwaniwowo, San Cristobal.
	06	21	00	38.1	3.191	S	80 584		W	33	D	5 2 5.3	1.2	73	PERU-ECUADOR BORDER REGION
	06	22	04	59 5*	40.181	N	143 024		E	33	N	4 7	1.1	25	OFF EAST COAST OF HONSHU, JAPAN
	06	22	40	11.7?	42.71	N	13 14		E	10	G		0 7	4	CENTRAL ITALY. MD 2.0 (SSO).
	06	23	12	33.8	43.760	N	7 669		E	10	G		0 5	15	NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG), 2.3 (GEN).
	06	23	20	29 0%	39 156	N	27 917		E	10	G		1.2	6	TURKEY
	06	23	20	31 0	48 901	N	128 102		W	10	G	4 1	0 8	40	VANCOUVER ISLAND REGION
	06	23	37	24 5&	37.642	N	122 488		W	9				13	CENTRAL CALIFORNIA <BRK>. ML 3.3 (BRK). Mo=7.7*10**13

													Nm (BRK). Felt at Daly City, South San Francisca, San Bruno and Pacifica.
	07	00 30 29.4	39.787	N	143.400	E	33	N	4.8		1.1	32	OFF EAST COAST OF HONSHU, JAPAN
	07	00 59 58.3	38.308	N	23.605	E	10	G			0.5	6	GREECE. ML 2.5 (ATH).
	07	03 00 59 4	38.062	N	2.101	W	5	G			1.0	13	SPAIN. mbLg 3.5 (MDD).
	07	03 24 54.8	7.068	N	77.667	W	10	G	4.9	4.2	1.2	92	PANAMA-COLOMBIA BORDER REGION. MD 5.1 (UPA).
	07	03 27 23.1*	39.142	N	143.509	E	33	*	4.8		1.4	38	OFF EAST COAST OF HONSHU, JAPAN
	07	06 16 03.5	45.688	N	15.657	E	10	G			0.6	9	YUGOSLAVIA. ML 2.6 (KBA), 2.4 (ZAG). MD 3.0 (TRI), 3.0 (LJU).
	07	06 57 57.3	32.699	S	69.840	W	118	?			0.5	16	MENDOZA PROVINCE, ARGENTINA
	07	07 23 09.2?	53.60	N	155.31	W	33	N			1.3	5	SOUTH OF ALASKA. ML 4.2 (PMR).
	07	07 24 15.7	36.424	N	26.627	E	162	*			0.8	15	DODECANESE ISLANDS
	07	08 32 26.0%	44.154	N	7.407	E	10	G			0.5	6	NORTHERN ITALY. ML 2.2 (GEN).
	07	08 45 49.4	45 940	N	15.061	E	10	G			0.7	9	YUGOSLAVIA. ML 3.0 (KBA), 2.2 (ZAG). MD 2.9 (LJU), 2.8 (TRI).
	07	09 03 07.6	4.329	S	152.409	E	41	*	5.0	4.7	1.3	61	NEW BRITAIN REGION
	07	09 48 01.1	32.606	S	68.781	W	10	G			0.8	16	MENDOZA PROVINCE, ARGENTINA
	07	10 11 22.5?	40.73	N	29.87	E	10	G			0.9	7	TURKEY
	07	10 52 51.3	52.795	N	166.964	W	33	N	4.7		0.9	32	FOX ISLANDS, ALEUTIAN ISLANDS
	07	11 36 12.2%	39.084	N	27.660	E	10	G			0.9	5	TURKEY
	07	11 54 52.6*	15.790	S	71.860	W	175	*			1.1	10	SOUTHERN PERU
	07	12 04 19 9*	9.717	S	111.674	E	10	G	4.5		1.3	8	SOUTH OF JAVA
	07	13 00 26.0%	40.484	N	29.291	E	10	G			0.6	6	TURKEY
	07	13 05 19.6	17.140	N	62.330	W	33	N			0.4	5	LEEWARD ISLANDS
	07	13 23 04.8?	39.12	N	27.58	E	10	G			1.3	4	TURKEY
	07	13 50 20.7*	37.153	N	71.692	E	125	*	4.4		1.4	17	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog and (II) at Komarau, USSR.
	07	14 34 41.6%	43.048	N	0.914	W	10	G			0.8	5	PYRENEES. MD 1.7 (STR)
	07	15 00 35.6*	39.732	N	143.573	E	33	N	4.6	3.7	1.1	28	OFF EAST COAST OF HONSHU, JAPAN
	07	15 13 51.4*	40.312	N	143 535	E	33	N	4.7		0.9	18	OFF EAST COAST OF HONSHU, JAPAN
	07	15 56 02.5	44.418	N	8.307	E	10	G			0.8	20	NORTHERN ITALY. ML 2.5 (GEN).
	07	16 12 41.8?	32.79	S	71.69	W	62	?	3.9		1.5	16	NEAR COAST OF CENTRAL CHILE. Felt (IV) in the Volparaisa area.
	07	18 06 30.8?	33.44	S	73.15	W	33	N			1.5	8	OFF COAST OF CENTRAL CHILE
	07	19 29 23.4?	24.26	S	178 36	E	663	?	5.0		0.9	23	SOUTH OF FIJI ISLANDS
	07	20 01 19.3?	32.19	S	72.44	W	10	G			0.4	8	OFF COAST OF CENTRAL CHILE
	07	20 03 51.6%	33.148	S	71.411	W	10	G			1.2	9	NEAR COAST OF CENTRAL CHILE
	07	20 53 05.5	42.027	N	142.393	E	71	*	4.8		1.0	86	HOKKAIDO, JAPAN REGION
	07	23 22 13.7&	36.968	N	122.230	W	7					14	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	07	23 42 37.7&	37.227	N	122.037	W	11		4.4			29	CENTRAL CALIFORNIA. <BRK>. ML 4.3 (BRK). Mo=3.8*10**15 Nm (BRK) Felt strongly in the southern San Francisco Bay area including Cupertino, Palo Alto, San Jose and Sunnyvale. Also felt in the San Francisco-Berkeley-Hayward area.
	07	23 55 16 2	39.360	N	27.648	E	10	G			0.5	13	TURKEY
	07	23 59 00.9*	2 988	S	139.178	E	33	N	4.8		1.3	23	NEAR N. COAST OF WEST IRIAN
	08	00 46 18.6%	39 665	N	16.807	E	30	*			0.5	8	SOUTHERN ITALY
	08	01 43 36.1	39.517	N	122.652	W	5	G			0.5	8	NORTHERN CALIFORNIA. ML 2.8 (BRK).
	08	04 17 46.6	45.505	N	6.621	E	10				0.5	15	FRANCE. ML 2.7 (LDG).
	08	05 06 34.0?	37.29	S	140.43	E	10	G	3.4		1.2	7	NEAR SOUTH COAST OF AUSTRALIA. ML 4.2 (TOO), 4.2 (STK), 4.2 (CMS).
	08	05 12 42.1	27.655	S	69.000	W	118	D	4.9		1.3	43	CHILE-ARGENTINA BORDER REGION
	08	06 14 24.0&	39.829	N	105.016	W	5	G				8	COLORADO. <SPEC>. ML 2.5 (NEIS). Felt (IV) at Thornton and (III) at Eastlake, Montbello, Northglenn and in parts of Denver A small aftershock, ML 1.8, occurred about 90 seconds later.
	08	07 10 49.0	43.310	N	20.712	E	10	G			0.8	7	YUGOSLAVIA. ML 2 5 (TTG).
	08	08 25 51.2	41.305	N	20.094	E	10	G			1.3	19	ALBANIA. ML 3 0 (SKO), 2.5 (TTG).
	08	10 15 09.4*	5.623	S	76 026	W	33	N	4.9		1.5	11	NORTHERN PERU
	08	11 20 48.2*	8.592	N	39 774	W	10	G	4.8	4.5	1 4	25	CENTRAL MID-ATLANTIC RIDGE
a	08	11 23 02.2	23.711	S	67.755	W	136	D	5.0		1.3	84	CHILE-ARGENTINA BORDER REGION
	08	15 08 07.7%	41.750	N	28 358	E	10	G			0.5	6	TURKEY
	08	15 20 51.7	6.265	S	108.020	E	298	*	4.9		1.0	42	JAVA
	08	16 04 45 9?	19.69	S	178 75	W	708	*			0.4	9	FIJI ISLANDS REGION
	08	16 49 10.7	4.529	S	139 013	E	33	N	5.1	4.5	1.1	75	WEST IRIAN
	08	16 55 22.7	23 633	N	141.903	E	139	D	5.2		1.0	95	VOLCANO ISLANDS REGION
	08	17 40 05 4	42.600	N	19.059	E	10	G			0.5	8	YUGOSLAVIA. ML 2.6 (TTG).
	08	18 35 05.3&	61.447	N	149.997	W	31					20	SOUTHERN ALASKA. <AGS-P>.
	08	18 51 27.1*	37.755	N	26.771	E	22	*			0.8	6	DODECANESE ISLANDS. MD 3.1 (ATH).
	08	19 22 05 4%	36.159	N	4.372	W	10	G			0.7	5	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
	08	19 30 19.9	41.827	N	20.059	E	10	G			1.2	20	ALBANIA. ML 3.0 (SKO), 2.7 (TTG).
	08	19 37 10.6	36.971	N	3.652	W	10	G			1.1	7	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
a	08	20 07 10.5	30.898	N	141.491	E	41		5	1 4.7	1.1	93	SOUTH OF HONSHU, JAPAN
	08	21 03 21.0&	36 943	N	121.603	W	4					14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	08	21 06 32.4?	37 11	N	20.18	E	10	G			1 3	6	IONIAN SEA. ML 3.7 (ATH).
	08	21 23 48.9*	31.292	S	68.209	W	10	G			1.1	16	SAN JUAN PROVINCE, ARGENTINA
	08	21 41 27.7?	7.56	S	129 06	E	130	?	4.5		1.4	10	BANDA SEA
	08	21 48 29 5*	36.190	N	31.370	E	10	G			1.5	5	TURKEY
	08	22 56 27.7?	66.98	N	21.69	E	10	G			0.6	4	SWEDEN. MD 3.0 (BER).
	09	00 29 10.3	29.541	N	140.742	E	112	D	4	8	1 0	64	SOUTH OF HONSHU, JAPAN
	09	00 49 12.7*	38.074	N	22.039	E	10	G			0 2	5	GREECE. MD 2.9 (ATH).
	09	01 36 57.7	46.399	N	150 153	E	190	G	5.0		0.8	121	KURIL ISLANDS
	09	02 05 17.4&	36.842	N	121.557	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	09	02 08 09.3%	11.391	N	42.710	E	10	G			0.4	10	ETHIOPIA. ML 3.5 (ARO).
	09	02 26 51.5	6.670	S	132.272	E	33	N	4.9		1.1	30	TANIMBAR ISLANDS REGION
	09	02 36 31.1*	31.333	S	68.142	W	10	G			0.4	6	SAN JUAN PROVINCE, ARGENTINA
a	09	03 19 26.1	11.419	S	118.098	E	37	D	5	3 4 5	1 4	107	SOUTH OF SUMBAWA ISLAND. Felt (II) at Kohong-Kahang, Bali
	09	04 15 50.9*	15.282	S	72.548	W	124	*	5.0		1.4	37	SOUTHERN PERU
	09	06 57 13.8?	5.50	S	154.56	E	199	?	4.8		0 4	10	SOLOMON ISLANDS
	09	07 31 34 1%	43.410	N	5.426	E	10	G			0.5	14	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	09	08 36 44 2	17.043	N	99 463	W	57		5	1 4.1	1.0	89	GUERRERO, MEXICO. Felt at Acapulco
	09	08 55 20.0%	44.363	N	8 151	E	10	G			0.7	6	NORTHERN ITALY ML 2.3 (GEN).

	09	09 07 56.7	33.909	S	70.553	W	96		5.0		0.9	67	CHILE-ARGENTINA BORDER REGION Felt (V) at Vina del Mar and Valparaiso; (IV) at Santiago, Chile.
	09	09 16 49.1?	31.46	S	67.98	W	33	N			1.1	6	SAN JUAN PROVINCE, ARGENTINA
	09	09 20 12.5	31.532	S	69.270	W	129				0.7	17	SAN JUAN PROVINCE, ARGENTINA. Felt (II) at San Juan.
	09	09 27 32.2?	39.03	S	91.70	W	10	G	4.7	4.8	1.3	26	WEST CHILE RISE
	09	10 12 36.6	41.990	N	19.136	E	10	G			1.1	12	ALBANIA. ML 2.4 (TTG).
	09	10 39 45.7*	22.509	S	70.691	W	100	?	4.5		0.9	9	NEAR COAST OF NORTHERN CHILE
	09	13 10 41.1*	34.446	N	25.805	E	33	N			0.9	6	CRETE. MD 4 2 (HLW), 3.9 (ATH).
	09	14 17 11 4	39.462	N	122 739	W	5	G			0.9	9	NORTHERN CALIFORNIA. ML 2.6 (BRK).
	09	14 45 51.5*	43.411	N	13.903	E	10	G			1 0	9	CENTRAL ITALY. MD 3.1 (SSO).
	09	17 01 08.0*	5.453	S	131.215	E	33	N	4.4		1.2	8	BANDA SEA
	09	18 29 45.7%	66 997	N	20.671	E	10	G			1.3	7	SWEDEN. MD 2.9 (BER).
	09	18 39 54.0	6 232	N	125.376	E	122		5.0		1.1	51	MINDANAO, PHILIPPINE ISLANDS
	09	19 49 59.7*	52 173	S	161.091	E	10	G	5.0	4.7	1.3	17	MACQUARIE ISLANDS REGION
	09	21 02 35.0	35 589	N	118.106	W	5	G			0.6	10	CENTRAL CALIFORNIA. ML 3.0 (BRK).
	09	21 47 55.7*	49.169	N	6.859	E	10	G			0.7	7	GERMANY. MD 1.0 (STR)
a	09	22 05 33.3*	61 447	S	154.310	E	10	G	5.1	5.1	1.2	32	BALLENY ISLANDS REGION
	09	23 38 30.8?	44.73	N	129.52	W	10	G			0.3	21	OFF COAST OF OREGON
	10	00 04 16.1&	61 035	N	152.304	W	121					37	SOUTHERN ALASKA. <AGS-P>.
	10	00 25 54.1*	43.140	N	144.552	E	48	*	4.3		1.1	7	HOKKAIDO, JAPAN REGION
	10	00 31 15.6&	36.960	N	121.748	W	18					14	CENTRAL CALIFORNIA. <BRK>. ML 2 8 (BRK).
	10	02 12 02.1	58.426	N	157.105	W	47	?			0.7	23	ALASKA PENINSULA. ML 4.0 (PMR).
	10	03 19 11.9	37.396	N	15.185	E	21				0.8	20	SICILY ML 3.1 (ROM). Felt at Catania.
	10	03 42 03.8&	36.677	N	121.343	W	5					14	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	10	04 05 30.6	30.078	N	130.984	E	56	*	4.8	3.9	1.1	42	KYUSHU, JAPAN
	10	06 40 42.8&	32.390	N	115.290	W	6	G				11	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS).
	10	08 03 31.6	27.512	N	103.841	E	10	G	4.7		1.5	23	YUNNAN PROVINCE, CHINA
	10	09 52 18.3?	51.92	N	170.41	W	33	N	4.5		1.0	6	FOX ISLANDS, ALEUTIAN ISLANDS
	10	10 33 38.4	18.705	S	169.194	E	250		5.2		0 9	33	VANUATU ISLANDS
	10	12 06 46.9?	48.96	N	156.15	E	33	N	4.7		1.2	13	KURIL ISLANDS REGION
	10	13 00 18.6	17.245	S	167.737	E	10	G	4.6	4.3	1.1	24	VANUATU ISLANDS
	10	13 15 45.7?	34.09	N	23.11	E	10	G			0 8	7	CRETE. MD 4.1 (ATH).
a	10	13 42 51.1	22.772	S	65.936	W	266	D	5.3		1 1	189	JUJUY PROVINCE, ARGENTINA
	10	13 52 35.1%	19.219	N	98.977	W	10	G			0.9	5	CENTRAL MEXICO. Felt at Mexico City.
	10	14 13 22.5	49.312	N	128.897	W	10	G	4.2		0.7	19	VANCOUVER ISLAND REGION
	10	14 24 59.7&	36.918	N	121.508	W	4					13	CENTRAL CALIFORNIA. <BRK>. ML 2 8 (BRK).
	10	14 33 13.5%	38.158	N	5.108	W	10	G			1.3	6	SPAIN. mbLg 2.8 (MDD).
	10	15 15 50.1?	21.29	S	178.90	W	567	*	4.5		0 9	17	FIJI ISLANDS REGION
	10	15 23 49.1	3.430	N	126.752	E	72	*	5.1		1.2	59	TALAUD ISLANDS
	10	16 58 03.6*	31.052	S	117.414	E	10	G	3.0		1 4	5	WESTERN AUSTRALIA
	10	18 46 05.7	21.276	S	179.150	W	619	*	5.1		1 0	50	FIJI ISLANDS REGION
	10	19 49 47.5?	6.69	S	147.93	E	68	*	4.6		0.9	14	EAST PAPUA NEW GUINEA REGION
	10	21 08 12.4*	36.317	N	71.058	E	111	*	4.7		1.4	18	AFGHANISTAN-USSR BORDER REGION
	10	21 29 33.5?	44.50	N	9.21	E	10	G			1 0	11	NORTHERN ITALY. ML 2.6 (GEN)
	10	22 53 20.0	48.995	N	156.260	E	28	D	5.3	4.5	0 9	185	KURIL ISLANDS REGION
	10	22 57 51.9	48.992	N	156.265	E	21	D	5.4	5.2	0.8	196	KURIL ISLANDS REGION
	10	23 15 09.6	48.983	N	156.318	E	23	D	4.8		1.0	41	KURIL ISLANDS REGION
a	10	23 21 40.6	46.088	N	151.699	E	56	*	5.6	5.0	0 8	332	KURIL ISLANDS
	11	00 12 01.2?	29.45	S	71.68	W	33	N			1.2	13	NEAR COAST OF CENTRAL CHILE
	11	00 20 00.4	46.811	N	9.758	E	10	G			1.3	10	SWITZERLAND. ML 2 5 (LDG), 2.2 (kBA).
	11	00 33 52.3%	44.828	N	6.703	E	10	G			0.4	6	FRANCE. ML 2.2 (GEN)
	11	02 18 24.7?	31.13	S	68.51	W	101	?			0.1	7	SAN JUAN PROVINCE, ARGENTINA
	11	03 51 52.8?	31.63	S	71 90	W	10	G			1.0	6	NEAR COAST OF CENTRAL CHILE
	11	04 13 17.5*	39.578	N	143.639	E	35	*	4.5		0.8	16	OFF EAST COAST OF HONSHU, JAPAN
	11	05 04 27.5?	21.20	N	94.40	E	90	?	4.2		0.3	8	BURMA
	11	06 41 02.8?	19.46	N	98 51	E	10	G			1.4	6	SOUTHEAST ASIA
	11	07 14 21.8?	8.50	S	124.08	E	161	?	4.5		0.6	10	TIMOR
	11	07 45 30.7	40 618	N	15.540	E	10	G			1.4	14	SOUTHERN ITALY
	11	08 13 41.2*	43.025	N	0 216	W	10	G			0.3	5	PYRENEES ML 2.5 (LDG). Felt (II) at Assan, France.
	11	08 18 43.2*	14.701	N	52.363	E	10	G	4.8		1.2	24	EASTERN GULF OF ADEN
	11	08 35 15.5&	33 390	N	118.670	W	7					10	SOUTHERN CALIFORNIA <PAS-P> ML 3.0 (PAS).
	11	08 53 28.8*	42.314	N	7 367	E	10	G			0.2	11	WESTERN MEDITERRANEAN SEA. ML 2.5 (LDG).
	11	10 38 25.3*	37.663	S	176.931	E	241	*	3.4		0.8	22	NORTH ISLAND, NEW ZEALAND
	11	12 07 30.3	37.096	N	28.030	E	10	G			1.0	7	TURKEY
	11	12 19 23.5&	36.852	N	121.622	W	3					16	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	11	13 02 04.6%	43.066	N	0.701	W	10	G			0.4	6	PYRENEES. MD 1.0 (STR).
	11	13 45 32.7%	39.972	N	27.308	E	10	G			1.1	6	TURKEY
	11	14 14 31.2	30.265	S	66.961	W	152	*			0.8	23	LA RIOJA PROVINCE, ARGENTINA
	11	15 04 51 0	14 303	S	72.209	W	63		5.2		0 9	77	PERU
	11	17 33 21.9	4.388	S	136.616	E	33	N	4.6		1.3	32	WEST IRIAN REGION
	11	19 23 22.8&	40.358	N	124.442	W	18		4.4	3 6		54	NEAR COAST OF NORTHERN CALIF <BRK>. ML 4.0 (BRK). Felt (IV) at Bayside, Fortuna, Honeydew, Kneeland and Phillipsville; (III) at Eureka, Garberville, Piercy, Miranda, Myers Flat, Rio Dell, Redcrest and Weott.
	11	20 52 27.9	19.444	S	67.835	W	216	*	4.2		1 1	17	SOUTHERN BOLIVIA
	11	21 00 52.4	30.970	S	68.525	W	10	G			0.7	6	SAN JUAN PROVINCE, ARGENTINA
	11	22 56 29.2	39.825	N	30.253	E	10	G			1 5	13	TURKEY
	11	23 00 39.6*	6.612	S	128.936	E	210	*	4.4		1 4	14	BANDA SEA
	12	00 00 21.7	51.246	N	178.917	W	33	N	5.1	4.7	0.7	158	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.2 (PMR).
	12	00 14 39.6*	30.871	N	114.015	W	10	G	4.5		1.3	21	GULF OF CALIFORNIA
	12	00 26 57.8*	36.452	N	71.164	E	78	?	3.9		1.3	9	AFGHANISTAN-USSR BORDER REGION
	12	00 49 04.1?	2.61	N	127.14	E	33	N	4.9		0.7	5	MOLUCCA PASSAGE
	12	00 50 58.5	44.124	N	10.814	E	10	G			1.1	28	NORTHERN ITALY. MD 3.0 (FIR). ML 2.8 (LDG).
	12	02 12 18.5	39.239	N	23.418	E	10	G			1.0	12	AEGEAN SEA. MD 3.1 (ATH).
	12	03 31 08.0	39.857	N	143.561	E	33	N	4.3		1 1	14	OFF EAST COAST OF HONSHU, JAPAN
	12	03 56 53.9*	43.072	N	0.361	W	10	G			0.1	6	PYRENEES. ML 3.1 (LDG). Felt (IV) at Assan and Castet, France
	12	04 17 00.2?	31.13	N	113 88	W	10	G	3.5		1.3	10	GULF OF CALIFORNIA
	12	04 50 04.3	38.616	N	26 162	E	10	G	4.1	3 8	1 0	81	AEGEAN SEA ML 4.1 (ATH)
	12	05 32 44.3?	23.92	N	122.34	E	10	G			0.3	5	TAIWAN REGION
	12	06 33 04.9%	38.072	N	13 749	E	10	G			0 6	6	SICILY
	12	07 28 24.6*	7.364	S	129.212	E	93	?	4 2		1 1	7	BANDA SEA
	12	07 39 28.8*	24.113	S	67.012	W	197	*			0 7	9	CHILE-ARGENTINA BORDER REGION

	12	08 39 20.6	36.363	N	71.095	E	215 *	4.3		0.9	23	AFGHANISTAN-USSR BORDER REGION
	12	10 20 45.7*	21.866	S	68.576	W	148 *	4.7		1.3	20	CHILE-BOLIVIA BORDER REGION
	12	10 31 59.3	33.133	N	31.460	E	33 N	4.3		1.1	41	EASTERN MEDITERRANEAN SEA. MD 4 0 (HLW).
	12	11 17 56.0*	31.114	S	13 455	W	10 G	4.9	4.1	0.6	6	SOUTH ATLANTIC RIDGE
	12	11 36 49 5&	61.956	N	148 642	W	38				34	SOUTHERN ALASKA. <AGS-P> ML 3.2 (PMR). Felt (IV) at Trapper Creek and Willow.
	12	12 51 10.3*	9.648	N	126.546	E	33 N	4.9		0.6	11	MINDANAO, PHILIPPINE ISLANDS
	12	13 36 58.5*	9 588	N	126.551	E	33 N	5	4 4.2	1.1	18	MINDANAO, PHILIPPINE ISLANDS
	12	13 58 07 0	38.628	N	26.032	E	10 G			0.2	6	AEGEAN SEA. MD 3.2 (ATH).
	12	14 30 16.2*	2.594	S	125.045	E	33 N	4.2		0.6	7	CERAM SEA
	12	14 35 18 1	43.279	N	18.904	E	10 G			0.5	8	YUGOSLAVIA. ML 2.5 (TTG).
	12	16 44 26 3?	30.00	S	72.23	W	33 N			0.6	17	OFF COAST OF CENTRAL CHILE
	12	17 13 31 4&	34 000	N	116.740	W	14				9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	12	17 35 10 8*	19 784	S	179.804	W	473	4.4		0 7	33	FIJI ISLANDS REGION
	12	17 46 27.6?	42.89	N	12.85	E	10 G			0.4	4	CENTRAL ITALY. MD 2.3 (SSO).
	12	18 10 53 8&	36.920	N	121.683	W	10				15	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	12	19 17 47 4*	55.723	S	29.204	W	33 N	4.9		1.6	13	SOUTH SANDWICH ISLANDS REGION
	12	19 18 29.4	3.947	S	99.302	E	33 N	5.0	4.4	1.2	55	SOUTHWEST OF SUMATERA
	12	20 24 22.3	39 300	N	26.281	E	10 G			0.7	12	TURKEY. MD 3.4 (ATH).
	12	20 38 18 6	9.583	N	126.511	E	73 *	5.1		1.1	66	MINDANAO, PHILIPPINE ISLANDS
	12	22 20 06.6*	48.960	N	156.462	E	33 N	4.6		1.0	15	KURIL ISLANDS REGION
	13	01 10 28 3%	43.878	N	12.002	E	10 G			0.4	5	CENTRAL ITALY
	13	02 23 23.9&	36.807	N	121.595	W	6				16	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	13	02 47 41.8?	54.51	N	160.58	E	33 N	4.4		0.8	5	NEAR EAST COAST OF KAMCHATKA
	13	03 37 58.8*	3.747	S	77.051	W	33 N			0.9	8	PERU-ECUADOR BORDER REGION
	13	04 07 04.7*	36.415	N	70.400	E	212 ?	4	1	0.6	8	HINDU KUSH REGION
	13	04 56 38.0	37.751	N	30.203	E	10 G			0.9	8	TURKEY
	13	06 59 20 2?	21.88	S	68.90	W	168 ?	4	6	0.6	8	CHILE-BOLIVIA BORDER REGION
	13	07 39 35.9?	29.50	S	72.21	W	33 N			1.1	12	OFF COAST OF CENTRAL CHILE
	13	07 40 42.8&	57 954	N	153.385	W	60	4.7			52	KODIAK ISLAND REGION. <AGS-P>.
	13	07 44 00.7?	43.06	N	0.71	W	10 G			0.5	4	PYRENEES. MD 1.0 (STR).
a	13	08 41 23.0	51.541	N	177.301	E	33 N	5.0	4.7	0.9	131	RAT ISLANDS, ALEUTIAN ISLANDS. ML 5.4 (PMR). Ms 4.7 (BRK).
	13	09 32 02 5?	15 41	S	173.33	W	33 N	4.6		0.9	18	TONGA ISLANDS
	13	10 27 18 0&	59.835	N	152.611	W	74				24	SOUTHERN ALASKA. <AGS-P>.
	13	11 25 40 6	39.205	N	29.507	E	10 G			1.3	21	TURKEY. MD 3.9 (ATH)
	13	12 08 30 9	21.581	S	170.462	E	186 *	5	1	1.1	36	LOYALTY ISLANDS REGION
	13	12 28 17 2	39.119	N	29.522	E	10 G			0.7	7	TURKEY
	13	12 57 02 7?	39.18	N	27.42	E	10 G			1.0	4	TURKEY
	13	14 06 45 4&	59.167	N	136.880	W	0				24	SOUTHEASTERN ALASKA. <AGS-P>. ML 4.2 (PMR). Felt (IV) at Skagway and (III) at Haines and Juneau.
	13	14 08 44.2?	40.27	N	124.08	W	10 G			1.3	4	NEAR COAST OF NORTHERN CALIF. ML 3.0 (BRK).
	13	14 39 51 1%	59.917	N	6 182	E	10 G			0.2	5	SOUTHERN NORWAY. MD 1.4 (BER).
	13	15 12 53 3&	59.892	N	153.532	W	135				39	SOUTHERN ALASKA. <AGS-P>.
	13	15 54 40 7	4.697	N	94.500	E	56	5.2	4.4	0.9	124	OFF W COAST OF NORTHERN SUMATERA
	13	19 51 57 8*	2.837	S	119 189	E	33 N	4.3		1 4	8	SULAWESI
	13	19 59 34 0%	37.762	N	21.711	E	10 G			1.8	5	SOUTHERN GREECE. ML 3.1 (ATH).
	13	20 16 44.8&	61.864	N	152 028	W	118				28	SOUTHERN ALASKA. <AGS-P>.
	13	21 26 52.3%	39 431	N	27.866	E	10 G			0 6	7	TURKEY
	13	21 40 19 3*	38 650	N	26.053	E	10 G			0.9	5	AEGEAN SEA
	13	22 10 53.2	38 238	N	26.799	E	10 G			1.0	6	AEGEAN SEA. MD 3.0 (ATH).
	13	22 30 23.6?	30.38	S	68.42	W	137 ?			1.0	12	SAN JUAN PROVINCE, ARGENTINA
	13	22 57 09.9*	3.605	S	144.924	E	33 N	3.7	4.0	1.2	9	NEAR N COAST OF PAPUA NEW GUINEA
	13	23 00 52 4&	59.829	N	153.371	W	132				22	SOUTHERN ALASKA. <AGS-P>.
	14	00 08 43.8?	38 78	N	23.48	E	10 G			0.3	4	GREECE. ML 2.9 (ATH).
	14	00 34 18 8	38.261	N	22.144	E	69	4.0		0.6	36	GREECE. MD 3.5 (ATH).
	14	00 44 07.3?	24.45	N	124.84	E	33 N	4.4		1.1	10	SOUTHWESTERN RYUKYU ISLANDS
	14	01 13 19 9	18.256	N	68.082	W	169 *	4.5		0.7	19	MONA PASSAGE. Felt at Guaynabo, Cayey, Mayaguez and Rio Piedras, Puerto Rico.
	14	04 16 33 5	35.109	N	91.272	E	33 N	4.8		1.0	30	QINGHAI PROVINCE, CHINA
a	14	05 38 56 0	5.127	S	102.720	E	46 D	4.9	4.8	1.3	75	SOUTHERN SUMATERA
	14	05 49 04 7*	39.338	N	143.690	E	33 N	4.3		1.5	18	OFF EAST COAST OF HONSHU, JAPAN
a	14	06 07 53.3	27.428	S	71.052	W	33 N	5.5	4.8	1.1	110	NEAR COAST OF NORTHERN CHILE
	14	08 42 40.9?	18.96	N	64.54	W	33 N			0.2	6	VIRGIN ISLANDS
	14	08 54 55.2*	24.450	N	122.037	E	33 N			1.3	9	TAIWAN REGION
	14	09 26 01.8*	43.293	N	18.903	E	10 G			0.2	5	YUGOSLAVIA. ML 2.5 (TTG).
	14	10 39 01.4*	3.920	S	150.043	E	33 N	4	2 3.8	1.1	10	NEW IRELAND REGION
	14	11 29 14 1%	38.495	N	12.399	E	10 G			1.0	13	SICILY. MD 3.1 (ROM). Felt at Trapani.
	14	12 25 49 6?	31.10	S	179.63	E	483 ?	4.1		0.8	15	KERMADEC ISLANDS REGION
	14	12 50 03 4	38.551	N	26.934	E	10 G			1.2	14	AEGEAN SEA. MD 3.5 (ATH).
a	14	14 32 04 1	9.124	S	124.743	E	33 N	5	6 5.4	1.4	127	TIMOR
	14	15 26 14 4*	30 676	S	71.289	W	86 *			1 0	11	NEAR COAST OF CENTRAL CHILE
	14	15 29 58 3	7.525	N	126.628	E	121 *	5.2		1.0	84	MINDANAO, PHILIPPINE ISLANDS
	14	15 50 23 0	44 385	N	7.268	E	10 G			0.4	13	NORTHERN ITALY. ML 2.3 (GEN).
	14	17 33 09 8?	42.87	N	12 90	E	10 G			0.0	4	CENTRAL ITALY. MD 2.2 (SSO).
	14	17 33 50.2&	36 817	N	121.543	W	5				12	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK).
o	14	17 39 33.7	10.116	N	126.521	E	33 N	5	3 4.7	1.2	99	PHILIPPINE ISLANDS REGION
	14	17 52 23.3*	10.125	N	126 372	E	33 N	4.9		0.7	9	PHILIPPINE ISLANDS REGION
	14	17 59 59 9&	59.933	N	149 749	W	1				32	KENAI PENINSULA, ALASKA. <AGS-P>.
	14	18 03 35.3	43 411	N	5.464	E	5 G			0.7	18	NEAR SOUTH COAST OF FRANCE. MD 2.8 (STR).
	14	19 21 08.2*	10 320	S	124.986	E	33 N	4.8		1 2	7	TIMOR
	14	19 26 47.8?	30.30	S	178 25	W	175 ?	5.2		1.2	22	KERMADEC ISLANDS
	14	19 39 27.6&	60.854	N	151.268	W	61				30	KENAI PENINSULA, ALASKA. <AGS-P>.
	14	19 42 11 5	52.817	N	168.195	W	33 N	4	6	0.9	44	FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.3 (PMR).
	14	20 29 29 3?	36 21	N	137 70	E	260 ?			0.4	7	HONSHU, JAPAN
	14	20 41 55 3&	37 073	N	121.832	W	9				12	CENTRAL CALIFORNIA. <BRK> ML 2.8 (BRK).
	14	21 16 42 9&	37 077	N	121.847	W	10				20	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Felt at Santa Cruz.
	14	22 40 21 9	38.320	N	21.984	E	5 G			0.9	9	GREECE. ML 3.1 (ATH)
	14	23 10 05 3?	43.83	N	8.70	E	10 G			0.2	7	CORSICA. ML 2.3 (GEN).
	14	23 31 25 1	43.823	N	8 690	E	10 G			0.8	23	CORSICA. ML 2.6 (GEN), 2.5 (LDG).
	15	00 54 26 1*	40 133	N	29.277	E	10 G			1 5	7	TURKEY
	15	01 02 54 2	46.334	N	7.345	E	10 G			0.9	38	SWITZERLAND ML 2 9 (LDG). MD 2.7 (STR)

	15	01 42 14.5*	33.111	S	69 851	W	109 ?			0 5	12	CHILE-ARGENTINA BORDER REGION
	15	02 54 32.8	48.746	N	19 279	E	10 G			0.7	15	CZECHOSLOVAKIA. ML 3.1 (VKA). Felt (V) at Banska Bystrica, Lubietova, Detva, Hrinova and Slovensko Lupca
	15	03 08 00.2*	3.149	N	31.253	W	10 G	4.8	4.3	0.7	8	CENTRAL MID-ATLANTIC RIDGE
	15	03 15 55.5?	43.81	N	8.85	E	10 G			0.5	8	CORSICA. ML 2.3 (GEN).
	15	03 26 26.1	49.317	N	19.788	E	10 G			0.6	7	POLAND. ML 2.6 (VKA).
	15	03 57 09.6*	32.918	S	69 821	W	117 ?			0 6	13	MENDOZA PROVINCE, ARGENTINA
o	15	04 00 40.6	0.584	S	19.985	W	10 G	5.5	5.0	0.9	273	CENTRAL MID-ATLANTIC RIDGE
	15	04 15 57.0	0.495	S	19.808	W	10 G	5.2	4.8	0 9	128	CENTRAL MID-ATLANTIC RIDGE
	15	06 15 12.3	44 556	N	9 186	E	10 G			0.6	45	NORTHERN ITALY. ML 2.9 (GEN), 3.1 (LDG).
	15	06 59 15.8?	7.02	S	125 44	E	528 ?	3.7		1.1	8	BANDA SEA
	15	07 46 52.3	3.067	S	139.542	E	33 N	5.1	4.3	1.2	58	WEST IRIAN
	15	09 01 06.2%	60.712	N	5 640	E	5 G			0.9	8	SOUTHERN NORWAY ML 1.5 (BER).
	15	10 05 04.1&	37 063	N	121 903	W	12				11	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	15	10 51 34 4	42 351	N	19 234	E	15			0 9	37	YUGOSLAVIA. ML 3.5 (TTG). Felt (V) at Titograd and (IV) at Budva
	15	12 12 35.9?	31.38	S	68.34	W	96 ?			0.3	5	SAN JUAN PROVINCE, ARGENTINA
	15	13 17 56.3	29.247	N	141.200	E	33 N	4.7		1.1	49	SOUTH OF HONSHU, JAPAN
	15	13 41 48 4*	42.462	N	23 975	E	10 G			0 6	5	BULGARIA
	15	14 02 16.3*	49.472	N	8.545	E	10 G			1.6	10	GERMANY. MD 2.8 (STR). ML 3.3 (LDG).
	15	14 33 23 9*	5.571	S	150 523	E	33 N	3.4		0.3	5	NEW BRITAIN REGION
	15	14 33 33.1?	5.20	S	151.49	E	33 N	4.9	3.7	1.3	7	NEW BRITAIN REGION
	15	16 48 22.2%	59.910	N	6.190	E	10 G			0.4	7	SOUTHERN NORWAY. ML 1.8 (BER).
	15	17 14 57.6*	13.946	S	74.589	W	33 N			0.7	8	PERU
	15	18 01 09.0?	44.22	N	7.16	E	10 G			0.1	5	NORTHERN ITALY. MD 1.0 (STR).
	15	18 25 25 7%	38.717	N	16.097	E	33 N			0.6	13	SOUTHERN ITALY
	15	18 26 43.9&	61.784	N	150 821	W	64				31	SOUTHERN ALASKA <AGS-P>
	15	18 30 57.9%	30.664	S	117.277	E	10 G			1.5	8	WESTERN AUSTRALIA
	15	18 31 45.1	39.818	N	143.040	E	33 N	4.8	4.2	1.0	44	OFF EAST COAST OF HONSHU, JAPAN
o	15	19 19 57.6	52.204	S	160.031	E	10 G	5.7	5.3	1.5	91	MACQUARIE ISLANDS REGION
	15	19 40 44.7*	37.837	N	30.422	E	10 G			0.8	5	TURKEY
	15	20 20 00.1&	37.107	N	116.013	W	0				17	SOUTHERN NEVADA. <DOE> ML 3.4 (NEIS). 37° 06' 23.46" N., 116° 00' 48.16" W., Surface Elev. 1338 m., Depth of Burial 200 m., Shot Time 202000.119, "MULESHOE," Nevada Test Site (Dept of Energy).
	15	20 20 22 4?	20.38	S	175 00	W	33 N	4.8		1.4	17	TONGA ISLANDS
	15	21 11 27 7	41.790	N	12 750	E	5 G			0.9	12	SOUTHERN ITALY
	15	21 30 30.2?	31.21	S	177.51	W	33 N	5.0		1.4	8	KERMADEC ISLANDS REGION
	15	22 00 12.5	43.413	N	5 466	E	5 G			0.4	15	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	16	00 40 42.6&	62.138	N	148 227	W	0				10	CENTRAL ALASKA. <AGS-P>.
	16	01 40 43.8*	26.153	N	130 750	E	33 N	4.6		1.2	12	RYUKYU ISLANDS REGION
	16	03 31 11 3	44 645	N	9.188	E	5 G			0.4	12	NORTHERN ITALY. ML 2.6 (GEN).
	16	03 56 52.2	40.169	N	24.997	E	10 G			0.8	11	AEGEAN SEA. MD 2.9 (ATH).
	16	04 02 58.6	33.403	N	131.416	E	33 N	4.3		1.1	13	KYUSHU, JAPAN
	16	04 11 09.3*	55.702	N	162.192	E	33 N	4.4		0.9	12	NEAR EAST COAST OF KAMCHATKA
	16	04 59 29.2&	37.177	N	122.057	W	11				15	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK).
	16	05 40 58.9?	8 11	S	127.93	E	127 ?	4.2		0.8	6	TIMOR
	16	06 51 43.5?	51.18	N	19 58	E	10 G			1.0	6	POLAND
	16	06 52 25 1	5.988	S	122 723	E	33 N	4.4		1 1	15	SULAWESI
	16	07 27 53 7?	15.06	N	60.38	W	33 N			0.3	7	LEEWARD ISLANDS. ML 2.8 (FDF)
	16	08 15 39.5*	31.749	S	71.842	W	10 G			0.4	13	NEAR COAST OF CENTRAL CHILE
	16	08 32 37.7	39.865	N	77.274	E	33 N	4.9		1.4	28	SOUTHERN XINJIANG, CHINA. ML 4.9 (BJI).
o	16	08 39 42 7	17.760	S	178.990	W	538 G	5.7		1.0	434	FIJI ISLANDS REGION. mb 6.0 (BRK). Depth from broadband displacement seismograms
	16	08 54 41.6	17.701	S	179.024	W	544	5.0		0.8	61	FIJI ISLANDS REGION
	16	08 58 39.0?	41.84	N	19.14	E	5 G			1.3	5	ALBANIA. ML 2.7 (TTG).
	16	09 18 25.2?	5.94	S	122 72	E	33 N	4.3		0.5	7	SULAWESI
	16	09 24 52.0&	46.570	N	76.590	W	18 G				13	SOUTHERN QUEBEC <OTT-P> mbLg 4 0 (OTT). Felt in western Quebec and the Ottawa Valley
	16	09 44 44.9*	38.758	N	27.421	E	33 N			0.9	5	TURKEY
	16	10 05 27.8%	40.315	N	29 451	E	10 G			0 4	6	TURKEY
	16	10 09 50.8*	31.432	S	68.600	W	81 ?			0.2	7	SAN JUAN PROVINCE, ARGENTINA
	16	10 33 40.1?	10.33	S	124.75	E	107 ?			0.5	5	TIMOR
	16	10 56 09.5%	44.578	N	10.588	E	10 G			0.7	7	NORTHERN ITALY
	16	12 35 40.6?	44.25	N	7.41	E	10 G			0.2	4	NORTHERN ITALY. ML 1.7 (GEN).
	16	12 37 36.0%	39.571	N	26 397	E	10 G			1.2	5	TURKEY
	16	13 38 09.8	41.968	N	23 076	E	10 G			1.1	9	GREECE-BULGARIA BORDER REGION. ML 2.9 (SKO).
	16	14 27 59.7	37.856	N	21 302	E	10 G			1.0	8	SOUTHERN GREECE. ML 3.3 (ATH).
	16	14 33 35.8?	39.82	N	25.33	E	10 G			0.2	5	AEGEAN SEA
	16	15 33 16.3	61.401	N	150 474	W	67 *			0.6	14	SOUTHERN ALASKA
	16	16 07 48.5?	11.52	N	62 07	W	33 N			0.5	4	WINDWARD ISLANDS. MD 2.6 (TRN).
	16	16 21 18.8	49.156	N	8 501	E	10 G			0.3	7	GERMANY. ML 2.8 (LDG).
	16	16 48 01.9?	33 94	S	179.05	W	33 N	4.7		0 9	6	SOUTH OF KERMADEC ISLANDS
	16	16 56 49.7*	45 822	N	26 728	E	97 *			0.8	9	ROMANIA
	16	17 10 14.2&	36.930	N	121.760	W	10				10	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	16	20 08 05.9&	59 467	N	151.842	W	51				24	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.2 (PMR).
	16	20 40 33.5*	45 532	N	27 072	E	33 N			0 6	5	ROMANIA
	16	20 44 19 4?	12.07	S	166 65	E	115 ?	4.9		1 4	15	SANTA CRUZ ISLANDS
	16	20 50 34.3&	36 447	N	121 058	W	7				12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	16	21 22 08 2&	59.883	N	153 068	W	112				49	SOUTHERN ALASKA <AGS-P>.
	16	22 30 39.9	38.858	N	24 866	E	33 N			0 9	11	AEGEAN SEA. ML 3.1 (ATH).
	16	23 06 40.4	32.816	S	69 910	W	131 *			0 6	18	MENDOZA PROVINCE, ARGENTINA
	16	23 07 47.5?	10.28	N	126 48	E	33 N	4.6		0 6	7	PHILIPPINE ISLANDS REGION
	17	00 18 49.7	43.362	N	12.378	E	29			0 7	19	CENTRAL ITALY MD 2 7 (SSO).
	17	00 26 41 6	38.998	N	28 0[illegible]	E	10 G			1 2	7	TURKEY
	17	00 54 17 0	47 468	N	11 880	E	12			1 2	121	AUSTRIA ML 4 5 (FUR), 4 3 (VKA), 4.1 (GRF), 3.9 (LDG). Felt (V) at Woergl and Rattenberg
	17	00 57 00 0&	61 700	N	149 612	W	32				30	SOUTHERN ALASKA <AGS-P>
	17	00 57 45.9*	1 186	S	148.500	E	33 N	4.2	4.0	0 6	8	ADMIRALTY ISLANDS REGION
	17	01 11 10 6	43.322	N	12.294	E	10 G			0 8	7	CENTRAL ITALY
	17	01 22 05 8	43.388	N	12 232	E	10 G			1 2	11	CENTRAL ITALY
	17	03 15 43 8?	11.02	N	61 85	W	33 N			0 2	4	WINDWARD ISLANDS

	17	04	01	04.8*	59.197	S	25.683	W	33	N	5.1	0.9	19 SOUTH SANDWICH ISLANDS REGION
a	17	04	05	18.5	80.588	N	122.132	E	10	G	5.1 5.3	1.0	246 EAST OF SEVERNAYA ZEMLYA. Ms 5.5 (BRK).
	17	04	59	10.1&	61.440	N	141.703	W	0				10 SOUTHERN ALASKA. <AGS-P>.
	17	05	00	18.9?	31.17	S	67 93	W	10	G		0.6	5 SAN JUAN PROVINCE, ARGENTINA
	17	05	21	18.3	18.793	S	169.141	E	221		4.9	0.9	108 VANUATU ISLANDS
	17	05	48	30.1&	61.349	N	152.015	W	13				52 SOUTHERN ALASKA. <AGS-P>. ML 3.4 (PMR).
	17	06	53	50.6?	41.59	N	12.70	E	10	G		0.4	7 SOUTHERN ITALY
	17	08	00	51.6	39.507	N	143.210	E	17	D	4.9 4.5	1.1	67 OFF EAST COAST OF HONSHU, JAPAN
	17	11	29	37.1%	60.633	N	6.296	E	10	G		1.4	7 SOUTHERN NORWAY. ML 1.3 (BER).
	17	11	57	52.6	39.557	N	143.588	E	26		4.3	0.9	22 OFF EAST COAST OF HONSHU, JAPAN
	17	13	21	21.6?	39.69	N	28.21	E	10	G		0.4	4 TURKEY
	17	13	36	27.8?	71.49	N	5 38	W	10	G	4.4	0.8	8 JAN MAYEN ISLAND REGION
	17	13	39	14.6	46.236	N	7.435	E	10	G		1.2	14 SWITZERLAND. ML 2.7 (LDG).
a	17	15	35	57.8	17.385	S	167.931	E	28	D	5.4 5 3	1.4	211 VANUATU ISLANDS. Ms 5.7 (BRK).
	17	16	09	20.6*	2.927	N	127.510	E	33	N	4.4	1.5	21 MOLUCCA PASSAGE
	17	16	13	17.0?	16.82	N	99.87	W	33	N		1.3	6 NEAR COAST OF GUERRERO, MEXICO
	17	16	45	04.3	24.898	S	179.994	E	483	*	4.9	1.0	72 SOUTH OF FIJI ISLANDS
	17	17	55	52.3*	39.022	N	19.967	E	10	G		1.2	8 GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
	17	19	12	57.4	8.703	S	106.356	E	24	D	5.1 4.1	1.4	45 SOUTH OF JAVA
	17	19	32	19.0&	37.048	N	121.778	W	11				11 CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK).
	17	20	05	59.1*	38.956	N	29.213	E	10	G		1.3	6 TURKEY
	17	20	15	03.6*	37.051	N	71.337	E	101	?	4.1	1.5	7 AFGHANISTAN-USSR BORDER REGION
	17	20	18	42.3?	41.64	N	12.63	E	10	G		0.4	7 SOUTHERN ITALY
	17	20	48	40.5*	15.661	N	60.655	W	33	N		1.6	9 LEEWARD ISLANDS. ML 2.7 (FDF).
	17	21	09	26.0?	33.43	S	72.68	W	33	N		1.1	11 OFF COAST OF CENTRAL CHILE
	17	21	55	31.5&	60.418	N	147.734	W	9				25 SOUTHERN ALASKA. <AGS-P>.
	17	22	09	31.5*	17.344	N	100.234	W	33	N		1.1	7 GUERRERO, MEXICO
	17	22	12	06.3?	38.16	N	14.75	E	10	G		0.6	4 SICILY
	17	22	16	05.1?	41.75	N	12.77	E	10	G		0.2	4 SOUTHERN ITALY
a	17	22	46	33.8	58.909	S	16 056	W	24	D	5.7 4.8	0.9	42 SOUTHWESTERN ATLANTIC OCEAN
	17	22	46	51.6*	65.087	N	164.713	W	5	G		1.1	6 ALASKA. ML 3.5 (PMR).
	17	23	24	17.1?	15.90	N	144.05	E	33	N	4.4	1.4	8 MARIANA ISLANDS REGION
	18	00	28	36.3?	33.28	S	72.68	W	33	N		0.5	9 OFF COAST OF CENTRAL CHILE
	18	00	34	06.2?	33 40	S	72.21	W	33	N		0.6	10 OFF COAST OF CENTRAL CHILE
	18	01	50	09.2	45.863	N	7.206	E	10	G		0.7	16 NORTHERN ITALY. ML 2.7 (GEN), 2.6 (LDG).
	18	02	52	44.9?	33.04	S	70.29	W	103	?		0.3	9 CHILE-ARGENTINA BORDER REGION
	18	03	27	49.8*	24.021	N	121.891	E	29		4.3	1 6	20 TAIWAN. ML 4.2 (BJI).
	18	04	50	16.0	40.196	N	143.823	E	29	D	4 6 4 6	0.9	34 OFF EAST COAST OF HONSHU, JAPAN
	18	04	52	25.5	43.426	N	0 807	W	10	G		0.7	9 PYRENEES. ML 2.8 (LDG).
	18	05	03	16.7	40.670	N	29.203	E	10	G		0.6	7 TURKEY
	18	05	19	31.7?	33.39	S	72 51	W	33	N		1 1	13 OFF COAST OF CENTRAL CHILE
	18	07	19	16.2	40.033	N	21 875	E	10	G		1.5	10 GREECE. MD 3 1 (ATH).
	18	07	22	46.4	39.818	N	20 060	E	10	G		1 5	11 GREECE-ALBANIA BORDER REGION. MD 3 1 (ATH).
	18	07	32	20.8	42.538	N	144.174	E	54	D	4.9	1.1	84 HOKKAIDO, JAPAN REGION
	18	08	00	10.1	32.694	S	70.125	W	91	?		0.5	15 CHILE-ARGENTINA BORDER REGION
	18	09	02	19.4	41.772	N	20.190	E	10	G		0.8	15 ALBANIA. ML 2.9 (SKO), 2.7 (TTG).
	18	09	18	10.4*	38.273	N	118.640	W	5	G		1.2	6 CALIFORNIA-NEVADA BORDER REGION. ML 2.6 (BRK).
	18	09	35	09.5&	60.104	N	152.043	W	67				33 SOUTHERN ALASKA. <AGS-P>.
	18	09	38	20 2	37.255	N	20.471	E	10	G		0.9	24 IONIAN SEA. ML 3.5 (ATH). MD 3.7 (ATH).
	18	09	42	06.5?	33.31	S	72.55	W	33	N		0.7	8 OFF COAST OF CENTRAL CHILE
	18	11	04	40.0*	37.106	N	28.052	E	10	G		0.2	5 TURKEY
	18	11	08	56.0*	37.750	N	27 258	E	10	G		1.5	5 TURKEY
	18	12	31	55.7*	40.775	N	25.233	E	10	G		1.5	9 AEGEAN SEA
	18	13	45	36.6*	43.379	N	12 442	E	10	G		0.7	5 CENTRAL ITALY
	18	13	57	15.9%	31.114	S	68.959	W	33	N		1.4	6 SAN JUAN PROVINCE, ARGENTINA
	18	14	51	46 4*	5.847	S	153.334	E	33	N	4.2	1.4	5 NEW IRELAND REGION
	18	15	42	54 0?	16.86	N	99.53	W	33	N		1.5	6 NEAR COAST OF GUERRERO, MEXICO
a	18	15	56	50.7	42 867	N	145.062	E	44	D	5.6 4.9	0.8	299 HOKKAIDO, JAPAN REGION
	18	16	50	29.8&	63.810	N	148.994	W	116				31 CENTRAL ALASKA <AGS-P>
	18	17	19	59 0*	18.244	N	82.057	W	10	G	5.1	1.2	41 CARIBBEAN SEA
	18	17	33	52.5	28.438	N	104.795	E	33	N	4.2	1.3	12 SICHUAN PROVINCE, CHINA. ML 4.5 (BJI).
	18	18	24	32.4?	44.45	N	6 81	E	10	G		0.1	4 FRANCE. ML 1.8 (GEN).
	18	19	15	43 8	39.202	N	21.704	E	33	N		1.4	10 GREECE. MD 3.1 (ATH).
	18	19	20	19.1?	40.82	N	28.17	E	10	G		0.4	4 TURKEY
a	18	20	09	39.3	0.138	S	125.238	E	67	D	5.1	1.4	67 MOLUCCA SEA
	18	20	14	28.6	9.288	N	126.388	E	33	N	5.1	1.0	51 MINDANAO, PHILIPPINE ISLANDS
	18	20	20	57.9	43.619	N	18.858	E	10	G		1.4	54 YUGOSLAVIA. MD 4.3 (TRI), ML 3.6 (VKA), 3.5 (KBA). Felt (V) at Garazde and Foca.
	18	20	22	10 8*	43.494	N	18 899	E	10	G		1.5	8 YUGOSLAVIA. MD 3.0 (TTG).
	18	21	10	03.6%	59.459	N	6.724	E	10	G		0.6	8 SOUTHERN NORWAY. ML 2.0 (BER).
	18	21	32	54.9	34.313	N	25.041	E	24	D	4.1	1.4	91 CRETE. ML 4.5 (CSS), 4.2 (ATH).
	18	22	11	22.8	40.836	N	28 148	E	10	G		0.5	8 TURKEY
	18	22	43	47.5%	10.641	N	60.718	W	33	N		0.4	6 TRINIDAD. MD 3.1 (TRN).
	18	23	07	31 4	45 849	N	14.147	E	10	G		1.5	10 YUGOSLAVIA. ML 3.0 (ZAG), 2 9 (KBA). MD 2.8 (TRI). Felt at Crni Vrh and Idrija
	18	23	59	01.5*	31.319	S	68.873	W	116	?		1.0	14 SAN JUAN PROVINCE, ARGENTINA
	19	00	08	03.9?	8.85	S	115 34	E	153	?	3.5	0.3	5 BALI ISLAND REGION
	19	00	47	12.0*	43.680	N	19.381	E	10	G		1.6	14 YUGOSLAVIA. MD 2.8 (TTG).
	19	01	09	53 8?	41.71	N	12 70	E	10	G		0.2	5 SOUTHERN ITALY
	19	01	52	40.2	11.546	N	61.814	W	33	N		1.4	14 WINDWARD ISLANDS. MD 3.9 (TRN).
	19	02	29	20 6?	16.73	S	69 60	W	196	*		0.5	6 PERU-BOLIVIA BORDER REGION
	19	03	06	54 1*	10.532	N	62 256	W	10	G		0.9	7 NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
	19	03	13	22.2	3.750	N	83.214	W	33	N	4.6	0 7	8 OFF COAST OF CENTRAL AMERICA
	19	03	21	13 6	38.055	N	107.767	W	5	G		1 1	17 COLORADO. ML 3 0 (NEIS). Felt at Silverton.
	19	03	30	15 7*	37.581	N	71.819	E	33	N	4.6	1.5	15 AFGHANISTAN-USSR BORDER REGION
	19	03	40	24 4	42.870	N	12.910	E	12			1.2	90 CENTRAL ITALY. ML 4.3 (KBA), 3.8 (LDG), 3.6 (ROM). MD 4 0 (TRI), 3 8 (FIR), 3.7 (SSO).
	19	03	43	15.1	42.879	N	12.953	E	12			0 9	47 CENTRAL ITALY ML 4 1 (KBA), 3.7 (LDG). MD 3.8 (TRI), 3.7 (ROM)
a	19	03	57	13.0	11.343	S	118.021	E	25	D	5.3 4.3	1 4	69 SOUTH OF SUMBAWA ISLAND. Felt (II) at Kahang-Kahang, Bali.
	19	03	57	31.3*	34.116	N	8.653	E	10	G	4.4	1.3	26 TUNISIA
	19	04	15	39.4?	41.73	N	12.72	E	10	G		0.1	4 SOUTHERN ITALY

	19	04	29	23.4	36.425	N	70.777	E	198		4 8	0.9	152	HINDU KUSH REGION
	19	05	18	16.3	42.878	N	12.990	E	10	G		0.2	6	CENTRAL ITALY. MD 2.5 (SSO).
	19	05	42	52.7*	42.883	N	12.979	E	10	G		0.3	5	CENTRAL ITALY
	19	06	46	22.4	38.384	N	22.048	E	10	G		1.2	10	GREECE. MD 3.2 (ATH).
	19	07	30	33.4	38.663	N	26.080	E	10	G		1.1	10	AEGEAN SEA. MD 3.2 (ATH).
	19	07	34	07.6*	42.879	N	12.950	E	10	G		0.2	5	CENTRAL ITALY. MD 2.4 (SSO).
	19	08	51	40.5%	37.859	N	14.189	E	10	G		1.0	16	SICILY
	19	08	56	04.4%	40.540	N	28.789	E	10	G		0.2	5	TURKEY
	19	09	10	39.2%	39.228	N	27.722	E	10	G		0.2	5	TURKEY
	19	11	11	15.1*	12.071	N	143.669	E	33	N	4.5	1.0	15	SOUTH OF MARIANA ISLANDS
a	19	12	42	55.3	6.575	S	154.107	E	48	D	5.3 5.6	1.5	132	SOLOMON ISLANDS. Ms 6.0 (BRK).
	19	13	09	27.9*	42.876	N	12.975	E	10	G		0.3	5	CENTRAL ITALY. MD 2.4 (SSO).
	19	13	19	27.4?	43.42	N	6.86	E	10	G		0.2	4	NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
	19	14	14	08.3*	17.986	N	101.363	W	33	N	4.0	1.3	8	NEAR COAST OF GUERRERO, MEXICO
	19	14	45	12.6*	6.254	S	130.386	E	131	*	4.5	1.3	20	BANDA SEA
	19	14	48	15.1	41.949	N	19.134	E	10	G		0.5	13	ALBANIA. ML 2.4 (TTG).
	19	16	06	14.8*	18.500	N	81.689	W	33	N	4.4	1 1	23	CARIBBEAN SEA
	19	16	29	39.0*	31.131	S	68.834	W	33	N		1.4	7	SAN JUAN PROVINCE, ARGENTINA
	19	17	04	19.7*	0.018	S	123.205	E	145	*	4.8	1.1	19	MINAHASSA PENINSULA
	19	17	20	06.6?	44.85	N	137.26	E	310	?	4.2	1.6	11	EASTERN SEA OF JAPAN
	19	17	35	57.5	6.448	S	154.003	E	63	*	4.3	0.9	14	SOLOMON ISLANDS
	19	19	05	02.7&	59.021	N	145.757	W	10	G			26	GULF OF ALASKA. <AGS-P>.
	19	19	30	15.6*	36.056	N	27.127	E	33	N		1.4	7	DODECANESE ISLANDS MD 3.5 (ATH).
	19	20	46	21.6	42.882	N	12.901	E	16			1.0	46	CENTRAL ITALY. MD 3.9 (TRI), 3.7 (ROM). ML 3.7 (KBA), 3.6 (LDG).
	19	21	20	58.7	46.884	N	8.453	E	10	G		1.0	19	SWITZERLAND. ML 2.6 (LDG).
	19	21	38	54.7?	38.21	N	17.09	E	10	G		1.7	5	SOUTHERN ITALY
	19	23	10	38.1	45.591	N	14.226	E	10	G		0 8	8	YUGOSLAVIA. ML 2.9 (KBA), 2.5 (ZAG). MD 3.0 (TRI). Felt at Ilirska Bistrica.
	19	23	10	45.5	45.559	N	14.144	E	10	G		1.4	14	YUGOSLAVIA. ML 3.2 (VKA), 3.1 (KBA). Felt at Rijeka.
	19	23	58	38.3	9.181	S	119.512	E	51	*	4.5	1.1	23	SUMBA ISLAND REGION
	20	00	29	31.4*	31.571	S	68.189	W	10	G		0.3	5	SAN JUAN PROVINCE, ARGENTINA
	20	02	52	08.1%	26.882	S	26.681	E	5	G		1.2	5	REPUBLIC OF SOUTH AFRICA
	20	03	18	42.5	29.939	N	106.832	E	33	N	4.6	1.2	22	SICHUAN PROVINCE, CHINA. ML 4.5 (BJI). Felt in Jiangbei County.
	20	03	21	07.8	29.882	N	106.804	E	33	N	5.2 4.7	0.9	177	SICHUAN PROVINCE, CHINA. Four people killed, 161 injured and at least 1,000 homes destroyed in Jiangbei County.
	20	03	25	26.6%	39.177	N	16.396	E	10	G		0.5	6	SOUTHERN ITALY
	20	03	30	09.3	35.740	N	22.465	E	10	G		1.2	16	MEDITERRANEAN SEA. ML 3.6 (ATH).
	20	03	51	38.0&	40.437	N	125.368	W	6				15	OFF COAST OF NORTHERN CALIFORNIA <BRK>. ML 3.5 (BRK).
	20	03	53	19.8	32.024	S	69.016	W	106			1.2	20	MENDOZA PROVINCE, ARGENTINA
	20	04	18	21.1?	16.50	N	99 60	W	33	N		0 1	4	NEAR COAST OF GUERRERO, MEXICO
a	20	04	19	04.6	29.892	N	57.718	E	18	D	5.6 5.7	1.1	312	SOUTHERN IRAN. Ms 5.5 (BRK). At least three people were killed, 45 injured and damage in the Shahdad area.
	20	04	26	58.0*	14.554	S	178.041	W	376	*	4.8	0.9	44	FIJI ISLANDS REGION
	20	05	48	15.9*	15.265	S	166.906	E	33	N		0.9	8	VANUATU ISLANDS
	20	06	05	30.9*	51.160	N	15.891	E	10	G	4.9	0.8	5	POLAND
	20	07	42	33.5%	18.218	N	66.831	W	10	G		0.3	5	PUERTO RICO REGION. Felt in the Lajas area.
	20	07	54	20.8%	37.777	N	15.003	E	33	N		1 4	5	SICILY
	20	09	54	30.0%	40.384	N	28.318	E	10	G		0.5	8	TURKEY
	20	10	07	11.7	23.678	N	120.922	E	10	G		0.8	10	TAIWAN
	20	11	12	03.6?	39.24	N	27 74	E	10	G		0.6	4	TURKEY
	20	11	18	42.3*	6.523	S	146.040	E	12		4.5	0.8	9	EAST PAPUA NEW GUINEA REGION
	20	11	36	03.7?	6.75	S	147.49	E	81	*	4.1	1.0	7	EAST PAPUA NEW GUINEA REGION
	20	11	54	08.0	23.716	S	179.994	E	521		5.0	0.9	78	SOUTH OF FIJI ISLANDS
	20	12	01	48.8*	32.676	S	68.584	W	33	N		0.6	7	MENDOZA PROVINCE, ARGENTINA
	20	12	19	30.8*	30.581	N	60.110	E	33	N	4.5	1.4	19	IRAN
	20	14	36	59.0	6.923	S	129.833	E	183	D	5.0	1.0	67	BANDA SEA
	20	15	16	33.6*	42.849	N	12.950	E	10	G		0.7	5	CENTRAL ITALY. MD 2.4 (SSO).
	20	17	28	58.3	21.851	S	138.964	W	0	G	5.3	1.0	87	TUAMOTU ARCHIPELAGO REGION
	20	17	39	57.7&	36.893	N	121.667	W	8				16	CENTRAL CALIFORNIA <BRK>. ML 2.8 (BRK).
	20	17	49	45.7?	32.14	S	71.94	W	10	G		0.7	9	NEAR COAST OF CENTRAL CHILE
	20	18	34	34.6*	42.868	N	12.976	E	10	G		0.4	5	CENTRAL ITALY. MD 2.2 (SSO).
	20	18	35	43.2*	9.794	S	118.593	E	33	N	3.9	1.2	7	SUMBAWA ISLAND REGION
	20	18	42	14.2*	24.220	S	67.099	W	190	*	4.6	1.1	14	CHILE-ARGENTINA BORDER REGION
o	20	18	55	03.3	27.966	N	129.398	E	35	D	5.3	1.1	174	RYUKYU ISLANDS
	20	20	27	58.6*	2.932	N	128.510	E	33	N	4.3	0.6	15	HALMAHERA
	20	20	30	36.5%	31.125	S	69.117	W	33	N		1.0	6	SAN JUAN PROVINCE, ARGENTINA
	20	20	44	09.6	38.657	N	26.144	E	10	G		0.4	6	AEGEAN SEA. MD 3.1 (ATH).
a	20	21	26	38.6	6.221	S	131.481	E	72		5.2	1.1	78	TANIMBAR ISLANDS REGION
	20	21	43	53.9?	51.53	N	16 41	E	10	G		0.3	9	POLAND ML 3.9 (VKA), 3.7 (KBA).
	20	21	49	29.7*	42.878	N	12.963	E	10	G		0.2	5	CENTRAL ITALY. MD 2.1 (SSO).
	20	22	34	42.3?	34.29	S	70.91	W	69	?		0 3	8	CHILE-ARGENTINA BORDER REGION
	20	23	07	39.2	11.224	N	60.635	W	39	*		0.6	17	WINDWARD ISLANDS. MD 3.4 (TRN).
	20	23	48	29.1?	14.71	N	93 00	W	58	*	4.3	1.2	11	NEAR COAST OF CHIAPAS, MEXICO
	21	00	48	49.8	6.450	S	154.191	E	81	*	4 7	1.2	32	SOLOMON ISLANDS
	21	00	52	07.3?	32.79	N	35.85	E	10	G		0.5	7	DEAD SEA REGION
	21	01	41	15.2?	23.97	N	122.65	E	10	G		1.5	5	TAIWAN REGION
	21	02	05	08.0*	20.750	S	173.671	W	33	N	4.9	1.2	28	TONGA ISLANDS
	21	02	13	10.6	15.867	S	172.765	W	33	N	5.4 4.9	1.0	102	SAMOA ISLANDS REGION
	21	02	36	47.8	44.635	N	148.202	E	53	D	5 5	0.8	262	KURIL ISLANDS. Felt (IV) at Burevestnik, Gornyy and Goryachiy; (III) at Kitovyy, Kurilsk and Reydovo; (II) at Yuzhno-Kurilsk and Malokurilsk.
a	21	03	10	23.6	28.975	S	177.529	W	56	D	5.5	1 0	218	KERMADEC ISLANDS REGION. Ms 5.5 (BRK).
	21	04	47	07.1	40.055	N	142.324	E	49	D	4.9 3.6	1.0	88	NEAR EAST COAST OF HONSHU, JAPAN
	21	04	52	15.2?	45 12	N	3.16	E	10	G		0 7	5	FRANCE. ML 2.1 (LDG)
	21	05	58	39.7?	38.01	N	20.05	E	10	G		1 0	6	GREECE MD 3 3 (ATH)
	21	08	29	27.9?	44.15	N	7.72	E	10	G		0 7	4	NORTHERN ITALY
	21	08	38	11.0%	44.210	N	7.419	E	10	G		0.3	5	NORTHERN ITALY. ML 1.8 (GEN).
a	21	09	00	48.5	3.279	S	139.574	E	44	D	4.8 4.5	1.3	52	WEST IRIAN
	21	09	00	55.1?	33.15	S	72.37	W	5	G		0.3	8	OFF COAST OF CENTRAL CHILE
	21	10	13	18.9	39.621	N	143.141	E	25	D	4.9 4.4	1.3	56	OFF EAST COAST OF HONSHU, JAPAN

a	21	10 42 39.3	19.172	S	177.944	W	521		4.9		1.0	88	FIJI ISLANDS REGION
	21	12 01 02.4%	39 031	N	27.787	E	10	G			0.6	6	TURKEY
	21	12 15 45.4%	39.463	N	28.993	E	10	G			1.0	6	TURKEY
	21	12 25 37.8*	42.904	N	12.986	E	10	G			0.4	5	CENTRAL ITALY. MD 1.9 (SSO).
	21	12 33 27.2%	44.269	N	7.428	E	10	G			0.4	6	NORTHERN ITALY. ML 2.3 (GEN).
	21	14 31 55.7%	59.022	N	5.950	E	10	G			0.4	7	SOUTHERN NORWAY. MD 1.6 (BER).
a	21	14 37 42.6	50.053	S	162.592	E	27	D	5.6	5.8	1.3	55	AUCKLAND ISLANDS REGION
	21	14 44 02.0	39.339	N	25.527	E	13				0.8	36	AEGEAN SEA. ML 3.4 (ATH).
	21	14 48 41 0	39.374	N	26.017	E	7				1.2	27	TURKEY. MD 3.3 (ATH).
	21	15 09 05.6?	58.78	N	5.78	E	10	G			0.9	8	SOUTHERN NORWAY. MD 2.0 (BER).
	21	17 22 22.9?	46.22	N	2.60	E	10	G			0.1	4	FRANCE. MD 2.3 (STR).
	21	17 27 01 5?	16.42	N	60 72	W	33	N			0.3	5	LEEWARD ISLANDS. ML 2.5 (FDF).
	21	17 57 31 4?	51.57	N	16.16	E	10	G			0.5	9	POLAND ML 3.7 (VKA), 3.5 (KBA).
	21	18 36 05 0	38 128	N	15.914	E	10	G	4	1	1.3	50	SICILY Felt strongly in the Reggio di Calabria and Messina areas.
	21	18 56 44 3*	51 050	N	15.749	E	5	G			1.4	7	POLAND ML 3.6 (VKA), 3.3 (KBA).
	21	20 01 02.1?	42.89	N	13.06	E	10	G			0.7	4	CENTRAL ITALY
a	21	20 36 19.1	0.640	S	19.790	W	10	G	5.5	5.3	0.9	273	CENTRAL MID-ATLANTIC RIDGE
	21	20 38 37.1?	41.86	N	14.06	E	10	G			1.3	4	SOUTHERN ITALY
	21	21 35 46.0	35.442	N	22.272	E	33	N	3.8		1.3	37	MEDITERRANEAN SEA. ML 3.8 (ATH).
	21	21 52 53.6	47.289	N	14.503	E	10				1.0	49	AUSTRIA. ML 4.1 (VKA), 3.4 (KBA), 3.6 (ZAG), 3.5 (LDG). Felt (V) at Judenberg.
	21	22 01 45 1*	7.015	N	82.362	W	18		4.5		0.9	11	SOUTH OF PANAMA
	21	22 31 20.2&	61.840	N	146.322	W	48					15	SOUTHERN ALASKA. <AGS-P>. ML 3.2 (PMR).
	21	23 25 12.7?	43.00	N	18.84	E	10	G			0.6	4	YUGOSLAVIA. ML 2.0 (TTG).
	21	23 56 49.7*	39.074	N	29.853	E	10	G			1.7	7	TURKEY
	22	00 24 53.6?	14.23	S	75.59	W	33	N			0.8	5	NEAR COAST OF PERU
	22	01 19 22.1&	59.902	N	153 082	W	105					25	SOUTHERN ALASKA. <AGS-P>.
	22	01 40 55 0*	38.141	N	143.423	E	33	N	4.2		0.8	11	OFF EAST COAST OF HONSHU, JAPAN
	22	01 42 44.8%	39.712	N	16.538	E	10	G			1.0	9	SOUTHERN ITALY
	22	01 52 38.5	39.304	N	29.282	E	10	G			1.1	8	TURKEY
	22	04 25 19.9	1 153	S	15 950	W	10	G	4.8	4.7	0.8	29	NORTH OF ASCENSION ISLAND
a	22	05 46 32 4	0.560	S	19.714	W	10	G	5.2	4.6	0.9	147	CENTRAL MID-ATLANTIC RIDGE
	22	07 11 45.3?	14.74	S	70.74	W	192	*			1.4	7	PERU
	22	09 57 20 8?	15.81	N	99.26	W	33	N			1.1	5	OFF COAST OF GUERRERO, MEXICO
	22	10 43 39 3?	15.98	N	99.29	W	33	N			1.4	5	OFF COAST OF GUERRERO, MEXICO
	22	11 41 22.0	43.168	N	0.347	W	10	G			0.9	20	PYRENEES. ML 3.5 (LDG) Felt (IV) at Castet and (III) in the Bearn district, France.
	22	13 18 12.3%	33.658	S	71.233	W	33	N			0.8	10	NEAR COAST OF CENTRAL CHILE
	22	14 01 44.4?	39.08	N	27.66	E	10	G			0.4	4	TURKEY
	22	15 35 24.1	31.910	S	69 613	W	122	?			0.7	15	SAN JUAN PROVINCE, ARGENTINA
	22	16 35 18 9?	37.17	N	28.19	E	33	N			0.7	4	TURKEY
	22	16 39 42.3	36.068	N	28.327	E	10	G			0.6	10	DODECANESE ISLANDS
	22	17 05 55 6?	25.56	N	129.98	E	33	N			0.8	9	RYUKYU ISLANDS REGION
	22	18 26 54 9*	33.856	S	70 335	W	105	?			0.6	14	CHILE-ARGENTINA BORDER REGION. Felt (II) in the Santiago, Chile area.
	22	19 16 26.2%	32.700	N	35.822	E	10	G			0.4	6	DEAD SEA REGION
	22	20 02 59 6*	37.297	N	138.105	E	10	G			1.4	8	NEAR WEST COAST OF HONSHU, JAPAN
	22	20 37 47.2	36.567	N	2.561	E	10	G	4.4		1.0	37	ALGERIA. mbLg 3.9 (MDD).
	22	21 04 32.3&	59.429	N	152 724	W	76					35	SOUTHERN ALASKA. <AGS-P>
	22	21 21 24.5?	38.84	S	179.10	W	8		4	7 4.1	0.8	15	EAST OF NORTH ISLAND, N.Z.
	22	21 57 18.5?	6.28	N	125.79	E	63	?	4	5	1.2	6	MINDANAO, PHILIPPINE ISLANDS
	22	22 47 12.5	37.982	N	107.734	W	5	G			0.6	19	COLORADO. ML 2.7 (NEIS). Felt at Silverton.
	22	22 53 09.4%	39.433	N	26.285	E	10	G			0.9	6	TURKEY
	22	22 55 28.4*	30.968	S	69.223	W	194	?			0.5	11	CHILE-ARGENTINA BORDER REGION
	22	23 27 09.2	7.294	S	128.726	E	128	D	5.3		1.1	101	BANDA SEA
	22	23 52 43 1?	41.26	N	22 75	E	10	G			0.6	4	YUGOSLAVIA ML 1.2 (SKO).
	23	00 41 54.7?	7.00	N	72.89	W	137	?	4.4		1.4	11	NORTHERN COLOMBIA
	23	00 54 27.9%	16 806	N	97.861	W	33	N			0.5	5	OAXACA, MEXICO
	23	01 01 26 1?	32.32	S	71.90	W	22	*			0.6	9	NEAR COAST OF CENTRAL CHILE
	23	01 03 44 7?	4 69	S	128.79	E	5	G	4.6		0.6	6	BANDA SEA
	23	01 21 13 4?	41.93	N	20.36	E	10	G			0.3	4	ALBANIA. ML 2.5 (SKO).
a	23	01 23 27 6	22.314	S	174.826	W	33	N	5.4	5.3	1.2	80	TONGA ISLANDS REGION
	23	01 27 13.2	47.514	N	7.327	E	10	G			0.4	9	SWITZERLAND. ML 1.8 (LDG).
	23	01 36 04 1?	22.00	N	121.36	E	10	G			1.4	6	TAIWAN REGION
	23	04 10 32 8	45.470	N	26.317	E	145		3.9		0.9	29	ROMANIA
	23	05 05 31 9*	17.404	N	95.285	W	118	*	4.1		1.3	12	OAXACA, MEXICO
	23	07 46 42 5	35.361	N	25.834	E	10	G			1.2	8	CRETE MD 4.0 (ATH)
	23	08 07 43 4*	18.787	N	100 905	W	33	N			1.3	6	GUERRERO, MEXICO
	23	11 37 32 1*	7.722	S	128.236	E	116	*	4	7	1.3	19	BANDA SEA
	23	12 42 32 8	42 692	N	12.950	E	10	G			0.2	6	CENTRAL ITALY. MD 2.6 (SSO).
	23	13 31 00 9?	18 14	N	65.92	W	10	G			1.0	4	PUERTO RICO REGION
	23	14 33 22 0%	38.132	N	5 118	W	10	G			1.1	6	SPAIN. mbLg 2.8 (MDD).
	23	15 12 35 8*	33.302	S	71.998	W	24				0.6	13	NEAR COAST OF CENTRAL CHILE
	23	15 34 22 0*	13.901	S	70.598	W	33	N	4.5		1.4	8	PERU
a	23	15 49 42.8	39.856	N	143.110	E	34	D	5.3	4.9	1.0	132	OFF EAST COAST OF HONSHU, JAPAN
	23	16 38 41 0*	7.485	S	121.207	E	607	*	4.4		1.3	17	FLORES SEA
	23	17 20 03 6*	51.340	N	15.580	E	10	G			1.5	6	POLAND. ML 3.3 (VKA), 2.7 (KBA).
	23	18 08 00 7?	20.70	S	68.69	W	146	?			0.5	6	CHILE-BOLIVIA BORDER REGION
	23	18 16 20 4?	16.90	N	60 85	W	32	*			0.8	6	LEEWARD ISLANDS. ML 2.8 (FDF).
	23	19 12 04 0	43.752	N	19.364	E	10	G			1.2	26	YUGOSLAVIA. ML 2.8 (TTG).
	23	19 17 32 5	34.435	N	141.302	E	56	*	4.8	3.8	1.2	45	OFF EAST COAST OF HONSHU, JAPAN
	23	21 03 02.5&	64.728	N	147.495	W	20					13	CENTRAL ALASKA. <AGS-P>.
	23	21 03 24.0?	6.65	N	73.33	W	188	?	4	2	0.6	6	NORTHERN COLOMBIA
	23	21 28 11 9	14.075	N	91.703	W	61		4.5		1.2	39	GUATEMALA
	23	21 58 25.0&	36.870	N	121.623	W	5					13	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	23	22 15 02 5?	51 06	N	19 79	E	10	G			0 7	5	POLAND ML 3.1 (KBA), 2.8 (VKA).
	23	22 42 09 9*	46.498	N	17.057	E	10	G			1.1	7	HUNGARY. ML 3.0 (VKA), 2.8 (KBA).
	23	23 01 21 6?	18.52	N	145 64	E	215	?	4	4	0.9	8	MARIANA ISLANDS
	24	00 13 42.1	38.598	N	13.973	E	10	G			1.1	31	SICILY. ML 3.1 (ROM).
a	24	00 35 07.6	0.989	N	126 007	E	26		5.7	5.1	1.1	217	MOLUCCA PASSAGE
	24	01 45 52 4	36 705	N	26 639	E	10	G	4.5	4.8	1.1	108	DODECANESE ISLANDS. MD 4.8 (ATH).
	24	01 54 52 6*	36.720	N	26.706	E	10	G			1.1	5	DODECANESE ISLANDS. MD 3 4 (ATH).

	24	02	28	43.2*	42.034	N	19.927	E	10	G			0.8	5	YUGOSLAVIA
	24	02	59	11.9*	31.515	S	68.683	W	115	*			0.8	15	SAN JUAN PROVINCE, ARGENTINA
	24	03	16	18.7?	42.33	N	18.89	E	10	G			0.2	4	YUGOSLAVIA. ML 2.2 (TTG).
	24	04	15	10.8?	46.90	N	1.78	W	10	G			1.0	6	FRANCE. ML 2.5 (LDG)
	24	04	36	22.5	38.446	N	118.662	W	5	G			0.9	14	CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (BRK). Felt (II) at Luning, Nevada.
a	24	05	05	43.9*	63.342	S	170.701	E	10	G	5.4	5.4	1.3	13	BALLENY ISLANDS REGION
	24	05	14	23.4	36.535	N	26.675	E	10	G			1.4	10	DODECANESE ISLANDS. ML 4.0 (ATH).
	24	05	20	15.5?	8.65	S	124.15	E	155	?	4.4		1.0	11	TIMOR
	24	05	57	52.7	39.609	N	27.801	E	10	G			1.0	11	TURKEY
	24	05	59	19.1%	38.000	N	14.833	E	10	G			0.3	5	SICILY. ML 1.6 (ROM).
a	24	06	39	55.6	63.211	S	170 551	E	10	G	5.5	5.2	0.9	41	BALLENY ISLANDS REGION
	24	07	10	54.5*	30.133	S	178.329	W	33	N	5.4		1.2	12	KERMADEC ISLANDS. Felt on Raoul Island.
a	24	07	22	26.0	12.651	N	48.311	E	10	G	5.0	4 7	1.1	76	EASTERN GULF OF ADEN
	24	08	21	23.9?	6.24	S	152.07	E	33	N	4.7		0.6	6	NEW BRITAIN REGION
	24	08	29	30.4?	3.31	S	136.55	E	33	N	4 4		1.3	10	WEST IRIAN
	24	09	35	01.6*	2.686	S	136.250	E	33	N	4.6		1.2	8	WEST IRIAN REGION
	24	09	43	38.6*	2.728	S	136.290	E	33	N	4.9	4.7	1.2	14	WEST IRIAN REGION
	24	12	47	21.2%	42.986	N	0.855	W	10	G			0.8	5	PYRENEES. MD 1.0 (STR).
a	24	12	49	05.9	51.291	N	178.941	W	52		5.1	4.6	0.9	161	ANDREANOF ISLANDS, ALEUTIAN IS. Ms 4.8 (BRK). Felt an Adak.
	24	13	18	20.5?	6.44	S	152.29	E	33	N	4.6	3.8	1.0	5	NEW BRITAIN REGION
	24	14	45	14.6&	37.402	N	118 630	W	7					24	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.9 (BRK). Felt (IV) at Bishop, California.
	24	15	00	18.7*	36.795	N	73.074	E	33	N	4.4		0.5	5	NORTHWESTERN KASHMIR. Felt (II) at Khorog, USSR.
	24	15	21	51.1?	50.90	N	19 60	E	10	G			1.5	6	POLAND. ML 3.0 (KBA).
	24	16	08	29.3%	33.140	S	70.171	W	11				0.3	8	CHILE-ARGENTINA BORDER REGION
	24	16	12	58.8%	41.179	N	20.159	E	5	G			1.4	5	ALBANIA MG 2.6 (TIR).
	24	16	31	46.4?	14.12	S	75.56	W	10	G			1.3	5	NEAR COAST OF PERU
	24	16	41	16.7	46.864	N	25.343	E	10	G	4.2		1.2	19	ROMANIA
	24	16	48	29.1*	0.922	N	126.199	E	33	N			0.6	5	MOLUCCA PASSAGE
	24	18	22	12.7	25.184	S	179.893	E	505	D	5.1		1.0	106	SOUTH OF FIJI ISLANDS
	24	18	45	03.8	26.912	N	142.833	E	33	D	5.0	4.5	0.9	70	BONIN ISLANDS REGION
	24	19	24	39.7	12.763	N	48.138	E	10	G	4.8		1.0	42	EASTERN GULF OF ADEN
	24	19	56	11.6%	40.451	N	23.007	E	10	G			0.8	6	GREECE. ML 2.2 (THE).
	24	20	12	31.5%	39.180	N	28.356	E	10	G			0.9	7	TURKEY
	24	20	52	57.5?	37.35	N	72.01	E	167	?	4.3		1.0	7	TAJIK SSR
	24	21	29	13.7?	32.64	S	70.82	W	86	?			0.5	9	CHILE-ARGENTINA BORDER REGION
	24	21	31	00.4	41.766	N	19.572	E	10	G			1.2	17	ALBANIA. ML 2.3 (TTG).
	24	22	44	40 8?	43.06	N	0.55	W	10	G			0.2	4	PYRENEES. MD 1.0 (STR).
o	24	23	02	23 4	19.082	S	173 498	W	67	*	5.4		1.1	168	TONGA ISLANDS
	25	00	12	53.1?	6.77	S	150.12	E	33	N	4.4		0.5	5	NEW BRITAIN REGION
	25	00	32	13.3*	15.983	N	60 879	W	70	?			0.3	11	LEEWARD ISLANDS
	25	00	39	25.6%	42.134	N	19 199	E	10	G			0.4	5	YUGOSLAVIA. ML 2.2 (TTG).
	25	03	14	28.7?	41.71	N	12 72	E	10	G			0.1	4	SOUTHERN ITALY
	25	03	17	08.7?	41.74	N	12.73	E	10	G			0.1	4	SOUTHERN ITALY
	25	03	32	07.2%	11.161	N	62.036	W	33	N			0 5	6	WINDWARD ISLANDS. MD 3.2 (TRN)
	25	04	46	00.1	38.961	N	26.980	E	10	G			1.1	13	AEGEAN SEA
	25	04	58	48.1*	21.891	S	67.679	W	33	N			0.8	6	CHILE-BOLIVIA BORDER REGION
	25	05	12	29.0%	60.127	N	5.151	E	10	G			0.9	7	SOUTHERN NORWAY. MD 1.6 (BER).
	25	06	12	44 8?	79.25	N	3 04	E	10	G	3.9		1.5	4	GREENLAND SEA
	25	07	02	49.0	35.944	N	140.134	E	76		4.8		1.2	55	NEAR EAST COAST OF HONSHU, JAPAN
	25	07	19	47.8?	23.03	S	177.66	W	323	?	4.2		1.2	10	SOUTH OF FIJI ISLANDS
a	25	07	49	44.2	2.179	S	138.862	E	26	G	5.9	5.7	1.0	232	WEST IRIAN. Ms 5.9 (PAS), 5 8 (BRK). Depth from broadband displacement seismograms.
	25	07	54	09.2	12.711	N	48.204	E	10	G	5.0	5.0	1.1	74	EASTERN GULF OF ADEN
	25	07	55	25.3*	38.901	N	35.473	E	10	G			1.3	12	TURKEY One house collapsed and 12 were damaged in Saraycik. Felt in the Kayseri area.
	25	08	56	23.9&	37.087	N	121.782	W	4					16	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt in Santa Cruz County.
	25	09	00	31.7&	37.093	N	121.765	W	7					10	CENTRAL CALIFORNIA. <BRK>. ML 2.3 (BRK). Felt in Santa Cruz County.
	25	09	50	21.6&	37.090	N	121.772	W	6					15	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt in Santa Cruz County.
	25	11	45	50.9%	44.630	N	7.231	E	10	G			0.0	4	NORTHERN ITALY. ML 2.0 (GEN).
	25	11	53	44.6	6.750	N	73.017	W	176	*	4.6		0.6	31	NORTHERN COLOMBIA
	25	12	09	00.9?	5.42	S	151.67	E	33	N	4.6		0.5	8	NEW BRITAIN REGION
a	25	12	11	14.0	0.603	S	19.774	W	10	G	4.8	4.8	1.1	62	CENTRAL MID-ATLANTIC RIDGE
	25	13	44	08.8&	58.565	N	153.975	W	96					16	KODIAK ISLAND REGION. <AGS-P>.
	25	14	16	53.8?	38.99	N	27.29	E	10	G			1.6	4	TURKEY
a	25	15	10	50.4	6.117	N	124.992	E	14	D	5.2	5.0	1.4	82	MINDANAO, PHILIPPINE ISLANDS
	25	15	17	04.1?	6.09	N	125 07	E	10	G	4.4		1.6	10	MINDANAO, PHILIPPINE ISLANDS
	25	16	00	36 9*	31.816	N	53.467	E	33	N	4.2		0.4	6	IRAN
a	25	16	13	48.9	23.721	N	114.580	E	33	N	4.9		1.5	32	NEAR SOUTHEASTERN COAST OF CHINA ML 5.1 (BJI). Felt in Guangdong Province. Also felt at Hong Kong.
	25	16	15	21.9?	12.01	N	126.32	E	10	G			0.3	5	PHILIPPINE ISLANDS REGION
	25	17	02	32.6	23.727	N	114 608	E	33	N			1.3	10	NEAR SOUTHEASTERN COAST OF CHINA. ML 4.7 (BJI). Felt in Guangdong Province. Alsa felt at Hong Kong.
a	25	18	06	03.3	18.850	N	145.640	E	205		4.9		1.0	116	MARIANA ISLANDS
	25	18	13	39 0&	62 242	N	151 174	W	78					32	CENTRAL ALASKA <AGS-P>.
	25	18	21	54.2	41.693	N	15 831	E	33	N			0.9	30	SOUTHERN ITALY. ML 3.2 (KBA).
	25	18	31	21.8*	39.683	N	75 161	E	10	G	4.7		1.2	11	SOUTHERN XINJIANG, CHINA
	25	20	14	34.7	1.008	N	98.867	E	111		5.1		1.0	124	NORTHERN SUMATERA
	25	21	30	06.8%	44.473	N	7.449	E	10	G			0.3	7	NORTHERN ITALY. ML 2.2 (GEN)
	26	00	10	20.8	42.386	N	19.078	E	10	G			0 6	10	YUGOSLAVIA. ML 2 5 (TTG).
	26	00	14	06.0*	9.434	N	84 435	W	39	*			1.1	13	COSTA RICA. ML 4.5 (SJR). Felt (II) at Alajuelas.
	26	01	06	14.6*	45.317	N	99 908	W	5	G			1.4	5	SOUTH DAKOTA mbLg 3 3 (NEIS). Felt in the areo about 7 miles northeost of Gettysburg.
	26	02	58	54.1	34.681	N	32.198	E	27	*			0.9	10	CYPRUS ML 3.6 (CSS).
	26	03	22	14.3&	53 084	N	165.985	W	6					7	FOX ISLANDS, ALEUTIAN ISLANDS. <PAL>.
	26	05	30	52.8?	14.59	N	93.25	W	33	N			1.1	5	NEAR COAST OF CHIAPAS, MEXICO
	26	08	43	38 4*	39.850	N	143.518	E	33	N	4.3		1.1	20	OFF EAST COAST OF HONSHU, JAPAN
	26	08	52	21.3&	37.443	N	121.690	W	9					12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK)

	26	10	49	35	2	41.230	N	20.011	E	10	G			1 4	6	ALBANIA. ML 2.7 (SKO).
	26	10	52	27	4	1 004	N	98.812	E	93		5 0		1 1	55	NORTHERN SUMATERA
	26	11	31	12	1?	14 58	N	61 04	W	33	N			0.1	4	WINDWARD ISLANDS ML 1.6 (FDF).
	26	11	37	58	1	38 379	N	22.165	E	10	G			1 3	10	GREECE. ML 3 0 (ATH), 2.9 (THE).
	26	11	44	02	9%	32.974	S	71 143	W	45	?			0.3	8	NEAR COAST OF CENTRAL CHILE
	26	11	53	35	7*	31.595	S	69.267	W	123	*			0.5	9	SAN JUAN PROVINCE, ARGENTINA
	26	12	10	11	5	46.339	N	6.643	E	10	G			1.1	38	SWITZERLAND ML 3.2 (LDG). MD 2.8 (STR).
	26	12	27	17	1*	36.726	N	26 686	E	10	G			1 6	6	DODECANESE ISLANDS. MD 3.6 (ATH).
	26	12	31	26	6*	3.732	S	151.387	E	33	N	4.6		1.3	11	NEW IRELAND REGION
	26	13	26	16	0?	43.03	N	0.34	W	10	G			0.5	6	PYRENEES. MD 1.8 (STR).
	26	18	27	12	7%	44.618	N	7.245	E	10	G			0.1	5	NORTHERN ITALY. ML 1.6 (GEN).
	26	18	49	24	7	44.636	N	7.282	E	10	G			0 5	18	NORTHERN ITALY. ML 2.3 (GEN), 2.4 (LDG).
a	26	19	00	59	8	25 892	N	110.076	W	10	G	5 1 5 1		1.3	62	GULF OF CALIFORNIA
	26	19	38	02	8&	61.690	N	154.086	W	14					16	SOUTHERN ALASKA. <AGS-P>
	26	19	59	59	3?	24.39	N	122 71	E	66	?			0 4	6	TAIWAN REGION
	26	21	52	57	9	37.047	N	27 999	E	10	G			1 3	17	TURKEY
a	26	22	55	49	1	34.312	S	179.431	W	46	D	5.0		1 0	39	SOUTH OF KERMADEC ISLANDS
	26	23	20	03	8*	35.381	N	27.576	E	10	G			1.2	6	DODECANESE ISLANDS MD 3.6 (ATH)
	27	00	31	02	5*	44.873	N	6 725	E	10	G			0 4	6	FRANCE ML 2.4 (GEN).
	27	01	11	21	0%	42.144	N	19.225	E	10	G			0 4	6	YUGOSLAVIA. ML 1.9 (TTG).
	27	01	20	31	1	25.791	N	96.524	E	33	N	4.4		0 9	12	BURMA
	27	01	25	53	5?	18.52	N	66.77	W	10	G			0 4	5	PUERTO RICO REGION
	27	01	28	54	8?	8.03	N	127.08	E	64	?	4 8		1.6	9	PHILIPPINE ISLANDS REGION
	27	01	38	59	4	45.961	N	2.247	E	10	G			0.9	17	FRANCE. ML 2.5 (LDG).
	27	01	57	27	2?	45.94	N	2.21	E	10	G			0.0	4	FRANCE. ML 1.8 (LDG).
	27	02	18	11	5%	45.969	N	2.193	E	10	G			0.7	10	FRANCE. ML 2.1 (LDG).
	27	02	53	12	3*	23.851	N	121.822	E	10	G			0.1	5	TAIWAN
	27	06	44	18	7	37 879	N	26.606	E	10	G			0.6	11	DODECANESE ISLANDS. MD 3.5 (ATH).
	27	06	44	54	5%	46.455	N	2.588	E	10	G			0.6	5	FRANCE. ML 2.1 (LDG).
	27	06	50	58	1?	38.88	N	26.91	E	10	G			1.3	4	AEGEAN SEA
	27	07	02	45	8	37.887	N	26 600	E	10	G			1.2	12	DODECANESE ISLANDS. MD 3.5 (ATH).
	27	07	26	46	3?	44.27	N	7.44	E	10	G			0 2	4	NORTHERN ITALY. ML 1 8 (GEN).
	27	07	30	57	5*	63.580	N	147.524	W	33	N			1.3	7	CENTRAL ALASKA ML 3.4 (PMR).
	27	07	48	06	0	39.483	N	122.646	W	5	G			1 0	9	NORTHERN CALIFORNIA. ML 2.7 (BRK).
	27	07	48	29	4	38.912	N	27.003	E	10	G			0.7	7	TURKEY
	27	08	02	23	6*	23.883	S	70.645	W	33	N			1 6	7	NEAR COAST OF NORTHERN CHILE
	27	08	07	50	8?	4.75	S	81.20	W	74	?	4 6		0.9	9	NEAR COAST OF NORTHERN PERU
a	27	08	27	34	0	21.884	N	144 412	E	69	D	5.2		1.1	107	MARIANA ISLANDS REGION
	27	08	29	08	2*	31.911	S	69 965	W	140	?			0.5	10	SAN JUAN PROVINCE, ARGENTINA
	27	08	29	39	7%	44.203	N	11 401	E	10	G			0 7	6	NORTHERN ITALY
	27	08	51	30	0%	37.936	N	1 416	W	10	G			1 0	7	SPAIN mbLg 2 7 (MDD).
	27	09	33	13	0*	51.210	N	15 944	E	10	G			0.5	5	POLAND. ML 3.2 (KBA), 2.6 (KRA).
	27	09	48	55	3%	43.122	N	0 457	W	10	G			0.1	6	PYRENEES MD 1 0 (STR).
	27	10	39	36	6	40.087	N	121 286	W	5	G			0 7	8	NORTHERN CALIFORNIA. ML 2.9 (BRK).
	27	10	52	15	8	46.250	N	7.397	E	10	G			1 1	6	SWITZERLAND
	27	11	48	01	7%	45.959	N	2.212	E	10	G			0 1	5	FRANCE. ML 1.5 (LDG).
	27	12	13	05	1?	37.07	N	20.62	E	10	G			0.9	5	IONIAN SEA. MD 3 3 (ATH).
	27	12	23	12	5?	36.87	S	72.50	W	33	N			0 7	10	NEAR COAST OF CENTRAL CHILE
	27	12	43	19	3%	40.083	N	29.483	E	10	G			1.1	6	TURKEY
	27	12	43	35	0%	44.384	N	7.393	E	10	G			0.3	6	NORTHERN ITALY. ML 2.3 (GEN).
	27	13	25	08	5*	51.155	N	15 951	E	10	G			0.5	5	POLAND
	27	13	33	59	3?	44.37	N	7.36	E	10	G			0.2	4	NORTHERN ITALY. ML 2.3 (GEN).
	27	14	11	42	6%	43.417	N	5.455	E	10	G			0.5	8	NEAR SOUTH COAST OF FRANCE. MD 2.5 (STR).
	27	14	45	06	3?	33 15	S	70 25	W	10	G			0.9	6	CHILE-ARGENTINA BORDER REGION
	27	15	01	29	5?	26.88	S	26.50	E	5	G			0.8	4	REPUBLIC OF SOUTH AFRICA
	27	15	29	33	0&	63.592	N	147 811	W	0					10	CENTRAL ALASKA. <AGS-P>. ML 3.2 (PMR).
	27	16	04	42	8	5.835	N	126.758	E	143		5.1		0.9	96	MINDANAO, PHILIPPINE ISLANDS
	27	16	42	03	0%	59 598	N	6.140	E	10	G			0 6	9	SOUTHERN NORWAY. MD 2.3 (BER).
	27	16	59	58	0	22.276	S	138.836	W	0	G	5.6 4.0		1.0	152	TUAMOTU ARCHIPELAGO REGION
	27	17	01	34	6&	60.087	N	152.923	W	93					5	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Anchorage.
	27	17	01	51	5&	62.908	N	150 732	W	100					20	CENTRAL ALASKA. <AGS-P>.
	27	18	19	06	6	34.380	N	32 798	E	33	N			1.2	10	CYPRUS. ML 3.6 (CSS)
	27	18	41	35	7	38.577	N	7 968	W	10	G			1.3	9	PORTUGAL. mbLg 3.3 (MDD). Felt (IV) at Evora.
	27	18	51	02	2	43.177	N	13.302	E	10	G			0.7	6	CENTRAL ITALY. MD 2.3 (SSO).
	27	18	56	30	1?	40 72	N	23.36	E	10	G			0.1	4	GREECE. ML 2.1 (THE).
	27	18	58	18	3?	31.24	S	68.39	W	88	?			0 4	6	SAN JUAN PROVINCE, ARGENTINA
	27	19	04	07	0	40.693	N	23.291	E	10	G			1 5	9	GREECE. ML 2.5 (THE). MD 2.6 (ATH).
	27	19	53	00	4	28.052	S	26.776	E	5	G			1 0	7	REPUBLIC OF SOUTH AFRICA
	27	20	05	20	2?	8.52	S	127.57	E	151	?	3 8		0 6	5	TIMOR
	27	21	22	43	5*	47.565	N	13 688	E	10	G			1 4	6	AUSTRIA. ML 3.1 (VKA).
	27	22	08	51	3	19.371	N	104.185	W	33	N	4 4		1.2	10	NEAR COAST OF JALISCO, MEXICO
	27	22	42	49	9	43.243	N	11.028	E	10	G			1 0	15	CENTRAL ITALY. MD 2.8 (FIR).
	27	22	45	36	5	43.276	N	11.050	E	24				0.7	15	CENTRAL ITALY. MD 3.0 (FIR).
	27	23	30	51	6	32 490	N	25 885	E	10	G			1.2	23	EASTERN MEDITERRANEAN SEA
	27	23	35	48	3%	31.050	S	68.968	W	33	N			1 4	5	SAN JUAN PROVINCE, ARGENTINA
	27	23	48	56	5?	4.55	S	131 75	E	33	N	4.0		1.3	5	BANDA SEA
	27	23	54	18	6	16.314	S	173 257	W	33	N	5 0 4.2		0 7	59	TONGA ISLANDS
	28	00	28	02	3?	31.74	S	68.11	W	5	G			0 8	5	SAN JUAN PROVINCE, ARGENTINA
	28	02	35	46	0	18.465	S	174.608	W	132	D	5 0		1 3	47	TONGA ISLANDS
	28	02	52	30	9	46.298	N	7.413	E	12				1 1	31	SWITZERLAND ML 2.9 (LDG). MD 2.8 (STR).
	28	04	13	17	1	36.736	N	26.585	E	10	G			1.3	7	DODECANESE ISLANDS. MD 3.4 (ATH)
	28	07	19	45	2?	18.70	N	63.78	W	33	N			0.9	8	LEEWARD ISLANDS. ML 3.8 (FDF).
	28	07	51	16	2	6.887	S	129.733	E	145	*	4.8		1 1	35	BANDA SEA
	28	09	25	58	1?	7.56	S	129.35	E	124	?			1 4	5	BANDA SEA
	28	10	24	05	1?	33.03	S	71.90	W	33	N			0 3	8	NEAR COAST OF CENTRAL CHILE
	28	12	26	03	2	43.375	N	13.225	E	10	G			0 7	10	CENTRAL ITALY. MD 2.8 (SSO).
	28	12	30	40	9	41 951	N	22.973	E	10	G			0 8	14	YUGOSLAVIA ML 3 0 (THE).
	28	13	19	23	1*	34 919	N	26.079	E	33	N			1 2	6	CRETE MD 4 0 (ATH).
	28	13	41	51	2?	40.28	N	124.17	W	10	G			0 4	6	NEAR COAST OF NORTHERN CALIF ML 3.1 (BRK).
	28	13	54	28	9?	37.27	N	3.34	W	10	G			1.6	4	SPAIN. mbLg 2.8 (MDD).
	28	15	10	29	5*	4.597	S	144.084	E	114	*	5 2		1 1	21	NEAR N COAST OF PAPUA NEW GUINEA
	28	19	52	14	3&	58.049	N	142 548	W	10	G	4 2			11	GULF OF ALASKA. <AGS-P>
	28	19	59	18	1?	31.28	S	68 52	W	94	?			0 3	5	SAN JUAN PROVINCE, ARGENTINA

	28	20 09 46.0&	57.953	N	142 644	W	10 G	4 5			41	GULF OF ALASKA. <AGS-P>. ML 4 4 (PMR).
	28	20 14 25 4&	57.894	N	142.662	W	10 G	4.2			17	GULF OF ALASKA. <AGS-P> ML 3.9 (PMR).
	28	20 41 28.9*	21.337	N	144 133	E	33 N	4.9 4 0		1.3	23	MARIANA ISLANDS REGION
	28	21 04 49.6	38.274	N	73.862	E	123 *	4.6		0.9	30	TAJIK-XINJIANG BORDER REGION
	28	21 20 12.6?	37.96	N	28 04	E	10 G			0.6	4	TURKEY
	28	21 31 43 9	11.163	S	165.305	E	34 *	5 0 4.8		0.9	65	SANTA CRUZ ISLANDS
	28	22 05 50.9?	44.30	N	7.19	E	10 G			0.1	4	NORTHERN ITALY. ML 2.1 (GEN).
	28	22 32 51.0?	10.30	N	61 41	W	33 N			0.1	4	TRINIDAD. MD 2.6 (TRN)
	28	22 52 04 4?	45 94	N	2 21	E	10 G			0.1	4	FRANCE
	29	00 03 21.9	18.133	S	167 889	E	10 G	4.7 4 0		1.1	25	VANUATU ISLANDS
	29	00 29 37.7?	45.93	N	2.19	E	10 G			0.1	4	FRANCE. ML 1 8 (LDG).
f	29	01 00 14.8	15.808	S	73 242	W	71 G	6.1		1 1	366	SOUTHERN PERU. mb 6.5 (PAS), 6 1 (BRK) Mo=4 0*10**18 Nm (PPT). Felt (IV) at Arequipa. Depth from broadband displacement seismograms.
	29	02 25 07 4	36.527	N	28 589	E	83 *	3 8		1.1	33	DODECANESE ISLANDS. MD 3.9 (ATH).
	29	02 26 44.0?	36 70	N	28 63	E	10 G			1.4	5	DODECANESE ISLANDS
	29	03 02 44.9	15.936	S	73 463	W	93 D	4.7		1.2	64	SOUTHERN PERU. Felt (II) at Arequipa. Also felt at Arico, Chile.
	29	03 37 31.3?	44.26	N	7 16	E	10 G			0.1	4	NORTHERN ITALY. ML 2.0 (GEN).
	29	04 45 51.0*	16.483	N	60.945	W	35 ?			0.5	9	LEEWARD ISLANDS. ML 3.0 (FDF).
	29	05 08 57.8&	59.692	N	152.532	W	65				22	SOUTHERN ALASKA. <AGS-P>. Felt (II) at Homer
	29	05 29 52.1?	16 37	S	73 51	W	33 N			0.9	6	NEAR COAST OF PERU
a	29	05 48 59.8	25.374	S	179 629	E	487 D	5 7		1.0	233	SOUTH OF FIJI ISLANDS
	29	06 29 13.4	47 831	N	116 424	W	5 G			1.0	8	WESTERN IDAHO. ML 2.9 (BUT). Felt 10 miles north of Coeur d'Alene.
	29	06 54 38.5&	34.455	N	106 891	W	13	4.6			56	NEW MEXICO. <SNM>. MD 4.7 (SNM). Felt (V) at Bosque, La Joya and Tome; (IV) at Jarales, Magadalena and McIntosh; (III) at Albuquerque, Alto, Encino, Lemitar, Los Lunos, Perolta, San Antonio, Sacarro and Willard.
	29	10 00 02.2*	31.051	S	68.805	W	33 N			1.3	6	SAN JUAN PROVINCE, ARGENTINA
	29	10 14 35.0*	9.476	N	126 397	E	33 N	5.0		1.0	18	MINDANAO, PHILIPPINE ISLANDS
	29	10 17 16.1?	16.62	S	73.92	W	33 N			1.2	7	NEAR COAST OF PERU
	29	10 19 59.4%	10.970	N	61 175	W	33 N			0.7	7	TRINIDAD. MD 2.8 (TRN).
	29	10 29 24.7*	3 488	S	134.550	E	33 N	4.9 3.9		0.8	7	WEST IRIAN REGION
	29	11 22 51.9?	31 21	S	68 40	W	84 ?			0.5	5	SAN JUAN PROVINCE, ARGENTINA
	29	12 29 25.4	39.975	N	20 772	E	10 G	3.8		1.3	27	GREECE-ALBANIA BORDER REGION. MD 3.9 (ATH). ML 3.6 (THE).
	29	13 12 26 0*	30 155	N	50 690	E	33 N	3 8		0.8	11	IRAN
	29	13 26 45.3*	46.735	N	26.107	E	10 G			1.5	5	ROMANIA
	29	13 37 14.7	52.959	N	159 485	E	33 N	4.8		0.7	46	OFF EAST COAST OF KAMCHATKA
a	29	15 59 55 3	18 322	S	168 153	E	23 D	5.1 4 8		1.3	48	VANUATU ISLANDS
	29	16 45 13.8&	37.520	N	118 768	W	5				7	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.0 (BRK).
	29	17 13 04.5	38.418	N	21 879	E	10 G			1.2	13	GREECE. ML 3.1 (ATH), 3.0 (THE).
	29	18 17 33.0?	36.48	N	29 54	E	10 G			1.1	5	TURKEY
	29	18 19 54.9*	42.504	N	13.277	E	10 G			0.8	5	CENTRAL ITALY. MD 2.3 (SSO).
	29	19 39 47.0%	45.518	N	26.990	E	33 N			1 6	5	ROMANIA
	29	20 21 01.8?	39.67	N	143 43	E	33 N	4 5		1.4	9	OFF EAST COAST OF HONSHU, JAPAN
	29	20 32 17 7*	30.092	N	68.398	E	33 N	4.7		1 4	11	PAKISTAN
	29	22 41 41 7*	11.432	N	61.305	W	59 ?			0 7	8	WINDWARD ISLANDS. MD 3.1 (TRN).
	30	00 33 20.0%	44 873	N	10.414	E	10 G			0.7	8	NORTHERN ITALY
	30	00 50 17 7?	44.67	N	129.26	W	10 G			0.4	32	OFF COAST OF OREGON
	30	01 11 54.2*	12.216	N	88 655	W	48	4 9		1 1	30	OFF COAST OF CENTRAL AMERICA
	30	01 26 25.1*	12.193	N	88 643	W	43	4 9		1 2	37	OFF COAST OF CENTRAL AMERICA
	30	01 28 57.2%	46.771	N	6.537	E	10 G			0 6	5	SWITZERLAND ML 2 5 (LDG).
	30	02 19 30 0*	12.032	N	88 334	W	20	4 9 3 7		1 4	35	OFF COAST OF CENTRAL AMERICA
	30	03 00 41.5&	47.461	N	121 707	W	13				28	WASHINGTON. <SEA>. CL 2.2 (SEA). Felt at North Bend.
	30	03 26 03.1	41.054	N	23 377	E	10 G			0.4	12	GREECE-BULGARIA BORDER REGION ML 2.9 (THE). MD 3.1 (ATH).
	30	04 32 36 0	14.944	N	92 468	W	82	4.7		0.9	55	NEAR COAST OF CHIAPAS, MEXICO Felt in Chiapas.
	30	05 09 27 1	44 628	N	7 246	E	14			0.7	18	NORTHERN ITALY. ML 2.4 (GEN), 2.2 (LDG).
	30	05 50 02 5&	36 490	N	120 137	W	16				15	CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK).
	30	05 53 41 9*	17.527	S	173 557	W	33 N	5.0		1.0	27	TONGA ISLANDS
	30	06 46 21.5%	44 613	N	7.250	E	10 G			0.2	6	NORTHERN ITALY. ML 2.2 (GEN)
	30	06 47 00 6%	31.505	S	68 940	W	10 G			1.0	5	SAN JUAN PROVINCE, ARGENTINA
	30	06 54 44.3	26 158	S	179.669	E	508 *	4.8		0.9	30	SOUTH OF FIJI ISLANDS
	30	07 14 04.5	44.691	N	10.556	E	10 G			1.0	8	NORTHERN ITALY
	30	07 38 15.7	44 721	N	10 434	E	23			0.9	17	NORTHERN ITALY. ML 2.8 (LDG), 2.8 (KBA).
	30	07 57 45.2%	44 688	N	10 528	E	27 *			0.6	8	NORTHERN ITALY
	30	08 58 34.2	38 881	S	178 231	E	35	5 6 5.0		1.0	35	OFF E. COAST OF N ISLAND, N Z. Felt at Gisborne, Wairoa and Napier
a	30	09 37 41 7	22 812	S	177 641	W	297 D	5.3		1.0	134	SOUTH OF FIJI ISLANDS
	30	09 50 40 5&	36 710	N	121 385	W	3				19	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). Mo=8 4*10**14 Nm (BRK). Felt at Hollister and Tres Pinos
	30	10 01 37 2	45 604	N	15 373	E	10 G			0.7	10	YUGOSLAVIA. ML 2.3 (ZAG), 2.9 (KBA). MD 2 9 (TRI) Felt (V) at Metlika and Crnamelj; (IV) at Novo Mesto.
	30	10 09 47.0	1.712	N	126.524	E	40 ?	4.8		1.1	16	MOLUCCA PASSAGE
	30	10 25 41.4	44 705	N	10 467	E	19			0.9	19	NORTHERN ITALY. ML 3.0 (LDG), 3.0 (KBA).
	30	10 41 00.0?	55 13	N	161.54	E	33 N	4 6		1.2	7	NEAR EAST COAST OF KAMCHATKA
	30	14 36 00.0?	17.38	N	61 76	W	33 N			0.3	6	LEEWARD ISLANDS. ML 3.2 (FDF).
a	30	14 53 21.4	21.383	N	146 180	E	33 N	5 0 4 5		1.0	55	MARIANA ISLANDS REGION
	30	15 12 40.7?	39.84	N	113 98	E	33 N			0.2	4	NORTHEASTERN CHINA. ML 3.1 (BJI).
	30	16 44 20.4?	44.76	N	10 56	E	10 G			1 2	4	NORTHERN ITALY. ML 2.3 (KBA).
	30	16 45 02.8*	21.290	N	146 136	E	33 N	4.4		1.2	14	MARIANA ISLANDS REGION
	30	16 51 16.6?	42.30	N	6.89	W	10 G			1 2	4	SPAIN. mbLg 2.6 (MDD)
	30	19 16 47.9%	41.725	N	12 774	E	10 G			0.2	5	SOUTHERN ITALY
a	30	19 46 02.9	23.490	S	179 792	W	557 D	5.3		0.8	127	SOUTH OF FIJI ISLANDS
	30	20 07 48 6	39.300	S	174 630	E	10 G			0 9	21	NORTH ISLAND, NEW ZEALAND
	30	22 11 24 5*	32 872	S	71.634	W	33 N			1 1	10	NEAR COAST OF CENTRAL CHILE
	30	22 13 47.8?	5 96	S	146.30	E	156 *	4 8		0.9	6	EAST PAPUA NEW GUINEA REGION
	30	22 48 32.9	2.749	N	128.398	E	146 *	4 9		0.9	41	HALMAHERA

ADDITIONAL SOURCE PARAMETERS

01 06 40 30.33 20.995S 67.954W 140km
5.9mb (65 obs)
SOUTHERN BOLIVIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=334 Dip=80 Slip= -65
NP2: 84 27 -157
Principal Axes:
T Plg=31 Azm= 44
P 49 271
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 1.7±0.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 132 No. of sta: 9
Principal Axes:
Scale 10**18 Nm
T Val= 1 58 Plg=37 Azm= 30
N 0.02 29 145
P -1.60 39 262
Best Double Cauple.Mo=1.6*10**18
NP1:Strike= 58 Dip=29 Slip=-177
NP2: 326 89 -61
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 06:40:37.9 0.2
Lat 21.45S 0.03 Lon 67.80W 0.04
Dep 151.8 1.2 Half-duration 4.3
Principal Axes:
Scale 10**18 Nm
T Val= 1.84 Plg=28 Azm= 60
N -0.26 6 153
P -1 58 61 254
Best Double Cauple:Ma=1.7*10**18
NP1:Strike=134 Dip=18 Slip=-110
NP2: 335 73 -84

01 09 49 26.62 2.492N 128.140E 37km
5.5mb (27 obs.) 5.1Msz (14 abs.)
HALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 29C
Centroid Location:
Origin Time 09:49:28.4 0.7
Lat 2.96N 0.06 Lon 127.79E 0.08
Dep 15.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.32 Plg=35 Azm=245
N 0 12 50 99
P -2 44 17 347
Best Double Cauple:Mo=2.4*10**17
NP1:Strike= 31 Dip=52 Slip= 14
NP2: 293 79 141

01 11 29 59.05 11.009S 162.208E 33km
5.8mb (32 obs.) 5 3Msz (14 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B : 13S, 29C
Centroid Location:
Origin Time 11:30. 0.8 0.6
Lat 11 05S FIX;Lan 162.22E FIX
Dep 15.0 FIX Half-duration 2.2
Principal Axes
Scale 10**17 Nm
T Val= 2.23 Plg= 9 Azm=325
N -0.24 23 231
P -1.99 65 75
Best Double Cauple:Mo=2.1*10**17
NP1:Strike= 80 Dip=41 Slip= -53
NP2. 215 58 -117

01 12 24 02.96 39.432N 143.249E 33km
5.1mb (34 obs) 4 5Msz (3 obs)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 15C
Centroid Location:
Origin Time 12.24: 8.4 1.2
Lat 39.28N 0.17 Lon 143.53E 0 16
Dep 31.710 9 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.29 Plg=47 Azm=333
N -2.86 25 213
P -6.42 32 106
Best Double Cauple:Mo=7.9*10**16
NP1:Strike=143 Dip=26 Slip= 19
NP2: 37 82 115

01 18 25 34.94 39.837N 142 760E 29km
6.4mb (55 obs.) 7.4Msz (17 obs)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 15 Dip=76 Slip= 75
NP2: 243 20 136
Principal Axes:
T Plg=56 Azm=266
P 29 117
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate left-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 14 Focal mech. M
Energy 1.2±0.1*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 23 No. of sta: 20
Principal Axes:
Scale 10**19 Nm
T Val= 8.56 Plg=46 Azm=251
N 0.58 36 29
P -9.14 22 136
Best Double Cauple:Mo=8 8*10**19
NP1:Strike=271 Dip=39 Slip= 158
NP2: 18 76 53
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B 14S, 39C M W.: 12S, 33C
Centroid Location:
Origin Time 18:25:42.0 0.2
Lat 39 95N 0.02 Lon 143.08E 0.02
Dep 24.0 1.1 Half-duration 14.0
Principal Axes:
Scale 10**20 Nm
T Val= 1.40 Plg=57 Azm=302
N -0.07 5 204
P -1.33 32 111
Best Double Cauple:Mo=1.4*10**20
NP1:Strike=183 Dip=14 Slip= 69
NP2: 25 77 95

02 10 12 20.89 22.210S 68.426W 114km
5.4mb (40 abs.)
NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 10:12:33.0 0.5
Lat 22.50S 0.06 Lon 68.47W 0.07
Dep 120.5 2.9 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.91 Plg=40 Azm= 78
N -0.76 20 330
P -1.15 43 220
Best Double Cauple:Mo=1 5*10**17
NP1:Strike=235 Dip=20 Slip= -5
NP2: 330 88 -110

02 11 51 46.45 39.490N 143.098E 27km
5.2mb (30 abs.) 5.1Msz (5 obs)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B : 11S, 19C
Centroid Lacation.
Origin Time 11:51.46.9 1.1
Lat 39.04N 0 10 Lon 143 53E 0 10
Dep 33 0 FIX Half-duration 1 6
Principal Axes:
Scale 10**16 Nm
T Val= 9.01 Plg=62 Azm=347
N -1.10 20 214
P -7.91 19 117
Best Double Couple:Mo=8.5*10**16
NP1:Strike=178 Dip=32 Slip= 50
NP2: 43 66 112

02 13 42 14.48 40.018N 143.252E 28km
5 6mb (51 abs.) 5 2Msz (11 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Lacation.
Origin Time 13:42:17.5 0.4
Lat 39.92N 0.05 Lon 143.48E 0.06
Dep 27.2 2.9 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.37 Plg=58 Azm=327
N -0.08 16 210
P -2.29 27 112
Best Double Couple:Ma=2.3*10**17
NP1:Strike=168 Dip=23 Slip= 46
NP2: 35 74 106

03 14 08 47.34 5.689N 126.570E 59km
5.2mb (25 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used. GDSN
L.P.B : 14S, 26C
Centroid Lacation:
Origin Time 14:08:49.3 0.5
Lat 4.91N 0.09 Lan 126.57E 0.10
Dep 46.7 4 7 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 9.38 Plg=51 Azm= 17
N 1.59 39 192
P -10.97 2 284
Best Double Cauple:Mo=1.0*10**17
NP1:Strike= 47 Dip=55 Slip= 140
NP2: 163 59 43

03 17 39 10 87 1.285S 148.713E 17km
5.7mb (35 obs.) 5.7Msz (24 abs.)
ADMIRALTY ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1.Strike=127 Dip=87 Slip= 145
NP2. 219 55 4
Principal Axes:
T Plg=26 Azm= 77
P 22 178
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 9.2±3.8*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 6 No. of sta: 11
Principal Axes:
Scale 10**17 Nm
T Val= 9.89 Plg=42 Azm= 64
N 0 06 30 303
P -9.96 34 190
Best Double Cauple:Ma=9.9*10**17
NP1 Strike=223 Dip=31 Slip= 9
NP2: 125 86 120
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 17S, 40C
Centraia Lacation:
Origin Time 17:39:16.5 0.2
Lat 0.95S 0.03 Lan 148.53E 0.03
Dep 15.0 FIX Half-duration 3.6
Principal Axes:
Scale 10**17 Nm
T Val= 9.32 Plg=41 Azm= 69
N 2 35 39 295
P -11 67 25 183
Best Double Cauple:Ma=1.0*10**18
NP1:Strike=224 Dip=40 Slip= 14
NP2: 123 81 129

04 18 04 02.49 72.255N 0.630E 10km
5.1mb (49 obs.) 5.2Msz (17 obs.)
NORWEGIAN SEA
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 18:04:10.9 0.5
Lat 72.04N 0.08 Lon 1.77E 0.09
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.03	0	122
N	-0.21	0	32
P	-1.82	90	180

Best Double Couple:Mo=1.9*10**17
NP1:Strike=212 Dip=45 Slip= -90
NP2: 32 45 -90

04 18 17 13.81 72.281N 0.594E 10km
5.3mb (61 obs.) 5.3Msz (12 obs.)
NORWEGIAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 18:17:20.1 1.2
Lat 72.13N 0.20 Lon 1.32E 0.27
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.14	0	133
N	0.38	0	43
P	-1.52	90	180

Best Double Couple:Mo=1.3*10**17
NP1:Strike=223 Dip=45 Slip= -90
NP2: 43 45 -90

04 20 12 04.87 39.118N 143.354E 30km
5.4mb (54 obs.) 5.7Msz (11 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 20:12: 8.0 0.3
Lat 39.03N 0.05 Lon 143.32E 0.05
Dep 18.0 2.1 Half-duration 3.3
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	7.38	62	318
N	0.28	12	205
P	-7.66	25	109

Best Double Couple:Mo=7.5*10**17
NP1:Strike=175 Dip=23 Slip= 58
NP2: 29 71 103

04 21 56 42.61 39 300N 143.336E 21km
5.3mb (48 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 21:56.47.4 1 1
Lat 38.90N 0.12 Lon 143.39E 0.12
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.84	73	289
N	4.18	3	28
P	-13.02	17	119

Best Double Couple:Mo=1.1*10**17
NP1:Strike=213 Dip=28 Slip= 96
NP2: 26 62 87

05 13 42 04.47 39.145N 143.477E 31km
5.1mb (40 obs.) 4.7Msz (2 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 13:42 8.1 0.9
Lat 39.07N 0.11 Lon 143.52E 0.11
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.83	64	308
N	0.33	9	200
P	-7.16	24	106

Best Double Couple:Mo=7.0*10**16
NP1:Strike=177 Dip=22 Slip= 66
NP2: 23 70 99

05 15 56 20.63 39.159N 143.515E 29km
5.2mb (36 obs.) 4.5Msz (1 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 20C
Centroid Location
Origin Time 15:56:29.1 1.9
Lat 39.06N 0.13 Lon 143.35E 0.15
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.77	70	242
N	2.56	14	18
P	-8.33	13	111

Best Double Couple:Mo=7.1*10**16
NP1:Strike=220 Dip=34 Slip= 116
NP2: 9 60 73

05 16 46 21.78 9.050N 126 469E 60km
5.0mb (21 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B. 12S, 21C
Centroid Location:
Origin Time 16:46:22.2 0.5
Lat 9 10N 0.06 Lon 126.69E 0 08
Dep 32.2 5.8 Half-duration 1.9
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	12.28	64	286
N	1.31	8	178
P	-13.60	24	84

Best Double Couple:Mo=1 3*10**17
NP1:Strike=157 Dip=22 Slip= 67
NP2: 1 69 99

05 22 29 50.34 49.684S 115.159W 10km
5.2mb (7 obs.) 5.7Msz (10 obs.)
EASTER ISLAND CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 48C
Centroid Location
Origin Time 22:29:58.9 0.2
Lat 50 04S 0.03 Lon 114.88W 0 04
Dep 15.0 FIX Half-duration 3 5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	8.39	10	324
N	0.18	77	185
P	-8.57	8	56

Best Double Couple:Mo=8.5*10**17
NP1:Strike=100 Dip=77 Slip= 1
NP2: 10 89 167

06 08 56 19 39 40.101N 142.318E 49km
5.4mb (58 obs.) 4.9Msz (13 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 26C
Centroid Location:
Origin Time 08:56 24.1 0.4
Lat 40.06N 0.05 Lon 142.05E 0.04
Dep 56.2 3.1 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.46	68	326
N	0.42	14	200
P	-1.87	17	106

Best Double Couple:Mo=1.7*10**17
NP1:Strike=175 Dip=30 Slip= 62
NP2: 27 64 105

06 15 12 53.71 25.742N 125.583E 31km
5.1mb (13 obs.) 5.3Msz (1 obs.)
SOUTHWESTERN RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 15:12:54.2 0 3
Lat 25.64N 0.08 Lon 124.85E 0.09
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.99	0	146
N	-0.23	45	56
P	-1.76	45	236

Best Double Couple:Mo=1.9*10**17
NP1:Strike=271 Dip=60 Slip= -35
NP2: 20 60 -145

06 20 52 21.20 11.315S 162 435E 39km
5.5mb (20 obs.) 6.0Msz (23 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 42C
Centroid Location:
Origin Time 20:52:26.1 0.2
Lat 11 36S 0.03 Lon 161.93E 0.03
Dep 15.0 FIX Half-duration 4.3
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.88	33	117
N	-0.11	51	332
P	-1 77	17	219

Best Double Couple:Mo=1.8*10**18
NP1:Strike=262 Dip=53 Slip= 13
NP2: 165 80 142

08 11 23 02.23 23.711S 67.755W 136km
5.0mb (9 obs.)
CHILE-ARGENTINA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 20C
Centroid Location:
Origin Time 11:23:15.1 0.7
Lat 23.74S 0.09 Lon 68.03W 0.12
Dep 148.3 4.1 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.27	13	74
N	0.05	68	308
P	-1.32	17	168

Best Double Couple:Mo=1.3*10**17
NP1:Strike=210 Dip=68 Slip= -3
NP2: 301 87 -158

08 20 07 10.54 30.898N 141.491E 41km
5.1mb (25 obs.) 4.7Msz (5 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B. 11S, 23C
Centroid Location:
Origin Time 20:07:12 6 0.8
Lat 30.77N 0.13 Lon 141.37E 0.07
Dep 18.1 4.9 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.40	75	221
N	0.74	11	358
P	-5.14	10	90

Best Double Couple:Mo=4.8*10**16
NP1:Strike=194 Dip=36 Slip= 109
NP2: 350 56 76

09 03 19 26.16 11.419S 118.098E 37km
5.3mb (19 obs.) 4.5Msz (4 obs.)
SOUTH OF SUMBAWA ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 22C
Centroid Location:
Origin Time 03:19:22.4 1.9
Lat 12 26S 0.14 Lon 118.52E 0.09
Dep 74.0 5.4 Half-duration 2.0
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.60	7	17
N	-1.46	0	107
P	-6.14	83	197

Best Double Couple:Mo=6.9*10**16
NP1:Strike=107 Dip=38 Slip= -90
NP2: 287 52 -90

09 22 05 33.30 61.447S 154.310E 10km
5.1mb (8 obs.) 5.1Msz (1 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 42C
Centraid Location:
Origin Time 22:05:46 4 0.4
Lot 60.94S 0 04 Lon 153.69E 0.07
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	3.16	0	200
N	-0.21	90	180
P	-2.95	0	110

Best Double Couple:Mo=3.0*10**17
NP1:Strike=245 Dip=90 Slip=-180

NP2: 335 90 0

10 13 42 51.18 22.772S 65.936W 266km
5.3mb (59 obs.)
JUJUY PROVINCE, ARGENTINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 13:43: 2.7 0.3
Lat 22.64S 0.04 Lon 65.57W 0.04
Dep 284.4 1.7 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.47 Plg=35 Azm= 85
N -0.30 20 340
P -3.17 48 226
Best Double Couple:Mo=3.3*10**17
NP1:Strike=229 Dip=21 Slip= -19
NP2: 337 83 -110

10 23 21 40.66 46.088N 151.699E 56km
5.6mb (62 obs.) 5.0Msz (7 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 23C
Centroid Location:
Origin Time 23:21:39.7 0.6
Lat 46.02N 0.05 Lon 152.20E 0.07
Dep 40.9 3.2 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.35 Plg=66 Azm=226
N 0.10 22 25
P -1.45 8 118
Best Double Couple:Mo=1.4*10**17
NP1:Strike=232 Dip=42 Slip= 124
NP2: 10 56 63

13 08 41 23 09 51 541N 177.301E 33km
5.0mb (44 obs.) 4.7Msz (10 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B. 14S, 27C
Centroid Location:
Origin Time 08:41:28.3 0.6
Lat 52.21N 0.07 Lon 177.10E 0.11
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.43 Plg=34 Azm=170
N 0.14 10 267
P -1.57 55 11
Best Double Couple:Mo=1.5*10**17
NP1:Strike=226 Dip=14 Slip=-132
NP2: 89 79 -80

14 05 38 56.06 5.127S 102.720E 46km
4.9mb (11 obs.) 4.8Msz (7 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 23C
Centroid Location:
Origin Time 05:38:57.5 1.0
Lat 5.32S 0.10 Lon 102.27E 0.11
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.46 Plg=55 Azm= 76
N -0.07 4 339
P -1.39 34 246
Best Double Couple:Mo=1.4*10**17
NP1:Strike=317 Dip=11 Slip= 68
NP2: 160 79 94

14 06 07 53.38 27.428S 71.052W 33km
5.5mb (20 obs.) 4.8Msz (2 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 17C
Centroid Location:
Origin Time 06:08: 1.6 0.7
Lat 27.72S 0.13 Lon 71.51W 0.08
Dep 55.2 7.9 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.69 Plg=53 Azm=175
N -0.40 37 345
P -1.29 5 79

Best Double Couple:Mo=1.5*10**17
NP1:Strike=202 Dip=51 Slip= 140
NP2: 319 60 46

14 14 32 04.10 9.124S 124.743E 33km
5.6mb (39 obs.) 5.4Msz (22 obs.)
TIMOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 14:32: 2.6 0.5
Lat 9.44S 0.05 Lon 124.65E 0.05
Dep 34.3 4.2 Half-duration 3.1
Principal Axes:
Scale 10**17 Nm
T Val= 6.13 Plg= 5 Azm=251
N 0.93 74 142
P -7.07 15 342
Best Double Couple:Mo=6.6*10**17
NP1:Strike= 25 Dip=75 Slip= -7
NP2: 117 83 -165

14 17 39 33.75 10.116N 126.521E 33km
5.3mb (25 obs.) 4.7Msz (7 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 19C
Centroid Location:
Origin Time 17:39:33.9 0.7
Lat 9.99N 0.15 Lon 126.39E 0.21
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 11.99 Plg=50 Azm=295
N 0.48 7 34
P -12.47 39 130
Best Double Couple:Mo=1.2*10**17
NP1:Strike=266 Dip= 9 Slip= 142
NP2: 33 84 83

15 04 00 40.67 0.584S 19.985W 10km
5.5mb (64 obs.) 5.0Msz (7 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 04:00:47.2 0.4
Lat 0.53S 0.03 Lon 19.02W 0.06
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.21 Plg= 0 Azm=202
N 0.08 90 180
P -2.28 0 112
Best Double Couple:Mo=2.2*10**17
NP1:Strike=247 Dip=90 Slip=-180
NP2: 337 90 0

15 19 19 57.62 52.204S 160.031E 10km
5.7mb (12 obs.) 5.3Msz (6 obs.)
MACQUARIE ISLANDS REGION
MOMENT TENSOR SOLUTION
Dep 25 No. of sta: 3
Principal Axes:
Scale 10**17 Nm
T Val= 4.40 Plg=37 Azm= 28
N -0.11 20 134
P -4.28 46 246
Best Double Couple:Mo=4.3*10**17
NP1:Strike= 59 Dip=21 Slip=-166
NP2: 315 85 -70
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C
Centroid Location:
Origin Time 19:20: 5.6 0.6
Lat 52.74S 0.09 Lon 159.14E 0.09
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 4.08 Plg=32 Azm= 24
N 0.19 42 148
P -4.27 31 272
Best Double Couple:Mo=4.2*10**17
NP1:Strike= 58 Dip=42 Slip= 180
NP2: 148 90 48

16 08 39 42.77 17.760S 178.990W 538km
5.7mb (48 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=345 Dip=87 Slip= 128
NP2: 79 38 5
Principal Axes:
T Plg=36 Azm=288
P 31 44
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. M
Energy 2.1±0.8*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 37C
Centroid Location:
Origin Time 08:39:53.7 0.2
Lat 17.36S 0.03 Lon 179.43W 0.03
Dep 555.1 1.5 Half-duration 4.6
Principal Axes:
Scale 10**18 Nm
T Val= 2.73 Plg=46 Azm=296
N -0.81 39 146
P -1.92 15 43
Best Double Couple:Mo=2.3*10**18
NP1:Strike= 92 Dip=46 Slip= 27
NP2: 342 71 132

17 04 05 18.53 80.588N 122.132E 10km
5.1mb (60 obs.) 5.3Msz (21 obs.)
EAST OF SEVERNAYA ZEMLYA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 04:05:26.2 0.4
Lat 80.57N FIX;Lon 122.17E FIX
Dep 15.0 FIX Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 4.81 Plg=27 Azm=236
N 0.13 16 137
P -4.94 58 21
Best Double Couple:Mo=4.9*10**17
NP1:Strike=359 Dip=23 Slip= -46
NP2: 133 74 -106

17 15 35 57.89 17.385S 167.931E 28km
5.4mb (24 obs.) 5.3Msz (20 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Location:
Origin Time 15:36: 7.2 0.3
Lat 17.25S 0.04 Lon 167.37E 0.04
Dep 18.6 2.0 Half-duration 3.1
Principal Axes:
Scale 10**17 Nm
T Val= 5.40 Plg=72 Azm= 41
N -0.25 12 173
P -5.14 13 266
Best Double Couple:Mo=5.3*10**17
NP1:Strike= 12 Dip=34 Slip= 113
NP2: 165 59 76

17 22 46 33.89 58.909S 16.056W 24km
5.7mb (12 obs.) 4.8Msz (2 obs.)
SOUTHWESTERN ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 22:46:31.4 0.7
Lat 58.87S FIX;Lon 15.99W FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.30 Plg=29 Azm=252
N 0.32 3 160
P -1.62 61 64
Best Double Couple:Mo=1.5*10**17
NP1:Strike=352 Dip=17 Slip= -78
NP2: 159 74 -94

18 15 56 50.77 42.867N 145.062E 44km
5.6mb (72 obs.) 4.9Msz (11 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN

L.P.B.: 12S, 22C
Centroid Location:
Origin Time 15:56:55.9 0.5
Lat 42.82N 0.05 Lon 145.07E 0.07
Dep 45.2 4 4 Half-duration 1.9
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.67	72	262
N	1.13	12	31
P	-12.81	14	124

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

	Strike=	Dip=	Slip=
NP1:	230	33	112
NP2:	24	60	76

18 20 09 39.31 0.138S 125 238E 67km
5.1mb (13 obs)
MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Dato Used. GDSN
L.P.B.: 11S, 18C
Centroid Locotion:
Origin Time 20:09:38.9 0.8
Lot 0.01N 0.07 Lon 125.97E 0.11
Dep 68.2 6.2 Half-duration 1 7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.32	62	264
N	2.17	22	45
P	-12.49	16	142

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

	Strike=	Dip=	Slip=
NP1:	261	35	131
NP2:	34	64	65

19 03 57 13.03 11.343S 118.021E 25km
5 3mb (22 obs.) 4.3Msz (2 obs.)
SOUTH OF SUMBAWA ISLAND
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 10S, 16C
Centroid Location:
Origin Time 03:57:24.6 1.2
Lot 10.82S 0.12 Lon 119.53E 0.23
Dep 99.3 7 8 Half-durotion 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.99	3	345
N	0 58	80	91
P	-11.57	9	255

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

	Strike=	Dip=	Slip=
NP1:	30	82	-175
NP2.	300	85	-8

19 12 42 55.31 6.575S 154.107E 48km
5.3mb (18 obs.) 5.6Msz (29 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 12:43: 5.1 0.2
Lot 6.65S 0.03 Lon 153.81E 0 03
Dep 28.1 2.0 Half-durotion 4.4
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.72	68	39
N	-0.02	2	135
P	-1.70	21	226

Best Double Couple:Mo=1.7*10**18

	Strike=	Dip=	Slip=
NP1:	321	24	96
NP2:	134	66	87

20 04 19 04 66 29.892N 57.718E 18km
5 6mb (60 obs.) 5.7Msz (17 obs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 16S, 35C
Centroid Location:
Origin Time 04.19:11.4 0 4
Lot 29 89N 0 04 Lon 57.80E 0.04
Dep 15.0 FIX Half-durotion 3.5
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	8.75	17	103
N	-1.14	73	297
P	-7.60	4	194

Best Double Couple:Mo=8.2*10**17

	Strike=	Dip=	Slip=
NP1	240	75	9
NP2	148	81	165

20 18 55 03.38 27.966N 129.398E 35km
5 3mb (46 obs.)
RYUKYU ISLANDS

CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 18:55: 6.2 0.8
Lot 27.84N 0.13 Lon 129.35E 0.20
Dep 43.710.5 Half-duration 1.6
Principal Axes:
Scole 10**16 Nm

	Vol=	Plg=	Azm=
T	6.70	66	310
N	3.94	5	51
P	-10.64	23	144

Best Double Couple:Mo=8.7*10**16

	Strike=	Dip=	Slip=
NP1:	244	22	104
NP2:	49	68	84

20 21 26 38.66 6.221S 131.481E 72km
5.2mb (16 obs.)
TANIMBAR ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 15S, 24C
Centroid Locotion:
Origin Time 21:26:43.0 0.7
Lat 6.39S 0.10 Lon 131.04E 0.10
Dep 82.0 3.8 Half-duration 1.9
Principol Axes:
Scale 10**16 Nm

	Vol=	Plg=	Azm=
T	13.47	5	300
N	-1.90	52	204
P	-11.58	38	34

Best Double Couple:Mo=1.3*10**17

	Strike=	Dip=	Slip=
NP1:	70	61	-25
NP2:	173	68	-148

21 03 10 23.62 28.975S 177.529W 56km
5.5mb (35 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Doto Used. GDSN
L P B.: 15S, 36C
Centroid Location:
Origin Time 03:10:32.1 0.5
Lat 28.73S 0.03 Lon 177.55W 0.04
Dep 51.8 2.1 Half-duration 8.8
Principal Axes:
Scale 10**17 Nm

	Vol=	Plg=	Azm=
T	5.28	78	249
N	2.79	7	13
P	-8.07	9	104

Best Double Couple:Mo=6.7*10**17

	Strike=	Dip=	Slip=
NP1:	202	36	101
NP2:	8	55	82

21 09 00 48.56 3.279S 139.574E 44km
4.8mb (10 obs.) 4 5Msz (2 obs.)
WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Dato Used. GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 09:00:53.7 0.9
Lat 3.29S 0.09 Lon 138.93E 0.08
Dep 33.0 FIX Half-duration 1.6
Principol Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.56	19	260
N	2.65	52	144
P	-10.21	31	3

Best Double Couple:Mo=8.9*10**16

	Strike=	Dip=	Slip=
NP1:	38	53	-10
NP2:	134	82	-143

21 10 42 39.37 19.172S 177.944W 521km
4.9mb (28 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 10S, 15C
Centroid Location:
Origin Time 10:42:42.0 1.2
Lat 18.93S 0.13 Lon 177.93W 0.12
Dep 545 0 7.8 Half-durotion 1.6
Principol Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.62	23	350
N	0 49	61	131
P	-9 11	16	253

Best Double Couple:Mo=8.9*10**16

	Strike=	Dip=	Slip=
NP1:	30	62	175
NP2	122	85	28

21 14 37 42.61 50.053S 162.592E 27km
5.6mb (15 obs.) 5.8Msz (7 obs.)
AUCKLAND ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 17S, 44C
Centroid Location:
Origin Time 14:37:52.9 0.3
Lat 50.05S 0.03 Lon 161.52E 0.04
Dep 15.0 FIX Half-durotion 4.9
Principal Axes:
Scale 10**18 Nm

	Vol=	Plg=	Azm=
T	2.88	18	358
N	-0.45	67	137
P	-2.43	14	263

Best Double Couple:Mo=2.7*10**18

	Strike=	Dip=	Slip=
NP1:	40	67	177
NP2:	131	87	23

21 20 36 19.12 0.640S 19.790W 10km
5.5mb (63 obs.) 5.3Msz (5 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 14S, 31C
Centraid Location:
Origin Time 20:36:28.6 0.3
Lat 0.19S 0 03 Lon 19.65W 0.03
Dep 15.0 FIX Half-duration 2.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	5.30	0	217
N	-1.16	90	180
P	-4.14	0	127

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

	Strike=	Dip=	Slip=
NP1:	262	90	-180
NP2:	352	90	0

22 05 46 32 46 0 560S 19.714W 10km
5.2mb (42 obs.) 4.6Msz (4 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 05:46:41.4 0.5
Lat 0.34S 0.04 Lon 19 53W 0.04
Dep 15.0 FIX Half-durotion 2.1
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.71	0	218
N	-0.42	90	180
P	-1 29	0	128

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

	Strike=	Dip=	Slip=
NP1:	263	90	-180
NP2:	353	90	0

23 01 23 27.62 22 314S 174.826W 33km
5.4mb (19 obs.) 5.3Msz (18 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 01:23:31.7 1.0
Lot 22.79S 0.06 Lon 174.35W 0.08
Dep 15.0 FIX Half-duration 2.0
Principol Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.92	69	278
N	0.29	4	18
P	-2.21	20	109

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

	Strike=	Dip=	Slip=
NP1:	206	25	98
NP2:	16	65	86

23 15 49 42.86 39.856N 143.110E 34km
5.3mb (49 obs.) 4.9Msz (8 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.. 10S, 19C
Centroid Location:
Origin Time 15:49:43.8 1.2
Lat 39.38N 0.11 Lon 143 28E 0.13
Dep 33 0 FIX Half-durotion 1.5
Principol Axes.
Scale 10**16 Nm

	Vol=	Plg=	Azm=
T	5 53	69	327
N	1.18	9	213
P	-6 71	19	120

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

	Strike=	Dip=	Slip=
NP1:	195	27	70
NP2:	37	65	100

24 00 35 07.66 0.989N 126.007E 26km
5.7mb (43 obs.) 5.1Msz (10 obs.)
MOLUCCA PASSAGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 00:35:14.6 0.4
Lat 1.29N 0.03 Lon 125.67E 0.04
Dep 52.5 3.2 Half-duration 2.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.47	71	88
N	2.13	4	347
P	-6.60	18	256

Best Double Couple:Mo=5.5*10**17
NP1:Strike=340 Dip=27 Slip= 82
NP2: 169 64 94

24 05 05 43.98 63.342S 170.701E 10km
5.4mb (2 obs.) 5.4Msz (1 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 05:05:53.7 0.4
Lat 64.51S 0.08 Lon 169.22E 0.07
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.51	0	186
N	0.32	90	180
P	-1.83	0	96

Best Double Couple:Mo=1.7*10**17
NP1:Strike=231 Dip=90 Slip=-180
NP2: 321 90 0

24 06 39 55.66 63.211S 170.551E 10km
5.5mb (14 obs.) 5.2Msz (2 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 35C
Centroid Location:
Origin Time 06:40: 5.0 0.4
Lat 63.59S 0.06 Lon 169.55E 0.07
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.97	0	186
N	-0.10	90	180
P	-2.87	0	96

Best Double Couple:Mo=2.9*10**17
NP1:Strike=231 Dip=90 Slip=-180
NP2: 321 90 0

24 07 22 26.08 12.651N 48.311E 10km
5.0mb (25 obs) 4.7Msz (4 obs.)
EASTERN GULF OF ADEN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 25C
Centroid Location:
Origin Time 07:22:30.4 1.2
Lat 12.83N 0.11 Lon 48.55E 0.10
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.09	9	356
N	-0.35	64	104
P	-1.74	24	262

Best Double Couple:Mo=1.9*10**17
NP1:Strike= 41 Dip=67 Slip=-168
NP2: 307 79 -24

24 12 49 05.95 51.291N 178.941W 52km
5.1mb (47 obs.) 4.6Msz (9 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 23C
Centroid Location:
Origin Time 12:49: 6.4 0.8
Lat 51.46N 0.08 Lon 178.77W 0.13
Dep 15.0 FIX Half-duration 1.7
Principal Axes
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.52	57	352
N	-0.01	1	83
P	-1.51	33	173

Best Double Couple:Mo=1.5*10**17
NP1:Strike=266 Dip=12 Slip= 93
NP2: 82 78 89

24 23 02 23.40 19.082S 173.498W 67km
5.4mb (24 obs)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 22C
Centroid Location:
Origin Time 23:02:31.6 0.5
Lat 18.87S FIX;Lon 173.77W FIX
Dep 52.3 4.7 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.29	67	30
N	1.42	22	193
P	-7.70	6	286

Best Double Couple:Mo=7.0*10**16
NP1:Strike= 39 Dip=44 Slip= 124
NP2: 176 55 62

25 07 49 44.22 2.179S 138.862E 26km
5.9mb (44 obs.) 5.7Msz (33 obs.)
WEST IRIAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=317 Dip=74 Slip= 90
NP2: 137 16 90
Principal Axes:

	Plg=	Azm=
T	61	227
P	29	47

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 2.3±0.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 25 No. of sta: 11
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.51	64	188
N	-0.11	13	308
P	-1.40	22	43

Best Double Couple:Mo=1.5*10**18
NP1:Strike=156 Dip=26 Slip= 121
NP2: 302 68 76
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 42C
Centroid Location:
Origin Time 07:49:51.0 0.4
Lat 1.91S 0.04 Lon 138.50E 0.04
Dep 15.0 FIX Half-duration 3.7
Principal Axes.
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	12.84	64	194
N	-0.66	11	307
P	-12.18	23	42

Best Double Couple:Mo=1.3*10**18
NP1:Strike=153 Dip=24 Slip= 117
NP2: 303 69 79

25 12 11 14.09 0.603S 19.774W 10km
4.8mb (31 obs.) 4.8Msz (3 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 12:11:24.9 0.5
Lat 0.07S 0.05 Lon 19.43W 0.06
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	12.39	19	30
N	-1.94	71	207
P	-10.45	1	300

Best Double Couple:Mo=1.1*10**17
NP1:Strike= 73 Dip=76 Slip= 167
NP2: 167 77 14

25 15 10 50.43 6.117N 124.992E 14km
5.2mb (12 obs.) 5.0Msz (10 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 33C
Centroid Location:
Origin Time 15:10:52.3 0.6
Lat 6.36N 0.06 Lon 124.95E 0.09
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.56	1	174
N	-0.12	54	82
P	-1.45	36	265

Best Double Couple:Mo=1.5*10**17
NP1:Strike=303 Dip=65 Slip= -26
NP2: 45 66 -152

25 16 13 48.97 23.721N 114.580E 33km
4.9mb (5 obs.)
NEAR SOUTHEASTERN COAST OF CHINA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 13C
Centroid Location:
Origin Time 16:13:45.6 0.9
Lat 23.72N FIX;Lon 114.57E FIX
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.55	36	256
N	-0.28	5	162
P	-2.28	54	66

Best Double Couple:Mo=2.4*10**17
NP1:Strike= 8 Dip=10 Slip= -63
NP2: 162 81 -95

25 18 06 03.37 18.850N 145.640E 205km
4.9mb (23 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 18:06: 7.0 1.0
Lat 18.87N 0.11 Lon 145.17E 0.13
Dep 195.2 5.9 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.39	57	227
N	-0.21	1	318
P	-5.19	33	48

Best Double Couple:Mo=5.3*10**16
NP1:Strike=141 Dip=12 Slip= 93
NP2: 318 78 89

26 19 00 59.83 25.892N 110.076W 10km
5.1mb (23 obs.) 5.1Msz (3 obs.)
GULF OF CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 19:01: 3.8 0.3
Lat 25.48N 0.04 Lon 110.22W 0.04
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.52	5	80
N	0.30	81	202
P	-2.82	8	349

Best Double Couple:Mo=2.7*10**17
NP1:Strike=125 Dip=81 Slip=-178
NP2: 35 88 -9

26 22 55 49.10 34.312S 179.431W 46km
5.0mb (5 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 22:55:44.6 0.9
Lat 34.42S 0.12 Lon 179.10W 0.10
Dep 79.1 7.7 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.96	7	291
N	0.38	73	44
P	-6.35	16	199

Best Double Couple:Mo=6.2*10**16
NP1:Strike=336 Dip=74 Slip=-174
NP2: 244 84 -16

27 08 27 34.09 21.884N 144.412E 69km
5.2mb (21 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 08:27:36.8 1.7

Lat 20.94N 0.21 Lon 144.07E 0.12
Dep 56.714.8 Half-duration 1.5
Principal Axes.
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.83	55	252
N	0.53	10	357
P	-6.36	33	94

Best Double Couple:Mo=6.1*10**16
NP1:Strike=218 Dip=15 Slip= 132
NP2: 355 79 80

29 01 00 14.85 15.808S 73.242W 71km
6.1mb (76 obs.)
SOUTHERN PERU
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=302 Dip=81 Slip= 118
NP2: 48 29 19
Principal Axes:

	Plg=	Azm=
T	47	241
P	30	9

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 3.3±1.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 62 No. of sta: 16
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.70	33	261
N	-0.01	46	128
P	-1.68	25	9

Best Double Couple:Mo=1.7*10**18
NP1:Strike= 48 Dip=47 Slip= 6
NP2: 313 85 136
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 44C M.W.: 12S, 24C
Centroid Location:
Origin Time 01:00:24.4 0.3
Lat 15.68S 0.02 Lon 73.31W 0.04
Dep 66.4 2.5 Half-duration 5.5
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	2.57	48	221
N	1.24	20	106
P	-3.81	35	2

Best Double Couple Mo=3.2*10**18
NP1:Strike= 38 Dip=22 Slip= 20
NP2: 289 83 110

29 05 48 59.84 25.374S 179.629E 487km
5.7mb (49 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 43C
Centroid Location:
Origin Time 05:49: 8.7 0.3
Lat 25.37S 0.03 Lon 179.52E 0.03
Dep 515.6 1.6 Half-duration 4.1
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	1.53	48	87
N	-0.05	22	203
P	-1.48	34	309

Best Double Couple:Mo=1.5*10**18
NP1:Strike= 92 Dip=23 Slip= 160
NP2: 200 82 68

29 15 59 55.39 18.322S 168.153E 23km
5.1mb (6 obs.) 4.8Msz (2 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 14C
Centroid Location:
Origin Time 16:00:12.2 1.8
Lat 17.84S 0.19 Lon 167.62E 0.11
Dep 33.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	7.71	63	49
N	1.17	17	175
P	-8.88	21	272

Best Double Couple:Mo=8.3*10**16
NP1:Strike= 29 Dip=29 Slip= 127
NP2: 168 68 72

30 09 37 41.78 22.812S 177.641W 297km
5.3mb (30 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 09:37:47.7 1.1
Lat 23.08S 0.13 Lon 178.06W 0.09
Dep 308.6 4.8 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	8.24	25	94
N	1.17	34	203
P	-9.41	45	336

Best Double Couple:Mo=8.8*10**16
NP1:Strike=137 Dip=37 Slip=-160
NP2: 31 78 -55

30 14 53 21.43 21.383N 146.180E 33km
5.0mb (12 obs.) 4.5Msz (4 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 20C
Centroid Location:
Origin Time 14:53:26.0 0.8
Lat 21.19N 0.14 Lon 146.61E 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.96	56	126
N	1.36	27	349
P	-7.32	20	248

Best Double Couple:Mo=6.6*10**16
NP1:Strike=301 Dip=34 Slip= 37
NP2: 179 70 119

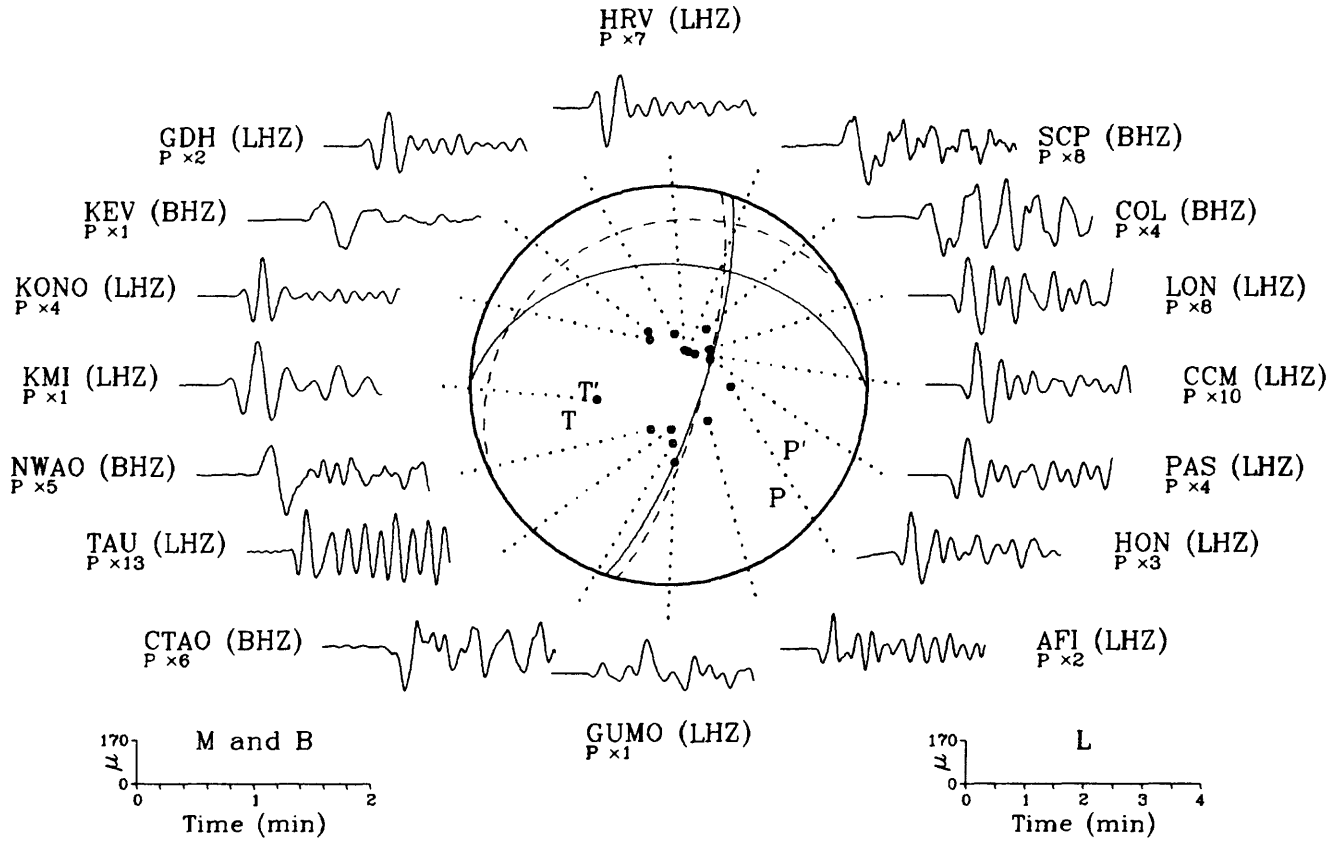
30 19 46 02.94 23.490S 179.792W 557km
5.3mb (29 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 19:46:12.0 1.3
Lat 23.07S 0.18 Lon 179.69E 0.13
Dep 520.9 9.4 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	9.32	36	3
N	-1.80	47	143
P	-7.52	21	257

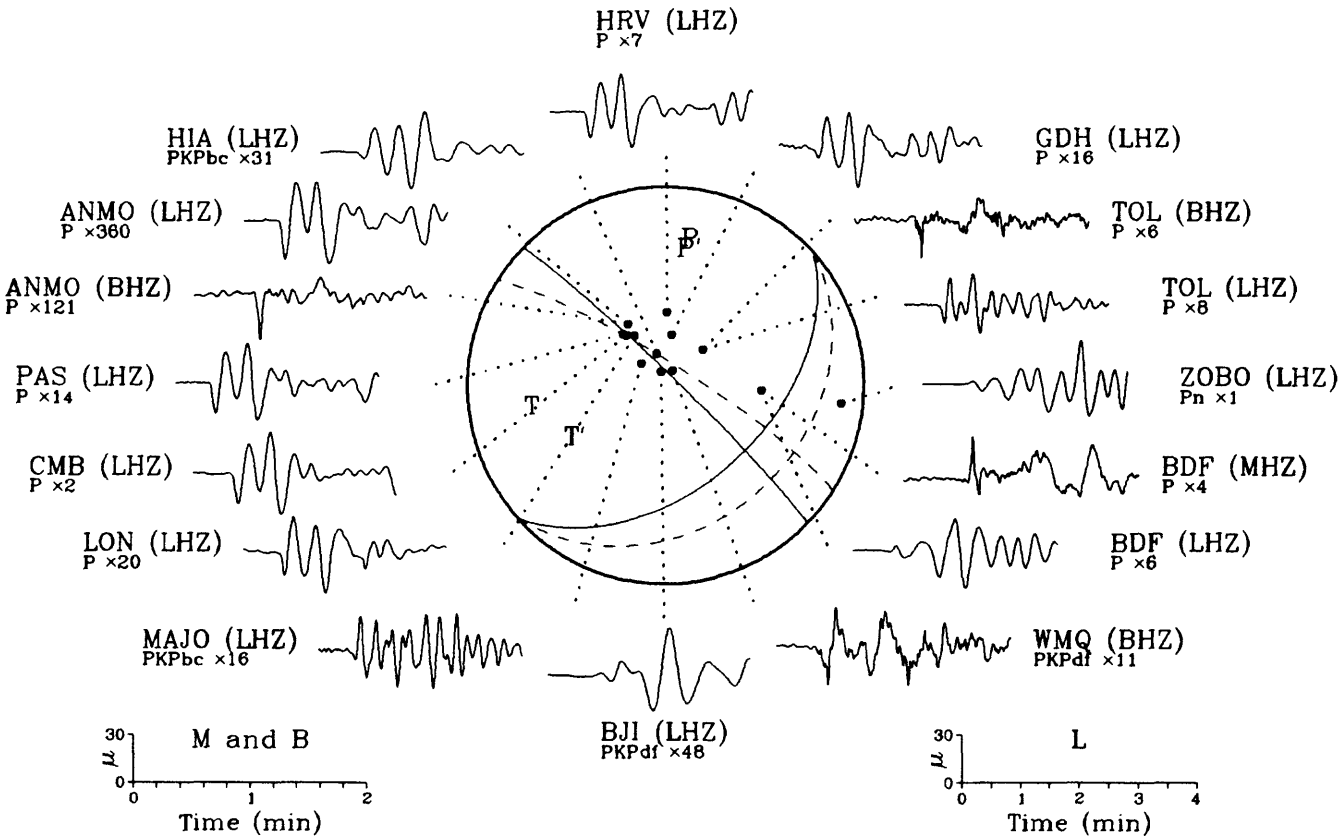
Best Double Couple:Mo=8.4*10**16
NP1:Strike= 34 Dip=49 Slip= 167
NP2: 133 81 42

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

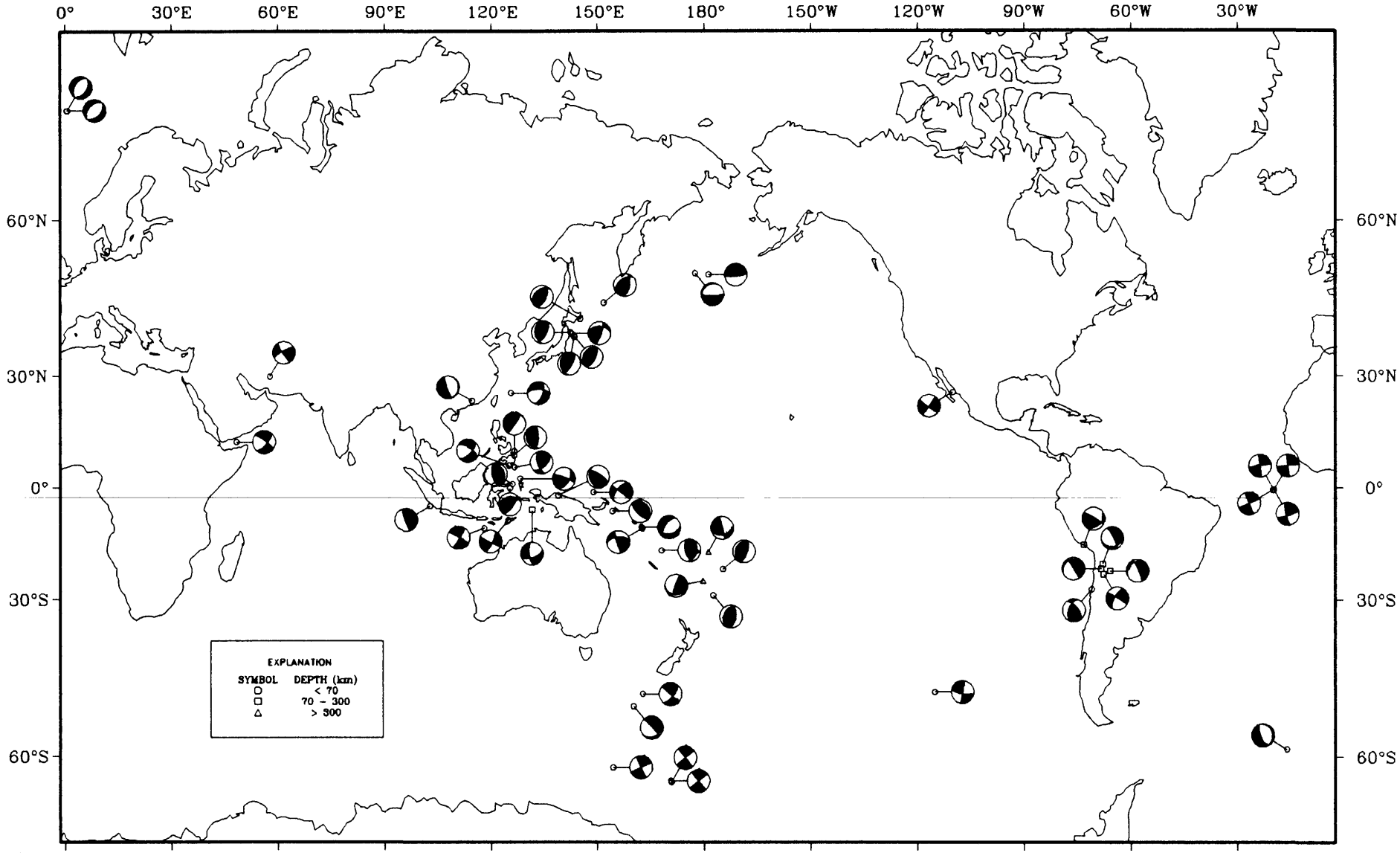
01 November 1989 18:25:34.94
Near East Coast of Honshu, Japan

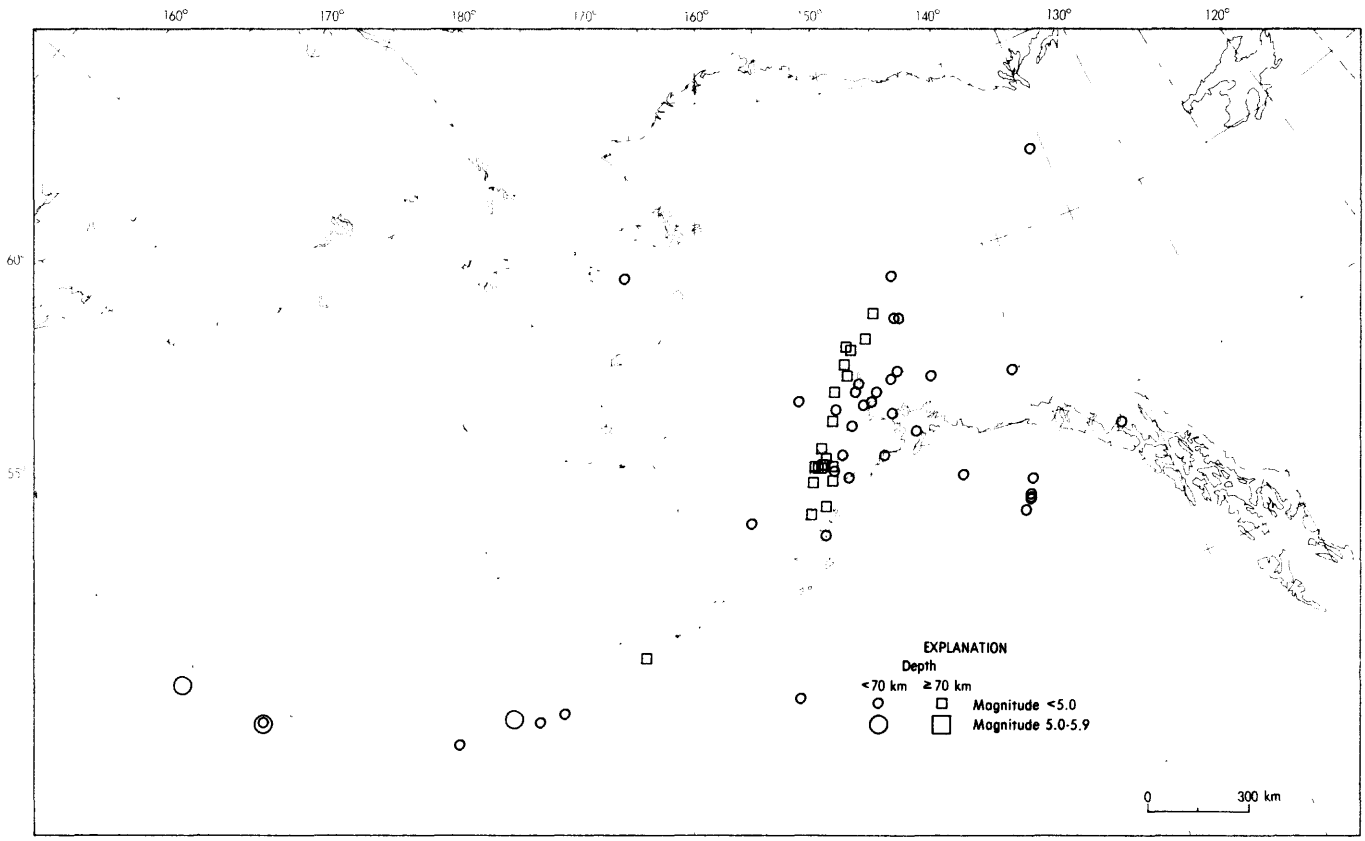


29 November 1989 01:00:14.85
Southern Peru

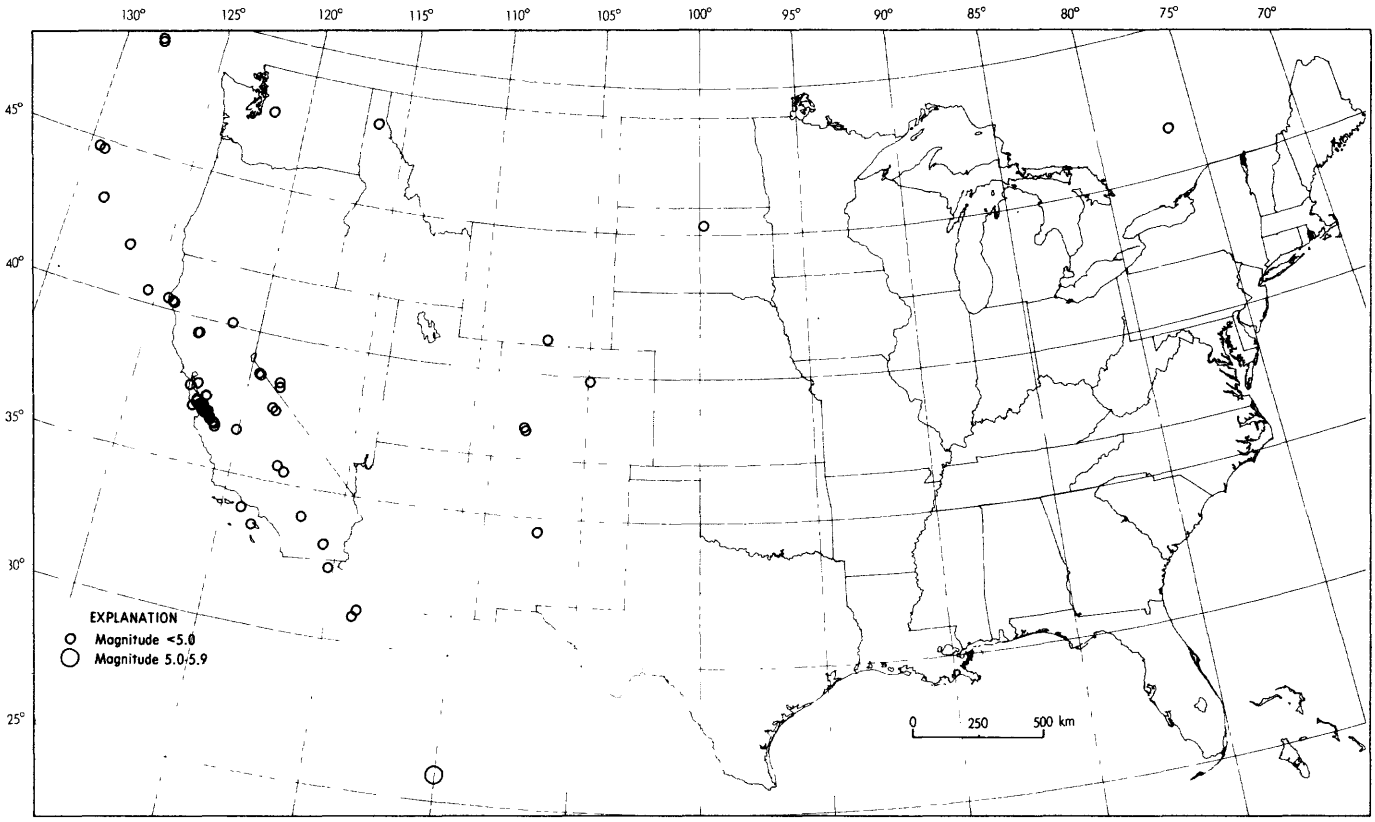


Earthquake Focal Mechanisms for November 1989

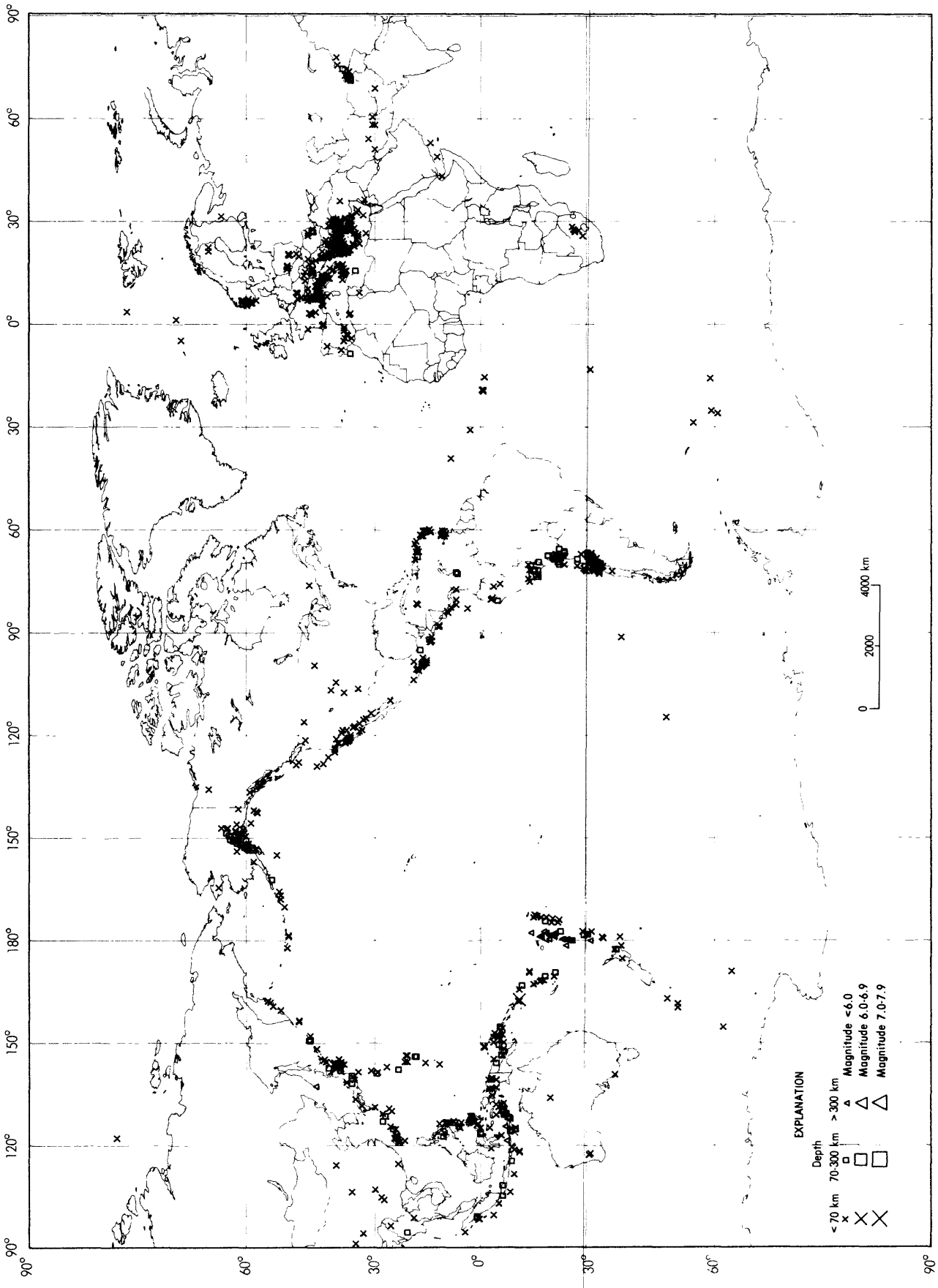




Earthquake epicenters in Alaska and adjacent regions for November, 1989 (C. Stover).



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



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

PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

DECEMBER 1989

KEY	DAY	ORIGIN TIME UTC HR	MN	SEC	GEOGRAPHIC COORDINATES LAT		LONG		DEPTH		MAGNITUDES GS MB	Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
	01	00	34	33.9*	45.671	N	149.855	E	33	N	4.8		0.7	25	KURIL ISLANDS
	01	01	05	55.6?	32.54	S	71.54	W	10				0.7	9	NEAR COAST OF CENTRAL CHILE
	01	01	45	06.4	38.840	N	21.886	E	10	G			1.4	13	GREECE. ML 3.2 (ATH).
	01	01	57	24.4?	51.92	N	16.89	E	10	G			0.5	7	POLAND. ML 3.5 (VKA), 3.3 (KBA), 2.6 (KRA).
	01	02	42	39.7?	32.55	S	71.82	W	10	G			0.3	8	NEAR COAST OF CENTRAL CHILE
	01	03	29	16.4%	10.982	N	61.925	W	33	N			0.4	5	TRINIDAD. MD 2.7 (TRN).
	01	04	46	32.0	1.249	N	122.974	E	37	*	4.7	4.7	1.1	31	MINAHASSA PENINSULA
	01	04	55	09.5	1.366	N	123.198	E	67	*	4.5		1.2	15	MINAHASSA PENINSULA
	01	04	57	18.4	30.838	N	137.167	E	488	D	4.9		0.7	105	SOUTH OF HONSHU, JAPAN. mb 4.8 (BRK).
a	01	05	06	12.1	51.631	N	178.102	W	43	D	5.6	5.0	0.9	362	ANDREANOF ISLANDS, ALEUTIAN IS. ML 5.7 (PMR). Ms 5.1 (BRK). Felt (IV) on Adak and Amchitka.
	01	05	32	53.4	59.099	N	142.528	W	10	G	4.6		1.1	72	GULF OF ALASKA. ML 4.4 (PMR). Felt slightly at Yakutat.
	01	06	30	53.6*	51.392	N	175.165	W	33	N	4.6		1.0	26	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	01	08	11	27.9?	34.26	N	25.69	E	10	G	3.7		0.4	4	CRETE
	01	08	15	29.7&	53.791	N	164.166	W	3					5	UNIMAK ISLAND REGION. <PAL>.
	01	08	42	39.7	40.759	N	27.483	E	10	G			0.9	22	TURKEY. MD 3.5 (ATH).
	01	08	48	52.7*	38.634	N	15.180	E	30	*	4.4		1.0	8	SICILY
	01	09	30	05.3	41.908	N	32.554	E	10	G			1.1	11	TURKEY
	01	11	16	50.3&	36.678	N	121.352	W	6					23	CENTRAL CALIFORNIA. <BRK>. ML 3.4 (BRK). Ma=4.2*10**14 Nm (BRK). Felt (IV) at Carmel Valley and (III) at Chualar.
	01	11	26	22.4&	36.675	N	121.345	W	6					21	CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Double shock. (BRK).
	01	11	26	30.0&	36.683	N	121.350	W	6					6	CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Secand event af double shock, epicenter assumed fram previaus event. (BRK).
	01	11	36	23.5?	14.01	N	92.07	W	58	?	4.5		1.3	8	NEAR COAST OF CHIAPAS, MEXICO
	01	12	12	02.9	41.864	N	19.758	E	10	G			1.1	13	ALBANIA. ML 2.6 (TTG).
	01	12	33	51.0%	40.839	N	28.031	E	10	G			0.2	9	TURKEY
	01	12	37	43.5&	36.677	N	121.350	W	6					26	CENTRAL CALIFORNIA. <BRK>. ML 4.4 (BRK). Ma=6.8*10**15 Nm (BRK). Felt (IV) at Manterey. Felt in Manterey, San Benita and Santa Cruz Counties.
	01	13	12	29.2*	40.143	N	19.612	E	10	G			1.3	8	ALBANIA. MD 3.0 (ATH).
	01	13	21	59.7?	42.38	N	24.17	E	10	G			1.3	5	BULGARIA
	01	16	25	05.4*	65.233	N	12.028	E	10	G			0.5	7	NORTHERN NORWAY. ML 2.8 (NAO). MD 3.0 (BER). Felt.
	01	17	32	42.5?	40.70	N	79.22	E	10	G	4.7		1.1	13	SOUTHERN XINJIANG, CHINA
	01	17	55	48.6%	60.109	N	6.475	E	10	G			0.3	8	SOUTHERN NORWAY. MD 2.0 (BER).
	01	18	44	42.2*	6.223	S	108.230	E	287	*	4.0		1.0	12	JAVA
a	01	18	59	12.3	14.457	S	167.271	E	216		5.1		0.9	226	VANUATU ISLANDS
	01	19	31	30.9	44.501	N	6.522	E	10				0.5	36	FRANCE. ML 3.0 (LDG).
	01	19	36	21.3&	60.713	N	147.480	W	7					6	SOUTHERN ALASKA. <AGS-P>.
	01	20	09	16.8*	52.350	N	4.813	E	10	G			0.3	11	NETHERLANDS. ML 3.1 (LDG).
	01	20	12	46.0?	51.68	N	16.61	E	10	G			0.7	7	POLAND. ML 3.4 (VKA), 3.4 (KBA).
	02	00	59	33.8%	47.028	N	7.261	E	10	G			1.1	6	SWITZERLAND. ML 2.6 (LDG).
	02	01	43	33.1?	33.09	S	72.43	W	33	N			0.2	6	OFF COAST OF CENTRAL CHILE
	02	02	25	47.8*	6.244	S	151.949	E	33	N	4.2		1.0	7	NEW BRITAIN REGION
	02	02	27	24.3%	10.350	N	61.446	W	33	N			1.3	6	TRINIDAD. MD 2.8 (TRN).
	02	02	50	48.8*	49.035	N	128.567	W	10	G			0.7	12	VANCOUVER ISLAND REGION
	02	04	24	54.5*	9.501	S	125.046	E	57	?	4.6	4.6	1.5	27	TIMOR
	02	04	51	56.5	38.640	N	45.373	E	10	G	4.6		0.9	14	N.W. IRAN-USSR BORDER REGION
	02	05	36	32.6	4.715	N	96.201	E	33	N	4.9		0.9	13	NORTHERN SUMATERA
	02	06	09	10.0?	42.71	N	7.69	W	10	G			0.2	4	SPAIN. mbLg 2.7 (MDD).
	02	07	06	25.8*	44.788	N	148.397	E	51	D	4.5		1.1	18	KURIL ISLANDS
	02	07	09	06.8	31.925	S	69.513	W	122		4.0		0.8	18	SAN JUAN PROVINCE, ARGENTINA
a	02	07	52	18.1	0.406	N	121.642	E	124		5.3		1.0	83	MINAHASSA PENINSULA
	02	08	56	30.9	44.742	N	7.258	E	10	G			0.6	22	NORTHERN ITALY. ML 3.1 (LDG), 2.9 (GEN).
	02	09	27	42.3*	38.997	N	21.968	E	10	G			1.2	5	GREECE. MD 3.0 (ATH).
	02	11	20	12.1	35.352	N	22.939	E	70	*	3.8		0.9	26	MEDITERRANEAN SEA. MD 3.9 (ATH).

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	02	12	12	46.4%	60.400	N	4.999	E	10	G			0.2	8	SOUTHERN NORWAY. MD 1.5 (BER).
a	02	12	15	17.8	39.536	N	143.089	E	35	*	4.9	5.5	1.2	92	OFF EAST COAST OF HONSHU, JAPAN
	02	12	19	11.7	39.462	N	143.296	E	33	N	4.1		0.7	15	OFF EAST COAST OF HONSHU, JAPAN
	02	12	20	16.8*	39.798	N	142.828	E	33	N	4.7	5.4	1.1	17	NEAR EAST COAST OF HONSHU, JAPAN
	02	12	23	46.7	39.365	N	143.558	E	33	N	4.0		0.7	16	OFF EAST COAST OF HONSHU, JAPAN
	02	12	45	29.9?	5.97	S	147.15	E	164	?	4.4		1.5	5	EAST PAPUA NEW GUINEA REGION
	02	12	50	02.8	39.378	N	143.321	E	23	D	4.6	4.3	1.0	34	OFF EAST COAST OF HONSHU, JAPAN
	02	13	30	08.8?	15.20	N	98.16	W	33	N	3.9		0.6	6	OFF COAST OF GUERRERO, MEXICO
	02	13	31	45.2	36.004	N	83.855	W	5	G			0.5	8	TENNESSEE. mbLg 2.9 (NEIS). Felt (IV) at Knoxville and (III) at Moscot.
	02	13	36	07.3	39.499	N	143.290	E	20	D	4.5		0.9	32	OFF EAST COAST OF HONSHU, JAPAN
	02	14	46	35.7*	15.995	N	61.201	W	33	N			1.3	8	LEEWARD ISLANDS. ML 2.8 (FDF).
	02	14	56	41.4*	33.418	S	70.402	W	128	*			1.0	14	CHILE-ARGENTINA BORDER REGION
	02	16	05	44.3	39.526	N	143.169	E	27	D	4.9	4.3	1.0	62	OFF EAST COAST OF HONSHU, JAPAN
	02	16	09	47.3*	25.853	S	179.572	E	531	?	4.8		1.1	26	SOUTH OF FIJI ISLANDS
	02	16	17	49.2	6.419	S	154.904	E	86	*	4.9		0.8	26	SOLOMON ISLANDS
	02	17	16	49.7?	31.41	S	68.33	W	97	?			0.1	6	SAN JUAN PROVINCE, ARGENTINA
	02	17	44	01.3?	32.39	N	6.16	W	5	G			0.3	4	MOROCCO
	02	19	39	25.1*	39.193	N	23.493	E	10	G			0.4	9	AEGEAN SEA. MD 3.1 (ATH).
	02	19	42	28.4	43.005	N	0.983	W	5	G			1.3	12	PYRENEES. ML 2.8 (LDG). mbLg 3.0 (MDD).
o	02	19	44	26.7	21.240	N	93.790	E	48	D	5.2	4.6	1.1	181	BURMA
	02	19	55	09.2?	15.92	N	60.62	W	10	G			0.6	5	LEEWARD ISLANDS. ML 2.3 (FDF).
	02	20	02	00.8&	37.208	N	122.045	W	11					13	CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Mo=9.8*10**14 Nm (BRK). Felt (IV) at Boulder Creek, Los Gatos and Saratoga. Felt (III) at Campbell, La Hondo and Monte Serano. Also felt at Mountain View, Santa Cruz and Sunnyvale.
	02	21	00	02.5	36.246	N	70.659	E	33	N	4.5		0.9	17	HINDU KUSH REGION
	02	21	39	48.7	40.865	N	27.514	E	10	G			0.9	16	TURKEY
	02	21	59	05.2%	50.226	N	4.286	E	10	G			0.6	13	BELGIUM. ML 3.1 (LDG).
	02	22	16	43.8?	37.31	N	142.14	E	33	N			1.5	7	OFF EAST COAST OF HONSHU, JAPAN
	02	22	28	56.9*	19.706	S	69.562	W	149	?			1.5	8	NORTHERN CHILE
	02	22	35	30.8%	40.791	N	29.141	E	10	G			0.9	7	TURKEY
	02	22	47	59.0	15.756	N	147.154	E	41	*	5.0	4.3	0.8	65	MARIANA ISLANDS REGION
	02	23	16	47.8&	33.650	N	116.740	W	14		4.0			31	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.2 (PAS). Felt (V) at Hemet; (IV) at Anza, Escondido, Lakeview, San Diego, Mira Loma and March Air Force Base; (III) at Aguongo, Beaumont, Mission Viejo, Moreno Valley, North Palm Springs, Palm Springs, Riolto and Yucaipa.
	03	01	11	38.7	19.698	N	144.616	E	371		4.7		0.9	94	MARIANA ISLANDS
	03	02	15	48.7?	13.09	N	90.85	W	33	N	3.8		1.1	8	NEAR COAST OF GUATEMALA
	03	02	26	28.2?	32.55	S	68.92	W	10	G			0.4	6	MENDOZA PROVINCE, ARGENTINA
	03	02	36	04.4?	2.96	N	126.84	E	33	N	4.4		0.4	8	MOLUCCA PASSAGE
	03	03	38	02.0	43.157	N	13.652	E	10	G			0.4	6	CENTRAL ITALY. MD 2.5 (SSO).
	03	04	12	52.0%	33.351	S	71.326	W	33	N			0.5	8	NEAR COAST OF CENTRAL CHILE
	03	05	14	50.7?	45.00	N	147.86	E	33	N	4.1		0.4	7	KURIL ISLANDS
	03	05	19	09.2	42.721	N	32.494	E	56	?			0.7	24	BLACK SEA
	03	05	26	41.0	15.761	N	147.089	E	42	*	4.8		0.9	32	MARIANA ISLANDS REGION
	03	06	30	25.1*	21.197	S	68.780	W	33	N			1.3	7	CHILE-BOLIVIA BORDER REGION
	03	06	42	35.5?	31.33	S	71.92	W	10	G			1.1	10	NEAR COAST OF CENTRAL CHILE
	03	07	39	06.6	38.315	N	45.216	E	10	G	4.7	4.2	1.1	62	N.W. IRAN-USSR BORDER REGION. Felt in the Tabriz-Orumiyeh area, Iran. Felt (III) at Goris, USSR.
	03	07	39	51.8&	40.300	N	121.400	W	8					8	NORTHERN CALIFORNIA. <BRK>. ML 2.8 (BRK).
	03	09	41	22.6?	21.55	S	68.41	W	33	N			1.0	6	CHILE-BOLIVIA BORDER REGION
o	03	09	45	21.1	23.691	N	142.479	E	125	*	5.0		1.0	87	VOLCANO ISLANDS REGION
	03	09	51	55.6?	39.93	N	72.58	E	33	N	4.5		1.1	6	KIRGHIZ SSR. Felt (IV) at Iski-Noukat, Sufi-Kurgon and Osh.
	03	10	58	18.0	21.218	N	93.710	E	43		4.7		0.9	54	BURMA
a	03	11	11	56.3	8.828	S	113.418	E	95		5.6		1.4	196	JAVA
	03	12	43	24.6	39.129	N	17.458	E	84	?			0.9	18	SOUTHERN ITALY
	03	13	33	33.5?	43.89	N	8.62	E	10	G			0.7	8	CORSICA. ML 2.5 (GEN).
	03	13	56	03.6?	42.28	N	19.03	E	10	G			0.2	4	YUGOSLAVIA. ML 2.0 (TTG).
f	03	14	16	48.7	7.631	S	74.459	W	153	G	5.9		1.1	411	PERU-BRAZIL BORDER REGION. mb 6.2 (PAS), 5.6 (BRK). Mo=1.3*10**19 Nm (PPT). Felt (III) at Chimbote and (II) at Chiclayo, Peru. Also felt at Lima, Peru. Two events about 3.8 seconds apart. Depth from broadband displacement seismograms, based on first event.
	03	15	36	37.9?	16.91	S	173.79	W	192	?	4.5		0.2	7	TONGA ISLANDS
	03	16	29	29.6%	37.995	N	1.503	W	10	G			1.2	8	SPAIN. mbLg 3.2 (MDD). Felt (III) at Alhamo Murcia.
	03	16	37	20.9	43.825	N	8.650	E	12				0.6	19	CORSICA. ML 2.7 (GEN), 2.6 (LDG).
	03	17	06	16.3%	39.262	N	28.811	E	10	G			0.3	5	TURKEY
	03	17	07	42.7*	9.421	N	84.012	W	33	N			0.4	6	COSTA RICA. MD 4.0 (SJR). Felt (II) at San Jose and Toponti.
	03	17	34	53.0&	39.707	N	110.702	W	3					10	UTAH. <SLC-P>. MD 2.8 (SLC).
	03	18	24	03.2&	59.399	N	144.752	W	10	G				7	GULF OF ALASKA. <AGS-P>.
	03	18	29	28.5?	16.48	S	73.81	W	10	G			0.9	6	NEAR COAST OF PERU
	03	19	11	37.0	38.747	N	26.259	E	10	G			1.3	28	AEGEAN SEA. ML 3.6 (ATH).
	03	19	55	06.1	7.412	S	128.627	E	102	*	4.9		1.1	56	BANDA SEA
	03	20	13	21.7	46.230	N	7.662	E	10	G			1.0	10	SWITZERLAND
a	03	21	32	20.7	57.655	S	148.211	E	10	G	5.2	5.9	1.1	50	WEST OF MACQUARIE ISLAND
	03	21	35	03.3	5.128	S	152.299	E	57	*	5.1		1.0	33	NEW BRITAIN REGION
	03	22	59	46.5	22.067	N	121.147	E	51	*	5.0		1.2	23	TAIWAN REGION
	04	02	54	15.9?	14.14	S	76.59	W	10	G			1.0	5	NEAR COAST OF PERU
	04	03	05	57.7	7.465	S	128.213	E	137	*	5.0		1.0	51	BANDA SEA
	04	03	32	37.7&	61.310	N	151.204	W	63					20	SOUTHERN ALASKA. <AGS-P>.
	04	05	14	13.1*	17.993	S	178.433	W	570	G	4.5		0.6	25	FIJI ISLANDS REGION
	04	05	35	13.2?	42.02	N	19.23	E	10	G			0.2	4	YUGOSLAVIA. ML 2.1 (TTG).
	04	06	08	38.5?	44.66	N	7.41	E	10	G			0.1	4	NORTHERN ITALY. ML 2.2 (GEN).
	04	06	40	55.4	39.653	N	26.166	E	15				1.1	31	TURKEY. MD 3.6 (ATH).
a	04	06	42	31.2	15.471	S	173.156	W	76	D	5.4		1.2	146	TONGA ISLANDS
	04	06	48	16.9%	40.194	N	27.545	E	10	G			0.8	6	TURKEY
	04	06	54	18.4%	40.189	N	27.583	E	10	G			0.8	5	TURKEY
	04	07	01	50.1&	39.398	N	121.245	W	19					18	NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK). Felt (IV) at

													Bangor, Brownsville, Penn Valley and Rackerby; (III) at Brawns Valley, Camptonville, Challenge, Dobbins, Nevada City, North San Juan and Smartville. Also felt at Chico.
	04	09	18	37.1*	39.809	N	143.073	E	33		4.3		1.4	19	OFF EAST COAST OF HONSHU, JAPAN
	04	10	33	57.9&	62.797	N	148.209	W	45					39	CENTRAL ALASKA. <AGS-P>. ML 3.2 (PMR).
	04	10	38	47.4	39.588	N	26.124	E	10	G			1.2	11	TURKEY. MD 3.2 (ATH).
	04	11	24	39.9	40.525	N	27.179	E	10				1.0	29	TURKEY. MD 3.6 (ATH).
	04	12	19	47.0%	41.141	N	28.462	E	10	G			0.4	5	TURKEY
	04	12	45	01.2	39.790	N	30.330	E	5	G			1.3	9	TURKEY
	04	13	22	36.1	42.936	N	13.689	E	10	G			1.1	16	CENTRAL ITALY. ML 3.2 (KBA). MD 3.3 (SSO).
	04	15	36	29.6	32.480	N	141.510	E	55	*	4.9	4.2	1.1	39	SOUTH OF HONSHU, JAPAN
	04	16	04	05.6%	40.599	N	27.497	E	10	G			0.4	5	TURKEY
	04	16	39	47.9	34.128	N	26.334	E	94	?			0.7	22	CRETE
	04	18	39	32.7?	3.73	S	152.85	E	68	*	4.3		0.8	7	NEW IRELAND REGION
	04	19	17	33.3?	31.05	S	69.65	W	33	N			0.6	5	SAN JUAN PROVINCE, ARGENTINA
	04	19	27	14.8	39.811	N	30.417	E	5	G			1.1	18	TURKEY
	04	20	42	36.5	44.337	N	7.481	E	10	G			0.8	7	NORTHERN ITALY. ML 2.2 (LDG), 2.0 (GEN).
	04	21	03	36.5?	32.76	S	70.67	W	33	N			0.6	9	CHILE-ARGENTINA BORDER REGION
	04	23	21	57.0*	15.554	S	71.236	W	213	*			1.5	9	SOUTHERN PERU
	04	23	36	14.6	45.942	N	15.094	E	10	G			1.0	10	YUGOSLAVIA. ML 2.4 (KBA). MD 2.9 (LJU), 2.3 (TRI). Felt at Mokronag.
	05	00	31	49.7%	40.438	N	29.706	E	10	G			0.5	7	TURKEY
	05	00	40	36.3&	63.002	N	150.970	W	123					10	CENTRAL ALASKA. <AGS-P>.
	05	01	42	56.3	20.829	S	178.504	W	580		5.2		0.9	121	FIJI ISLANDS REGION
	05	02	48	03.4%	40.413	N	29.714	E	10	G			0.9	6	TURKEY
a	05	03	58	48.3	5.790	S	133.707	E	33	N	5.1	4.4	1.1	75	AROE ISLANDS REGION
	05	04	40	35.1*	15.453	S	172.976	W	10	G	4.9	4.5	1.2	36	SAMOA ISLANDS REGION
	05	05	02	08.4?	15.88	S	173.28	W	10	G	4.9	4.7	0.9	23	TONGA ISLANDS
	05	05	07	57.8	24.139	N	141.844	E	134	D	4.9		1.0	31	VOLCANO ISLANDS REGION
	05	06	07	17.5%	45.673	N	26.312	E	10	G			0.7	5	ROMANIA
	05	06	26	28.1	39.631	N	26.240	E	10	G			0.8	12	TURKEY. MD 3.3 (ATH).
	05	07	04	27.0%	39.277	N	28.207	E	10	G			0.8	11	TURKEY
	05	07	18	24.4?	18.75	N	65.81	W	33	N			0.1	5	PUERTO RICO REGION
	05	08	21	24.1?	32.85	S	72.35	W	10				0.6	11	OFF COAST OF CENTRAL CHILE
	05	08	23	38.1*	32.904	S	72.200	W	10	G			0.6	11	OFF COAST OF CENTRAL CHILE
	05	08	38	02.8%	16.909	N	99.726	W	10	G			1.4	5	NEAR COAST OF GUERRERO, MEXICO
	05	08	52	08.5%	41.386	N	29.491	E	10	G			0.4	6	TURKEY
	05	08	53	58.8*	39.024	N	27.528	E	10	G			0.6	5	TURKEY
	05	09	04	13.7*	6.359	S	148.024	E	33	N	4.3		1.0	7	NEW BRITAIN REGION. ML 4.5 (PMG).
	05	09	29	37.5?	8.89	S	113.21	E	33	N	4.3		1.2	5	JAVA
	05	10	16	35.8%	44.588	N	8.309	E	10	G			0.3	6	NORTHERN ITALY. ML 1.9 (GEN).
	05	10	40	16.9*	33.100	S	71.800	W	10	G			1.0	12	NEAR COAST OF CENTRAL CHILE
	05	10	51	57.3?	32.86	S	72.28	W	10	G			0.6	11	OFF COAST OF CENTRAL CHILE
a	05	10	54	10.9	5.724	S	150.959	E	70		5.0		1.0	75	NEW BRITAIN REGION
	05	10	56	13.6&	59.400	N	153.003	W	85					7	SOUTHERN ALASKA. <AGS-P>.
	05	11	12	14.9%	59.850	N	4.510	E	10	G			0.6	7	SOUTHERN NORWAY. MD 2.1 (BER).
	05	11	17	31.8%	59.820	N	4.481	E	10	G			0.5	7	SOUTHERN NORWAY. MD 2.3 (BER).
	05	12	45	36.8?	58.81	N	6.09	E	10	G			0.7	5	SOUTHERN NORWAY. MD 1.8 (BER).
	05	12	50	31.6%	61.577	N	10.459	E	10	G			0.6	5	SOUTHERN NORWAY. MD 2.0 (BER).
	05	12	58	27.8?	42.82	N	0.49	W	10	G			0.1	4	PYRENEES. ML 3.0 (LDG). Felt (III) at Arette, France.
	05	13	24	18.4?	38.60	S	175.80	E	33	N			0.8	11	NORTH ISLAND, NEW ZEALAND
	05	13	36	02.0&	60.403	N	150.808	W	38					30	KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.0 (PMR).
	05	14	54	03.8&	37.500	N	118.900	W	4					9	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 2.8 (BRK).
	05	15	08	49.5*	39.692	N	16.875	E	10	G			0.8	6	SOUTHERN ITALY
	05	15	12	03.1?	54.51	N	160.84	E	33	N	4.5		1.4	8	NEAR EAST COAST OF KAMCHATKA
	05	15	27	12.0*	29.157	S	67.213	W	162	?			1.2	14	LA RIOJA PROVINCE, ARGENTINA
	05	15	34	32.8?	11.35	S	118.54	E	33	N	4.3		1.3	8	SOUTH OF SUMBAWA ISLAND
	05	16	17	16.8	38.154	N	20.642	E	33	N	3.9		1.4	37	GREECE. ML 3.7 (ATH).
	05	17	11	10.7%	16.136	S	178.333	E	33	N			0.3	6	FIJI ISLANDS. ML 4.2 (SVA).
	05	17	16	16.9?	32.33	S	71.79	W	10	G			0.3	9	NEAR COAST OF CENTRAL CHILE
	05	18	13	03.7	15.834	S	167.617	E	169		4.7		0.9	81	VANUATU ISLANDS
	05	18	23	28.4	5.610	S	149.324	E	159	*	4.8		1.0	44	NEW BRITAIN REGION
	05	18	47	28.9%	38.977	N	27.960	E	10	G			0.8	6	TURKEY
	05	19	57	12.0	43.066	N	13.129	E	10	G			0.2	6	CENTRAL ITALY. MD 2.2 (SSO).
	05	21	13	42.2*	42.237	N	13.530	E	10	G			1.2	6	CENTRAL ITALY
	05	21	21	14.4	20.866	S	178.653	W	615	*	4.7		0.9	43	FIJI ISLANDS REGION
	05	22	00	02.7&	36.905	N	121.682	W	5					12	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	05	22	16	58.6	21.633	N	157.323	W	10	G	4.0		0.6	11	HAWAII. ML 4.6 (HON). MD 4.2 (HVO). Felt (IV) at Kaneohe; (III) at Hawaii Kai, Kailua and Waimanalo, Oahu. Also felt at Diamond Head, Waikiki and in the downtown area of Honolulu. Felt (III) at Hoolehua, Molokai and Kahului, Maui.
	05	22	49	42.4%	21.219	S	118.838	E	10	G			0.7	7	WESTERN AUSTRALIA
	05	23	24	07.0	15.172	N	60.911	W	13				0.3	13	LEEWARD ISLANDS. ML 2.9 (FDF). MD 3.3 (TRN).
	06	00	48	23.8	46.847	N	25.430	E	28		4.3		1.3	70	ROMANIA
	06	00	57	21.7*	19.280	N	102.701	W	63	*	4.8	4.1	1.3	30	MICHOACAN, MEXICO. Felt along the coasts of Jalisco and Colima.
	06	01	06	23.0&	59.237	N	145.025	W	10	G				23	GULF OF ALASKA. <AGS-P>. ML 3.8 (PMR).
	06	01	30	01.6%	39.066	N	28.692	E	10	G			0.8	7	TURKEY
	06	01	54	51.6*	5.836	S	107.546	E	313	?	4.5		1.2	15	JAVA
	06	02	04	26.9?	29.25	S	69.57	W	33	N			1.5	8	CHILE-ARGENTINA BORDER REGION
	06	03	27	05.3	6.836	N	123.647	E	617		5.1		0.9	46	MINDANAO, PHILIPPINE ISLANDS
	06	04	09	25.1	58.030	N	32.200	W	10	G	4.8	4.0	1.1	64	NORTH ATLANTIC OCEAN
a	06	05	19	48.5	6.192	S	130.455	E	120	D	5.7		1.1	189	BANDA SEA
	06	05	33	12.2	43.646	N	16.869	E	10	G	4.9		1.4	171	YUGOSLAVIA. ML 4.9 (KBA), 4.8 (TTG). MD 4.8 (FIR), 4.7 (TRI), 4.4 (SSO). Felt (VII) in the Livna area. Felt throughout Dalmatia, in southern Bosnia and in parts of Hercegovina.
	06	05	41	11.6*	43.594	N	17.062	E	10	G			1.1	11	YUGOSLAVIA. ML 3.4 (ZAG), 3.1 (KBA), 2.7 (LJU).
	06	05	42	59.4	43.607	N	16.902	E	10	G			0.8	9	YUGOSLAVIA. ML 3.3 (TTG).
	06	05	45	42.3	43.617	N	16.801	E	10	G			1.2	20	YUGOSLAVIA. ML 3.5 (KBA), 3.4 (TTG), 3.0 (LJU).
	06	06	07	10.2&	40.745	N	123.938	W	26					11	NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK). Felt from

														Arcata to Fortuna.
	06	06	43	11.1*	43.629	N	16.963	E	10	G			1.5	10 YUGOSLAVIA. ML 3.1 (KBA), 3.0 (ZAG), 2.6 (LJU).
	06	08	05	45.4	43.505	N	16.906	E	10	G			1.5	9 YUGOSLAVIA. ML 2.8 (TTG).
	06	08	23	21.9&	62.374	N	151.203	W	78					27 CENTRAL ALASKA. <AGS-P>.
a	06	08	41	07.8	32.382	N	141.532	E	33	N	5.2	4.8	1.1	99 SOUTH OF HONSHU, JAPAN
	06	09	14	41.0	43.623	N	16.854	E	10	G			1.2	17 YUGOSLAVIA. ML 3.1 (TTG), 3.1 (ZAG), 3.0 (KBA), 2.6 (LJU).
	06	09	54	23.2	43.620	N	16.932	E	10	G			1.3	19 YUGOSLAVIA. ML 3.0 (TTG), 3.0 (KBA), 2.6 (LJU).
	06	10	28	18.7?	31.25	S	68.64	W	105	?			0.2	5 SAN JUAN PROVINCE, ARGENTINA
	06	11	19	17.1?	43.47	N	17.26	E	10	G			0.7	6 YUGOSLAVIA. ML 2.7 (KBA), 2.3 (LJU).
	06	11	29	49.7	15.583	N	92.847	W	37		5.1	3.9	1.1	97 MEXICO-GUATEMALA BORDER REGION. Felt (I) at Guatemala City and in parts of western Guatemala. Also felt in Chiapas, Mexico.
	06	12	53	51.7*	30.237	N	103.475	E	52	*	4.2		1.5	17 SICHUAN PROVINCE, CHINA
	06	12	54	07.6?	29.72	N	102.80	E	33	N	4.5		1.0	7 SICHUAN PROVINCE, CHINA. Some damage in Gianglai and Pujiang Counties. Felt widely in the Chengdu area.
	06	12	56	01.4&	63.121	N	149.778	W	103		4.8			102 CENTRAL ALASKA. <AGS-P>. Felt (V) at Trapper Creek; (IV) at Cantwell and Chickaloon; (III) at Anchorage, Palmer, Skwentna and Sutton.
	06	13	05	14.6	42.022	N	24.833	E	9				1.0	21 BULGARIA
	06	13	31	35.5?	23.31	S	176.71	W	235	?	4.2		1.3	14 SOUTH OF FIJI ISLANDS
	06	13	33	07.3*	9.384	S	150.828	E	33	N	4.2		1.4	9 EAST PAPUA NEW GUINEA REGION
	06	13	55	41.4	43.660	N	16.884	E	10	G			1.3	101 YUGOSLAVIA. ML 4.3 (ZAG), 4.2 (KBA), 4.1 (ROM), 4.0 (LJU). MD 4.4 (TRI), 4.2 (TTG), 3.9 (FIR).
	06	14	02	13.2	43.574	N	16.958	E	10	G			1.1	10 YUGOSLAVIA. ML 2.9 (TTG), 2.8 (KBA).
	06	14	04	18.1	43.576	N	17.021	E	10	G			1.4	28 YUGOSLAVIA. ML 3.2 (TTG), 3.0 (KBA), 2.7 (LJU). MD 3.6 (TRI).
	06	14	26	45.5	31.970	S	69.756	W	123				1.0	22 SAN JUAN PROVINCE, ARGENTINA
	06	14	34	11.1?	42.80	N	23.29	E	10	G			1.2	5 BULGARIA
	06	14	39	53.5	41.938	N	23.195	E	10	G			0.7	7 GREECE-BULGARIA BORDER REGION. ML 1.5 (SKO).
	06	15	37	06.3?	43.42	N	17.42	E	10	G			0.9	7 YUGOSLAVIA. MG 2.9 (BLY).
	06	16	22	54.0	33.003	S	70.140	W	119	?			0.5	14 CHILE-ARGENTINA BORDER REGION
	06	17	09	03.1	32.373	N	141.472	E	49	D	5.0	4.1	1.4	38 SOUTH OF HONSHU, JAPAN
	06	17	39	45.0	43.556	N	16.927	E	15				1.5	35 YUGOSLAVIA. ML 3.5 (KBA), 3.4 (ZAG), 3.0 (LJU). MD 3.5 (TTG).
	06	19	15	23.4&	33.810	N	117.040	W	15					14 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt (V) at San Jacinto; (IV) at Anza; (III) at Lakeview, Mountain Center and North Palm Springs. Also felt in the Riverside area.
	06	21	31	06.4	40.674	N	23.316	E	10	G			1.1	14 GREECE. MD 2.8 (ATH). ML 2.5 (SKO).
	06	22	15	22.1?	43.36	N	17.46	E	10	G			1.2	7 YUGOSLAVIA. ML 2.8 (KBA), 2.8 (ZAG). MD 3.0 (BLY).
	06	22	34	41.4	40.489	N	20.933	E	10	G			1.3	11 GREECE-ALBANIA BORDER REGION. ML 3.6 (SKO). MD 3.4 (ATH).
	06	23	24	09.5*	10.271	N	125.404	E	77	*	3.9		1.2	11 LEYTE, PHILIPPINE ISLANDS
	06	23	32	49.6?	17.15	N	47.05	W	10	G	4.7		0.4	10 NORTH ATLANTIC RIDGE
	07	01	11	44.6?	2.27	N	128.36	E	33	N	4.6		1.0	9 HALMAHERA
	07	01	15	49.4&	38.171	N	115.949	W	4					24 NEVADA. <GLD>. ML 2.5 (GLD).
	07	04	09	39.4	43.595	N	16.923	E	9				1.1	14 YUGOSLAVIA. ML 3.0 (KBA), 2.3 (LJU).
	07	04	49	52.7?	15.56	N	60.51	W	10	G			0.4	6 LEEWARD ISLANDS. ML 2.6 (FDF).
	07	05	30	12.1*	37.173	N	28.184	E	10	G			1.4	7 TURKEY
	07	06	13	53.8	36.669	N	26.944	E	159		4.2		1.2	38 DODECANESE ISLANDS
	07	07	08	00.2*	5.368	S	152.250	E	45	*	4.7		1.0	19 NEW BRITAIN REGION
	07	07	34	19.3?	2.96	S	139.05	E	33	N	4.6	3.7	0.4	6 NEAR N. COAST OF WEST IRIAN
	07	08	08	15.4&	59.226	N	150.954	W	37					34 KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.9 (PMR). Felt (III) at Homer.
	07	08	25	52.6?	16.96	S	73.94	W	10	G			0.9	6 NEAR COAST OF PERU
	07	08	27	30.1?	35.85	N	139.12	E	86	?	4.4		0.7	10 NEAR S. COAST OF HONSHU, JAPAN
	07	08	50	11.1	41.786	N	19.669	E	10	G			0.6	18 ALBANIA. ML 2.7 (TTG).
	07	12	18	45.1*	39.616	N	24.447	E	10	G			0.9	9 AEGEAN SEA
	07	12	27	15.2*	39.715	N	30.685	E	5	G			1.4	7 TURKEY
a	07	12	59	33.5	25.917	N	58.971	E	16	D	5.7	5.7	1.2	365 SOUTHERN IRAN
	07	13	15	57.5	41.278	N	20.052	E	10	G			1.4	25 ALBANIA. ML 3.2 (SKO), 2.8 (TTG). MD 3.3 (ATH).
	07	13	24	42.3*	18.272	N	146.505	E	73	*	4.8		1.0	31 MARIANA ISLANDS
a	07	13	38	44.8	6.436	S	146.383	E	104	G	6.0		0.9	344 EAST PAPUA NEW GUINEA REGION. mb 6.4 (PAS). Mo=6.0*10**18 Nm (PPT). Felt at Port Moresby. Depth from broadband displacement seismograms.
	07	14	14	37.9?	58.22	N	6.30	E	10	G			0.7	7 SOUTHERN NORWAY. MD 2.4 (BER).
	07	14	56	48.4%	60.720	N	5.526	E	10	G			0.5	8 SOUTHERN NORWAY. MD 1.8 (BER).
	07	15	08	28.2%	60.323	N	5.320	E	10	G			0.2	9 SOUTHERN NORWAY. MD 1.2 (BER).
	07	15	13	42.3?	19.47	N	102.82	W	33	N	4.4		1.5	6 MICHOACAN, MEXICO
	07	15	14	25.7*	21.111	S	67.802	W	33	N			0.9	6 CHILE-BOLIVIA BORDER REGION
	07	15	29	14.6	52.629	N	167.943	W	33	N	4.8	4.6	1.0	77 FOX ISLANDS, ALEUTIAN ISLANDS
	07	15	45	24.6	38.219	N	22.736	E	10	G			1.3	13 GREECE. ML 3.3 (ATH).
	07	15	50	57.5*	17.781	S	168.397	E	89	*	4.7		1.4	18 VANUATU ISLANDS
	07	16	00	05.0*	40.276	N	21.313	E	10	G			0.8	6 GREECE. ML 3.1 (SKO).
	07	16	11	42.2	43.646	N	16.905	E	12				1.4	30 YUGOSLAVIA. ML 3.5 (ZAG), 3.3 (TTG), 3.3 (KBA), 2.9 (LJU). MD 3.6 (TRI).
	07	16	38	32.7*	4.276	S	76.526	W	124	*	5.0		1.2	36 NORTHERN PERU
	07	18	21	50.5	25.720	N	58.754	E	33	N	4.5		1.0	23 SOUTHERN IRAN
	07	18	56	00.7?	7.24	S	129.54	E	160	?	4.3		0.9	6 BANDA SEA
a	07	23	15	28.8	17.975	N	146.470	E	76	*	5.0		1.0	75 MARIANA ISLANDS
a	08	00	04	25.4	21.184	N	93.746	E	47	D	5.6	4.5	0.9	282 BURMA
	08	00	13	38.7%	38.356	N	27.561	E	10	G			0.3	5 TURKEY
	08	00	31	51.4&	61.363	N	148.458	W	29					22 SOUTHERN ALASKA. <AGS-P>.
	08	00	44	06.8&	63.191	N	150.473	W	119					15 CENTRAL ALASKA. <AGS-P>.
	08	01	08	03.1%	31.941	N	6.292	W	5	G			1.0	6 MOROCCO. MD 3.8 (RBA).
a	08	02	26	03.3	19.199	N	104.440	W	67		5.3		1.0	100 NEAR COAST OF JALISCO, MEXICO. Felt at Manzonillo.
	08	02	47	52.6	21.058	N	93.658	E	57	*	3.9		1.2	16 BURMA
	08	04	36	20.1?	6.19	S	145.87	E	143	?			0.1	5 PAPUA NEW GUINEA
	08	04	41	05.5%	39.645	N	27.500	E	10	G			1.4	5 TURKEY
	08	06	58	43.9?	25.02	S	69.06	W	33	N			0.9	5 NORTHERN CHILE
	08	07	49	52.1	34.103	S	70.131	W	10	G			0.9	12 CHILE-ARGENTINA BORDER REGION
	08	08	13	28.9	34.089	S	70.130	W	10	G			1.2	14 CHILE-ARGENTINA BORDER REGION

	08	08	21	55.8%	38.830	N	27.756	E	10	G		1.4	7	TURKEY
	08	09	07	07.0	34.114	S	70.133	W	10	G		1.2	15	CHILE-ARGENTINA BORDER REGION
a	08	10	23	12.5	10.094	N	126.495	E	44		5.7 5.9	1.1	161	PHILIPPINE ISLANDS REGION. Ms 5.5 (PAS).
	08	10	50	26.0*	53.355	N	163.210	W	33	N		0.7	11	UNIMAK ISLAND REGION
	08	10	53	21.0*	10.010	N	126.366	E	95	?	4.7	1.5	16	PHILIPPINE ISLANDS REGION
	08	11	13	27.8%	46.259	N	6.835	E	10	G		1.1	9	SWITZERLAND
	08	12	08	37.7%	40.474	N	30.120	E	10	G		1.2	6	TURKEY
a	08	12	12	59.9	32.301	N	140.880	E	59		5.7	1.0	272	SOUTH OF HONSHU, JAPAN
	08	12	15	01.9	54.276	N	161.362	W	33	N	4.2	1.1	21	ALASKA PENINSULA
	08	13	11	15.4*	41.130	N	19.889	E	10	G		1.4	8	ALBANIA. ML 2.7 (SKO).
	08	15	00	00.0&	37.231	N	116.409	W	0		5.5 4.2		213	SOUTHERN NEVADA. <DOE>. ML 5.2 (BRK). 37° 13' 51.93" N., 116° 24' 33.80" W., Surface Elev. 2003 m., Depth of Burial 600 m., Shot Time 150000.087, "BARNWELL," Nevada Test Site (Dept. of Energy).
	08	15	58	52.4?	21.41	S	178.23	W	474	?	4.8	1.4	9	FIJI ISLANDS REGION
	08	16	27	31.4?	18.21	N	62.10	W	33	N		0.5	8	LEEWARD ISLANDS. ML 2.7 (FDF).
	08	16	37	08.8?	23.77	S	179.06	E	594	?	4.2	1.2	10	SOUTH OF FIJI ISLANDS
	08	16	52	39.5	19.912	S	133.748	E	10	G		1.3	12	NORTHERN TERRITORY, AUSTRALIA
	08	17	03	59.1*	9.256	S	119.337	E	33	N	4.5	1.0	13	SUMBA ISLAND REGION
	08	17	07	48.6	37.301	N	21.047	E	10	G	4.6	1.3	66	SOUTHERN GREECE. ML 4.1 (ATH).
a	08	17	23	30.2	36.552	N	140.917	E	47	D	5.4 5.2	0.9	235	NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) at Mita and Chashi; (III JMA) at Tokyo.
	08	18	11	04.2*	3.193	S	79.072	W	10	G		0.6	6	NEAR COAST OF ECUADOR
	08	18	33	25.2*	37.720	N	20.981	E	11			1.1	18	IONIAN SEA. MD 3.7 (ATH).
	08	18	34	06.4&	62.610	N	142.665	W	1				25	CENTRAL ALASKA. <AGS-P>. ML 4.0 (PMR).
	08	18	35	10.1?	16.32	N	61.31	W	133	*		1.3	14	LEEWARD ISLANDS. MD 3.2 (TRN).
	08	19	27	46.1	10.189	N	126.303	E	56	*	4.7	1.2	23	PHILIPPINE ISLANDS REGION
	08	19	58	07.5?	10.15	N	126.50	E	33	N	5.0	1.1	9	PHILIPPINE ISLANDS REGION
	08	20	37	46.0	45.494	N	26.956	E	10	G		0.7	7	ROMANIA
	08	22	18	49.2	9.991	N	126.374	E	86	*	5.1	1.3	35	MINDANAO, PHILIPPINE ISLANDS
	08	23	04	51.4	39.754	N	113.849	E	10	G		1.1	11	NORTHEASTERN CHINA. ML 4.3 (BJI).
	09	01	32	43.9	42.875	N	12.596	E	10	G		0.4	6	CENTRAL ITALY. MD 2.5 (SSO).
	09	01	38	13.5*	24.696	N	121.104	E	10	G		1.1	6	TAIWAN
	09	01	48	58.0*	4.195	S	152.823	E	10	G	4.7	0.5	14	NEW BRITAIN REGION
	09	02	45	20.1%	44.309	N	7.415	E	10	G		0.6	6	NORTHERN ITALY. ML 2.1 (GEN).
	09	02	58	37.5	45.591	N	111.221	W	5	G		0.2	8	MONTANA. ML 3.1 (BUT).
	09	06	14	59.6&	53.029	N	160.710	W	20				10	SOUTH OF ALASKA. <PAL>.
	09	07	01	33.0?	54.41	N	162.65	W	69			0.8	11	ALASKA PENINSULA
	09	10	28	29.6*	26.738	N	126.343	E	154	?	4.5	1.0	20	RYUKYU ISLANDS
	09	11	15	23.5*	38.808	N	16.328	E	10	G		0.9	8	SOUTHERN ITALY
	09	11	32	28.5	22.872	N	94.592	E	115		4.8	1.0	49	BURMA
	09	13	04	22.0	39.785	N	25.443	E	5	G		1.0	27	AEGEAN SEA. MD 3.3 (ATH).
	09	14	33	59.9	10.215	N	126.404	E	42	*	5.0 4.4	1.0	53	PHILIPPINE ISLANDS REGION
	09	14	34	50.1*	32.737	S	70.912	W	78	*		1.0	15	CHILE-ARGENTINA BORDER REGION
	09	15	55	43.5*	6.781	S	129.702	E	190	?	4.7	1.0	8	BANDA SEA
	09	15	56	36.3*	4.371	S	135.087	E	33	N	5.2	1.2	13	WEST IRIAN REGION
	09	17	22	52.0?	21.13	S	68.82	W	33	N		0.5	5	CHILE-BOLIVIA BORDER REGION
	09	18	09	04.0%	26.386	S	27.429	E	5	G		0.8	5	REPUBLIC OF SOUTH AFRICA
	09	19	05	10.7	32.688	S	71.462	W	10	G		0.9	16	NEAR COAST OF CENTRAL CHILE
	09	19	35	33.9	3.698	N	128.067	E	154	D	5.4	1.0	32	NORTH OF HALMAHERA
f	09	20	38	08.5	0.141	N	123.340	E	151	G	6.2	1.1	427	MINAHASSA PENINSULA. Ma=2.0*10**19 Nm (PPT). mb 6.8 (PAS). Depth from broadband displacement seismograms.
	09	20	59	33.3	38.118	N	74.960	E	104	*	5.1	0.9	51	TAJIK-XINJIANG BORDER REGION
	09	21	05	25.4	17.657	S	122.394	E	10	G	4.8	1.4	18	WESTERN AUSTRALIA
	09	21	15	06.0	1.097	N	30.315	W	10	G	4.9	0.9	41	CENTRAL MID-ATLANTIC RIDGE
	09	21	33	57.9*	0.143	N	123.628	E	189	*	4.8	1.2	16	MINAHASSA PENINSULA
	09	21	34	20.2	35.870	N	27.084	E	10	G		0.7	6	DODECANESE ISLANDS. MD 3.5 (ATH).
	09	22	06	16.0	38.385	N	25.034	E	43		4.2	1.0	89	AEGEAN SEA
	09	22	32	08.8	38.329	N	24.971	E	10	G		0.8	9	AEGEAN SEA. ML 3.2 (ATH).
	09	22	47	28.4&	59.961	N	147.436	W	5				7	GULF OF ALASKA. <AGS-P>.
	09	23	03	36.3*	71.026	N	6.148	W	10	G	4.5	1.5	24	JAN MAYEN ISLAND REGION
	10	00	57	36.8*	17.528	S	122.461	E	10	G		1.1	8	WESTERN AUSTRALIA
	10	01	02	00.7?	21.41	S	68.68	W	33	N		0.9	5	CHILE-BOLIVIA BORDER REGION
	10	01	05	55.8	38.304	N	25.036	E	10	G		1.0	6	AEGEAN SEA. ML 2.9 (ATH).
	10	01	18	47.5	12.654	N	125.060	E	58	*	5.1 4.4	1.2	75	SAMAR, PHILIPPINE ISLANDS
	10	01	44	51.5*	3.090	S	78.843	W	86	?		0.4	8	PERU-ECUADOR BORDER REGION
	10	02	53	59.8*	12.752	N	125.207	E	33	N	4.7	1.0	16	SAMAR, PHILIPPINE ISLANDS
	10	03	15	30.5	43.812	N	12.498	E	33	N		1.3	76	CENTRAL ITALY. ML 4.0 (KBA), 4.0 (VKA), 3.9 (LDG), 3.4 (LJU). MD 3.9 (FIR), 3.7 (TRI).
	10	03	59	31.5	4.505	S	135.418	E	33	N	4.8	1.0	14	WEST IRIAN REGION
	10	04	09	42.4?	51.89	N	16.83	E	10	G		0.5	8	POLAND. ML 3.7 (VKA), 3.3 (GRF), 3.3 (KBA), 2.8 (KRA).
	10	04	25	00.5?	33.99	S	72.18	W	10	G		0.5	10	OFF COAST OF CENTRAL CHILE
	10	04	26	22.4?	24.10	S	174.06	W	33	N	5.0	1.2	9	SOUTH OF TONGA ISLANDS
	10	04	50	15.6?	34.05	S	72.37	W	10	G		0.5	9	NEAR COAST OF CENTRAL CHILE
	10	04	55	33.0?	34.18	S	72.61	W	10	G		0.4	9	NEAR COAST OF CENTRAL CHILE
	10	04	56	54.3%	33.777	S	71.613	W	10	G		0.6	9	NEAR COAST OF CENTRAL CHILE
	10	04	57	26.6?	34.00	S	72.25	W	10	G		0.4	8	NEAR COAST OF CENTRAL CHILE
	10	07	44	32.3*	0.219	N	123.782	E	183	*	4.7	1.4	17	MINAHASSA PENINSULA
	10	07	56	37.7%	33.778	S	71.626	W	10	G		0.7	9	NEAR COAST OF CENTRAL CHILE
	10	08	42	54.5&	36.978	N	121.660	W	10				8	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	10	08	51	57.2	25.092	S	179.634	E	534	*	4.8	0.8	59	SOUTH OF FIJI ISLANDS
	10	10	15	37.6?	9.25	S	153.43	E	33	N	4.4 3.7	1.3	5	DENTRECASTEAUX ISLANDS REGION
	10	10	30	30.8	43.260	N	19.455	E	10	G		1.0	10	YUGOSLAVIA. ML 2.8 (TTG).
	10	10	41	12.2*	27.489	S	71.806	W	40	*	4.8	1.1	19	NEAR COAST OF NORTHERN CHILE
	10	11	58	14.4*	24.674	N	70.992	E	33	N	4.7	1.6	20	INDIA-PAKISTAN BORDER REG.
	10	13	08	16.7?	40.61	N	123.80	W	10	G		0.9	4	NORTHERN CALIFORNIA. ML 2.9 (BRK).
	10	13	21	20.9?	31.26	S	67.65	W	10	G		1.2	10	SAN JUAN PROVINCE, ARGENTINA
	10	14	09	32.3&	61.379	N	151.423	W	64				38	SOUTHERN ALASKA. <AGS-P>.
	10	14	16	44.7*	18.546	N	145.664	E	152	*	4.9	1.1	29	MARIANA ISLANDS
	10	14	51	09.0?	33.92	S	72.09	W	10	G		0.5	9	OFF COAST OF CENTRAL CHILE
	10	15	37	13.9?	40.60	N	123.80	W	10	G		0.7	4	NORTHERN CALIFORNIA. ML 2.8 (BRK).
	10	15	38	31.3*	10.969	N	62.480	W	33	N		1.0	7	NEAR COAST OF VENEZUELA. MD 3.1 (TRN).
	10	15	46	59.9&	62.417	N	148.140	W	11				32	CENTRAL ALASKA. <AGS-P>.

	10	16 30 16.0?	34.11	S	72.43	W	10	G			0.5	10	NEAR COAST OF CENTRAL CHILE
	10	16 35 23.7?	11.05	S	121.13	E	33	N			1.2	6	SOUTH OF TIMOR
	10	17 24 18.2&	40.577	N	123.822	W	8					16	NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt (IV) at Arcata and McKinleyville.
	10	18 41 28.3*	16.090	N	61.014	W	33	N			0.5	5	LEEWARD ISLANDS. ML 1.9 (FDF).
	10	18 51 17.5&	60.215	N	153.579	W	176					13	SOUTHERN ALASKA. <AGS-P>.
	10	19 55 25.3?	55.60	N	98.40	E	33	N	4.2		1.3	8	CENTRAL USSR
	10	20 15 49.4*	23.763	N	121.854	E	10	G			0.4	7	TAIWAN
	10	21 06 55.5?	18.39	N	67.01	W	33	N			1.0	5	MONA PASSAGE
	10	21 14 17.3?	14.37	N	56.17	E	10	G	4.6		1.5	12	ARABIAN SEA
	10	21 29 29.5?	2.13	S	151.98	E	69	?	4.3	3.6	1.4	13	NEW IRELAND REGION
	10	22 49 03.1%	38.094	N	5.034	W	10	G			0.8	6	SPAIN. mbLg 3.0 (MDD).
	11	00 14 02.0?	61.51	N	2.66	E	10	G			1.4	7	NORWEGIAN SEA. MD 2.1 (BER).
	11	00 57 50.8?	37.61	N	2.58	W	10	G			0.8	4	SPAIN. MD 2.8 (BER).
	11	02 46 16.7	35.965	N	119.932	W	5	G			0.9	8	CENTRAL CALIFORNIA. ML 2.5 (BRK).
	11	03 01 17.6	28.659	N	51.174	E	33	N	4.2		0.7	11	SOUTHERN IRAN
	11	03 11 16.2*	46.554	N	14.407	E	10	G			1.4	6	YUGOSLAVIA. ML 2.2 (KBA). MD 2.4 (LJU). Felt southeast of Klagenfurt, Austria.
	11	03 42 16.8&	59.232	N	152.051	W	75					15	SOUTHERN ALASKA. <AGS-P>.
	11	03 48 25.8?	9.10	S	128.49	E	164	?	4.6		1.4	10	TIMOR SEA
	11	04 19 57.4&	60.017	N	153.237	W	126					24	SOUTHERN ALASKA. <AGS-P>.
	11	04 46 05.7	43.975	N	139.722	E	228	*	4.7		0.9	91	EASTERN SEA OF JAPAN
	11	05 32 34.7%	44.303	N	7.359	E	11	G			0.3	7	NORTHERN ITALY. ML 2.3 (GEN).
	11	07 07 59.3	37.087	N	27.951	E	10	G			1.1	8	TURKEY
	11	07 08 11.2*	31.301	S	68.480	W	105	?			1.2	13	SAN JUAN PROVINCE, ARGENTINA
	11	07 11 50.8&	67.528	N	150.099	W	10	G				9	ALASKA. <AGS-P>.
	11	07 38 01.8*	10.141	N	126.229	E	114	?	4.3		1.3	18	PHILIPPINE ISLANDS REGION
	11	08 56 39.2	38.372	N	25.092	E	10				1.0	39	AEGEAN SEA. ML 3.9 (THE), 3.8 (ATH).
	11	09 40 13.0	38.349	N	25.102	E	10	G			1.1	7	AEGEAN SEA. ML 3.1 (ATH).
	11	10 04 55.5	10.179	N	126.324	E	70	*	4.8		1.3	31	PHILIPPINE ISLANDS REGION
	11	10 47 17.3*	32.708	S	71.772	W	10	G			1.0	15	NEAR COAST OF CENTRAL CHILE
	11	11 12 01.1?	32.37	S	71.86	W	10	G			0.3	8	NEAR COAST OF CENTRAL CHILE
	11	11 21 44.5	38.807	N	24.910	E	10	G			0.9	15	AEGEAN SEA. ML 3.0 (ATH).
	11	11 56 40.6?	32.29	S	71.96	W	10	G			0.3	8	NEAR COAST OF CENTRAL CHILE
	11	13 35 40.9%	60.079	N	4.512	E	10	G			0.5	9	SOUTHERN NORWAY. MD 2.2 (BER).
	11	13 51 24.4%	60.103	N	4.483	E	10	G			0.3	7	SOUTHERN NORWAY. MD 1.6 (BER).
	11	13 59 50.0%	60.108	N	4.410	E	10	G			0.9	8	SOUTHERN NORWAY. MD 1.5 (BER).
	11	14 32 26.1%	60.541	N	4.977	E	10	G			0.5	8	SOUTHERN NORWAY. MD 1.7 (BER).
	11	14 59 57.3?	40.21	N	126.84	W	10	G			0.5	10	OFF COAST OF NORTHERN CALIFORNIA. ML 3.5 (BRK).
	11	15 23 35.0	38.372	N	25.058	E	17		4.1		1.1	63	AEGEAN SEA. ML 4.4 (ATH), 3.9 (THE).
	11	15 33 09.2	38.349	N	25.007	E	10	G			0.9	13	AEGEAN SEA. ML 3.5 (ATH).
	11	15 36 38.9	38.367	N	25.060	E	13		4.1		1.1	58	AEGEAN SEA. ML 4.3 (ATH), 3.8 (THE).
	11	15 42 25.3%	43.939	N	7.703	E	10	G			0.4	7	NEAR SOUTH COAST OF FRANCE. ML 2.3 (GEN).
o	11	16 00 11.6	18.690	S	168.989	E	200	D	5.5		1.0	242	VANUATU ISLANDS
	11	16 19 24.0?	2.90	S	130.98	E	33	N	4.4		1.4	8	CERAM
	11	16 51 04.5?	34.46	S	70.42	W	131	?			0.2	10	CHILE-ARGENTINA BORDER REGION
	11	16 59 19.1	38.396	N	25.083	E	10	G			1.1	29	AEGEAN SEA. ML 3.8 (ATH).
	11	17 01 10.5%	46.193	N	2.828	E	10	G			0.3	7	FRANCE. ML 1.9 (LDG).
	11	17 28 51.9?	15.58	S	173.08	W	33	N	4.9	4.9	1.5	20	TONGA ISLANDS
	11	18 38 45.8*	4.538	S	135.239	E	33	N	4.8	4.7	1.4	18	WEST IRIAN REGION
	11	19 30 09.6*	21.686	S	68.980	W	33	N			0.7	6	CHILE-BOLIVIA BORDER REGION
	11	19 42 51.2	22.156	S	68.633	W	33	N			1.1	8	NORTHERN CHILE
	11	20 00 40.7	38.388	N	25.047	E	10	G			0.9	10	AEGEAN SEA. ML 3.0 (ATH).
	11	21 34 22.1	39.454	N	20.454	E	5				1.1	25	GREECE-ALBANIA BORDER REGION. ML 3.0 (THE). MD 3.3 (ATH).
	11	22 31 03.0&	35.792	N	121.387	W	8					12	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	11	23 05 20.4	40.693	N	21.593	E	10	G			1.1	9	GREECE. ML 2.6 (THE).
	11	23 23 45.7*	21.294	S	67.264	W	33	N			0.7	6	CHILE-BOLIVIA BORDER REGION
	11	23 25 05.9?	9.25	N	62.20	W	10	G			0.8	6	NEAR COAST OF VENEZUELA
	11	23 35 24.3*	35.148	N	26.482	E	10	G			1.3	12	CRETE
	11	23 36 59.5*	34.062	N	26.696	E	33	N			1.5	12	CRETE. MD 3.8 (ATH).
	12	00 56 21.7	44.484	N	6.987	E	10	G			0.3	6	FRANCE. ML 2.0 (GEN).
	12	01 26 53.5?	36.45	N	70.68	E	176	?	4.6		0.4	5	HINDU KUSH REGION
	12	02 56 07.5*	15.161	N	60.972	W	33	N			0.3	6	LEEWARD ISLANDS. ML 2.1 (FDF).
	12	02 57 45.0*	39.502	N	22.587	E	10	G			0.6	8	GREECE. MD 3.0 (ATH).
	12	02 59 36.7?	40.29	N	127.34	W	10	G			0.5	11	OFF COAST OF NORTHERN CALIFORNIA. ML 3.7 (BRK).
	12	03 52 01.5&	37.148	N	121.998	W	13					20	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Felt (IV) at Boulder Creek and (III) at Santa Cruz. Also felt at Aptos and San Jose.
	12	03 55 17.9*	38.273	N	25.069	E	10	G			1.0	5	AEGEAN SEA. ML 3.0 (ATH).
	12	04 27 22.2	38.349	N	25.063	E	10	G	3.9		1.2	47	AEGEAN SEA. ML 4.2 (ATH).
	12	04 40 32.5*	29.144	N	52.514	E	10	G	4.3		0.5	9	SOUTHERN IRAN
	12	04 43 50.7&	64.478	N	146.911	W	13					23	CENTRAL ALASKA. <AGS-P>. ML 3.4 (PMR).
	12	05 29 45.7%	35.647	N	23.541	E	5	G			1.6	5	CRETE. MD 3.4 (ATH).
	12	06 01 11.8*	5.253	N	94.521	E	57	?	4.9		1.0	9	NORTHERN SUMATERA
	12	06 39 12.1*	17.245	N	95.713	W	102	*	4.3		1.0	11	OAXACA, MEXICO
	12	06 50 50.6	41.309	N	23.348	E	10	G			1.0	18	GREECE-BULGARIA BORDER REGION. MD 3.1 (ATH). ML 2.9 (THE), 2.6 (SKO).
	12	06 52 50.6?	32.10	S	71.33	W	10	G			0.4	6	NEAR COAST OF CENTRAL CHILE
	12	06 57 02.5*	10.322	N	126.525	E	33	N	4.7		1.4	22	PHILIPPINE ISLANDS REGION
	12	07 22 22.4?	43.74	N	148.01	E	33	N	4.6		0.6	9	KURIL ISLANDS REGION
	12	07 37 36.3	38.206	N	23.274	E	10	G			0.5	9	GREECE. ML 2.3 (ATH).
o	12	08 33 56.2	4.684	S	130.827	E	74	G	5.8		1.2	158	BANDA SEA. Depth from broadband displacement seismograms.
	12	08 42 39.3&	58.171	N	151.281	W	10					17	KODIAK ISLAND REGION. <AGS-P>. ML 3.9 (PMR).
	12	08 57 48.6%	46.493	N	1.055	E	10	G			0.8	9	FRANCE. ML 2.7 (LDG).
	12	09 46 45.1%	43.931	N	7.702	E	10	G			0.1	6	NEAR SOUTH COAST OF FRANCE. ML 2.2 (GEN).
	12	11 02 57.2	4.390	S	135.351	E	33	N	4.9	4.5	1.1	35	WEST IRIAN REGION
	12	11 58 24.0	39.709	N	120.170	W	10	G			1.1	8	NORTHERN CALIFORNIA. ML 2.7 (BRK).
	12	12 00 34.1	31.870	S	67.994	W	125	*			0.8	14	SAN JUAN PROVINCE, ARGENTINA
	12	13 39 03.7	44.320	N	7.232	E	10	G			0.5	14	NORTHERN ITALY. ML 2.3 (LDG).
	12	14 20 00.1?	23.80	N	122.36	E	10	G			0.7	7	TAIWAN REGION
	12	14 46 04.1	38.341	N	24.995	E	10	G			0.8	15	AEGEAN SEA. ML 3.5 (ATH).

	12	15 45 15.6	41.333	N	20.074	E	5	G			1.1	12	ALBANIA. ML 2.8 (TTG), 2.9 (SKO), 2.9 (THE).
	12	16 15 36.6	20.809	S	67.171	W	211	D	5.0		1.1	148	SOUTHERN BOLIVIA
	12	18 48 00.9	42.131	N	15.611	E	10	G			1.4	21	ADRIATIC SEA. ML 3.0 (KBA).
	12	18 54 04.8	38.352	N	25.074	E	10	G			0.9	16	AEGEAN SEA. ML 3.2 (ATH).
	12	18 56 03.1*	38.931	N	27.638	E	10	G			1.3	7	TURKEY
	12	19 15 14.8*	13.953	N	120.945	E	10	G	4.8	4.1	1.2	11	MINDORO, PHILIPPINE ISLANDS
	12	19 25 02.5?	37.04	N	142.32	E	33	N	4.3		0.9	4	OFF EAST COAST OF HONSHU, JAPAN
	12	20 24 05.6?	51.84	N	178.11	E	135	?	3.9		1.1	7	RAT ISLANDS, ALEUTIAN ISLANDS
	12	21 21 16.9%	43.752	N	11.973	E	10	G			0.4	6	CENTRAL ITALY
	12	21 25 32.6	38.133	N	22.719	E	10	G			1.1	7	GREECE. ML 2.5 (ATH).
	12	22 07 19.2	25.523	N	102.381	E	10	G			0.9	6	YUNNAN PROVINCE, CHINA. ML 4.2 (BJI).
	12	22 10 45.1?	23.70	S	67.01	W	169	?			0.9	6	CHILE-ARGENTINA BORDER REGION
	13	00 25 26.8*	35.549	N	27.025	E	10	G			1.2	5	DODECANESE ISLANDS. MD 3.6 (ATH).
	13	01 10 11.0*	39.834	N	113.949	E	10	G			1.3	9	NORTHEASTERN CHINA. ML 4.1 (BJI).
	13	01 13 54.1	38.363	N	25.008	E	10	G			0.9	13	AEGEAN SEA. ML 3.2 (ATH).
	13	01 40 18.9*	3.183	S	130.195	E	87	?	4.8		1.4	14	CERAM
	13	02 09 12.9	38.352	N	25.040	E	10	G			1.4	6	AEGEAN SEA. ML 2.8 (ATH).
	13	02 19 27.4	14.357	N	61.006	W	10	G			0.6	11	WINDWARD ISLANDS. ML 2.9 (FDF).
	13	02 58 32.6*	42.085	N	15.549	E	10	G			0.9	5	ADRIATIC SEA
	13	04 03 56.0	32.654	S	71.839	W	47	*	4.9		1.3	40	NEAR COAST OF CENTRAL CHILE. Felt (III) in the Santiago area.
	13	05 04 37.9?	32.52	S	71.91	W	10	G			0.2	9	NEAR COAST OF CENTRAL CHILE
	13	05 19 57.3?	4.88	S	153.48	E	84	?	5.1		1.0	13	NEW IRELAND REGION
	13	05 45 09.3?	32.40	S	72.03	W	10	G			0.3	9	OFF COAST OF CENTRAL CHILE
	13	06 22 41.7*	6.513	N	82.654	W	10	G	4.6		1.0	18	SOUTH OF PANAMA. MD 4.6 (UPA).
	13	07 23 10.0	38.406	N	73.704	E	97	*	5.0		1.2	21	TAJIK-XINJIANG BORDER REGION
	13	08 08 14.1	44.801	N	6.771	E	10	G			0.6	43	FRANCE. ML 3.2 (GEN), 3.1 (LDG).
	13	08 14 52.1?	42.90	N	12.97	E	10	G			0.3	4	CENTRAL ITALY. MD 2.4 (SSO).
	13	09 04 25.4?	54.64	N	165.32	W	135	?			1.0	10	FOX ISLANDS, ALEUTIAN ISLANDS
	13	09 43 51.1*	20.594	S	178.296	W	522	*	4.4		0.5	24	FIJI ISLANDS REGION
	13	12 10 02.2	40.470	N	22.006	E	10	G			0.5	8	GREECE. ML 2.9 (THE).
	13	12 30 53.5?	40.06	N	23.73	E	5	G			0.7	4	GREECE. ML 1.0 (THE).
	13	13 09 53.5	20.447	N	65.509	W	10	G			0.6	15	NORTH ATLANTIC OCEAN
a	13	13 30 32.7*	2.673	N	95.415	W	10	G	4.7	5.0	1.0	25	GALAPAGOS ISLANDS REGION
	13	13 44 07.0%	11.056	N	61.984	W	33	N			1.3	6	WINDWARD ISLANDS. MD 3.3 (TRN).
	13	14 32 27.6&	59.338	N	144.750	W	10	G				22	GULF OF ALASKA. <AGS-P>.
	13	14 48 04.0*	22.708	N	121.384	E	10	G			0.6	9	TAIWAN REGION
	13	16 32 28.4?	43.32	N	13.23	E	10	G			0.3	4	CENTRAL ITALY
	13	17 17 53.6*	34.656	N	33.614	E	10	G			0.4	5	CYPRUS. ML 2.8 (CSS).
	13	18 15 40.0?	41.74	N	24.27	E	10	G			0.8	5	GREECE-BULGARIA BORDER REGION. ML 2.5 (THE).
	13	18 37 01.7?	34.92	N	24.85	E	10	G			1.3	6	CRETE. ML 3.7 (ATH).
	13	18 59 44.3*	32.710	S	71.672	W	33	N			0.8	11	NEAR COAST OF CENTRAL CHILE
	13	19 18 21.6*	17.966	S	178.678	W	617	?	4.5		0.9	47	FIJI ISLANDS REGION
	13	19 48 51.8*	17.743	S	178.680	W	542	?	4.4		0.7	33	FIJI ISLANDS REGION
	13	21 16 55.9?	34.15	S	72.62	W	10	G			0.4	9	NEAR COAST OF CENTRAL CHILE
	13	23 21 07.6	36.232	N	26.997	E	10	G			1.4	13	DODECANESE ISLANDS. MD 3.7 (ATH).
	14	01 58 31.6&	60.161	N	147.357	W	0					4	SOUTHERN ALASKA. <AGS-P>.
	14	02 12 56.9*	21.907	N	144.352	E	67	D	4.6		0.9	23	MARIANA ISLANDS REGION
	14	03 02 52.4	45.071	N	7.432	E	10	G			0.3	7	NORTHERN ITALY. ML 2.3 (GEN).
	14	03 51 42.0*	35.891	N	32.607	E	33	N			1.1	7	CYPRUS. ML 3.0 (CSS).
	14	03 58 03.0*	12.718	N	59.465	W	30	*			1.1	16	WINDWARD ISLANDS. ML 3.4 (FDF). MD 4.0 (TRN).
	14	04 13 05.9%	37.989	N	115.425	E	33	N			1.5	5	NORTHEASTERN CHINA. ML 3.8 (BJI).
	14	04 25 04.0*	36.333	N	141.179	E	57	*	4.5		0.8	24	NEAR EAST COAST OF HONSHU, JAPAN
	14	04 46 16.4?	15.80	N	60.43	W	33	N			0.2	4	LEEWARD ISLANDS
	14	05 14 24.7?	13.84	N	93.55	W	33	N			1.1	5	OFF COAST OF CHIAPAS, MEXICO
	14	05 41 18.4?	11.08	S	119.25	E	33	N	4.2		1.4	13	SOUTH OF SUMBA ISLAND
	14	06 53 15.4	39.228	N	21.920	E	10	G			1.3	9	GREECE. ML 3.0 (THE). MD 3.2 (ATH).
	14	08 29 16.1	15.949	N	60.956	W	70				0.6	26	LEEWARD ISLANDS. MD 4.0 (TRN). Felt (III) on Guadeloupe and (II) on Martinique.
	14	09 52 56.2	22.626	S	68.709	W	111	D	4.8		1.1	61	NORTHERN CHILE. Felt (V) in the Calama area.
	14	10 38 36.5*	0.973	N	126.137	E	33	N	4.9		1.1	27	MOLUCCA PASSAGE
	14	11 43 55.1	43.575	N	16.887	E	10	G			1.5	15	YUGOSLAVIA. ML 3.0 (TTG), 3.0 (KBA). MD 3.3 (TRI).
	14	13 02 46.0*	6.090	S	122.692	E	33	N	4.7		0.9	12	FLORES SEA
	14	13 43 25.2*	16.986	N	99.731	W	33	N			1.1	5	NEAR COAST OF GUERRERO, MEXICO
	14	15 19 41.5&	60.075	N	152.347	W	82		3.7			24	SOUTHERN ALASKA. <AGS-P>. Felt (IV) at Homer.
	14	15 25 18.9%	44.279	N	8.020	E	10	G			0.2	6	NORTHERN ITALY. ML 2.2 (GEN).
	14	17 28 03.8*	14.804	N	99.152	E	10	G			0.8	6	SOUTHEAST ASIA
	14	17 44 16.9?	17.25	S	75.75	W	33	N			1.4	6	OFF COAST OF PERU
	14	18 22 13.7*	43.194	N	12.875	E	10	G			0.3	5	CENTRAL ITALY. MD 2.7 (SSO).
	14	18 27 04.1	8.730	N	126.980	E	40	D	4.8		1.4	33	MINDANAO, PHILIPPINE ISLANDS
	14	18 51 29.9?	24.25	S	172.93	W	33	N			0.7	8	SOUTH OF TONGA ISLANDS
a	14	19 13 53.8	10.445	S	161.275	E	38	D	5.6	5.8	1.0	177	SOLOMON ISLANDS. Ms 5.7 (BRK). Felt (IV) at Honiaro.
	14	19 21 48.4	39.741	N	23.479	E	10	G			0.7	16	AEGEAN SEA. ML 2.9 (THE). MD 3.2 (ATH).
	14	20 31 53.9&	60.348	N	152.744	W	129					19	SOUTHERN ALASKA. <AGS-P>.
	14	22 00 55.6&	58.122	N	151.333	W	66					18	KODIAK ISLAND REGION. <AGS-P>.
	14	22 29 56.2&	60.076	N	152.969	W	107					36	SOUTHERN ALASKA. <AGS-P>.
	14	22 54 51.5*	11.273	N	62.304	W	28	*			1.1	11	WINDWARD ISLANDS. MD 3.5 (TRN). Felt (II) on Trinidad.
	15	00 14 22.7*	31.439	S	69.971	W	174	?			0.4	12	SAN JUAN PROVINCE, ARGENTINA
	15	00 33 32.7%	39.494	N	2.335	W	10	G			0.9	5	SPAIN. mbLg 2.9 (MDD).
	15	00 56 02.3	37.506	N	20.521	E	45	*	4.2		1.1	34	IONIAN SEA. ML 3.8 (ATH), 3.6 (THE).
	15	02 07 13.4*	39.473	N	25.472	E	10	G			1.6	7	AEGEAN SEA
	15	02 39 15.6?	16.91	S	67.22	E	10	G	4.8	4.6	0.5	7	MID-INDIAN RISE
	15	02 50 37.3*	38.529	N	21.681	E	10	G			1.6	8	GREECE. ML 2.9 (THE). MD 3.3 (ATH).
	15	03 28 12.5	44.452	N	7.071	E	8				0.4	19	NORTHERN ITALY. ML 2.7 (LDG), 2.5 (GEN).
	15	03 31 47.8*	2.892	S	78.115	W	33	N			1.5	12	ECUADOR
	15	04 37 22.2?	16.02	N	60.97	W	33	N			0.7	4	LEEWARD ISLANDS. ML 2.1 (FDF).
	15	06 00 22.1%	44.045	N	7.992	E	10	G			0.3	7	NORTHERN ITALY. ML 2.1 (GEN).
	15	06 08 20.7?	6.73	S	130.24	E	118	?	4.8		1.4	9	BANDA SEA
	15	06 24 16.3?	24.56	N	125.83	E	33	N	4.6		1.5	6	SOUTHWESTERN RYUKYU ISLANDS
	15	07 31 50.1*	24.395	N	122.232	E	33	N			1.6	14	TAIWAN REGION. ML 4.1 (BJI).
	15	08 38 33.1&	36.808	N	121.542	W	3					13	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	15	09 45 08.7	21.259	N	45.668	W	10	G	5.0	4.0	0.9	64	NORTH ATLANTIC RIDGE
	15	10 07 19.6	8.952	S	113.212	E	33	N	4.7		1.0	19	JAVA

	15	11	55	58.6	34.271	S	70.309	W	10	G		0.3	10	CHILE-ARGENTINA BORDER REGION
	15	12	28	35.8?	49.80	N	0.21	W	10	G		1.7	6	FRANCE. ML 3.0 (LDG).
a	15	12	30	56.5	11.329	S	162.313	E	33	N	5.2 5.0	1.1	77	SOLOMON ISLANDS
	15	12	47	00.2	40.490	N	21.820	E	10	G		1.5	9	GREECE. MD 3.5 (ATH).
	15	13	39	28.4	6.323	S	104.434	E	62	D	5.1	1.1	51	SUNDA STRAIT
	15	14	37	30.5	43.731	N	12.311	E	10	G		0.6	11	CENTRAL ITALY. MD 2.6 (SSO).
	15	15	15	52.4%	40.728	N	29.992	E	10	G		0.9	5	TURKEY
	15	17	59	28.4	38.384	N	24.944	E	10	G		0.3	6	AEGEAN SEA. ML 2.9 (ATH).
f	15	18	43	45.0	8.337	N	126.729	E	24	G	6.2 7.3	1.4	204	MINDANAO, PHILIPPINE ISLANDS. Ms 7.4 (BRK), 6.9 (PAS). Mo=4.0*10**20 Nm (PPT). At least one person killed and many injured on Mindonao. Damage (VII RF) at Bislig. Felt (VI RF) at Cotaboto and Davao and (I RF) at Dipolog. Also felt (IV RF) on Camiguin, (III RF) on Cebu and (I RF) in southeastern Luzon. Two events about 10.5 seconds apart. Depth from broadband displacement seismograms, based on second event.
	15	18	53	38.2	8.397	N	126.485	E	33	N	6.0	1.0	48	MINDANAO, PHILIPPINE ISLANDS
	15	18	57	25.6	7.866	N	126.877	E	44	D	5.7	1.2	45	MINDANAO, PHILIPPINE ISLANDS
	15	19	01	43.5	40.734	N	27.394	E	10	G		1.2	10	TURKEY
	15	19	10	34.9?	40.38	N	22.26	E	10	G		0.3	4	GREECE
	15	19	25	59.9*	8.026	N	126.951	E	33	N	5.6	1.2	32	MINDANAO, PHILIPPINE ISLANDS
	15	19	34	23.1*	8.474	N	126.570	E	33	N	4.9	1.1	26	MINDANAO, PHILIPPINE ISLANDS
	15	19	36	21.8*	8.010	N	126.548	E	37	D	5.2	1.0	25	MINDANAO, PHILIPPINE ISLANDS
	15	19	46	57.5*	8.340	N	126.944	E	43	D	5.0	1.4	21	MINDANAO, PHILIPPINE ISLANDS
	15	19	47	43.4?	8.22	N	126.62	E	33	N	4.8	1.0	8	MINDANAO, PHILIPPINE ISLANDS
	15	19	58	14.1*	8.456	N	126.661	E	33	N	4.7	1.0	20	MINDANAO, PHILIPPINE ISLANDS
	15	20	05	36.1?	8.04	N	126.56	E	33	N	4.8	1.1	6	MINDANAO, PHILIPPINE ISLANDS
	15	20	16	49.9?	8.00	N	126.57	E	33	N	4.8	0.5	9	MINDANAO, PHILIPPINE ISLANDS
	15	20	26	28.1?	8.33	N	126.64	E	33	N	4.7	1.3	13	MINDANAO, PHILIPPINE ISLANDS
	15	20	33	50.0?	7.77	N	126.96	E	33	N	4.2	0.9	7	MINDANAO, PHILIPPINE ISLANDS
	15	20	44	37.2	8.125	N	126.804	E	42	D	5.3 5.1	1.1	73	MINDANAO, PHILIPPINE ISLANDS
	15	21	06	45.0	7.865	N	126.757	E	39	D	5.1	1.0	43	MINDANAO, PHILIPPINE ISLANDS
	15	21	20	18.5	8.181	N	126.724	E	34	D	4.9	1.2	37	MINDANAO, PHILIPPINE ISLANDS
	15	21	21	42.0*	7.885	N	126.770	E	42	D	4.9	1.4	29	MINDANAO, PHILIPPINE ISLANDS
	15	22	21	05.0*	7.930	N	126.689	E	44	D	4.7	0.9	15	MINDANAO, PHILIPPINE ISLANDS
	15	22	55	36.4	37.457	N	22.126	E	10	G		0.8	8	SOUTHERN GREECE. ML 3.7 (THE), 3.3 (ATH).
	15	23	26	23.9*	8.264	N	126.442	E	33	N	4.9	1.1	16	MINDANAO, PHILIPPINE ISLANDS
	15	23	33	01.2%	44.057	N	7.974	E	10	G		0.2	7	NORTHERN ITALY. ML 2.0 (GEN).
	15	23	52	48.6	37.442	N	22.169	E	10	G		1.5	10	SOUTHERN GREECE. ML 3.3 (ATH).
	16	00	11	30.8?	6.01	N	124.71	E	33	N	4.8	1.3	6	MINDANAO, PHILIPPINE ISLANDS
	16	00	33	36.6	8.431	N	126.942	E	37	D	5.3 5.4	1.2	106	MINDANAO, PHILIPPINE ISLANDS
	16	00	53	45.0	8.396	N	126.848	E	30	D	5.4 5.5	1.2	104	MINDANAO, PHILIPPINE ISLANDS
	16	01	05	03.7*	7.547	N	127.056	E	33	N	4.9	1.0	13	PHILIPPINE ISLANDS REGION
	16	01	06	54.9*	34.513	N	22.958	E	33	N	4.7	1.4	20	MEDITERRANEAN SEA. MD 4.2 (HLW). ML 3.7 (ATH).
	16	01	47	00.7&	58.978	N	154.137	W	116				14	ALASKA PENINSULA. <AGS-P>.
	16	02	40	47.4	3.610	S	131.180	E	25	D	5.5 5.1	1.1	78	WEST IRIAN REGION
	16	03	07	39.6*	17.167	N	62.309	W	33	N		0.2	6	LEEWARD ISLANDS. ML 2.4 (FDF).
	16	03	13	16.4%	38.896	N	27.757	E	10	G		1.0	7	TURKEY
	16	04	06	26.3	8.080	N	126.824	E	36	D	5.0 4.6	1.3	46	MINDANAO, PHILIPPINE ISLANDS
	16	05	00	27.6	44.124	N	6.766	E	10	G		0.4	24	FRANCE. ML 3.0 (GEN), 2.9 (LDG).
	16	06	34	24.0*	7.762	N	126.764	E	33	N	4.7	0.9	13	MINDANAO, PHILIPPINE ISLANDS
	16	06	56	36.2?	23.66	S	63.72	W	33	N		0.7	9	SALTA PROVINCE, ARGENTINA
	16	07	57	52.8*	7.860	N	127.151	E	33	N	4.6 4.2	1.4	15	PHILIPPINE ISLANDS REGION
	16	08	54	28.6*	8.265	N	127.128	E	33	N	4.8	1.3	17	PHILIPPINE ISLANDS REGION
	16	09	22	10.2*	37.761	N	22.700	E	5	G		1.6	6	SOUTHERN GREECE. ML 2.8 (ATH).
a	16	10	24	44.6	7.976	N	126.873	E	31	D	5.3 5.0	1.4	84	MINDANAO, PHILIPPINE ISLANDS
	16	10	35	31.4	8.067	N	127.091	E	36	D	4.9	1.2	31	PHILIPPINE ISLANDS REGION
	16	10	40	20.2	7.777	N	126.806	E	34	D	5.5 5.3	1.2	98	MINDANAO, PHILIPPINE ISLANDS
	16	10	45	42.0	38.591	N	138.517	E	21	D	5.0	0.9	50	NEAR WEST COAST OF HONSHU, JAPAN
	16	11	01	35.9*	7.501	N	127.060	E	31	D	5.0	1.0	15	PHILIPPINE ISLANDS REGION
	16	11	05	16.0	8.453	N	126.578	E	33	D	5.1 4.7	1.1	61	MINDANAO, PHILIPPINE ISLANDS
	16	11	20	40.6	37.380	N	121.720	W	5	G		0.3	7	CENTRAL CALIFORNIA. ML 2.4 (NEIS).
	16	11	52	43.2?	38.73	N	21.97	E	10	G		0.6	6	GREECE. ML 2.7 (THE).
	16	12	13	47.4	7.624	N	127.023	E	33	N	5.1	1.0	29	PHILIPPINE ISLANDS REGION
	16	12	19	24.7*	51.129	N	179.252	W	33	N	4.5	1.2	25	ANDREANOF ISLANDS, ALEUTIAN IS.
	16	12	21	49.5%	46.546	N	3.378	E	10	G		1.5	12	FRANCE. ML 2.8 (LDG).
	16	12	25	55.4*	51.289	N	178.963	W	33	N	4.2	0.9	14	ANDREANOF ISLANDS, ALEUTIAN IS.
	16	12	46	38.8	39.672	N	143.497	E	27	D	4.9 4.2	1.2	52	OFF EAST COAST OF HONSHU, JAPAN
	16	12	51	10.0	17.754	N	63.444	W	33	N		0.4	15	LEEWARD ISLANDS. ML 4.0 (FDF). MD 4.0 (TRN). Felt on St. Martin.
	16	12	55	37.2	7.654	N	127.031	E	35	D	5.1	0.9	26	PHILIPPINE ISLANDS REGION
	16	12	57	22.1*	26.696	N	56.946	E	33	N	4.1	0.3	7	SOUTHERN IRAN
	16	13	48	58.2?	19.18	N	66.36	W	33	N		0.1	5	PUERTO RICO REGION
	16	14	16	35.5*	39.750	N	143.598	E	33	N	4.6	0.9	11	OFF EAST COAST OF HONSHU, JAPAN
	16	14	23	10.2?	31.56	S	71.98	W	33	N		1.3	12	NEAR COAST OF CENTRAL CHILE
	16	14	30	21.5*	8.525	N	126.785	E	33	N	4.6	0.8	9	MINDANAO, PHILIPPINE ISLANDS
	16	14	38	56.5?	6.61	N	73.62	W	191	?	4.4	0.7	6	NORTHERN COLOMBIA
	16	14	55	41.6*	7.937	N	126.768	E	41	D	4.8	1.3	31	MINDANAO, PHILIPPINE ISLANDS
	16	15	20	33.6	38.393	N	21.826	E	10	G		1.6	13	GREECE. ML 3.0 (THE), 3.0 (ATH).
	16	15	21	53.9&	34.570	N	119.130	W	5				16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).
	16	15	22	43.0*	7.774	N	126.808	E	33	N	4.9 3.9	1.2	22	MINDANAO, PHILIPPINE ISLANDS
	16	15	47	10.6?	29.68	S	71.93	W	33	N		1.6	11	NEAR COAST OF CENTRAL CHILE
	16	16	15	06.4&	60.779	N	138.995	W	5	G	4.2		37	SOUTHERN YUKON TERRITORY, CANADA. <PGC>. ML 4.3 (PGC), 3.8 (PMR).
	16	17	24	27.1	65.736	N	134.739	W	10	G	4.7	1.3	19	NORTHERN YUKON TERRITORY, CANADA
	16	17	30	28.0	38.382	N	21.936	E	10	G		1.3	15	GREECE. ML 3.1 (THE), 3.0 (ATH).
	16	17	44	56.5?	7.26	N	127.01	E	33	N	4.9	1.3	11	PHILIPPINE ISLANDS REGION
a	16	17	49	54.2	8.135	N	126.889	E	38	D	5.4 4.9	1.3	92	MINDANAO, PHILIPPINE ISLANDS
	16	17	56	19.9	4.593	S	135.289	E	33	N	5.3	1.1	16	WEST IRIAN REGION
	16	18	02	03.7*	40.780	N	20.909	E	10	G		1.4	7	GREECE-ALBANIA BORDER REGION. ML 2.6 (THE), 2.5 (SKO). MD 2.9 (ATH).
	16	18	16	00.3?	8.26	N	126.17	E	33	N	4.6	1.2	6	MINDANAO, PHILIPPINE ISLANDS
	16	18	22	58.7%	33.055	S	117.050	E	10	G		0.5	5	WESTERN AUSTRALIA

	16	19	36	06.8?	13.64	N	91.88	W	33	N	4.6		1.5	9	NEAR COAST OF GUATEMALA
	16	20	13	10.7*	17.020	S	173.685	W	33	N	4.9		1.1	8	TONGA ISLANDS
	16	20	28	45.7	6.807	N	71.778	W	36	*	4.7	4.3	1.0	22	NORTHERN COLOMBIA
	16	20	53	15.0?	37.42	N	20.31	E	10	G			0.8	7	IONIAN SEA. ML 3.0 (THE). MD 3.1 (ATH).
	16	20	55	37.1	34.585	N	57.516	E	33	N	4.5	4.4	1.1	49	IRAN
	16	21	10	39.0	35.183	N	26.612	E	87		4.5		1.0	115	CRETE. MD 4.3 (HLW).
	16	21	13	22.5?	13.35	N	91.73	W	33	N	4.6		1.7	7	NEAR COAST OF GUATEMALA
	16	21	25	40.0	45.722	N	14.143	E	10	G			0.3	10	YUGOSLAVIA. MD 2.8 (LJU), 2.5 (TRI). ML 2.1 (KBA). Felt (IV) in the Hrusica area. Also felt at Studeno.
	16	22	40	38.3	26.068	N	128.425	E	28	D	4.9		1.0	54	RYUKYU ISLANDS
	16	22	47	51.5%	31.832	S	69.249	W	33	N			0.8	6	SAN JUAN PROVINCE, ARGENTINA
a	16	23	25	35.3	40.011	N	143.291	E	22	D	5.7	5.3	1.0	228	OFF EAST COAST OF HONSHU, JAPAN
	17	00	11	24.8	7.742	N	126.860	E	47	D	4.7	4.3	1.2	32	MINDANAO, PHILIPPINE ISLANDS
	17	00	15	56.1	35.593	N	27.024	E	26				1.7	16	DODECANESE ISLANDS. ML 3.9 (ATH).
	17	00	27	46.1	7.817	N	126.803	E	46	D	5.1	4.4	1.3	71	MINDANAO, PHILIPPINE ISLANDS
	17	00	39	38.1	6.487	S	154.219	E	22	D	5.1		1.2	47	SOLOMON ISLANDS
a	17	02	12	21.9	3.808	S	127.531	E	24	D	5.2		1.0	98	CERAM
	17	03	00	36.0?	33.62	N	135.30	E	33	N	4.7		1.4	8	NEAR S. COAST OF SOUTHERN HONSHU
a	17	03	12	18.0	8.486	S	92.233	E	25	D	5.4	5.3	1.0	191	SOUTH INDIAN OCEAN
	17	03	57	49.2	39.617	N	26.245	E	10	G			1.4	23	TURKEY. MD 3.4 (ATH).
	17	05	03	45.5%	39.313	N	28.256	E	10	G			0.7	7	TURKEY
a	17	05	30	26.7	33.139	N	142.274	E	41	D	5.6	4.5	0.9	212	OFF EAST COAST OF HONSHU, JAPAN
	17	07	05	34.7	8.861	N	126.850	E	41	D	5.1	4.2	1.2	36	MINDANAO, PHILIPPINE ISLANDS
	17	07	12	15.8	38.480	N	26.678	E	10	G			1.5	10	AEGEAN SEA. MD 3.2 (ATH).
	17	07	25	34.9*	4.077	N	96.026	E	76	*	4.0		1.0	10	NORTHERN SUMATERA
	17	07	32	29.6	1.262	S	78.348	W	33	N	4.9		1.5	60	ECUADOR
	17	07	39	20.6&	63.628	N	149.673	W	120					42	CENTRAL ALASKA. <AGS-P>.
	17	08	11	05.6	39.552	N	143.332	E	20	D	5.2	4.9	1.1	102	OFF EAST COAST OF HONSHU, JAPAN
	17	08	24	37.3?	34.06	S	72.19	W	33	N			0.8	9	NEAR COAST OF CENTRAL CHILE
	17	08	26	14.8%	38.858	N	27.736	E	10	G			0.7	7	TURKEY
	17	08	41	43.3&	36.658	N	121.325	W	4					13	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	17	08	58	15.4*	44.269	N	146.792	E	80	*	4.6		0.9	26	KURIL ISLANDS
	17	09	07	18.2	0.171	S	123.042	E	118	*	4.6		0.8	9	MINAHASSA PENINSULA
	17	09	54	39.4*	32.695	N	132.539	E	33	N	4.3		1.2	15	SHIKOKU, JAPAN
a	17	10	35	57.2	8.297	N	126.671	E	32	D	5.2	4.7	1.1	77	MINDANAO, PHILIPPINE ISLANDS
	17	11	14	58.7*	22.974	N	125.930	E	33	N	4.9		1.3	19	SOUTHEAST OF TAIWAN
	17	11	29	14.1?	39.27	N	27.70	E	10	G			1.1	4	TURKEY
	17	12	38	25.9	8.281	N	126.807	E	43	D	4.7	4.3	0.9	31	MINDANAO, PHILIPPINE ISLANDS
	17	13	55	42.6?	17.31	N	99.48	W	33	N			1.7	4	GUERRERO, MEXICO
a	17	14	34	25.5	8.547	N	126.794	E	40	D	5.6	5.6	1.2	146	MINDANAO, PHILIPPINE ISLANDS
	17	14	39	06.3*	43.261	N	20.958	E	10	G			0.8	5	YUGOSLAVIA
	17	15	07	05.8*	42.829	N	12.910	E	10	G			0.1	5	CENTRAL ITALY
	17	15	09	23.3*	36.694	N	26.928	E	147	?			0.2	7	DODECANESE ISLANDS
	17	15	46	48.9*	8.729	N	126.756	E	36	D	4.7		1.6	21	MINDANAO, PHILIPPINE ISLANDS
	17	15	56	00.3	36.646	N	28.217	E	105	?			1.5	15	DODECANESE ISLANDS
	17	16	22	22.5?	38.52	N	24.94	E	10	G			0.5	4	AEGEAN SEA. ML 2.9 (ATH).
	17	16	34	20.8*	15.906	N	60.431	W	22				0.4	10	LEEWARD ISLANDS. ML 3.1 (FDF).
	17	16	55	59.1&	36.840	N	121.587	W	4					14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	17	17	09	52.1*	8.685	N	126.808	E	33	N	4.8	4.0	1.3	14	MINDANAO, PHILIPPINE ISLANDS
	17	17	38	11.5&	36.200	N	120.300	W	6					13	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	17	18	48	17.6	10.024	N	126.209	E	33	N	5.0	4.1	1.0	47	PHILIPPINE ISLANDS REGION
	17	18	58	52.6	7.719	N	126.995	E	12	D	5.0	4.8	1.1	28	MINDANAO, PHILIPPINE ISLANDS
	17	19	38	15.6	8.304	N	126.718	E	39	D	5.3	4.5	1.3	72	MINDANAO, PHILIPPINE ISLANDS
	17	19	49	20.1&	61.763	N	149.917	W	45					31	SOUTHERN ALASKA. <AGS-P>. ML 3.3 (PMR).
	17	19	58	34 4*	40.291	N	122.027	W	5	G			1.6	5	NORTHERN CALIFORNIA. ML 2.5 (BRK).
	17	20	13	37.3	39.296	N	28.226	E	10	G			1.0	33	TURKEY. MD 3.7 (ATH).
	17	20	57	08.5%	39.291	N	28.261	E	10	G			0.9	7	TURKEY
	17	20	58	37.1&	37.040	N	121.938	W	18					20	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=3.6*10**14 Nm (BRK). Felt (III) at Santo Cruz.
	17	21	02	54.5	17.818	N	95.093	W	33	N			1.3	6	OAXACA, MEXICO
	17	21	22	33.8	39.300	N	28.282	E	18				1.0	37	TURKEY. ML 4.2 (ATH).
	17	21	44	51.5	35.635	N	69.346	E	102	*	4.9		0.9	64	HINDU KUSH REGION
	17	22	30	35.0*	6.912	N	93.997	E	33	N	4.9		1.0	13	NICOBAR ISLANDS REGION
	17	23	01	31.8	35.022	N	27.215	E	10	G			0.8	15	DODECANESE ISLANDS. MD 4.0 (ATH).
	17	23	30	06.9	40.333	N	22.018	E	10	G			1.0	13	GREECE. ML 2.9 (THE). MD 3.4 (ATH).
	17	23	58	17.7?	38.83	N	2.81	W	10	G			0.0	4	SPAIN. mbLg 2.9 (MDD).
	18	00	48	11.4*	7.586	N	127.174	E	33	N	5.2		1.3	18	PHILIPPINE ISLANDS REGION
	18	02	43	09.3	10.022	N	126.046	E	33	N	4.9	3.9	1.4	25	PHILIPPINE ISLANDS REGION
	18	03	08	43.2	10.089	N	126.325	E	33	N	5.0	3.8	1.0	41	PHILIPPINE ISLANDS REGION
	18	03	38	52.1	10.076	N	126.326	E	22	D	5.3	4.0	1.1	69	PHILIPPINE ISLANDS REGION
	18	03	52	29.7?	40.38	N	21.36	E	10	G			1.0	4	GREECE. ML 2.0 (THE).
	18	04	38	28.5*	39.436	N	16.380	E	10	G			0.8	5	SOUTHERN ITALY
	18	05	45	26.2&	62.041	N	149.820	W	49					35	CENTRAL ALASKA. <AGS-P>.
	18	06	10	54.2	8.316	N	126.997	E	33	N	5.0	4.2	1.2	50	MINDANAO, PHILIPPINE ISLANDS
	18	06	27	04.5&	33.730	N	116.020	W	10					18	SOUTHERN CALIFORNIA. <PAS-P>. ML 4.2 (PAS). Felt (IV) at Mecca and (III) at Chiriaco Summit, Indio and Riverside.
a	18	07	13	01.0	0.939	N	28.976	W	10	G	5.7	5.3	1.0	261	CENTRAL MID-ATLANTIC RIDGE
	18	07	59	03.6	20.374	S	177.685	W	508	?	5.0		1.2	18	FIJI ISLANDS REGION
	18	08	17	23.6*	8.159	N	127.182	E	33	N		4.4	1.6	7	PHILIPPINE ISLANDS REGION
	18	09	40	03.8	7.971	N	127.186	E	33	N	4.9	4.5	1.1	23	PHILIPPINE ISLANDS REGION
	18	10	26	13.7	10.035	N	126.413	E	25	D	5.0	4.5	1.2	31	PHILIPPINE ISLANDS REGION
	18	11	33	40.7%	31.456	N	35.624	E	10	G			1.1	6	DEAD SEA REGION
	18	11	44	14.1%	46.663	N	0.194	W	10	G			0.5	18	FRANCE. ML 3.0 (LDG).
	18	12	15	40.6	44.334	N	6.765	E	10	G			0.4	17	FRANCE. ML 2.2 (GEN), 2.1 (LDG).
	18	13	32	09.5*	40.243	N	74.022	E	33	N	4.9		1.6	16	KIRGHIZ-XINJIANG BORDER REGION. Felt (IV) at Gulcho and Sufi-Kurgon, (III) at Osh and Uzgen, USSR.
	18	13	58	14.2	37.897	N	29.247	E	31		4.5		1.3	33	TURKEY. MD 4.2 (ATH).
	18	14	00	10.1%	37.897	N	29.235	E	10	G			1.5	7	TURKEY
	18	14	03	15.1	37.921	N	29.167	E	19		4.7		1.0	29	TURKEY. MD 4.0 (ATH).
	18	14	24	35.7	10.236	N	126.972	E	31	D	5.1		1.2	49	PHILIPPINE ISLANDS REGION
	18	14	27	10.1?	10.54	N	126.68	E	33	N	4.8		1.5	7	PHILIPPINE ISLANDS REGION
	18	14	46	23.5*	37.993	N	29.021	E	10	G			0.8	5	TURKEY

	18	15	22	04.0&	61.440	N	149.997	W	35					46	SOUTHERN ALASKA. <AGS-P>.
	18	16	12	46.0*	7.686	N	126.969	E	34	D	4.7	4.2	1.3	32	MINDANAO, PHILIPPINE ISLANDS
	18	16	31	47.9*	7.826	N	127.232	E	39	D	4.3	4.0	1.4	25	PHILIPPINE ISLANDS REGION
	18	16	41	55.7*	34.338	S	71.881	W	10	G			0.4	11	NEAR COAST OF CENTRAL CHILE
	18	17	07	30.8&	36.687	N	121.358	W	6					23	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=1.4*10**15 Nm (BRK).
a	18	17	09	35.3	15.369	S	167.419	E	142	D	5.3		1.1	115	VANUATU ISLANDS
	18	17	39	30.4%	39.639	N	28.024	E	10	G			1.4	5	TURKEY
	18	18	44	33.9	35.674	N	27.361	E	10	G			0.5	8	DODECANESE ISLANDS
	18	18	59	12.3%	40.533	N	29.423	E	10	G			1.0	6	TURKEY
	18	19	30	26.7&	59.000	N	153.860	W	1					13	SOUTHERN ALASKA. <AGS-P>.
	18	20	00	24.4?	44.68	N	7.50	E	33	N			0.3	4	NORTHERN ITALY. ML 2.3 (GEN).
	18	20	12	04.1?	17.26	N	99.99	W	10	G			0.7	4	GUERRERO, MEXICO
	18	20	58	35.1?	39.60	N	28.51	E	10	G			1.3	4	TURKEY
	18	21	08	22.8	39.255	N	22.218	E	19				1.1	31	GREECE. ML 3.5 (THE), 3.4 (ATH).
	18	21	15	49.6*	18.296	N	98.353	W	33	N			1.7	6	CENTRAL MEXICO
	18	21	48	10.3	28.424	N	33.333	E	10	G	4.4		1.3	24	ARAB REPUBLIC OF EGYPT. Felt (II) at Elat, Israel.
	18	22	25	05.5&	54.246	N	162.908	W	44					6	ALASKA PENINSULA. <PAL>.
	18	22	33	26.2&	53.880	N	162.766	W	38					7	SOUTH OF ALASKA. <PAL>.
	18	22	34	10.9?	43.59	N	146.37	E	33	N	4.7		0.7	14	KURIL ISLANDS
	18	23	13	19.0?	45.47	N	5.59	E	10	G			1.0	5	FRANCE. ML 2.3 (LDG).
	18	23	15	01.7&	36.685	N	121.360	W	5					12	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	18	23	48	41.5*	38.112	N	15.889	E	10	G			1.6	7	SICILY
	19	00	21	29.2?	18.31	N	62.02	W	10	G			1.0	8	LEEWARD ISLANDS. ML 3.5 (FDF).
	19	01	12	18.6&	60.449	N	143.171	W	15					22	SOUTHERN ALASKA. <AGS-P>.
	19	01	31	51.7*	33.836	S	178.524	W	33	N	5.3	4.7	1.3	22	SOUTH OF KERMADEC ISLANDS
	19	03	50	06.2?	9.42	S	125.23	E	33	N	4.2		1.4	9	TIMOR
	19	04	13	24.6*	53.257	N	163.693	W	33	N	4.4		0.9	16	UNIMAK ISLAND REGION. ML 4.2 (PMR).
	19	04	44	45.3	43.661	N	16.924	E	5	G			1.3	13	YUGOSLAVIA. ML 2.6 (LJU).
	19	06	26	13.6%	34.215	S	71.055	W	33	N			0.6	10	NEAR COAST OF CENTRAL CHILE
a	19	07	03	18.0	7.945	N	126.847	E	40	D	5.5	4.8	1.3	110	MINDANAO, PHILIPPINE ISLANDS
a	19	07	27	55.1	7.985	N	126.920	E	32	D	5.1	4.7	1.2	72	MINDANAO, PHILIPPINE ISLANDS
	19	07	42	23.2%	10.822	N	61.559	W	33	N			0.4	11	TRINIDAD. MD 3.2 (TRN). Felt on Trinidad.
	19	07	49	35.3?	20.10	S	177.84	W	419	?	4.6		0.7	11	FIJI ISLANDS REGION
	19	08	35	25.5&	59.359	N	151.499	W	38					15	KENAI PENINSULA, ALASKA. <AGS-P>.
	19	09	03	11.8	39.209	N	28.077	E	10	G			1.2	6	TURKEY
	19	09	43	57.5	8.378	N	126.954	E	36	D	4.9	4.0	1.1	38	MINDANAO, PHILIPPINE ISLANDS
	19	09	48	19.8%	60.570	N	5.078	E	10	G			0.3	6	SOUTHERN NORWAY
	19	09	58	15.0%	39.222	N	27.776	E	10	G			1.0	6	TURKEY
	19	10	17	21.7%	39.758	N	22.032	E	10	G			0.4	5	GREECE
	19	10	30	48.4	8.309	N	126.722	E	44	D	5.0	4.4	1.2	37	MINDANAO, PHILIPPINE ISLANDS
	19	11	34	08.6	39.297	N	23.609	E	10	G			0.1	6	AEGEAN SEA. ML 2.8 (ATH).
	19	11	56	58.4?	40.35	N	23.53	E	10	G			0.7	4	GREECE
	19	12	36	20.1	39.369	N	22.327	E	10	G			1.2	9	GREECE. MD 3.2 (ATH).
	19	13	41	29.1	7.758	N	126.983	E	42	D	5.4	4.3	1.2	56	MINDANAO, PHILIPPINE ISLANDS
	19	13	56	13.8?	13.12	N	62.35	W	33	N			0.5	5	WINDWARD ISLANDS. MD 3.3 (TRN).
	19	14	28	21.9*	41.663	N	12.735	E	10	G			1.5	23	SOUTHERN ITALY. ML 3.1 (KBA).
	19	14	28	25.7	36.817	N	27.461	E	33	N			1.0	7	DODECANESE ISLANDS. MD 3.5 (ATH).
	19	15	15	30.9%	60.725	N	5.552	E	10	G			0.4	5	SOUTHERN NORWAY. MD 1.4 (BER).
	19	15	37	06.2*	8.635	N	126.999	E	30	D	4.5	4.0	1.3	13	MINDANAO, PHILIPPINE ISLANDS
	19	15	50	00.1%	41.136	N	28.514	E	10	G			0.2	5	TURKEY
	19	16	09	27.3?	31.96	S	68.27	W	104	?			0.3	6	SAN JUAN PROVINCE, ARGENTINA
	19	17	44	42.9%	39.322	N	28.195	E	10	G			0.8	7	TURKEY
	19	17	53	22.8?	31.04	N	51.43	E	33	N	4.4		1.5	6	IRAN
	19	17	58	03.2%	39.248	N	28.182	E	10	G			1.1	7	TURKEY
	19	19	33	03.6	17.591	S	70.215	W	164	*			0.4	10	NEAR COAST OF PERU
	19	19	34	30.0	49.800	N	18.491	E	10	G			0.8	9	CZECHOSLOVAKIA. ML 3.2 (VKA), 2.9 (KBA), 2.8 (KRA).
	19	22	05	25.4?	38.64	N	26.72	E	10	G			0.7	4	AEGEAN SEA
	19	23	00	50.1&	36.677	N	121.350	W	4					13	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	19	23	27	57.2?	42.88	N	12.98	E	10	G			0.1	4	CENTRAL ITALY
f	20	00	08	20.6	8.094	N	126.828	E	21	G	6.0	6.3	1.2	267	MINDANAO, PHILIPPINE ISLANDS. Ms 6.3 (BRK), 5.9 (PAS). Mo=1.3*10**19 Nm (PPT). Depth from broadband displacement seismograms.
	20	00	19	42.0*	42.876	N	12.977	E	10	G			0.3	5	CENTRAL ITALY. MD 2.2 (SSO).
	20	00	28	33.4*	8.123	N	126.814	E	33	N	5.1		1.1	20	MINDANAO, PHILIPPINE ISLANDS
	20	00	37	23.5*	8.215	N	127.161	E	33	N	5.0		1.4	28	PHILIPPINE ISLANDS REGION
	20	00	51	15.5	8.156	N	126.840	E	38	D	5.4		1.1	86	MINDANAO, PHILIPPINE ISLANDS
	20	00	51	17.9%	36.879	N	6.608	W	10	G			1.1	7	STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
	20	01	26	54.3&	35.800	N	121.400	W	5					10	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	20	01	28	23.8*	21.641	S	179.177	W	619	*	4.5		0.6	14	FIJI ISLANDS REGION
	20	01	44	48.6?	8.04	N	126.95	E	33	N	4.9		0.8	6	MINDANAO, PHILIPPINE ISLANDS
	20	02	12	20.0?	28.61	S	68.88	W	195	?			0.9	17	LA RIOJA PROVINCE, ARGENTINA
	20	02	32	57.1?	10.79	S	160.98	E	33	N	4.2		0.9	4	SOLOMON ISLANDS
	20	02	48	49.9*	42.888	N	12.961	E	10	G			0.4	5	CENTRAL ITALY. MD 1.9 (SSO).
	20	03	24	56.4?	36.63	N	6.18	W	10	G			0.8	4	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).
	20	03	26	29.1?	8.49	N	127.26	E	33	N	4.6		1.1	5	PHILIPPINE ISLANDS REGION
	20	03	27	15.8&	58.944	N	145.114	W	10	G	3.8			48	GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR).
	20	03	37	34.1?	42.78	N	13.06	E	10	G			0.4	4	CENTRAL ITALY. MD 2.0 (SSO).
	20	04	02	12.4?	8.33	N	126.67	E	33	N	4.6		0.5	5	MINDANAO, PHILIPPINE ISLANDS
	20	04	14	45.6*	7.932	N	127.318	E	33	N	4.8		1.0	9	PHILIPPINE ISLANDS REGION
	20	04	15	02.5	37.207	N	7.352	W	14		4.8	4.4	1.1	114	PORTUGAL. mbLg 5.2 (MDD). Minor damage in the Santa Cristina area, Spain. Felt (V) in southern Portugal.
a	20	04	23	45.2	35.067	S	179.642	W	29		5.5	5.6	1.0	90	EAST OF NORTH ISLAND, N.Z.
	20	04	30	53.2&	61.551	N	146.681	W	24					30	SOUTHERN ALASKA. <AGS-P>.
	20	04	48	52.3	5.669	S	130.787	E	74	*	4.9		1.4	31	BANDA SEA
	20	05	15	41.9*	8.044	N	127.198	E	33	N	5.0		1.3	15	PHILIPPINE ISLANDS REGION
	20	06	02	43.4*	14.020	S	70.789	W	33	N	4.3		1.0	7	PERU
	20	06	15	48.1?	17.56	S	75.17	W	33	N			1.1	7	OFF COAST OF PERU
	20	06	18	38.1	8.265	N	127.054	E	36	D	4.8		1.4	20	PHILIPPINE ISLANDS REGION
	20	07	00	36.1?	27.35	N	101.31	E	33	N			1.0	5	SICHUAN PROVINCE, CHINA. ML 3.5 (BJI).
	20	07	10	08.9*	8.301	N	127.074	E	35	D	4.3		1.5	15	PHILIPPINE ISLANDS REGION
	20	07	22	58.1	51.530	N	175.827	W	45	D	4.8		1.2	38	ANDREANOF ISLANDS, ALEUTIAN IS. Felt on Adak.
	20	07	38	41.5	7.358	N	126.923	E	71	*	5.2		1.1	40	MINDANAO, PHILIPPINE ISLANDS

a	20	08	35	20.3	8.192	N	126.852	E	39	D	5.8	5.3	1.2	175	MINDANAO, PHILIPPINE ISLANDS
	20	08	52	46.2	44.620	N	117.073	W	5	G			0.2	8	OREGON. ML 3.2 (BUT). Felt in the Brawnlee Dam area.
	20	09	04	14.4	40.067	N	142.475	E	59		4.7		1.1	38	NEAR EAST COAST OF HONSHU, JAPAN
	20	09	12	06.3	8.144	N	126.746	E	34	D	5.0		1.1	31	MINDANAO, PHILIPPINE ISLANDS
	20	09	45	25.8?	36.58	N	6.21	W	10	G			0.3	4	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	20	09	49	49.6&	63.996	N	150.410	W	17					28	CENTRAL ALASKA. <AGS-P>. ML 3.3 (PMR).
	20	10	05	56.6	10.814	S	74.408	W	33	N			1.2	10	PERU
	20	10	12	43.5%	36.917	N	4.932	W	10	G			0.8	5	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
	20	10	18	13.3?	36.73	N	6.13	W	10	G			0.4	4	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
	20	10	26	07.0?	36.64	N	6.18	W	10	G			0.1	4	STRAIT OF GIBRALTAR. mbLg 3.0 (MDD).
	20	10	30	09.0*	11.065	N	61.960	W	33	N			0.5	6	WINDWARD ISLANDS. MD 3.1 (TRN).
	20	10	59	43.8?	11.45	N	61.73	W	10	G			0.7	4	WINDWARD ISLANDS
a	20	11	44	48.8*	34.828	S	179.526	W	32	D	5.2		1.2	32	SOUTH OF KERMADEC ISLANDS
	20	12	02	49.0*	1.825	N	95.076	W	10	G	4.7		0.9	59	GALAPAGOS ISLANDS REGION
	20	12	08	30.6?	32.99	S	70.25	W	111	?			0.3	10	CHILE-ARGENTINA BORDER REGION
	20	12	26	25.6&	58.446	N	152.520	W	64					17	KODIAK ISLAND REGION. <AGS-P>.
	20	12	33	34.5	40.449	N	21.836	E	10	G			1.4	7	GREECE. MD 3.7 (ATH).
	20	12	46	03.1*	51.559	N	16.047	E	5	G			0.4	11	POLAND. ML 4.1 (VKA), 3.9 (KBA).
	20	13	01	07.9	38.201	N	135.295	E	362		4.6		1.0	104	SEA OF JAPAN
	20	13	25	22.5*	42.276	N	19.114	E	10	G			0.2	5	YUGOSLAVIA. ML 2.2 (TTG).
	20	13	57	53.2	8.198	N	126.896	E	33	N	4.9	4.2	1.2	39	MINDANAO, PHILIPPINE ISLANDS
	20	14	07	03.6	46.313	N	12.645	E	5	G			1.0	24	NORTHERN ITALY. ML 3.1 (KBA). MD 3.1 (TRI), 3.4 (LJU).
	20	14	18	29.5	31.290	S	69.182	W	122	?			0.9	14	SAN JUAN PROVINCE, ARGENTINA. Felt (II) in San Juan Province.
	20	15	35	06.5	31.579	N	40.993	W	10	G	4.8	4.5	0.9	21	NORTH ATLANTIC RIDGE
	20	15	41	07.1	8.301	N	126.967	E	31	D	4.9		1.2	26	MINDANAO, PHILIPPINE ISLANDS
	20	16	12	38.4	41.369	N	142.154	E	62	*	4.5		0.7	23	HOKKAIDO, JAPAN REGION
	20	17	27	53.9	8.215	N	126.734	E	30	D	5.1		1.0	40	MINDANAO, PHILIPPINE ISLANDS
	20	18	07	42.2	6.094	S	149.059	E	80	*	5.0		0.7	15	NEW BRITAIN REGION
	20	18	15	44.2?	11.04	N	61.78	W	10	G			0.8	4	WINDWARD ISLANDS. MD 3.2 (TRN).
	20	18	31	28.5&	64.816	N	147.504	W	17					11	CENTRAL ALASKA. <AGS-P>.
	20	19	20	35.3	8.254	N	126.774	E	66	?	4.7		1.0	9	MINDANAO, PHILIPPINE ISLANDS
	20	19	35	13.1&	58.991	N	154.004	W	93					23	ALASKA PENINSULA. <AGS-P>.
	20	20	18	11.9	8.201	N	126.844	E	69	*	4.9		1.3	67	MINDANAO, PHILIPPINE ISLANDS
	20	21	19	38.2*	41.140	N	22.665	E	10	G			0.3	5	YUGOSLAVIA. ML 1.9 (THE), 1.8 (SKO).
	20	22	17	50.3	36.107	N	69.896	E	142	*	4.7		0.9	42	HINDU KUSH REGION
	20	22	55	55.4	8.212	N	126.900	E	53	?	4.9	4.2	1.3	42	MINDANAO, PHILIPPINE ISLANDS
	20	23	25	47.5*	53.315	N	163.884	W	16		4.6		1.0	13	UNIMAK ISLAND REGION
	20	23	45	58.2	58.775	S	25.485	W	33	N	5.5		1.0	52	SOUTH SANDWICH ISLANDS REGION
	21	00	33	59.3*	55.300	S	28.131	W	33	N	5.2	4.6	1.1	16	SOUTH SANDWICH ISLANDS REGION
	21	00	40	35.6&	63.061	N	149.519	W	90					24	CENTRAL ALASKA. <AGS-P>.
	21	01	08	40.2?	53.15	N	163.97	W	33	N	4.2		1.2	9	UNIMAK ISLAND REGION
	21	02	49	48.6%	33.681	S	71.664	W	19	*			0.2	9	NEAR COAST OF CENTRAL CHILE
	21	02	55	35.0*	43.905	N	11.943	E	10	G			1.2	8	CENTRAL ITALY. MD 2.8 (ROM).
	21	03	08	03.4?	31.08	S	67.20	W	10	G			1.0	5	SAN JUAN PROVINCE, ARGENTINA
	21	03	21	47.5?	41.59	N	12.71	E	10	G			0.1	4	SOUTHERN ITALY
	21	04	12	58.1*	0.848	N	77.170	W	10	G			0.9	10	COLOMBIA-ECUADOR BORDER REGION
	21	04	40	31.8	33.862	S	72.112	W	42	?			1.2	22	OFF COAST OF CENTRAL CHILE
	21	05	02	35.2*	11.723	S	117.144	E	33	N	4.2		0.7	5	SOUTH OF SUMBAWA ISLAND
	21	05	53	48.4%	37.461	N	23.299	E	10	G			1.4	7	SOUTHERN GREECE. MD 2.8 (ATH).
	21	07	43	22.1*	8.757	N	126.493	E	90	?	4.5		1.3	13	MINDANAO, PHILIPPINE ISLANDS
	21	08	08	04.6	3.251	N	96.404	E	22	D	5.6	4.7	1.0	159	NORTHERN SUMATERA
	21	09	09	24.2?	39.12	N	27.59	E	10	G			0.6	4	TURKEY
	21	09	18	07.7&	36.647	N	121.303	W	2					15	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
	21	10	45	26.5*	15.143	N	94.673	W	33	N	4.6		0.6	8	NEAR COAST OF OAXACA, MEXICO
	21	11	22	25.3	36.716	N	20.590	E	10	G			1.4	37	MEDITERRANEAN SEA. ML 4.0 (ATH).
	21	11	24	59.4	35.763	N	27.402	E	10	G			1.4	10	DODECANESE ISLANDS. MD 3.8 (ATH).
	21	11	27	28.1&	37.108	N	121.505	W	7					12	CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK).
	21	11	36	29.3&	37.110	N	121.507	W	7					14	CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK).
	21	11	47	28.7	37.583	N	21.120	E	10	G	3.7		1.3	29	SOUTHERN GREECE. ML 3.4 (ATH).
	21	11	53	31.3	77.507	N	7.354	E	10	G	4.4	4.6	1.0	16	SVALBARD REGION
	21	12	06	37.2?	17.55	N	101.20	W	33	N			1.4	8	NEAR COAST OF GUERRERO, MEXICO. Felt along the coast of Guerrero.
	21	12	20	20.2	55.534	N	162.579	W	150		4.7		1.1	100	ALASKA PENINSULA
	21	12	41	18.1?	44.32	N	8.11	E	10	G			0.1	5	NORTHERN ITALY. ML 2.2 (LDG).
	21	13	17	23.3	40.681	N	21.611	E	10	G			0.9	6	GREECE. ML 3.1 (SKO).
	21	13	46	18.5	40.716	N	21.586	E	10	G			1.0	13	GREECE. MD 3.5 (ATH). ML 3.2 (SKO).
	21	13	49	58.4?	40.73	N	21.63	E	10	G			0.7	4	GREECE. ML 2.8 (SKO).
	21	14	12	50.1	14.427	N	146.783	E	43	*	4.9	4.4	0.8	96	MARIANA ISLANDS
	21	14	26	10.1%	41.701	N	12.776	E	10	G			0.2	5	SOUTHERN ITALY
	21	14	28	24.0	40.719	N	21.575	E	10	G			0.8	19	GREECE. MD 3.6 (ATH). ML 3.5 (SKO).
	21	14	41	48.3%	60.375	N	5.410	E	10	G			0.3	6	SOUTHERN NORWAY
	21	14	49	14.0?	3.95	S	141.52	E	46	?	4.6		1.2	8	PAPUA NEW GUINEA
	21	15	16	13.4?	11.14	N	62.03	W	33	N			1.4	5	WINDWARD ISLANDS. MD 3.0 (TRN).
	21	16	15	00.3	6.562	S	153.010	E	40	*	4.2		1.0	21	NEW BRITAIN REGION
	21	16	40	09.9	3.097	N	96.238	E	22	D	5.3		1.1	82	NORTHERN SUMATERA
a	21	16	49	13.1	45.364	N	150.108	E	43	G	5.9	5.8	1.0	408	KURIL ISLANDS. Felt (IV) at Kurilsk, Kitovyy and Gornyy; (III) at Mys Van-Der-Lind. Depth from broadband displacement seismagrams.
	21	16	53	19.3&	62.421	N	155.620	W	0		5.4	5.5		98	CENTRAL ALASKA. <AGS-P>. ML 5.5 (PMR). Felt (V) at McGrath and Red Devil. Felt (III) at Flat and Stony River.
	21	18	07	39.6&	62.442	N	155.642	W	14					15	CENTRAL ALASKA. <AGS-P>.
	21	18	12	11.6?	38.02	N	29.03	E	10	G			0.0	4	TURKEY
	21	18	52	13.5%	44.874	N	10.417	E	10	G			0.5	7	NORTHERN ITALY
	21	19	04	18.6*	40.805	N	21.631	E	10	G			1.5	6	GREECE. ML 2.9 (SKO).
	21	19	05	50.5*	17.751	S	122.416	E	10	G			1.6	13	WESTERN AUSTRALIA
	21	19	19	07.1*	40.678	N	21.646	E	10	G			1.3	6	GREECE. ML 2.7 (SKO).
	21	19	24	57.2%	44.117	N	7.239	E	10	G			0.2	6	NORTHERN ITALY. ML 1.8 (GEN).
	21	19	27	25.7?	40.73	N	21.63	E	10	G			0.2	4	GREECE. ML 2.5 (SKO).
	21	20	03	47.5&	61.794	N	150.187	W	42					13	SOUTHERN ALASKA. <AGS-P>.
	21	20	15	42.9	39.714	N	20.420	E	10	G			0.7	17	GREECE-ALBANIA BORDER REGION. MD 3.5 (ATH).
	21	20	30	30.4?	42.91	N	127.92	W	10	G			0.3	22	OFF COAST OF OREGON. CL 3.8 (SEA).

	21	20	59	06.8&	59.978	N	152.791	W	104			24	SOUTHERN ALASKA. <AGS-P>.
	21	21	46	00.2	40.710	N	21.717	E	6	3.6	1.1	41	GREECE. ML 3.7 (SKO), 3.6 (THE), 3.7 (ATH).
	21	22	21	10.2	24.035	N	122.338	E	17 *	4.8	1.1	23	TAIWAN REGION
	21	22	43	09.3	40.695	N	21.591	E	10 G		0.8	8	GREECE. ML 2.8 (SKO).
	21	22	52	20.2%	37.529	N	29.844	E	10 G		0.9	6	TURKEY
	22	00	32	48.5	36.309	N	141.153	E	40 D	4.9 4.3	1.1	63	NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Mito; (II JMA) at Utsunomiya and Nikko; (I JMA) at Tokyo, Chiba, Choshi and Kumogaya.
	22	00	38	52.3	35.899	N	26.364	E	33 N		0.7	10	CRETE
	22	00	43	42.1	36.940	N	26.406	E	10	4.6	1.2	19	DODECANESE ISLANDS. ML 3.9 (ATH).
	22	01	02	05.4&	60.209	N	153.051	W	130			21	SOUTHERN ALASKA. <AGS-P>.
	22	01	10	01.1&	62.521	N	151.284	W	93			24	CENTRAL ALASKA. <AGS-P>.
	22	01	13	23.4?	41.82	N	12.77	E	10 G		0.2	4	SOUTHERN ITALY
	22	01	38	19.2&	60.567	N	150.885	W	35			26	KENAI PENINSULA, ALASKA. <AGS-P>.
	22	02	01	46.9*	8.006	N	126.688	E	87 *	4.6	1.1	25	MINDANAO, PHILIPPINE ISLANDS
	22	02	04	37.7%	39.222	N	28.998	E	10 G		1.1	8	TURKEY
	22	02	10	24.4?	40.68	N	21.63	E	10 G		1.1	4	GREECE. ML 2.8 (SKO).
	22	02	26	49.6	33.152	S	68.125	W	30		1.0	17	MENDOZA PROVINCE, ARGENTINA
	22	02	39	24.6?	40.91	N	30.39	E	10 G		0.6	4	TURKEY
	22	02	45	53.8?	40.67	N	21.59	E	10 G		0.7	4	GREECE. ML 2.5 (SKO).
	22	02	59	41.6?	40.57	N	21.49	E	10 G		1.0	4	GREECE. ML 2.7 (SKO).
	22	03	03	25.5&	33.620	N	116.690	W	14			16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt (V) at Anza; (IV) at Palm Desert; (III) at Cathedral City, Indio and North Palm Springs. Also felt at Palm Springs and Rancho Mirage.
	22	03	40	34.4?	16.45	N	99.62	W	10 G		0.4	5	NEAR COAST OF GUERRERO, MEXICO
	22	04	01	33.0?	31.22	S	69.30	W	10 G		0.8	4	SAN JUAN PROVINCE, ARGENTINA
	22	04	08	25.5%	37.690	N	12.947	E	10 G		1.1	7	SICILY
	22	04	44	12.0*	8.389	N	127.151	E	33 N	4.6 3.8	1.2	12	PHILIPPINE ISLANDS REGION
	22	05	52	55.1?	40.67	N	21.61	E	5 G		1.6	4	GREECE. ML 2.7 (SKO).
	22	06	46	35.7	40.730	N	21.618	E	10 G		1.5	9	GREECE. ML 3.0 (SKO), 2.8 (THE).
	22	06	48	13.6	43.057	N	12.763	E	33 N		1.0	120	CENTRAL ITALY. MD 4.2 (SSO), 4.1 (ROM), 4.4 (TRI). ML 4.7 (ZAG), 4.7 (KBA), 4.2 (LDG).
	22	07	04	45.6?	38.30	N	142.34	E	33 N	4.7	1.2	6	NEAR EAST COAST OF HONSHU, JAPAN
	22	07	22	16.8*	8.324	N	126.610	E	33 N	4.5	1.3	10	MINDANAO, PHILIPPINE ISLANDS
	22	07	32	19.9?	53.08	N	160.90	W	33 N	4.4	0.6	8	SOUTH OF ALASKA
	22	08	46	22.5%	39.227	N	27.758	E	10 G		0.5	5	TURKEY
	22	08	47	27.7*	12.430	S	166.551	E	33 N	5.1	0.9	22	SANTA CRUZ ISLANDS
	22	09	10	52.0?	42.70	N	7.71	W	10 G		0.9	4	SPAIN. mbLg 3.0 (MDD).
	22	09	22	39.7*	37.177	N	26.504	E	33 N		1.2	7	DODECANESE ISLANDS. MD 3.6 (ATH).
	22	10	00	40.5*	23.892	N	122.706	E	10 G		1.0	6	TAIWAN REGION
	22	10	02	47.0*	4.951	S	142.863	E	33 N	4.8	1.1	9	PAPUA NEW GUINEA
	22	10	03	45.3%	29.910	S	68.822	W	10 G		0.8	6	SAN JUAN PROVINCE, ARGENTINA
	22	11	03	58.2%	39.081	N	27.566	E	10 G		1.3	5	TURKEY
	22	11	13	01.6?	22.42	S	178.48	W	417 ?	4.9	1.4	13	SOUTH OF FIJI ISLANDS
	22	11	26	38.1%	17.170	N	95.181	W	33 N		1.4	5	OAXACA, MEXICO. Felt along the Veracruz-Oaxoca border.
	22	11	32	06.0	41.232	N	29.000	E	10 G		0.5	9	TURKEY
	22	12	24	25.4	28.894	N	94.691	E	33 N	4.8	1.2	16	INDIA-CHINA BORDER REGION
	22	12	59	03.0?	27.30	S	67.39	W	155 ?		1.0	10	CATAMARCA PROVINCE, ARGENTINA
	22	13	57	27.5	36.516	N	70.816	E	184 *	4.8	1.2	20	HINDU KUSH REGION
	22	14	08	08.7?	7.95	N	126.93	E	33 N	4.7	0.7	6	MINDANAO, PHILIPPINE ISLANDS
	22	17	17	38.9&	62.025	N	150.723	W	51	4.3		49	CENTRAL ALASKA. <AGS-P>. Felt (III) at Houston and Talkeetna.
	22	18	49	04.9?	31.25	S	68.66	W	33 N		0.7	4	SAN JUAN PROVINCE, ARGENTINA
	22	19	19	20.7	40.731	N	21.720	E	10 G		1.4	28	GREECE. MD 3.6 (ATH). ML 3.7 (SKO), 2.9 (TTG).
	22	19	52	32.2?	41.75	N	12.74	E	10 G		0.2	4	SOUTHERN ITALY
	22	19	55	03.1?	41.59	N	12.55	E	10 G		0.2	5	SOUTHERN ITALY
	22	19	56	20.0?	41.67	N	12.72	E	10 G		1.3	7	SOUTHERN ITALY
	22	19	57	49.0*	51.639	N	175.962	E	33 N	4.5	1.3	20	RAT ISLANDS, ALEUTIAN ISLANDS
	22	20	18	40.3	37.216	N	30.391	E	10 G		1.3	9	TURKEY
	22	20	24	02.9	31.757	S	69.698	W	10 G		0.9	10	SAN JUAN PROVINCE, ARGENTINA
	22	20	37	59.2*	41.771	N	12.736	E	10 G		0.3	5	SOUTHERN ITALY
a	22	21	09	38.0	6.990	S	124.807	E	552	5.2	0.9	106	BANDA SEA
	22	21	50	56.0	40.694	N	21.609	E	10 G		1.5	20	GREECE. ML 3.4 (SKO).
	22	22	00	24.2	40.729	N	21.618	E	10 G		1.3	9	GREECE. ML 2.2 (SKO).
	22	22	56	37.6	38.606	N	24.060	E	10 G		0.5	15	AEGEAN SEA. ML 2.9 (ATH).
	22	23	16	42.3?	40.71	N	21.63	E	10 G		0.5	4	GREECE. ML 2.9 (SKO).
	22	23	40	10.8&	61.422	N	146.159	W	28			32	SOUTHERN ALASKA. <AGS-P>.
	22	23	59	45.1	8.546	N	126.781	E	38 *	5.1 4.9	1.3	60	MINDANAO, PHILIPPINE ISLANDS
	23	01	32	46.3	29.945	S	178.338	W	37	5.3	1.0	55	KERMADEC ISLANDS
	23	01	53	27.8?	35.01	S	71.14	W	100 G		0.4	9	CENTRAL CHILE
	23	02	20	16.2	43.032	N	13.918	E	10 G		1.1	6	CENTRAL ITALY. MD 2.7 (SSO).
	23	02	38	13.0	41.095	N	19.942	E	10 G		0.4	11	ALBANIA. ML 2.9 (SKO), 2.9 (TTG).
	23	02	56	15.8	41.180	N	19.864	E	33 N	3.5	1.0	63	ALBANIA. MD 3.6 (TTG), 4.0 (ATH). ML 4.0 (SKO).
	23	03	27	05 1*	8.536	N	126.680	E	33 N	5.1	1.2	11	MINDANAO, PHILIPPINE ISLANDS
	23	03	55	34 0%	10.451	N	61.823	W	5 G		0.8	8	TRINIDAD
	23	04	47	05.6*	7.540	N	126.330	E	33 N	4.6 4.0	1.4	14	MINDANAO, PHILIPPINE ISLANDS
	23	05	51	34.7&	65.623	N	149.894	W	41			15	ALASKA. <AGS-P>. ML 3.1 (PMR).
	23	06	43	10.2%	44.642	N	10.263	E	10 G		0.5	5	NORTHERN ITALY
	23	08	22	33.5*	52.186	N	158.991	E	33 N	4.8	0.7	26	NEAR EAST COAST OF KAMCHATKA
	23	09	42	07.8*	8.922	S	118.695	E	33 N	4.7	1.6	8	SUMBAWA ISLAND REGION
	23	09	57	42.3%	39.119	N	27.613	E	10 G		1.3	5	TURKEY
	23	10	31	24.7?	32.46	S	71.48	W	24 *		0.4	8	NEAR COAST OF CENTRAL CHILE
a	23	11	24	02.6	17.401	N	145.788	E	162 G	5.9	1.2	229	MARIANA ISLANDS. Depth from broadband displacement seismograms.
	23	14	25	26.3?	10.81	N	62.75	W	10 G		1.1	11	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
	23	14	49	42.7	38.324	N	26.654	E	10 G		1.2	7	AEGEAN SEA. MD 3.2 (ATH).
	23	14	59	03.2	38.305	N	26.585	E	10 G	4.5	1.0	38	AEGEAN SEA. ML 3.6 (ATH).
	23	16	19	41.2?	38.01	N	29.11	E	10 G		0.6	4	TURKEY
	23	16	37	46.5&	36.457	N	120.443	W	11			25	CENTRAL CALIFORNIA. <BRK>. ML 3.8 (BRK).
	23	16	59	48.6	2.590	N	128.566	E	269 ?	4.9	0.9	44	HALMAHERA
	23	17	02	29.7	43.226	N	0.112	W	10 G		1.5	8	PYRENEES. ML 3.2 (LDG). mbLg 3.1 (MDD).
	23	17	35	26.4&	63.058	N	151.114	W	78			11	CENTRAL ALASKA. <AGS-P>.

	23	17	43	24.5?	41.31	N	13.19	E	10	G			1.3	5	SOUTHERN ITALY
	23	18	15	21.7*	2.589	N	128.526	E	224	?	5.3		0.5	15	HALMAHERA
	23	18	20	17.1	38.345	N	26.633	E	10	G			1.1	8	AEGEAN SEA. MD 3.1 (ATH).
	23	18	41	25.9?	18.32	S	13.57	W	10	G	4.9	4.8	0.8	26	SOUTH ATLANTIC RIDGE
	23	21	23	48.7?	50.21	N	12.35	E	10	G			0.1	4	GERMANY
	23	21	38	51.3%	44.375	N	7.093	E	10	G			0.3	7	NORTHERN ITALY. ML 2.0 (GEN).
	23	22	09	07.3?	18.08	S	177.35	W	642	*	4.8		1.0	14	FIJI ISLANDS REGION
	23	22	29	53.5%	39.649	N	22.835	E	10	G			0.3	8	GREECE
	23	22	56	38.8	20.010	S	168.500	E	52	*	4.7		0.8	13	LOYALTY ISLANDS
a	23	23	39	10.9*	52.522	S	140.309	E	10	G	4.7		1.3	50	WEST OF MACQUARIE ISLAND
	24	01	20	20.9	35.361	N	31.859	E	33	N			1.2	27	CYPRUS. MD 4.0 (HLW). ML 3.8 (CSS).
	24	01	41	55.8	40.271	N	21.744	E	10	G			0.9	8	GREECE. ML 2.7 (THE).
	24	02	14	30.5*	49.545	N	155.677	E	33	N	4.7		0.9	40	KURIL ISLANDS
	24	03	11	31.9%	16.106	N	61.165	W	33	N			0.4	6	LEEWARD ISLANDS. ML 1.9 (FDF).
	24	05	00	11.4%	37.713	N	29.118	E	10	G			1.0	5	TURKEY
	24	05	06	48.3&	59.941	N	152.866	W	98					15	SOUTHERN ALASKA. <AGS-P>.
	24	05	10	32.4%	43.134	N	10.771	E	10	G			0.4	12	CENTRAL ITALY. MD 2.9 (ROM).
	24	06	17	49.1*	41.369	N	22.604	E	5	G			1.1	5	YUGOSLAVIA. ML 1.9 (SKO).
	24	07	11	34.2*	51.118	N	179.465	E	33	N	4.4		1.3	16	RAT ISLANDS, ALEUTIAN ISLANDS
	24	07	31	05.3*	32.900	S	72.419	W	31				1.0	14	OFF COAST OF CENTRAL CHILE
	24	07	45	12.1*	51.225	N	15.889	E	10	G			0.4	6	POLAND. ML 3.3 (VKA), 2.9 (KBA).
	24	08	45	58.9&	46.650	N	122.116	W	19		4.3			165	WASHINGTON. <SEA>. ML 5.1 (SEA). Felt (V) at Ashford, Eatonville, Enumclaw, Graham, Kapawsin, Orting and Wilkeson; (IV) at Carbonado, Carralls, Chehalis, Cinebar, Curtis, Elbe, Everett, Glenomo, Greenwater, Kent, Lakebay, Littlerock, Langmire, Marysville, McMillin, Mineral, Morton, Packwood, Puyallup, Randle, Seattle-Tacoma Airport, South Colby, Summer and Winlock. Felt from Portland, Oregon to the Canadian border.
	24	09	54	28.9?	39.14	N	27.54	E	10	G			0.2	4	TURKEY
	24	10	17	03.4?	40.38	N	28.96	E	10	G			0.9	4	TURKEY
	24	10	51	20.2?	32.55	S	72.22	W	33	N			1.4	12	OFF COAST OF CENTRAL CHILE
	24	11	27	51.3?	13.00	N	144.22	E	33	N	4.5		0.1	6	SOUTH OF MARIANA ISLANDS
	24	12	16	56.9&	61.754	N	149.736	W	30					17	SOUTHERN ALASKA. <AGS-P>.
	24	12	18	16.3%	36.092	N	31.376	E	10	G			0.7	5	TURKEY
	24	12	25	07.3	1.869	S	133.709	E	33	N	4.8		1.1	20	WEST IRIAN REGION
	24	12	48	41.3%	46.977	N	5.804	E	10	G			1.3	9	FRANCE. ML 2.7 (LDG).
	24	13	53	47.7*	19.970	S	177.477	W	396	*	4.7		1.1	23	FIJI ISLANDS REGION
	24	14	18	39.8*	35.289	N	27.774	E	10	G			1.2	12	DODECANESE ISLANDS. MD 4.1 (ATH).
	24	14	27	27.9?	4.37	S	128.51	E	185	*	4.7		0.9	8	BANDA SEA
	24	15	00	19.9*	6.633	S	127.390	E	415	*	5.1		1.4	19	BANDA SEA
	24	15	55	49.7*	40.665	N	20.729	E	10	G			0.3	5	GREECE-ALBANIA BORDER REGION. ML 2.5 (THE), 2.2 (SKO).
	24	16	02	01.0&	62.442	N	155.669	W	17					7	CENTRAL ALASKA. <AGS-P>.
	24	17	03	41.1&	40.813	N	127.610	W	6					12	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK).
	24	17	12	09.9%	41.497	N	13.753	E	10	G			0.5	6	SOUTHERN ITALY
	24	17	27	35.5*	16.980	S	14.448	W	10	G	4.8	4.2	1.4	10	SOUTH ATLANTIC RIDGE
	24	17	36	36 0*	20.451	S	168.725	E	35	*	4.7		1.2	34	LOYALTY ISLANDS
	24	18	45	42.5&	40.413	N	125.317	W	8					39	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK).
	24	18	49	13.4	33.573	N	138.435	E	252		4.5		0.7	67	SOUTH OF HONSHU, JAPAN
	24	19	24	37.3	35.630	N	111.389	E	42	*	4.5		1.1	21	EASTERN CHINA. ML 4.7 (BJI).
	24	20	26	21.8	40.201	N	119.003	E	19		4.6		1.3	14	NORTHEASTERN CHINA. ML 4.5 (BJI).
	24	22	36	05.8*	10.407	N	62.238	W	22	*			1.1	10	NEAR COAST OF VENEZUELA. MG 4.4 (FDF).
	24	22	43	45.7%	46.031	N	2.737	E	23				1.0	20	FRANCE. ML 3.1 (LDG).
	25	01	52	24.6*	34.062	S	70.767	W	92	*			1.2	17	CHILE-ARGENTINA BORDER REGION
	25	03	05	08.9*	43.166	N	21.783	E	10	G			0.9	7	YUGOSLAVIA. ML 2.1 (SKO).
	25	03	18	48.7?	40.31	N	19.71	E	10	G			1.1	6	ALBANIA
	25	03	21	35.7&	35.917	N	117.728	W	11					16	CENTRAL CALIFORNIA. <PAS-P>. ML 3.6 (BRK), 3.3 (PAS).
	25	03	45	03.9?	37.05	N	30.90	E	10	G			1.3	4	TURKEY
	25	04	07	48.6?	32.24	S	69.74	W	33	N			0.5	4	MENDOZA PROVINCE, ARGENTINA
	25	04	25	51.3	60.051	N	73.463	W	10	G	5.1	4.6	0.8	122	NORTHERN QUEBEC
	25	04	59	03.1?	44.26	N	7.45	E	10	G			0.0	4	NORTHERN ITALY. ML 2.6 (GEN).
	25	07	32	11.1*	23.882	S	66.791	W	226	*			1.1	7	JUJUY PROVINCE, ARGENTINA
	25	07	39	59.2?	5.58	S	144.80	E	109	*	4.1		0.5	7	PAPUA NEW GUINEA
	25	08	24	21.2&	62.972	N	124.953	W	18	G				8	NORTHWEST TERRITORIES, CANADA. <PGC-P>. mbLg 3.7 (PGC).
	25	08	29	26.9	35.245	N	90.744	W	5	G			0.2	7	ARKANSAS. mbLg 3.2 (NEIS). Felt (V) at Wynne.
	25	08	47	21.3	36.263	N	141.010	E	47	D	4.7		1.3	48	NEAR EAST COAST OF HONSHU, JAPAN
	25	08	48	20.5&	63.325	N	145.197	W	0					21	CENTRAL ALASKA. <AGS-P>.
	25	09	13	47.7*	23.495	N	121.425	E	50	*	3.8		1.2	14	TAIWAN
	25	10	23	02.0	36.684	N	26.739	E	10	G			1.0	7	DODECANESE ISLANDS
	25	11	44	30.0&	36.433	N	118.013	W	7					13	CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK).
	25	11	58	07.1*	29.455	S	69.582	W	149	?			1.1	12	CHILE-ARGENTINA BORDER REGION
	25	13	24	08 4	31.614	N	99.704	E	33	N	4.0		1.4	15	SICHUAN PROVINCE, CHINA. ML 4.4 (BJI).
	25	14	07	03.8?	43.14	N	12.69	E	10	G			0.2	4	CENTRAL ITALY
a	25	14	24	32.6	60.080	N	73.445	W	5	G	6.2	6.3	0.8	465	NORTHERN QUEBEC. Ms 6.2 (BRK), 6.2 (PAS). mbLg 6.1 (OTT). Felt strongly at Kuujjuaq. Depth from broadband displacement seismograms.
	25	14	50	57.4*	59.572	S	25.898	W	33	N	5.1		1.1	24	SOUTH SANDWICH ISLANDS REGION
	25	15	04	24.7?	16.62	N	96.63	W	83	*			0.9	8	OAXACA, MEXICO
	25	15	40	05.2%	16.678	N	97.653	W	33	N			1.3	5	OAXACA, MEXICO
	25	17	49	04.6	36.753	N	26.633	E	10	G			1.3	18	DODECANESE ISLANDS. ML 4.1 (ATH).
	25	18	31	39.8&	61.844	N	148.895	W	13					24	SOUTHERN ALASKA. <AGS-P>.
a	25	19	50	18.9	1.679	N	127.200	E	102		5.6		1.0	155	HALMAHERA
	25	21	16	14.8*	35.668	N	10.303	W	33	N			0.8	12	NORTH ATLANTIC OCEAN. mbLg 3.7 (MDD).
	25	21	25	07.5*	21.328	S	67.340	W	235	*	4.6		0.7	11	CHILE-BOLIVIA BORDER REGION
	25	23	07	20.4	38.116	N	22.027	E	10	G			1.3	11	GREECE. ML 3.0 (ATH).
	25	23	14	47.9	21.295	S	68.189	W	95		5.3		0.9	94	CHILE-BOLIVIA BORDER REGION
	26	00	50	48.0%	39.432	N	23.109	E	10	G			0.5	8	AEGEAN SEA. ML 2.4 (ATH).
	26	01	14	20.5&	61.616	N	150.887	W	58					26	SOUTHERN ALASKA. <AGS-P>.
a	26	01	30	13.8	41.714	S	83.954	W	10	G	5.9	5.8	1.0	138	WEST CHILE RISE. Mo=3.0*10**18 Nm (PPT).
	26	01	39	06.7%	40.509	N	22.920	E	10	G			0.5	5	GREECE. ML 1.6 (THE).
	26	02	30	09.6	36.395	N	26.784	E	144		4.4		1.1	132	DODECANESE ISLANDS. MD 4.2 (HLW).
	26	03	30	33.3	38.145	N	21.993	E	10	G			1.0	11	GREECE. ML 2.8 (THE), 2.9 (ATH).

	26	05	56	04.8*	41.721	N	23.132	E	10	G		0.6	9	GREECE-BULGARIA BORDER REGION. ML 2.8 (THE), 2.5 (SKO).
	26	06	11	15.2&	61.383	N	140.311	W	18	G			12	SOUTHERN YUKON TERRITORY, CANADA. <PGC>. ML 3.1 (PGC).
	26	06	17	00.0?	15.16	N	61.33	W	10	G		0.2	5	LEEWARD ISLANDS. MD 3.4 (TRN).
	26	06	21	21.8%	40.323	N	22.080	E	10	G		1.0	5	GREECE. ML 1.7 (THE).
	26	08	33	52.8?	32.15	S	72.08	W	33	N		0.3	9	OFF COAST OF CENTRAL CHILE
	26	09	35	56.7	42.538	N	13.177	E	10	G		0.9	24	CENTRAL ITALY. MD 3.3 (SSO), 3.0 (ROM). ML 3.0 (KBA).
	26	09	40	50.0*	43.609	N	18.810	E	10	G		0.1	5	YUGOSLAVIA. ML 2.6 (TTG).
	26	09	42	05.0*	37.183	N	70.777	E	33	N	4.5	1.4	11	AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog, USSR.
	26	12	12	51.1	36.247	N	27.305	E	10	G		0.8	8	DODECANESE ISLANDS
	26	12	26	08.0*	9.073	S	121.601	E	33	N		0.8	6	SAVU SEA
	26	12	40	21.4	6.301	S	154.273	E	62	*	4.4	1.1	21	SOLOMON ISLANDS
	26	12	41	07.3*	36.256	N	27.217	E	10	G		1.4	6	DODECANESE ISLANDS
	26	12	42	22.3*	41.314	N	22.519	E	10	G		0.4	5	YUGOSLAVIA. ML 1.8 (THE), 1.7 (SKO).
	26	13	15	25.9	36.247	N	27.283	E	10	G		1.0	7	DODECANESE ISLANDS
	26	13	15	45.3?	11.03	S	162.37	E	33	N	5.2	1.6	6	SOLOMON ISLANDS
	26	13	22	05.4%	37.316	N	1.795	W	10	G		0.6	5	SPAIN. mbLg 3.0 (MDD).
	26	13	24	42.9	36.287	N	27.231	E	10	G		1.3	10	DODECANESE ISLANDS. ML 4.1 (ATH).
	26	14	19	21.9*	51.378	N	175.343	W	33	N	4.1	1.1	14	ANDREANOF ISLANDS, ALEUTIAN IS.
	26	14	23	21.2*	15.459	N	92.383	W	33	N	4.7	1.3	6	MEXICO-GUATEMALA BORDER REGION
	26	16	00	33.3?	32.25	S	71.89	W	10	G		0.2	9	NEAR COAST OF CENTRAL CHILE
	26	16	31	15.9%	39.719	N	15.709	E	10	G		0.8	5	SOUTHERN ITALY
	26	16	46	31.5&	61.396	N	150.935	W	61				19	SOUTHERN ALASKA. <AGS-P>.
	26	17	41	04.1	2.247	N	126.724	E	56	*	5.3	1.2	95	MOLUCCA PASSAGE
	26	19	06	14.7	44.316	N	9.735	E	10	G		0.8	33	NORTHERN ITALY. ML 2.9 (LDG). MD 2.9 (ROM).
	26	19	41	50.6?	15.70	N	61.47	W	10	G		0.5	4	LEEWARD ISLANDS. ML 1.6 (FDF).
	26	19	58	34.0	35.417	N	119.446	W	5	G		0.9	14	CENTRAL CALIFORNIA. ML 3.2 (BRK).
	26	19	59	56.6	43.473	N	7.525	E	10	G	4.6	1.0	87	NEAR SOUTH COAST OF FRANCE. ML 4.6 (GEN), 4.5 (LDG). Felt (V) at Nice and (IV) along the French Riviera near Monaco.
	26	20	14	19.3&	40.427	N	125.513	W	33	N			6	OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.7 (BRK).
	26	20	36	21.7	43.497	N	7.505	E	10	G		0.6	13	NEAR SOUTH COAST OF FRANCE. ML 2.4 (LDG), 2.2 (GEN).
	26	21	33	57.5*	7.151	S	129.462	E	115	*	4.2	1.2	13	BANDA SEA
	26	22	07	11.3?	43.44	N	7.50	E	10	G		0.3	6	NEAR SOUTH COAST OF FRANCE. ML 1.8 (GEN).
	26	22	16	43.0	15.493	N	60.807	W	29			0.3	14	LEEWARD ISLANDS. ML 3.2 (FDF).
	26	22	46	42.0&	37.187	N	122.070	W	12				18	CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=1.7*10**14 Nm (BRK). Felt (IV) at Brookdale. Felt in the San Jose-Watsonville area.
	26	23	17	59.8	18.144	N	63.777	W	106		4.5	0.7	22	LEEWARD ISLANDS. MD 4.2 (TRN).
	26	23	22	40.1	23.655	N	120.924	E	10	G		0.4	6	TAIWAN
	26	23	23	50.9*	3.869	S	152.040	E	219	*	4.9	0.8	10	NEW IRELAND REGION
	26	23	48	43.0?	5.16	S	147.75	E	213	?	4.2	0.1	5	EAST PAPUA NEW GUINEA REGION
	27	00	21	08.4	43.572	N	7.501	E	10	G		0.4	9	NEAR SOUTH COAST OF FRANCE. ML 1.8 (GEN).
	27	00	45	37.1*	37.668	N	20.860	E	10	G		1.4	5	IONIAN SEA. ML 3.4 (ATH).
	27	01	47	21.6*	32.260	S	71.626	W	33	N		0.8	10	NEAR COAST OF CENTRAL CHILE
	27	02	00	03.4%	43.511	N	7.482	E	10	G		0.2	8	NEAR SOUTH COAST OF FRANCE. ML 1.7 (GEN).
	27	03	15	01.6?	40.13	N	28.88	E	10	G		0.4	4	TURKEY
	27	03	43	39.8	43.527	N	7.502	E	10	G		0.4	10	NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG), 2.0 (GEN).
	27	03	48	09.6%	43.522	N	7.479	E	10	G		0.2	8	NEAR SOUTH COAST OF FRANCE. ML 1.7 (GEN).
	27	04	19	43.8	0.963	N	126.131	E	62	*	5.1	1.0	75	MOLUCCA PASSAGE
	27	05	13	46.5?	39.60	N	28.85	E	10	G		1.1	4	TURKEY
	27	05	26	38.6*	6.526	S	144.652	E	33	N	3.8	1.5	6	PAPUA NEW GUINEA
	27	06	12	18.1	32.501	N	47.556	E	45		4.7	1.0	58	IRAN-IRAQ BORDER REGION
	27	06	12	53.4	44.623	N	114.358	W	10	G		0.7	24	WESTERN IDAHO. ML 3.5 (NEIS), 3.7 (BUT). Felt (V) at Challis. Felt (III) at Clayton and Ellis.
	27	07	19	58.5	8.550	N	126.891	E	37	D	4.9 4.4	1.3	29	MINDANAO, PHILIPPINE ISLANDS
	27	07	33	43.9	43.495	N	7.524	E	10	G		0.5	12	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG), 2.2 (GEN).
	27	07	54	33.0%	40.236	N	23.864	E	0	G		0.4	7	GREECE. ML 2.3 (THE).
	27	09	00	00.7*	43.558	N	7.497	E	10	G		1.3	7	NEAR SOUTH COAST OF FRANCE. ML 1.5 (GEN).
	27	09	18	21.1	43.534	N	7.475	E	11			0.3	9	NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG).
	27	10	43	40.6	43.919	N	19.080	E	5	G		1.3	21	YUGOSLAVIA. MD 3.2 (TTG). ML 3.5 (ZAG), 3.4 (KBA).
	27	11	28	46.7	43.517	N	7.545	E	10	G		0.5	18	NEAR SOUTH COAST OF FRANCE. ML 2.8 (GEN), 2.7 (LDG).
	27	11	29	43.6&	61.270	N	150.201	W	32				29	SOUTHERN ALASKA. <AGS-P>. ML 2.6 (PMR).
	27	11	31	50.8	43.544	N	7.524	E	10	G		0.5	9	NEAR SOUTH COAST OF FRANCE. ML 2.0 (GEN).
	27	12	02	04.9?	43.70	N	7.51	E	10	G		0.4	6	NEAR SOUTH COAST OF FRANCE. ML 1.5 (GEN).
	27	12	02	22.2	43.745	N	7.550	E	10	G		0.4	6	NEAR SOUTH COAST OF FRANCE. ML 1.7 (GEN).
	27	13	33	56.6	42.562	N	24.074	E	10	G		0.5	11	BULGARIA. ML 3.0 (THE).
	27	14	07	06.8*	43.512	N	7.430	E	10	G		0.7	6	NEAR SOUTH COAST OF FRANCE. ML 1.5 (GEN).
	27	14	31	30.6	32.671	N	47.962	E	43	*	4.5	1.2	43	IRAN-IRAQ BORDER REGION
	27	14	31	46.1	43.518	N	7.539	E	10	G		0.3	12	NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG), 2.2 (GEN).
	27	15	02	53.4	43.506	N	7.528	E	10	G		0.5	14	NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG), 2.2 (GEN).
	27	16	10	01.7&	37.200	N	122.068	W	12				15	CENTRAL CALIFORNIA. <BRK>. ML 3.6 (BRK). Mo=1.8*10**14 Nm (BRK). Felt in Santa Clara County.
	27	16	22	14.1&	37.180	N	121.975	W	8				16	CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK).
	27	16	27	16.5?	16.05	N	61.02	W	10	G		0.5	4	LEEWARD ISLANDS. ML 2.1 (FDF).
	27	16	27	52.2*	11.172	N	93.045	E	94	?	4.0	0.7	7	ANDAMAN ISLANDS REGION
	27	17	43	01.5*	43.524	N	7.460	E	10	G		0.2	8	NEAR SOUTH COAST OF FRANCE. ML 1.4 (GEN).
	27	18	39	15.5*	43.520	N	7.463	E	10	G		0.1	8	NEAR SOUTH COAST OF FRANCE. ML 1.4 (GEN).
	27	19	24	08.5	4.906	S	103.119	E	63	D	5.3	1.2	78	SOUTHERN SUMATERA
	27	19	35	37.6?	42.86	N	127.76	W	10	G		0.3	35	OFF COAST OF OREGON. CL 3.4 (SEA).
a	27	20	01	05.2	4.436	S	102.965	E	65		5.4	1.0	182	SOUTHERN SUMATERA
	27	21	45	58.1	22.399	N	143.527	E	127	?	4.3	1.0	14	VOLCANO ISLANDS REGION
	27	22	10	47.6&	34.190	N	117.380	W	14				13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	27	22	29	32.8*	61.983	N	150.899	W	33	N		0.4	5	SOUTHERN ALASKA
	27	22	34	55.2*	19.018	S	68.582	W	81	*	4.0	1.4	11	CHILE-BOLIVIA BORDER REGION
	27	22	56	48.9	38.689	S	174.960	E	278	*		0.4	23	NORTH ISLAND, NEW ZEALAND
	27	23	26	57.0	32.967	S	151.619	E	10	G	5.4	1.0	132	NEAR S.E. COAST OF AUSTRALIA. MD 5.5 (CNB). Twelve people killed, more than 100 injured and estimated 1.1 billion U.S. dollars damage (VIII) caused in the Newcastle area. Damage occurred as far away as Liverpool, Scone and Gladstone. Felt in a 200,000 sq. km. area of New South Wales and the Australian Capital Territory from Albury and Cooma to Coffs Harbour and

													Inverell and as far west as Narramine. Also felt by people in high-rise buildings in Gold Coast and Melbourne. Believed to be the first earthquake in Australian history that has caused deaths.
27	23	29	15.0*	39.026	N	21.874	E	10	G			1.3	6 GREECE
28	00	22	28.4	37.945	N	14.845	E	10	G			0.5	6 SICILY
28	01	29	00.3%	60.050	N	73.427	W	10	G	4.0		0.9	5 NORTHERN QUEBEC
28	01	35	48.2*	43.515	N	7.511	E	10	G			0.3	8 NEAR SOUTH COAST OF FRANCE. ML 1.7 (GEN).
28	01	40	11.6	34.819	N	24.337	E	31		4.0		1.1	32 CRETE. ML 3.8 (ATH).
28	02	02	09.8	43.529	N	7.507	E	10	G			0.4	9 NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN).
28	03	07	12.9?	44.30	N	7.05	E	10	G			0.5	5 NORTHERN ITALY. ML 1.6 (GEN).
28	03	14	07.6	1.089	N	78.832	W	15				0.7	9 COLOMBIA-ECUADOR BORDER REGION
28	03	58	29.5?	38.93	N	15.00	E	10	G			1.2	5 SICILY
28	05	02	50.3	43.492	N	7.574	E	10	G			0.7	19 NEAR SOUTH COAST OF FRANCE. ML 2.9 (LDG), 2.8 (GEN).
28	05	34	30.1*	22.991	N	121.608	E	10	G			0.8	5 TAIWAN REGION
28	05	35	09.5?	16.16	N	62.15	W	80	G			1.5	9 LEEWARD ISLANDS. MD 3.3 (TRN).
28	06	26	23.1*	18.221	N	100.100	W	30	*			0.8	7 GUERRERO, MEXICO
28	07	54	42.0*	43.551	N	7.471	E	10	G			0.3	7 NEAR SOUTH COAST OF FRANCE. ML 1.4 (GEN).
28	08	07	14.5?	37.01	N	29.00	E	10	G			0.2	4 TURKEY
28	08	33	47.3%	39.566	N	24.331	E	5	G			0.5	8 AEGEAN SEA. ML 2.5 (THE).
28	09	13	17.3&	19.333	N	155.212	W	9		5.0	4.5		94 HAWAII. <HVO-P>. ML 5.0 (HVO). Slight damage in the southeastern part of Hawaii. Felt (V) at Kamuela and (IV) at Hakalau, Hawaii National Park, Hilo, Hanakaa, Honomu, Mountain View, Pahala, Papaikau and Pepeekea. Felt throughout much of the island of Hawaii.
28	09	16	36.0&	19.325	N	155.207	W	9					45 HAWAII. <HVO-P>. MD 4.4 (HVO). Felt in the southern half of the island of Hawaii.
28	09	41	08.1&	34.190	N	117.390	W	15					37 SOUTHERN CALIFORNIA. <PAS-P>. ML 4.5 (PAS), 4.2 (BRK). Felt (IV) at Blue Jay, Cedarpines Park, Carana, Covina, Crestline, Fawnskin, Hemet, Lake Arrowhead, La Palma, Lakewood, Lama Linda, Lytle Creek, Marena Valley, Ora Grande, Pinon Hills, Rancha Cucamonga, Redlands, Rialto and Wrightwood. Felt in Los Angeles, Orange, Riverside and San Bernardino Counties.
28	09	49	54.6*	40.714	N	122.356	W	5	G			0.6	5 NORTHERN CALIFORNIA. ML 2.5 (BRK).
28	09	56	59.9%	40.465	N	21.979	E	10	G			0.7	5 GREECE. ML 2.5 (THE).
28	10	00	44.4&	34.190	N	117.380	W	14					19 SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt at Burbank.
28	10	50	56.2*	10.631	S	165.866	E	48	?	5.0		0.9	9 SANTA CRUZ ISLANDS
28	10	51	35.2*	8.730	N	127.166	E	33	N	4.4		1.3	17 PHILIPPINE ISLANDS REGION
28	11	16	18.6*	8.949	N	126.388	E	33	N	4.6		1.3	10 MINDANAO, PHILIPPINE ISLANDS
28	11	18	14.0&	60.264	N	153.706	W	178					20 SOUTHERN ALASKA. <AGS-P>.
28	11	25	28.2*	36.005	N	27.027	E	10	G			0.8	5 DODECANESE ISLANDS
28	11	59	17.3%	40.593	N	23.261	E	10	G			0.5	8 GREECE. ML 1.9 (THE).
28	13	14	39.7?	9.37	S	112.89	E	33	N	4.8		0.2	6 SOUTH OF JAVA
28	13	41	15.5	16.526	S	69.423	W	210	D	5.0		1.2	156 PERU-BOLIVIA BORDER REGION
28	13	41	51.6	40.961	N	29.086	E	10	G			0.5	6 TURKEY
28	13	45	56.9*	42.562	N	24.472	E	10	G			0.4	8 BULGARIA. ML 2.9 (THE).
28	14	29	28.8	40.350	N	63.313	E	33	N	4.7		0.9	51 UZBEK SSR
28	14	30	46.2	44.417	N	7.243	E	10	G			1.1	8 NORTHERN ITALY. ML 1.9 (GEN).
28	16	01	22.9?	26.46	N	140.90	E	475	*	4.0		0.5	12 BONIN ISLANDS REGION
28	16	06	49.5?	20.42	S	178.43	W	509	?	4.5		1.0	14 FIJI ISLANDS REGION
28	17	12	48.0	6.786	S	112.454	E	33	N	4.9		1.1	28 JAVA
28	17	47	09.6*	10.840	N	62.305	W	66	?			0.3	13 NEAR COAST OF VENEZUELA. MD 3.6 (TRN).
28	18	00	05.8?	35.94	N	26.76	E	10	G			1.4	4 CRETE
28	18	06	02.2?	41.66	N	12.71	E	10	G			0.1	4 SOUTHERN ITALY
28	19	27	18.1?	42.18	N	143.91	E	47	*	4.6		1.2	17 HOKKAIDO, JAPAN REGION
28	19	58	29.2?	41.60	N	12.47	E	10	G			0.7	5 SOUTHERN ITALY
28	20	50	07.9	46.013	N	15.478	E	10		3.6		1.1	42 YUGOSLAVIA. ML 3.9 (VKA), 3.8 (KBA). MD 3.9 (ROM), 3.8 (LJU). Felt (VI) at Krska.
28	20	52	05.1	45.803	N	15.520	E	10	G			0.9	12 YUGOSLAVIA. MD 3.4 (LJU), 3.1 (TRI). ML 3.3 (KBA). Felt at Krska.
28	20	56	40.8	45.839	N	15.453	E	10	G			0.5	12 YUGOSLAVIA. MD 3.3 (LJU). ML 3.1 (KBA), 2.9 (VKA). Felt at Krska.
28	20	59	36.9	45.879	N	15.515	E	10	G			0.6	9 YUGOSLAVIA. ML 2.7 (KBA). MD 2.6 (TRI).
28	21	20	33.8*	43.517	N	7.510	E	10	G			0.4	8 NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN).
28	21	51	37.0*	6.139	S	104.222	E	33	N	4.6		0.5	8 SUNDA STRAIT
28	22	08	45.4%	44.310	N	7.034	E	10	G			0.2	7 NORTHERN ITALY. ML 1.9 (GEN).
28	22	22	47.4*	45.740	N	27.051	E	33	N			1.4	16 ROMANIA
28	22	52	45.5*	11.580	N	86.373	W	49	*	4.8	4.1	1.1	32 NEAR COAST OF NICARAGUA
28	22	54	53.8&	61.725	N	148.232	W	0					18 SOUTHERN ALASKA. <AGS-P>.
28	23	13	30.1	39.924	N	29.259	E	10	G			1.2	18 TURKEY
29	00	19	07.6%	44.287	N	6.991	E	10	G			0.4	7 FRANCE. ML 1.8 (GEN).
29	00	20	22.6%	44.213	N	8.581	E	10	G			0.5	6 NORTHERN ITALY. ML 1.9 (GEN).
29	00	22	11.6	30.306	S	69.378	W	33	N			0.9	14 CHILE-ARGENTINA BORDER REGION
29	01	05	12.3*	14.156	N	61.110	W	33	N			0.3	5 WINDWARD ISLANDS. ML 2.0 (FDF).
29	01	54	09.6?	44.37	N	7.16	E	10	G			0.1	4 NORTHERN ITALY. ML 1.9 (GEN).
29	02	39	52.8	44.238	N	7.527	E	10	G			0.4	10 NORTHERN ITALY. ML 1.8 (GEN), 1.7 (LDG).
29	02	50	09.3	40.784	N	21.607	E	10	G			0.8	7 GREECE. ML 2.5 (SKO), 2.2 (THE).
29	03	53	34.5*	63.266	N	150.960	W	33	N			1.5	6 CENTRAL ALASKA. ML 3.0 (PMR).
29	04	20	29.8	28.791	N	67.256	E	15	D	4.7		1.3	64 PAKISTAN
29	04	45	14.9%	31.011	S	68.226	W	33	N			1.2	5 SAN JUAN PROVINCE, ARGENTINA
29	05	24	29.9*	33.219	S	71.991	W	10	G			0.8	14 NEAR COAST OF CENTRAL CHILE
29	05	29	03.2	44.443	N	7.333	E	14				0.3	13 NORTHERN ITALY. ML 1.9 (LDG), 1.8 (GEN).
29	05	49	19.1*	39.403	N	107.202	E	33	N	3.8		1.1	5 NORTHERN CHINA. ML 4.0 (BJI).
29	08	39	39.4&	36.967	N	121.763	W	16					15 CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt (IV) at Gilroy and (III) at Aramas.
29	08	58	37.5%	44.094	N	7.085	E	10	G			0.2	8 NORTHERN ITALY. ML 2.0 (GEN).
29	09	03	58.4?	39.13	N	29.70	E	10	G			0.6	4 TURKEY
29	10	15	05.1*	38.723	N	22.091	E	10	G			0.8	5 GREECE. MD 3.0 (ATH).
29	10	17	39.8&	59.206	N	153.630	W	103					19 SOUTHERN ALASKA. <AGS-P>.
29	10	18	04.5	43.527	N	7.531	E	10	G			0.4	12 NEAR SOUTH COAST OF FRANCE. ML 2.5 (LDG).
29	10	56	08.3*	4.969	S	152.622	E	33	N	4.2	3.7	1.0	8 NEW BRITAIN REGION

	29	11	09	50.8	31.405	N	60.534	E	33	N	4.7	4.3	1.0	49	IRAN
	29	11	10	58.7*	7.046	S	130.096	E	82	?	4.8		1.5	14	TANIMBAR ISLANDS REGION
	29	11	41	03.7*	23.018	N	121.314	E	10	G			1.4	6	TAIWAN
	29	14	18	54.7	15.430	N	61.204	W	142	?			0.4	14	LEEWARD ISLANDS
	29	14	36	47.1	18.817	S	175.371	W	262	*	4.8		1.1	75	TONGA ISLANDS
	29	14	42	58.3%	46.480	N	2.890	E	10	G			0.5	6	FRANCE. ML 1.7 (LDG).
	29	14	54	52.8	44.384	N	6.905	E	10	G			0.4	12	FRANCE. ML 2.3 (LDG), 2.2 (GEN).
	29	15	17	01.8	6.321	S	149.075	E	67	*	4.5		0.9	31	NEW BRITAIN REGION
	29	15	51	07.5	24.637	N	94.518	E	95	*	4.4		1.0	24	BURMA-INDIA BORDER REGION
a	29	17	00	58.8	15.765	N	147.227	E	36	*	5.0	4.3	0.9	63	MARIANA ISLANDS REGION
	29	18	59	03.1*	7.802	N	126.965	E	57	?	4.4	3.8	1.4	25	MINDANAO, PHILIPPINE ISLANDS
	29	19	13	03.0	29.084	S	70.935	W	33	N			1.1	16	CENTRAL CHILE
	29	19	43	27.5?	30.25	S	69.66	W	33	N			0.6	5	CHILE-ARGENTINA BORDER REGION
	29	20	21	14.9	13.815	N	60.140	W	28				0.3	23	WINDWARD ISLANDS. ML 3.7 (FDF).
	29	20	43	39.3	40.117	N	24.517	E	10	G			0.6	25	AEGEAN SEA. ML 3.6 (ATH).
	29	21	26	08.9*	24.209	N	94.378	E	89	*	4.3		1.3	13	BURMA-INDIA BORDER REGION
	29	22	37	36.9?	7.40	S	128.64	E	200	?	4.4		0.1	5	BANDA SEA
	30	00	22	48.1	24.132	S	68.958	W	88	D	4.7		0.7	18	CHILE-ARGENTINA BORDER REGION
	30	01	48	02.4?	40.57	N	14.93	E	10	G			0.9	4	SOUTHERN ITALY
	30	02	46	17.4&	32.380	N	115.260	W	6	G				7	CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.5 (PAS).
	30	03	13	26.3	36.668	N	20.569	E	10	G			0.9	20	MEDITERRANEAN SEA. ML 3.3 (THE).
	30	03	46	21.1	36.700	N	20.574	E	10	G			1.0	26	MEDITERRANEAN SEA. ML 3.3 (THE). MD 3.7 (ATH).
a	30	04	42	51.1	16.177	S	167.967	E	184	D	5.5		1.0	207	VANUATU ISLANDS
	30	05	06	24.8	45.854	N	15.514	E	10	G			1.2	9	YUGOSLAVIA. MD 2.8 (LJU), 2.6 (TRI). ML 2.5 (KBA). Felt (IV) at Krsko.
	30	05	09	20.4	39.304	N	23.403	E	10	G			1.1	16	AEGEAN SEA. ML 2.9 (ATH), 2.9 (THE).
	30	05	11	30.0	45.889	N	15.517	E	10	G			1.2	6	YUGOSLAVIA. ML 1.5 (KBA). Felt at Krsko.
	30	05	16	15.0*	45.916	N	15.544	E	10	G			1.4	5	YUGOSLAVIA. MD 2.6 (LJU). Felt at Krsko.
	30	06	36	40.3*	23.598	N	121.626	E	48	*	3.9		0.9	10	TAIWAN
	30	08	11	05.6?	33.27	S	70.62	W	90	?			0.3	9	CHILE-ARGENTINA BORDER REGION
	30	08	55	42.9%	15.476	N	93.098	W	33	N			0.3	7	NEAR COAST OF CHIAPAS, MEXICO
	30	09	19	13.7?	44.35	N	7.15	E	10	G			0.0	4	NORTHERN ITALY. ML 1.6 (GEN).
	30	10	51	21.4*	26.546	S	178.312	E	630	*	4.8		1.1	36	SOUTH OF FIJI ISLANDS
	30	10	52	15.6	45.029	N	6.715	E	10	G			0.7	18	FRANCE. ML 2.5 (LDG).
	30	10	57	13.9?	30.60	S	179.43	E	532	?	5.2		0.9	19	KERMADEC ISLANDS REGION
	30	11	20	03.5%	46.204	N	2.690	E	10	G			0.3	10	FRANCE. ML 1.7 (LDG).
a	30	12	38	11.2	26.209	S	70.507	W	32		5.3	5.0	1.2	79	NEAR COAST OF NORTHERN CHILE. Felt (IV) at Copiapo.
	30	12	45	47.6	7.986	N	127.041	E	33	D	5.2	4.6	1.2	62	PHILIPPINE ISLANDS REGION
	30	13	03	34.5?	7.41	S	146.36	E	86	?	3.5		0.4	5	EAST PAPUA NEW GUINEA REGION
	30	13	12	52.1*	40.962	N	142.398	E	82	*	4.6		1.0	31	NEAR EAST COAST OF HONSHU, JAPAN
	30	13	50	06.7?	44.36	N	7.16	E	10	G			0.0	4	NORTHERN ITALY. ML 1.7 (GEN).
	30	16	08	33.0*	10.036	N	126.110	E	33	N	4.7		1.3	12	PHILIPPINE ISLANDS REGION
	30	19	10	41.8?	23.25	S	178.80	W	597	?	4.6		0.9	13	SOUTH OF FIJI ISLANDS
	30	20	09	14.4%	41.721	N	12.788	E	10	G			0.4	5	SOUTHERN ITALY
a	30	20	16	01.9*	0.993	N	30.180	W	10	G	4.9	5.3	1.1	64	CENTRAL MID-ATLANTIC RIDGE
	30	20	16	42.0*	40.444	N	29.363	E	10	G			0.6	5	TURKEY
	30	20	54	55.2*	26.077	S	70.974	W	33	N			1.5	10	NEAR COAST OF NORTHERN CHILE
	30	21	25	35.6%	41.858	N	12.791	E	10	G			0.3	5	SOUTHERN ITALY
	30	21	56	44.7%	23.176	N	121.793	E	10	G			0.5	6	TAIWAN
	30	21	57	58.8	5.858	S	153.417	E	30		4.5	4.7	0.9	19	NEW IRELAND REGION
	30	22	39	37.4*	35.958	N	27.309	E	10	G			1.5	6	DODECANESE ISLANDS. MD 3.5 (ATH).
	30	23	15	36.0	3.404	S	146.287	E	42	D	5.1		1.2	69	BISMARCK SEA
a	30	23	18	51.6	3.406	S	145.966	E	38	D	5.6	6.6	1.3	144	NEAR N COAST OF PAPUA NEW GUINEA. Ms 7.0 (BRK), 6.4 (PAS). Mo=1.6*10**19 Nm (PPT). Felt (III) on Karkar and Manam.
	30	23	20	25.9*	24.035	N	121.753	E	46	?			0.4	7	TAIWAN
	31	00	00	07.2	40.984	N	20.460	E	10	G			1.1	8	GREECE-ALBANIA BORDER REGION. ML 2.5 (SKO).
	31	00	11	24.6*	3.248	S	146.716	E	33	N	4.9		1.4	20	BISMARCK SEA
	31	01	04	56.9	40.713	N	21.549	E	10	G			1.0	7	GREECE. MD 3.2 (ATH). ML 3.9 (SKO).
	31	01	59	56.8?	42.53	N	12.80	E	10	G			0.1	4	CENTRAL ITALY
	31	02	45	49.6*	3.413	S	146.327	E	33	N	4.8	4.9	1.8	18	BISMARCK SEA
	31	02	52	05.1*	3.353	S	146.639	E	33	N	4.9	4.9	0.9	15	BISMARCK SEA
	31	05	46	12.8	38.792	N	118.792	W	10	G			0.9	27	CALIFORNIA-NEVADA BORDER REGION. ML 4.2 (BRK). Felt (III) at Hawthorne, Nevada.
	31	05	54	33.6*	38.068	S	176.197	E	209	*			0.3	21	NORTH ISLAND, NEW ZEALAND
	31	06	03	01.0*	11.655	S	166.229	E	71	?	4.6		1.2	14	SANTA CRUZ ISLANDS
	31	06	48	50.6&	36.953	N	121.612	W	6					15	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	31	08	04	33.7	36.103	N	27.083	E	41	*	3.9		1.1	28	DODECANESE ISLANDS. MD 4.1 (HLW). ML 4.0 (ATH).
	31	08	13	09.6&	36.953	N	121.618	W	10					18	CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK).
	31	08	17	44.8	36.088	N	71.128	E	156	?	4.5		0.9	9	AFGHANISTAN-USSR BORDER REGION
	31	08	24	50.5%	39.950	N	113.783	E	33	N			1.2	5	NORTHEASTERN CHINA. ML 3.6 (BJI)
	31	10	15	49.9*	5.795	S	130.122	E	164	*	4.8		1.1	20	BANDA SEA
	31	10	28	03.1*	8.312	S	119.921	E	33	N	4.2		1.0	6	FLORES ISLAND REGION
	31	10	30	08.3%	35.297	N	26.112	E	10	G			0.2	5	CRETE. MD 3.7 (ATH).
	31	11	54	10.5?	43.69	N	7.55	E	10	G			0.2	4	NEAR SOUTH COAST OF FRANCE. ML 1.4 (GEN).
	31	11	55	18.1?	41.71	N	12.73	E	10	G			0.2	5	SOUTHERN ITALY
	31	12	44	37.3*	22.612	N	94.237	E	53	*	4.4		0.8	16	BURMA
	31	12	53	51.4&	33.480	N	116.440	W	8					10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
	31	13	20	36.3?	6.71	N	126.56	E	33	N	4.3		1.1	6	MINDANAO, PHILIPPINE ISLANDS
	31	13	20	55.1*	6.801	N	126.681	E	64	*	4.8		1.0	24	MINDANAO, PHILIPPINE ISLANDS
	31	13	53	29.6*	36.664	N	20.540	E	33	N			1.1	17	MEDITERRANEAN SEA. ML 3.8 (ATH), 3.5 (THE).
	31	14	12	58.1?	43.72	N	7.51	E	10	G			0.2	6	NEAR SOUTH COAST OF FRANCE. ML 1.7 (GEN).
	31	15	00	42.9*	44.350	N	9.810	E	18				0.7	16	NORTHERN ITALY
	31	15	43	41.9	7.583	N	126.945	E	43	*	5.3	4.2	1.0	43	MINDANAO, PHILIPPINE ISLANDS
	31	15	49	28.2	38.606	N	21.455	E	24		3.8		1.2	66	GREECE. ML 3.8 (THE), 3.6 (ATH).
a	31	15	55	24.8	3.313	S	146.380	E	20	D	5.1	4.9	1.2	63	BISMARCK SEA
	31	16	33	33.4*	36.555	S	78.974	E	10	G	4.9	5.2	1.2	21	MID-INDIAN RISE
	31	16	38	17.0*	34.047	N	32.030	E	10	G	4.6		0.8	6	CYPRUS
	31	17	31	52.6%	43.996	N	7.589	E	10	G			0.3	5	NEAR SOUTH COAST OF FRANCE. ML 1.6 (GEN).
a	31	18	31	20.8	7.628	N	37.086	W	10	G	5.1	4.6	0.9	88	CENTRAL MID-ATLANTIC RIDGE
	31	18	50	55.1?	16.29	N	61.14	W	10	G			0.8	4	LEEWARD ISLANDS. ML 2.3 (FDF).
	31	18	51	23.0*	10.397	N	62.613	W	10	G			1.2	10	NEAR COAST OF VENEZUELA. MD 3.9 (TRN).
	31	20	04	41.0%	37.924	N	14.864	E	10	G			0.3	6	SICILY

31	21 14 44.3&	36.915 N	121.688 W	12		11	CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK).
31	21 29 49.5*	44.691 N	147.708 E	70 G 4.2	1.3	18	KURIL ISLANDS
31	23 13 13.8	3.335 N	97.409 E	79 * 4.8	1.0	44	NORTHERN SUMATERA

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 05 06 12.10 51.631N 178.102W 43km
5.6mb (87 obs.) 5.0Msz (18 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 42C
Centroid Location:
Origin Time 05:06:16.6 0.3
Lat 51.90N 0.04 Lon 177.98W 0.06
Dep 39.7 3.7 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.64	71	319
N	0.45	0	51
P	-3.09	19	141

Best Double Couple:Mo=2.9*10**17
NP1:Strike=232 Dip=26 Slip= 91
NP2: 51 64 89

01 18 59 12.33 14.457S 167.271E 216km
5.1mb (29 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 18:59:18.7 0.6
Lat 14.20S 0.07 Lon 166.65E 0.04
Dep 186.7 1.7 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.27	63	180
N	-0.42	24	329
P	-1.86	12	64

Best Double Couple:Mo=2.1*10**17
NP1:Strike=182 Dip=39 Slip= 130
NP2: 315 61 63

02 07 52 18.18 0.406N 121.642E 124km
5.3mb (25 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 07:52:19.4 1.5
Lat 0.90N 0.12 Lon 122.15E 0.15
Dep 94.4 6.2 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	6.08	44	214
N	1.73	40	67
P	-7.81	17	322

Best Double Couple:Mo=6.9*10**16
NP1:Strike= 9 Dip=45 Slip= 23
NP2: 262 74 133

02 12 15 17.84 39.536N 143.089E 35km
4.9mb (28 obs.) 5.5Msz (8 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 17C
Centroid Location:
Origin Time 12:15:21.3 0.5
Lat 39.17N 0.08 Lon 143.06E 0.08
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	2.99	56	310
N	0.15	6	210
P	-3.14	33	116

Best Double Couple:Mo=3.1*10**17
NP1:Strike=181 Dip=13 Slip= 60
NP2: 31 79 97

02 19 44 26.77 21.240N 93.790E 48km
5.2mb (53 obs.) 4.6Msz (3 obs.)
BURMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 19C
Centroid Location:
Origin Time 19:44:33.4 0.7
Lat 21.62N 0.10 Lon 93.89E 0.05
Dep 44.6 6.2 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	1.17	9	79
N	-0.06	25	344
P	-1.11	63	187

Best Double Couple:Mo=1.1*10**17
NP1:Strike=196 Dip=42 Slip= -50
NP2: 328 59 -120

03 09 45 21.11 23.691N 142.479E 125km
5.0mb (25 obs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 12C
Centroid Location:
Origin Time 09:45:36.6 1.7
Lat 24.38N 0.14 Lon 142.82E 0.10
Dep 156.5 5.3 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	10.30	55	123
N	1.16	32	274
P	-11.46	14	13

Best Double Couple:Mo=1.1*10**17
NP1:Strike=138 Dip=42 Slip= 142
NP2: 258 66 55

03 11 11 56.39 8.828S 113.418E 95km
5.6mb (46 obs.)
JAVA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=248 Dip=70 Slip= -60
NP2: 9 36 -144
Principal Axes:

	Plg=	Azm=
T	19	316
P	55	196

Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 11:11:54.4 1.0
Lat 9.47S 0.10 Lon 113.26E 0.12
Dep 100.9 4.8 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	11.18	6	307
N	-1.14	50	44
P	-10.04	39	212

Best Double Couple:Mo=1.1*10**17
NP1:Strike=358 Dip=59 Slip=-154
NP2: 253 68 -34

03 14 16 48.79 7.631S 74.459W 153km
5.9mb (66 obs.)
PERU-BRAZIL BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 13 Dip=63 Slip= -90
NP2: 193 27 -90
Principal Axes:

	Plg=	Azm=
T	18	103
P	72	283

Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sto: 4 Focal mech. F
Energy 1.8±0.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 156 No. of sto: 15
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	9.43	14	290
N	-0.24	21	194
P	-9.18	65	50

Best Double Couple:Mo=9.3*10**18
NP1:Strike= 46 Dip=36 Slip= -53
NP2: 182 62 -114
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 37C M.W.: 7S, 19C
Centroid Location:
Origin Time 14:16:58.9 0.2
Lat 7.37S 0.02 Lon 74.27W 0.02
Dep 150.9 0.9 Half-duration 7.2
Principal Axes:
Scale 10**18 Nm

	Val=	Plg=	Azm=
T	7.71	7	88
N	-0.80	13	357
P	-6.90	76	206

Best Double Couple:Mo=7.3*10**18
NP1:Strike=192 Dip=40 Slip= -70
NP2: 347 53 -106

03 21 32 20.78 57.655S 148.211E 10km
5.2mb (8 obs.) 5.9Msz (7 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C
Centroid Location:
Origin Time 21:32:30.9 0.4
Lat 57.52S 0.05 Lon 147.88E 0.06
Dep 15.0 FIX Half-duration 3.7
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	9.67	1	209
N	-0.10	86	108
P	-9.57	4	299

Best Double Couple:Mo=9.6*10**17
NP1:Strike=344 Dip=87 Slip= -2
NP2: 74 88 -177

04 06 42 31.21 15.471S 173.156W 76km
5.4mb (31 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 36C
Centroid Location:
Origin Time 06:42:35.9 0.4
Lat 15.30S 0.05 Lon 173.23W 0.04
Dep 41.2 3.3 Half-duration 2.9
Principal Axes:
Scale 10**17 Nm

	Val=	Plg=	Azm=
T	4.88	29	217
N	1.24	20	115
P	-6.12	53	356

Best Double Couple:Mo=5.5*10**17
NP1:Strike=350 Dip=24 Slip= -33
NP2: 111 77 -111

05 03 58 48.30 5.790S 133.707E 33km
5.1mb (18 obs.) 4.4Msz (4 obs.)
AROE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 28C
Centroid Location:
Origin Time 03:58:51.7 0.6
Lat 5.25S 0.12 Lon 134.06E 0.12
Dep 42.5 7.9 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	5.37	16	290
N	0.25	16	196
P	-5.62	68	63

Best Double Couple:Mo=5.5*10**16
NP1:Strike= 42 Dip=32 Slip= -60
NP2: 187 62 -108

05 10 54 10.99 5.724S 150.959E 70km
5.0mb (19 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 10:54:12.0 1.3
Lat 5.97S 0.13 Lon 151.66E 0.15
Dep 66.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

	Val=	Plg=	Azm=
T	4.22	25	54

N 0.51 65 230
P -4.73 2 323
Best Double Couple:Mo=4.5*10**16
NP1:Strike= 96 Dip=71 Slip= 163
NP2: 192 74 19

06 05 19 48.55 6.192S 130.455E 120km
5.7mb (32 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 70 Dip=50 Slip= 42
NP2: 310 59 132
Principal Axes:
T Plg=55 Azm=274
P 5 12
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 2.9±1.1*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 115 No. of sta: 6
Principal Axes:
Scale 10**17 Nm
T Val= 3.25 Plg=36 Azm=295
N -0.40 54 112
P -2.85 2 204
Best Double Couple:Mo=3.0*10**17
NP1:Strike=333 Dip=64 Slip= 154
NP2: 75 67 28
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 35C
Centroid Location:
Origin Time 05:19:51.3 0.4
Lat 6.40S 0.04 Lon 129.98E 0.05
Dep 129.2 1.4 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.89 Plg=65 Azm=275
N -0.66 25 98
P -2.23 1 7
Best Double Couple:Mo=2.6*10**17
NP1:Strike= 74 Dip=49 Slip= 56
NP2: 300 51 123

06 08 41 07.80 32.382N 141.532E 33km
5.2mb (20 obs.) 4.8Msz (5 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centroid Location:
Origin Time 08:41: 4.9 1.7
Lat 31.71N 0.23 Lon 141.60E 0.19
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.81 Plg=73 Azm=356
N 0.67 16 193
P -5.49 5 102
Best Double Couple:Mo=5.2*10**16
NP1:Strike=175 Dip=43 Slip= 66
NP2: 26 52 111

07 12 59 33.56 25.917N 58.971E 16km
5.7mb (69 obs.) 5.7Msz (25 obs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 38C
Centroid Location:
Origin Time 12:59:37.1 0.3
Lat 25.59N 0.04 Lon 58.86E 0.03
Dep 15.0 BDY Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 9.65 Plg=78 Azm=177
N 0.05 8 311
P -9.70 8 43
Best Double Couple:Mo=9.7*10**17
NP1:Strike=142 Dip=37 Slip= 103
NP2: 305 54 80

07 13 38 44.85 6.436S 146.383E 104km
6.0mb (48 obs.)
EAST PAPUA NEW GUINEA REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=329 Dip=83 Slip= 8
NP2: 238 82 173
Principal Axes:
T Plg=11 Azm=194
P 1 103
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 6.6±2.3*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 111 No. of sta: 8
Principal Axes:
Scale 10**19 Nm
T Val= 4.18 Plg= 0 Azm= 11
N 0.18 85 107
P -4.36 5 281
Best Double Couple:Mo=4.3*10**19
NP1:Strike= 56 Dip=86 Slip=-177
NP2: 326 87 -4
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 45C M.W.: 11S, 26C
Centroid Location:
Origin Time 13:38:54.4 0.2
Lat 6.41S 0.02 Lon 146.48E 0.02
Dep 106.8 1.3 Half-duration 7.0
Principal Axes:
Scale 10**18 Nm
T Val= 6.73 Plg=26 Azm=194
N -0.78 51 321
P -5.95 27 90
Best Double Couple:Mo=6.3*10**18
NP1:Strike=232 Dip=51 Slip=-180
NP2: 142 90 -39

07 23 15 28.85 17.975N 146.470E 76km
5.0mb (15 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 23:15:26.0 0.8
Lat 18.18N FIX;Lon 147.08E FIX
Dep 31.7 7.9 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 7.33 Plg=65 Azm=256
N 3.98 8 5
P -11.31 23 98
Best Double Couple:Mo=9.3*10**16
NP1:Strike=205 Dip=23 Slip= 112
NP2: 1 69 81

08 00 04 25.45 21.184N 93.746E 47km
5.6mb (75 obs.) 4.5Msz (5 obs.)
BURMA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 13C
Centroid Location:
Origin Time 00:04:33.0 0.6
Lat 21.54N 0.14 Lon 93.78E 0.07
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.73 Plg=19 Azm= 83
N -0.15 32 340
P -1.58 51 199
Best Double Couple:Mo=1.7*10**17
NP1:Strike=213 Dip=38 Slip= -31
NP2: 328 71 -124

08 02 26 03.32 19.199N 104.440W 67km
5.3mb (29 obs.)
NEAR COAST OF JALISCO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 23C
Centroid Location:
Origin Time 02:26: 1.9 0.8
Lat 19.25N 0.08 Lon 105.14W 0.11
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 2.07 Plg=48 Azm= 8
N -0.37 21 122
P -1.71 35 227
Best Double Couple:Mo=1.9*10**17
NP1:Strike= 13 Dip=22 Slip= 162
NP2: 120 83 69

08 10 23 12.56 10.094N 126.495E 44km
5.7mb (42 obs.) 5.9Msz (27 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 29C
Centroid Location:
Origin Time 10:23:15.7 0.3
Lat 9.47N 0.04 Lon 126.13E 0.03
Dep 15.0 FIX Half-duration 4.1
Principal Axes:
Scale 10**18 Nm
T Val= 2.03 Plg=60 Azm=206
N -0.09 24 346
P -1.94 17 84
Best Double Couple:Mo=2.0*10**18
NP1:Strike=205 Dip=35 Slip= 135
NP2: 335 66 64

08 12 12 59.97 32.301N 140.880E 59km
5.7mb (72 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 12:12:56.5 1.2
Lat 31.87N 0.13 Lon 141.15E 0.09
Dep 62.4 8.4 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.59 Plg=64 Azm= 36
N -0.29 22 181
P -1.30 14 276
Best Double Couple:Mo=1.5*10**17
NP1:Strike= 34 Dip=37 Slip= 129
NP2: 168 62 65

08 17 23 30.24 36.552N 140.917E 47km
5.4mb (61 obs.) 5.2Msz (10 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 17:23:35.0 0.4
Lat 36.44N 0.04 Lon 140.86E 0.04
Dep 45.3 2.9 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 2.52 Plg=71 Azm=315
N 0.69 9 200
P -3.22 17 107
Best Double Couple:Mo=2.9*10**17
NP1:Strike=183 Dip=29 Slip= 72
NP2: 24 63 100

09 20 38 08.59 0.141N 123.340E 151km
6.2mb (76 obs.)
MINAHASSA PENINSULA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 50 Dip=63 Slip= 110
NP2: 191 33 56
Principal Axes:
T Plg=66 Azm=356
P 16 125
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate left-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 1.9±0.6*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 159 No. of sta: 13
Principal Axes:
Scale 10**19 Nm
T Val= 1.21 Plg=61 Azm=337
N -0.01 18 210
P -1.21 22 112
Best Double Couple:Mo=1.2*10**19
NP1:Strike=172 Dip=29 Slip= 48
NP2: 37 69 110
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 30C M.W.: 14S, 28C
Centroid Location:

Origin Time 20:38:12.9 0.2
Lat 0.00N 0.02 Lon 123.69E 0.02
Dep 144.6 0.8 Half-duration 8.4
Principal Axes:
Scale 10**19 Nm
T Val= 1.23 Plg=71 Azm=338
N -0.06 11 214
P -1.16 15 121
Best Double Couple:Mo=1.2*10**19
NP1:Strike=196 Dip=31 Slip= 69
NP2: 40 61 102

11 16 00 11.64 18.690S 168.989E 200km
5.5mb (46 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centraid Locatian:
Origin Time 16:00:17.4 0.6
Lat 18.67S 0.06 Lon 168.43E 0.03
Dep 196.0 1.3 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 7.26 Plg=29 Azm=356
N -0.36 33 245
P -6.89 43 117
Best Double Cauple:Mo=7.1*10**17
NP1:Strike=138 Dip=34 Slip= -15
NP2: 240 82 -124

12 08 33 56.20 4.684S 130.827E 74km
5.8mb (36 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=340 Dip=80 Slip= -15
NP2: 73 75 -170
Principal Axes:
T Plg= 3 Azm= 27
P 18 296
Comment: The facal mechanism is moderately well cantrolled and correspands ta strike-slip faulting with a small normal component. The preferred fault plane is nat determined.
RADIATED ENERGY
No. of sta: 4 Facal mech. F
Energy 1.1±0.4*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 38C
Centraid Location:
Origin Time 08:33:58.4 0.2
Lat 4.58S 0.03 Lon 130.82E 0.04
Dep 72.3 1.7 Half-duration 4.1
Principal Axes:
Scale 10**18 Nm
T Val= 1.32 Plg=26 Azm=212
N 0.26 63 42
P -1.58 4 304
Best Double Couple:Mo=1.5*10**18
NP1:Strike=351 Dip=69 Slip= 16
NP2: 255 75 158

13 13 30 32.71 2.673N 95.415W 10km
4.7mb (5 obs.) 5.0Msz (1 obs.)
GALAPAGOS ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centraid Location:
Origin Time 13:30:34.6 3.4
Lat 2.69N 0.28 Lon 94.53W 0.14
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.81 Plg= 0 Azm=157
N -1.10 90 180
P -7.71 0 67
Best Double Couple:Mo=8.3*10**16
NP1:Strike=202 Dip=90 Slip=-180
NP2: 292 90 0

14 19 13 53.85 10.445S 161.275E 38km
5.6mb (37 obs.) 5.8Msz (16 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C
Centraid Location:
Origin Time 19:14: 8.9 0.4
Lat 9.84S 0.06 Lon 160.77E 0.03
Dep 30.2 2.3 Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 1.39 Plg=66 Azm=177
N -0.33 22 332
P -1.06 9 66
Best Double Couple:Mo=1.2*10**18
NP1:Strike=180 Dip=41 Slip= 125
NP2: 317 58 63

15 12 30 56.56 11.329S 162.313E 33km
5.2mb (10 obs.) 5.0Msz (5 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centraid Location:
Origin Time 12:30:52.8 0.7
Lat 11.33S FIX;Lan 162.34E FIX
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.96 Plg=43 Azm= 56
N -0.15 6 321
P -2.80 46 224
Best Double Couple:Mo=2.9*10**17
NP1:Strike=216 Dip= 6 Slip= -14
NP2: 321 88 -96

15 18 43 45.03 8.337N 126.729E 24km
6.2mb (55 obs.) 7.3Msz (19 obs.)
MINDANAO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 15 Dip=73 Slip= 90
NP2: 195 17 90
Principal Axes:
T Plg=62 Azm=285
P 28 105
Comment: The facal mechanism is paarly cantralled and correspands to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 6 Facal mech. F
Energy 5.8±1.0*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 46C M.W.: 9S, 22C
Centraid Location:
Origin Time 18:44: 7.7 0.2
Lat 7.88N 0.02 Lan 126.96E 0.01
Dep 36.9 0.7 Half-duratian 15.0
Principal Axes:
Scale 10**20 Nm
T Val= 2.36 Plg=71 Azm=330
N 0.03 13 197
P -2.39 13 103
Best Double Couple:Mo=2.4*10**20
NP1:Strike=176 Dip=34 Slip= 66
NP2: 25 59 106
GEOSCOPE MOMENT TENSOR (PAR)
Dep 20.0 Half-duration 19.0
Best Double Couple:Mo=2.3*10**20
NP1:Strike=198 Dip=65 Slip= 102
NP2: 351 27 66

16 10 24 44.63 7.976N 126.873E 31km
5.3mb (15 obs.) 5.0Msz (13 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 5S, 12C
Centraid Location:
Origin Time 10:24:47.1 2.5
Lat 7.54N 0.24 Lan 127.29E 0.15
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.40 Plg=80 Azm=231
N 0.87 7 6
P -2.27 7 97
Best Double Couple:Mo=1.8*10**17
NP1:Strike=194 Dip=39 Slip= 101
NP2: 0 52 81

16 17 49 54.28 8.135N 126.889E 38km
5.4mb (24 obs.) 4.9Msz (16 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centraid Location:
Origin Time 17:50: 2.7 0.9
Lat 8.17N FIX;Lan 126.98E FIX
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.29 Plg=61 Azm=238
N 0.31 15 357
P -2.60 24 94
Best Dauble Cauple:Mo=2.4*10**17
NP1:Strike=214 Dip=25 Slip= 130
NP2: 351 71 74

16 23 25 35.33 40.011N 143.291E 22km
5.7mb (50 obs.) 5.3Msz (10 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centraid Locatian:
Origin Time 23:25:42.2 0.8
Lat 39.96N 0.07 Lan 142.93E 0.08
Dep 15.0 FIX Half-duratian 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.50 Plg=57 Azm=268
N 0.73 9 11
P -4.23 32 106
Best Double Cauple:Mo=3.9*10**17
NP1:Strike=224 Dip=15 Slip= 125
NP2: 9 78 81

17 02 12 21.93 3.808S 127.531E 24km
5.2mb (19 obs.)
CERAM
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 18C
Centraid Locatian:
Origin Time 02:12:29.9 2.0
Lat 3.11S 0.16 Lan 127.83E 0.17
Dep 24.0 FIX Half-duratian 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.62 Plg=66 Azm= 51
N 0.97 13 291
P -7.59 20 197
Best Double Cauple:Mo=7.1*10**16
NP1:Strike=266 Dip=27 Slip= 62
NP2: 117 66 104

17 03 12 18.07 8.486S 92.233E 25km
5.4mb (29 obs.) 5.3Msz (20 obs.)
SOUTH INDIAN OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 29C
Centraid Location:
Origin Time 03:12:19.1 0.3
Lat 8.54S 0.04 Lan 92.09E 0.04
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 7.45 Plg=43 Azm=233
N 0.35 42 19
P -7.80 18 125
Best Double Cauple:Mo=7.6*10**17
NP1:Strike=259 Dip=46 Slip= 158
NP2: 5 74 46

17 05 30 26.72 33.139N 142.274E 41km
5.6mb (63 obs.) 4.5Msz (2 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centraid Location:
Origin Time 05:30:21.9 2.2
Lat 32.51N 0.21 Lan 142.31E 0.15
Dep 36.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 5.62 Plg= 0 Azm=107
N -0.87 16 17
P -4.75 74 197
Best Double Couple:Mo=5.2*10**16
NP1:Strike=213 Dip=47 Slip= -68
NP2: 2 47 -112

17 10 35 57.27 8.297N 126.671E 32km
5.2mb (19 obs.) 4.7Msz (12 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN

L.P.B.: 9S, 22C
Centroid Location:
Origin Time 10:36: 2.9 0.9
Lat 8.35N FIX;Lon 127.01E FIX
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.97 Plg=48 Azm=329
N -0.18 13 225
P -2.79 39 125
Best Double Couple:Mo=2.9*10**17
NP1:Strike=155 Dip=13 Slip= 19
NP2: 46 86 103

17 14 34 25.59 8.547N 126.794E 40km
5.6mb (34 obs.) 5.6Msz (17 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 22C
Centroid Location:
Origin Time 14:34:26.0 0.2
Lat 8.11N 0.04 Lon 127.07E 0.05
Dep 15.0 BDY Half-duration 3.6
Principal Axes:
Scale 10**17 Nm
T Val= 9.54 Plg=59 Azm=212
N -0.84 29 8
P -8.69 11 104
Best Double Couple:Mo=9.1*10**17
NP1:Strike=225 Dip=43 Slip= 136
NP2: 350 62 56

18 07 13 01.03 0.939N 28.976W 10km
5.7mb (58 obs.) 5.3Msz (6 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 07:13:13.5 0.3
Lat 1.18N 0.03 Lon 28.00W 0.03
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 6.17 Plg= 0 Azm=219
N -0.52 90 180
P -5.66 0 129
Best Double Couple:Mo=5.9*10**17
NP1:Strike=264 Dip=90 Slip=-180
NP2: 354 90 0

18 17 09 35.34 15.369S 167.419E 142km
5.3mb (16 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 17:09:38.7 2.8
Lat 15.15S 0.18 Lon 167.38E 0.25
Dep 138.4 5.5 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.63 Plg=72 Azm=165
N 0.55 15 19
P -5.18 10 286
Best Double Couple:Mo=4.9*10**16
NP1:Strike=358 Dip=38 Slip= 64
NP2: 209 57 109

19 07 03 18.06 7.945N 126.847E 40km
5.5mb (18 obs) 4.8Msz (10 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 14C
Centroid Location:
Origin Time 07:03:17.7 0.4
Lat 7.68N 0.09 Lon 127.61E 0.07
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.96 Plg=61 Azm=177
N 0.06 29 3
P -2.01 3 271
Best Double Couple:Mo=2.0*10**17
NP1:Strike=334 Dip=50 Slip= 50
NP2: 207 54 127

19 07 27 55.12 7.985N 126.920E 32km
5.1mb (22 obs.) 4.7Msz (5 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 13C
Centroid Location:
Origin Time 07:28: 0.1 1.4
Lat 7.83N 0.15 Lon 127.38E 0.11
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.74 Plg=53 Azm=189
N -0.11 36 355
P -1.64 6 90
Best Double Couple:Mo=1.7*10**17
NP1:Strike=214 Dip=50 Slip= 141
NP2: 331 61 47

20 00 08 20.61 8.094N 126.828E 21km
6.0mb (49 obs.) 6.3Msz (27 obs.)
MINDANAO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 11 Dip=70 Slip= 90
NP2: 191 20 90
Principal Axes:
T Plg=65 Azm=281
P 25 101
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sto: 5 Focal mech. M
Energy 9.6±3.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 17 No. of sto: 10
Principal Axes:
Scale 10**18 Nm
T Val= 6.36 Plg=61 Azm=239
N 0.01 12 351
P -6.37 26 88
Best Double Couple:Mo=6.4*10**18
NP1:Strike=204 Dip=21 Slip= 124
NP2: 348 72 77
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 27C M.W.: 8S, 12C
Centroid Location:
Origin Time 00:08:27.2 0.2
Lat 8.08N 0.02 Lon 127.11E 0.02
Dep 24.8 1.2 Half-duration 5.0
Principal Axes:
Scale 10**18 Nm
T Val= 6.61 Plg=70 Azm=284
N 0.33 4 183
P -6.94 20 91
Best Double Couple:Mo=6.8*10**18
NP1:Strike=174 Dip=26 Slip= 81
NP2: 5 65 94

20 04 23 45.22 35.067S 179.642W 29km
5.5mb (9 obs.) 5.6Msz (9 obs.)
EAST OF NORTH ISLAND, N.Z.
MOMENT TENSOR SOLUTION
Dep 12 No. of sto: 3
Principal Axes:
Scale 10**17 Nm
T Val= 7.32 Plg=47 Azm=247
N 0.06 38 37
P -7.38 16 139
Best Double Couple:Mo=7.3*10**17
NP1:Strike=270 Dip=44 Slip= 152
NP2: 21 71 49
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 28C
Centroid Location:
Origin Time 04:23:56.0 0.8
Lat 34.71S 0.08 Lon 179.68W 0.07
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 7.41 Plg=57 Azm=267
N 0.00 8 10
P -7.42 31 105
Best Double Couple:Mo=7.4*10**17
NP1:Strike=222 Dip=16 Slip= 122
NP2: 8 77 81

20 08 35 20.38 8.192N 126.852E 39km
5.8mb (33 obs.) 5.3Msz (15 obs.)
MINDANAO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 7 Dip=85 Slip= 34
NP2: 274 56 174
Principal Axes:
T Plg=27 Azm=236
P 19 135
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 27 No. of sto: 5
Principal Axes:
Scale 10**17 Nm
T Val= 5.26 Plg=43 Azm=226
N 0.04 39 4
P -5.30 23 113
Best Double Couple:Mo=5.3*10**17
NP1:Strike=250 Dip=41 Slip= 162
NP2: 354 78 50
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 23C
Centroid Location:
Origin Time 08:35:21.2 0.3
Lat 7.64N 0.05 Lon 127.09E 0.05
Dep 15.0 FIX Half-duration 2.7
Principal Axes:
Scale 10**17 Nm
T Val= 5.33 Plg=55 Azm=191
N 0.21 35 359
P -5.54 6 93
Best Double Couple:Mo=5.4*10**17
NP1:Strike=215 Dip=50 Slip= 138
NP2: 335 59 49

20 11 44 48.81 34.828S 179.526W 32km
5.2mb (7 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 11:44:58.1 1.2
Lat 34.74S 0.12 Lon 179.73W 0.12
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.61 Plg=61 Azm=272
N 0.11 9 18
P -1.71 27 112
Best Double Couple:Mo=1.7*10**17
NP1:Strike=224 Dip=19 Slip= 117
NP2: 15 73 81

21 16 49 13.15 45.364N 150.108E 43km
5.9mb (73 obs.) 5.8Msz (21 obs.)
KURIL ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 10 Dip=65 Slip= 90
NP2: 190 25 90
Principal Axes:
T Plg=70 Azm=280
P 20 100
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. F
Energy 9.6±2.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 32 No. of sto: 17
Principal Axes:
Scale 10**17 Nm
T Val= 7.88 Plg=56 Azm=224
N -0.13 21 348
P -7.75 26 89
Best Double Couple:Mo=7.8*10**17
NP1:Strike=217 Dip=27 Slip= 143
NP2: 342 74 68
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 31C
Centroid Location:
Origin Time 16:49:17.1 0.2
Lat 45.29N 0.03 Lon 150.45E 0.04
Dep 38.5 2.3 Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 1.34 Plg=68 Azm=250
N -0.01 17 30

P -1.32 13 124
Best Double Couple:Mo=1.3*10**18
NP1:Strike=236 Dip=35 Slip= 120
NP2: 20 60 70

22 21 09 38.06 6.990S 124.807E 552km
5.2mb (20 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 21:09:39.3 0.9
Lat 7.03S FIX;Lon 124.84E FIX
Dep 549.3 6.8 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 8.83 Plg= 1 Azm=122
N 1.48 47 213
P -10.30 43 31
Best Double Couple:Mo=9.6*10**16
NP1:Strike=176 Dip=60 Slip=-147
NP2: 68 62 -34

23 11 24 02.68 17.401N 145.788E 162km
5.9mb (48 obs.)
MARIANA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=157 Dip=88 Slip= -50
NP2: 249 40 -177
Principal Axes:
T Plg=31 Azm=215
P 34 100
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting with a large strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 2.2±1.0*10**14 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 33C M.W.: 10S, 25C
Centroid Location:
Origin Time 11:24: 7.8 0.2
Lat 17.26N 0.02 Lon 145.73E 0.02
Dep 185.7 1.2 Half-duration 5.6
Principal Axes:
Scale 10**18 Nm
T Val= 3.53 Plg=21 Azm=209
N -0.04 51 328
P -3.48 31 106
Best Double Couple:Mo=3.5*10**18
NP1:Strike=250 Dip=52 Slip=-172
NP2: 156 84 -39

23 23 39 10.95 52.522S 140.309E 10km
4.7mb (4 obs.)
WEST OF MACQUARIE ISLAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 23:39:15.7 1.4
Lat 53.50S 0.20 Lon 138.75E 0.22
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.31 Plg= 0 Azm=224
N -0.31 90 180
P -1.00 0 134
Best Double Couple:Mo=1.1*10**17
NP1:Strike=269 Dip=90 Slip=-180
NP2: 359 90 0

25 14 24 32.69 60.080N 73.445W 5km
6.2mb (58 obs.) 6.3Msz (28 obs.)
NORTHERN QUEBEC
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=230 Dip=85 Slip= 90
NP2: 50 5 90
Principal Axes:
T Plg=50 Azm=140
P 40 320
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 12 Focal mech. C
Energy 1.6±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 4 No. of sta: 12
Principal Axes:
Scale 10**18 Nm
T Val= 1.11 Plg=48 Azm=129
N -0.01 9 230
P -1.10 41 328
Best Double Couple:Mo=1.1*10**18
NP1:Strike=118 Dip=10 Slip= 158
NP2: 229 86 81
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 40C
Centroid Location:
Origin Time 14:24:40.4 0.8
Lat 60.58N 0.06 Lon 73.43W 0.09
Dep 15.0 BDY Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 1.05 Plg=88 Azm=183
N 0.13 1 62
P -1.18 2 332
Best Double Couple:Mo=1.1*10**18
NP1:Strike= 61 Dip=43 Slip= 89
NP2: 243 47 91

25 19 50 18.96 1.679N 127.200E 102km
5.6mb (33 obs.)
HALMAHERA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=200 Dip=85 Slip= 150
NP2: 293 60 6
Principal Axes:
T Plg=24 Azm=152
P 17 250
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. C
Energy 5.1±1.7*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 19:50:22.3 0.5
Lat 1.96N 0.06 Lon 127.52E 0.09
Dep 115.6 2.5 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 3.55 Plg=22 Azm=157
N -0.86 49 40
P -2.69 33 261
Best Double Couple:Mo=3.1*10**17
NP1:Strike=295 Dip=50 Slip= -10
NP2: 31 83 -139

26 01 30 13.85 41.714S 83.954W 10km
5.9mb (21 obs.) 5.8Msz (9 obs.)
WEST CHILE RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centroid Location:
Origin Time 01:30:17.4 0.3
Lat 41.28S 0.08 Lon 84.56W 0.08
Dep 15.0 FIX Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 8.80 Plg=16 Azm= 60
N -2.42 10 328
P -6.38 71 208
Best Double Couple:Mo=7.6*10**17
NP1:Strike=165 Dip=30 Slip= -71
NP2: 322 62 -101

27 20 01 05.24 4.436S 102.965E 65km
5.4mb (37 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 20:01:16.9 0.6
Lat 4.43S FIX;Lon 102.93E FIX
Dep 32.7 4.8 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 12.65 Plg=59 Azm=329
N 2.48 26 113
P -15.13 15 211
Best Double Couple:Mo=1.4*10**17
NP1:Strike=333 Dip=37 Slip= 136
NP2: 100 65 61

29 17 00 58.87 15.765N 147.227E 36km
5.0mb (16 obs.) 4.3Msz (6 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 19C
Centroid Location:
Origin Time 17:00:59.1 1.5
Lat 15.46N 0.22 Lon 147.64E 0.18
Dep 33.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 4.53 Plg=24 Azm=289
N -0.93 18 190
P -3.60 59 66
Best Double Couple:Mo=4.1*10**16
NP1:Strike= 51 Dip=27 Slip= -46
NP2: 184 71 -109

30 04 42 51.16 16.177S 167.967E 184km
5.5mb (24 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 39C
Centroid Location:
Origin Time 04:42:58.6 0.4
Lat 15.95S 0.04 Lon 167.53E 0.04
Dep 179.8 1.2 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.08 Plg=37 Azm=175
N -1.74 37 299
P -4.35 32 57
Best Double Couple:Mo=5.2*10**17
NP1:Strike=203 Dip=37 Slip= 176
NP2: 297 87 53

30 12 38 11.24 26.209S 70.507W 32km
5.3mb (17 obs.) 5.0Msz (5 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 30C
Centroid Location:
Origin Time 12:38:17.3 0.3
Lat 26.57S 0.08 Lon 71.42W 0.03
Dep 39.1 3.4 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.83 Plg=67 Azm= 4
N 0.52 23 179
P -2.35 2 270
Best Double Couple:Mo=2.1*10**17
NP1:Strike= 21 Dip=48 Slip= 121
NP2: 159 51 60

30 20 16 01.99 0.993N 30.180W 10km
4.9mb (25 obs.) 5.3Msz (3 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 25C
Centroid Location:
Origin Time 20:16: 9.2 0.7
Lat 0.85N 0.06 Lon 29.65W 0.07
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.48 Plg= 0 Azm=169
N 0.74 90 180
P -7.22 0 79
Best Double Couple:Mo=6.8*10**16
NP1:Strike=214 Dip=90 Slip=-180
NP2: 304 90 0

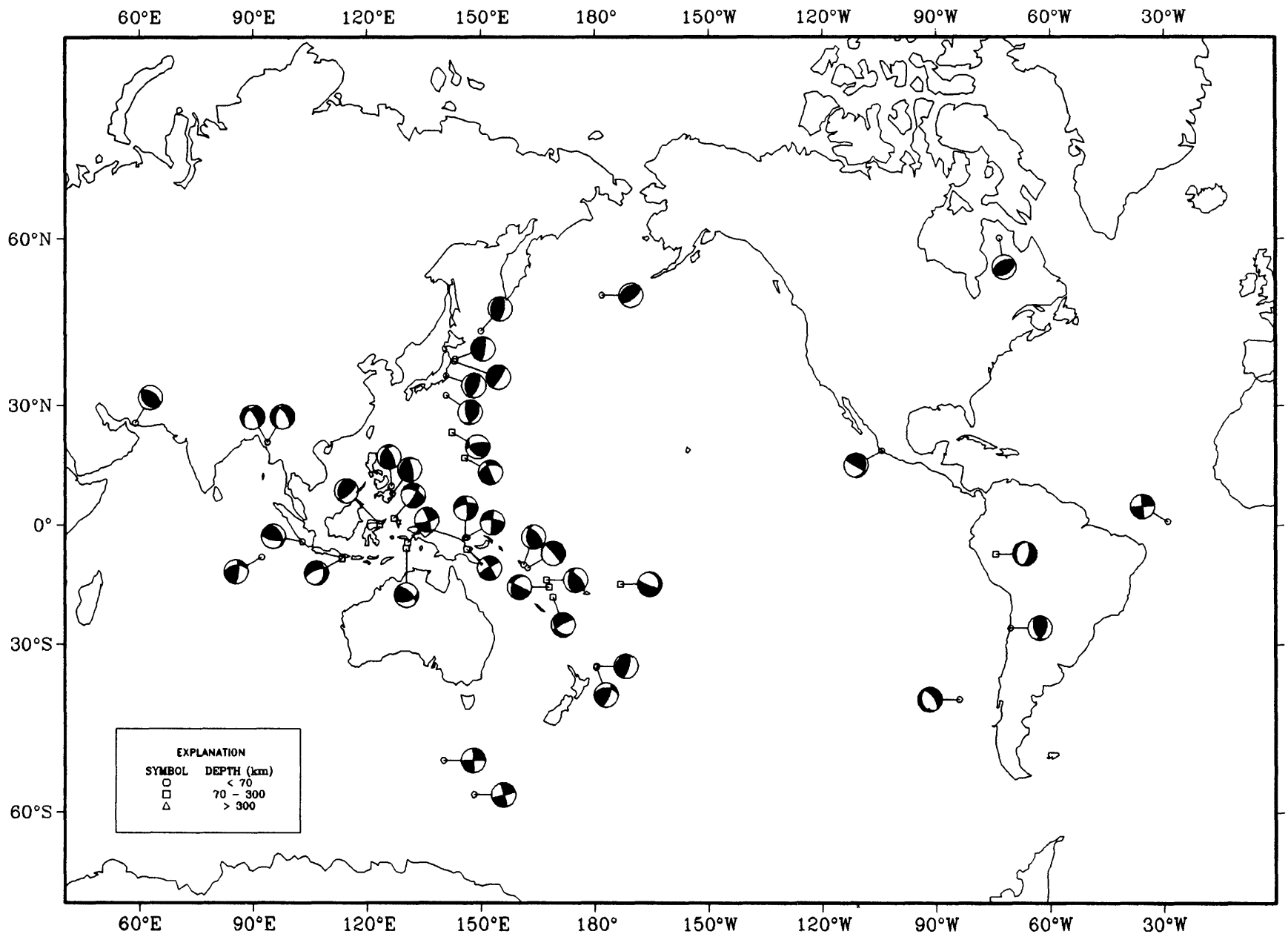
30 23 18 51.64 3.406S 145.966E 38km
5.6mb (24 obs.) 6.6Msz (24 obs.)
NEAR N COAST OF PAPUA NEW GUINEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 35C M.W.: 16S, 42C
Centroid Location:
Origin Time 23:18:54.5 0.2
Lat 3.26S 0.01 Lon 146.38E 0.02
Dep 15.0 FIX Half-duration 6.7
Principal Axes:

```
     Scale 10**18 Nm
     T  Val=  9.13  Plg=10  Azm=125
     N        3.33      59       18
     P      -12.46      29      221
   Best Double Cauple:Ma=1.1*10**19
    NP1:Strike=259 Dip=62 Slip= -14
    NP2:       356     77     -152

31 15 55 24.80   3.313S 146.380E  20km
   5.1mb ( 11 obs.)  4.9Msz ( 11 obs.)
   BISMARCK SEA
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 12S, 24C
   Centraid Location:
   Origin Time       15:55:28.1 0.5
   Lat  3.29S 0.06 Lan 146.52E 0.07
   Dep  15.0 FIX Half-duration  1.9
   Principal Axes:
     Scale 10**17 Nm
     T  Val=  1.30  Plg=17  Azm=138
     N       -0.03      69      357
     P       -1.26      13      232
   Best Double Cauple:Ma=1.3*10**17
    NP1:Strike=275 Dip=69 Slip=   3
    NP2:       184     87      159

31 18 31 20.83   7.628N  37.086W  10km
   5.1mb ( 33 obs.)  4.6Msz (  2 obs.)
   CENTRAL MID-ATLANTIC RIDGE
   CENTROID, MOMENT TENSOR    (HRV)
   Data Used: GDSN
   L.P.B.: 13S, 21C
   Centraid Location:
   Origin Time       18:31:32.8 0.7
   Lat  7.88N 0.05 Lon  36.49W 0.08
   Dep  15.0 FIX Half-duration  1.5
   Principal Axes:
     Scale 10**16 Nm
     T  Val=  5.75  Plg= 0  Azm=220
     N        0.33      90      180
     P       -6.08       0      130
   Best Double Cauple:Ma=5.9*10**16
    NP1:Strike=265 Dip=90 Slip=-180
    NP2:       355     90        0
```

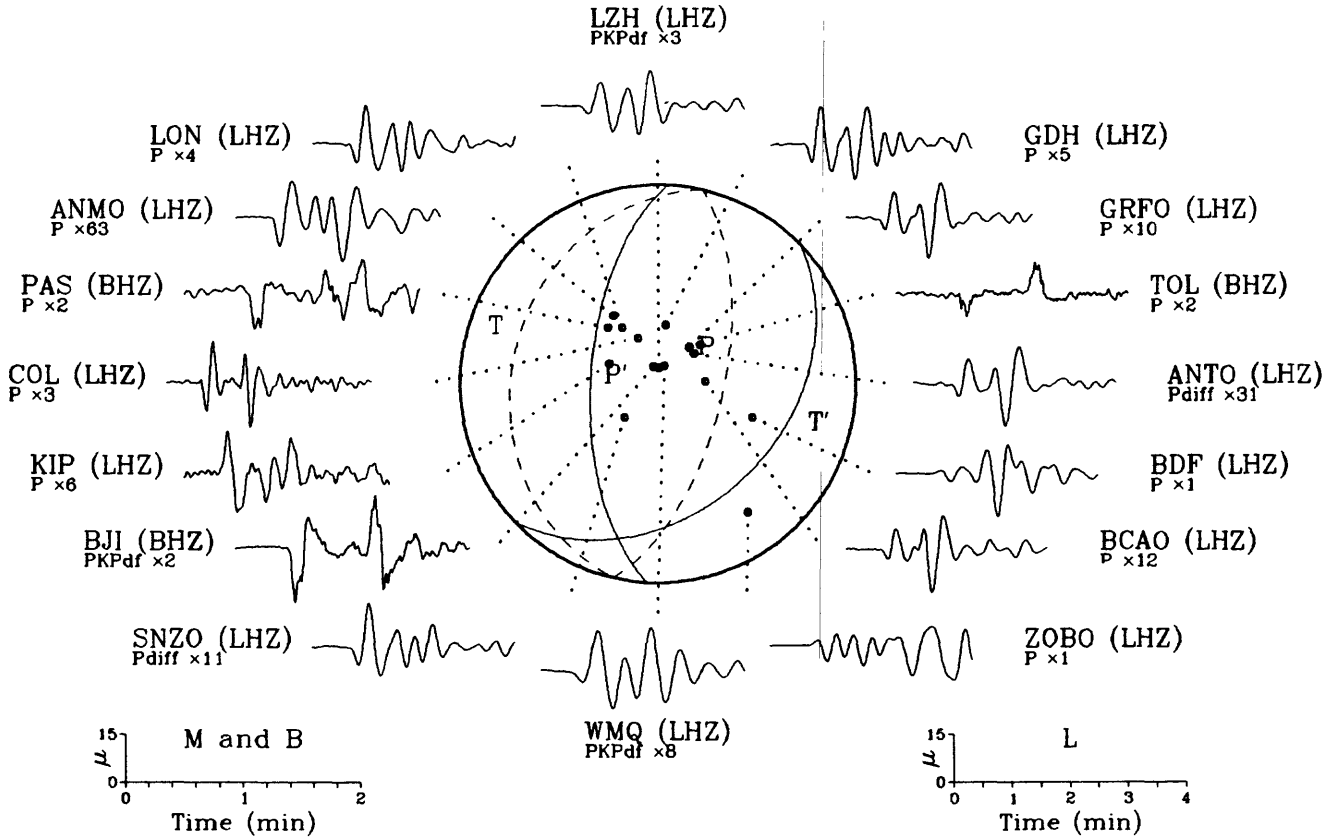
Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Persan, Bruce W. Presgrave and William H. Schmieder.

The macraseismic infarmatian far the Newcastle, Australia earthquake af December 27 was extracted fram the January 1990 editian af the University of Queensland Gealagy Museum News Letter, which summarized results of a Queensland government task force an the earthquake.

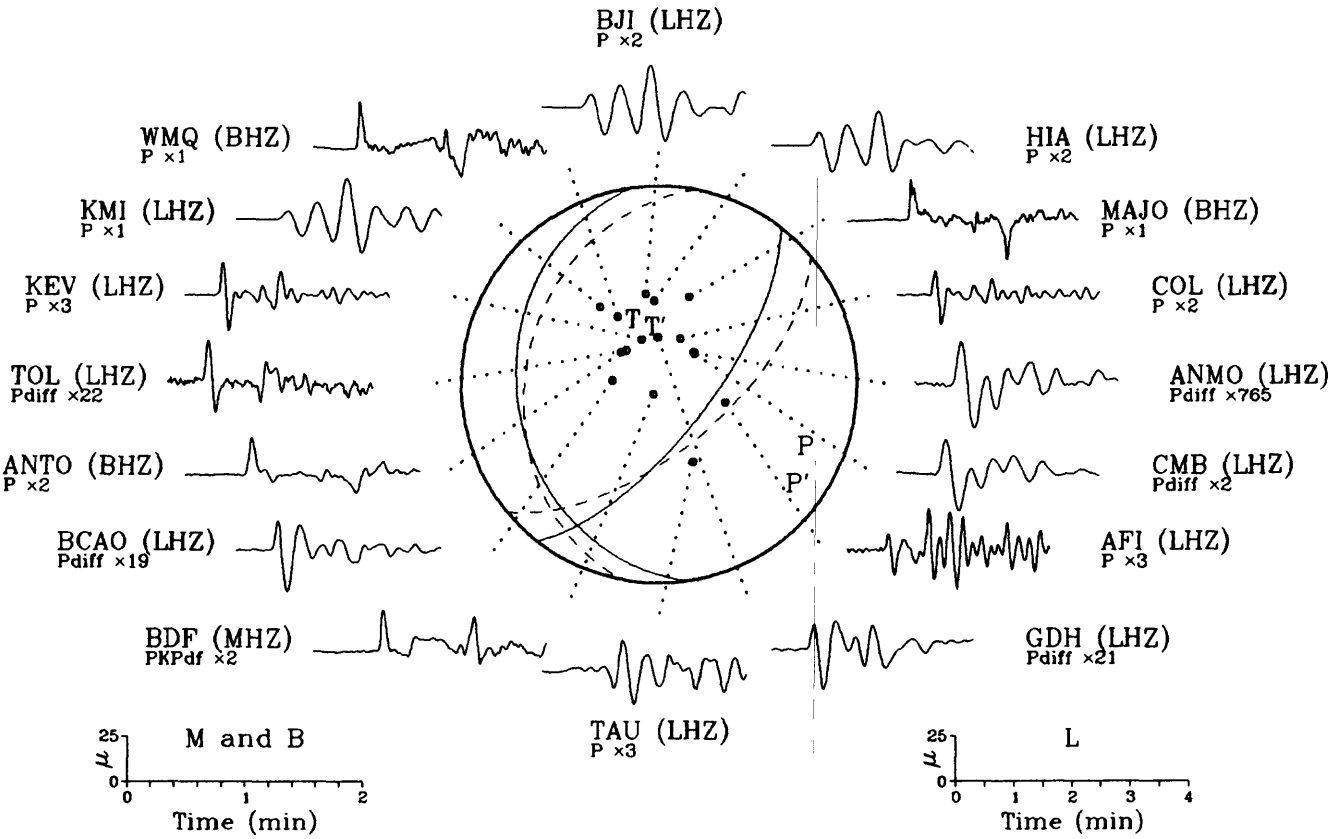
Earthquake Focal Mechanisms for December 1989



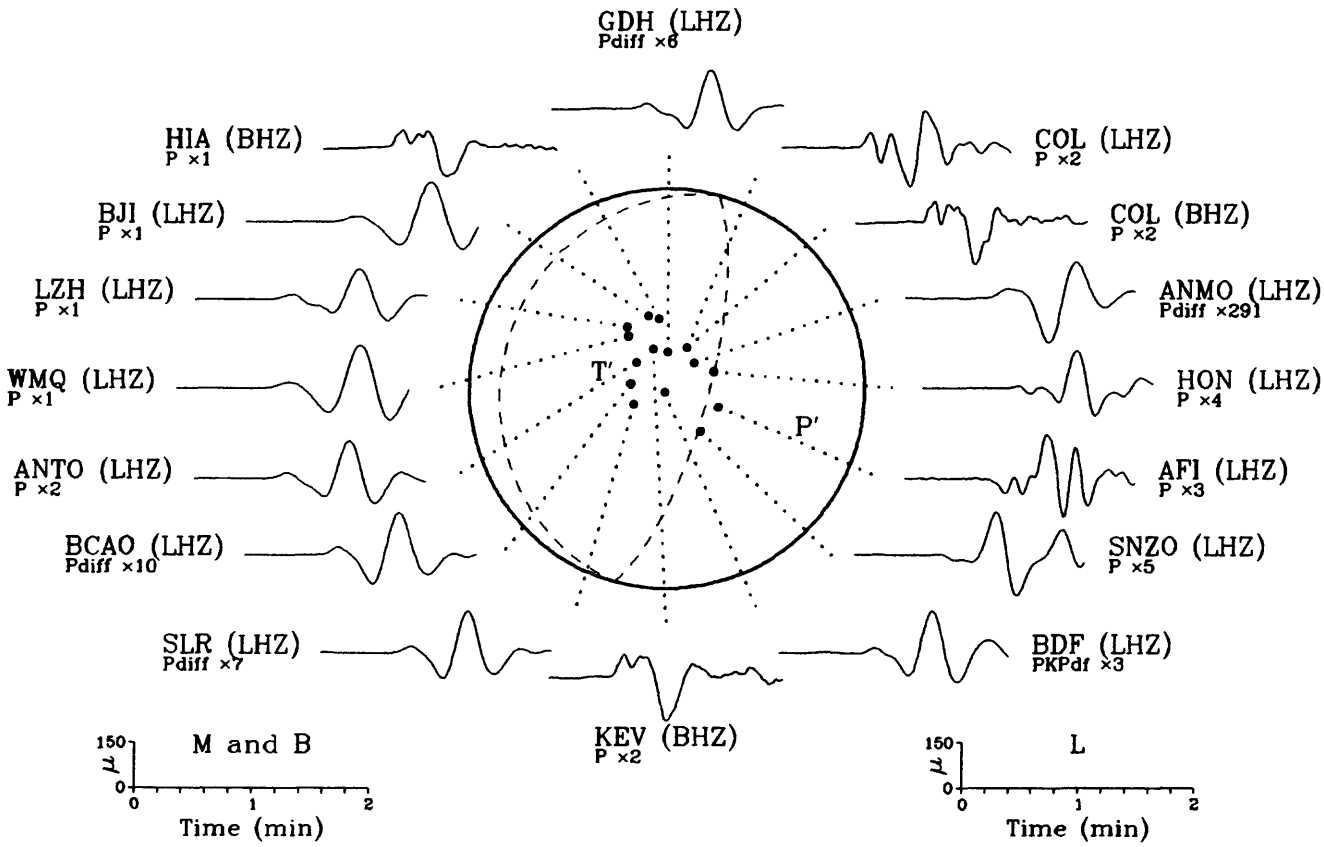
03 December 1989 14:16:48.79
Peru–Brazil Border Region



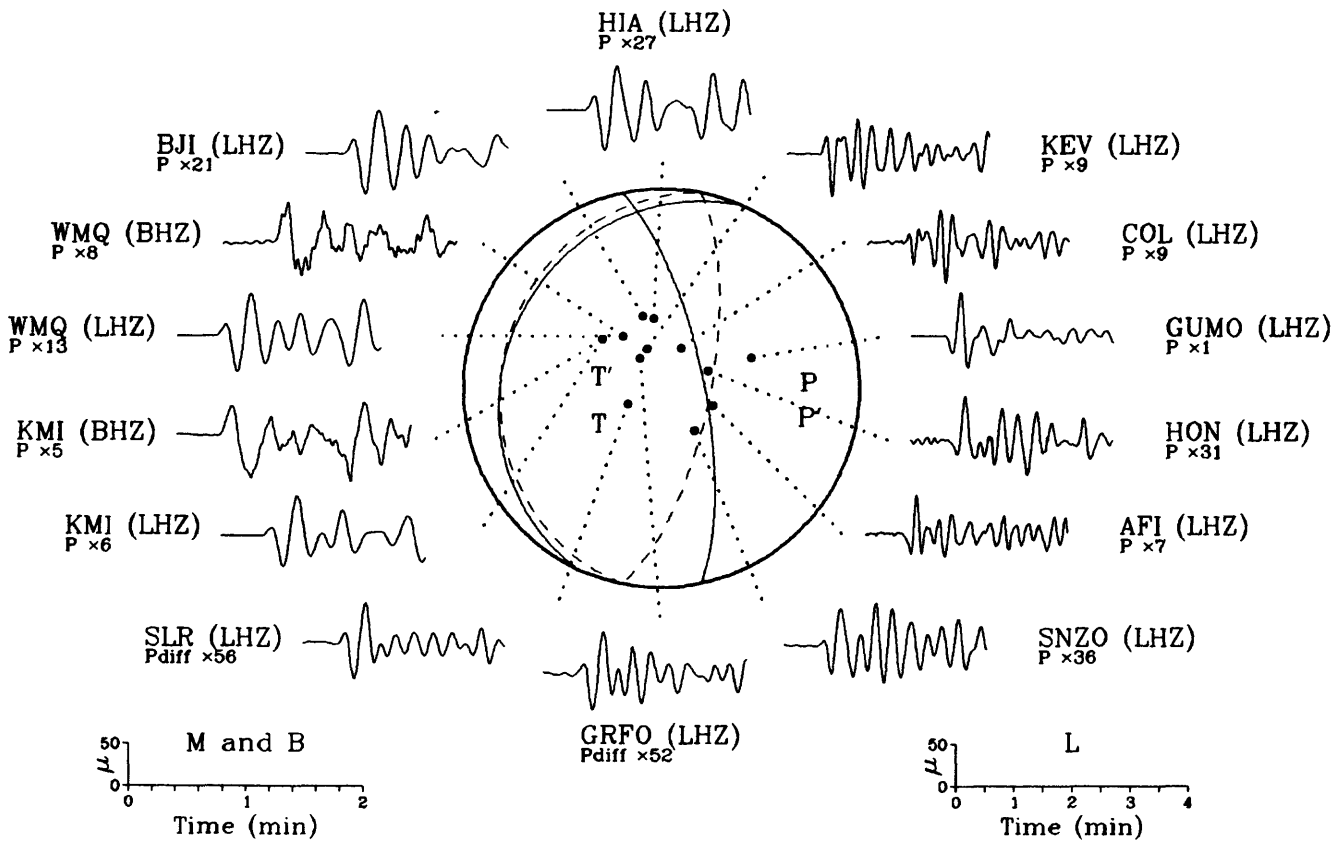
09 December 1989 20:38:08.59
Minahassa Peninsula

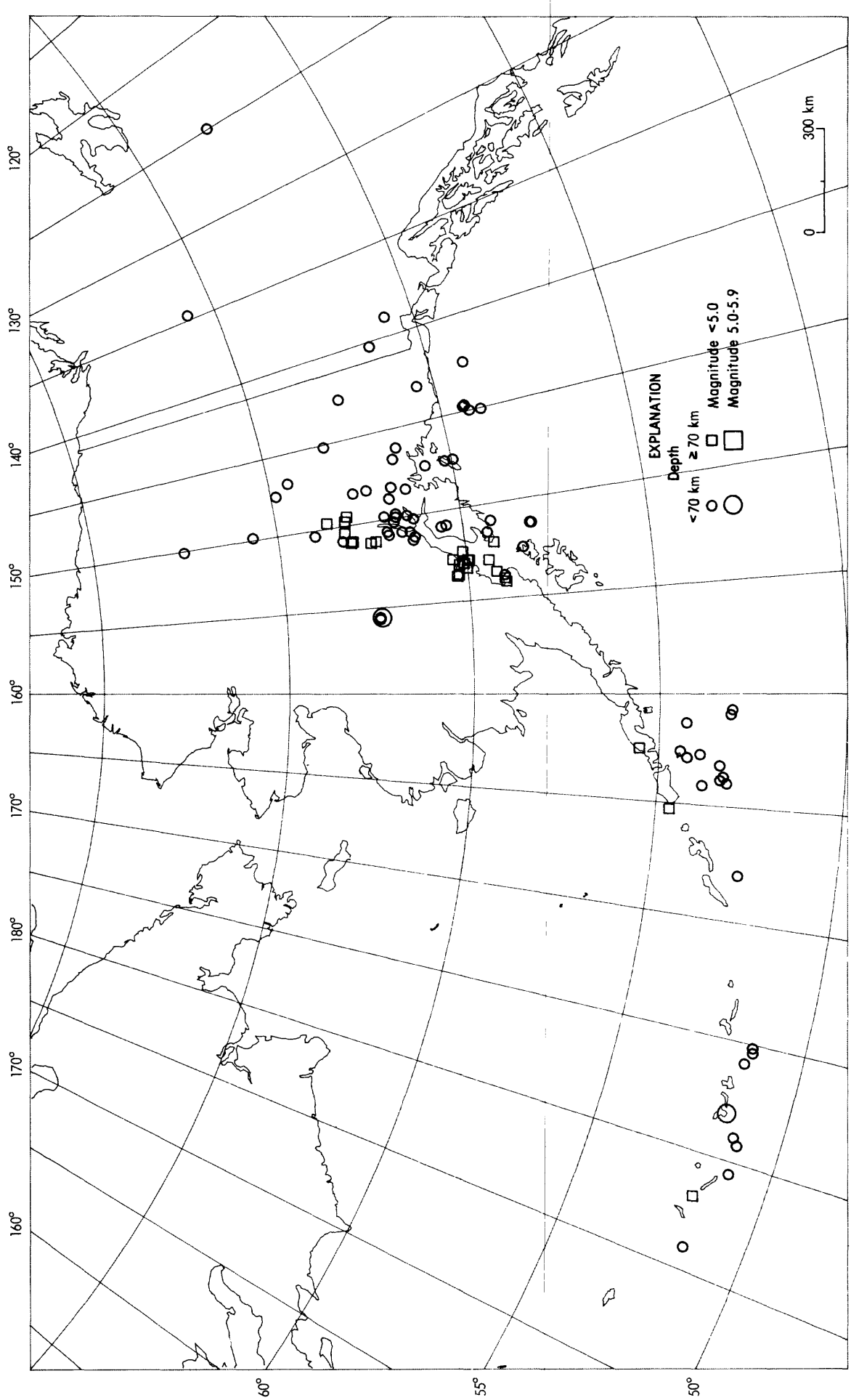


15 December 1989 18:43:45.03
Mindanao, Philippine Islands

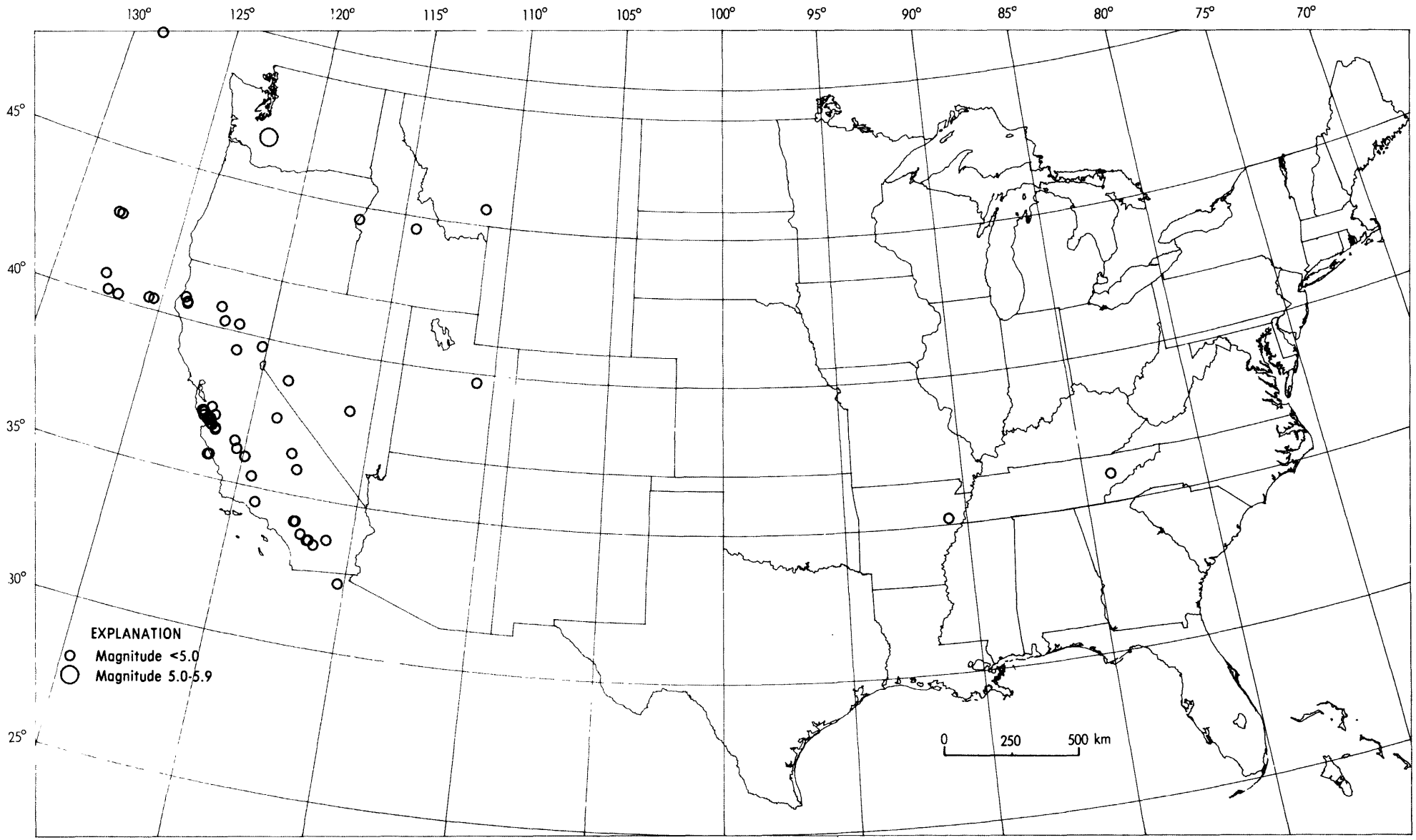


20 December 1989 00:08:20.61
Mindanao, Philippine Islands

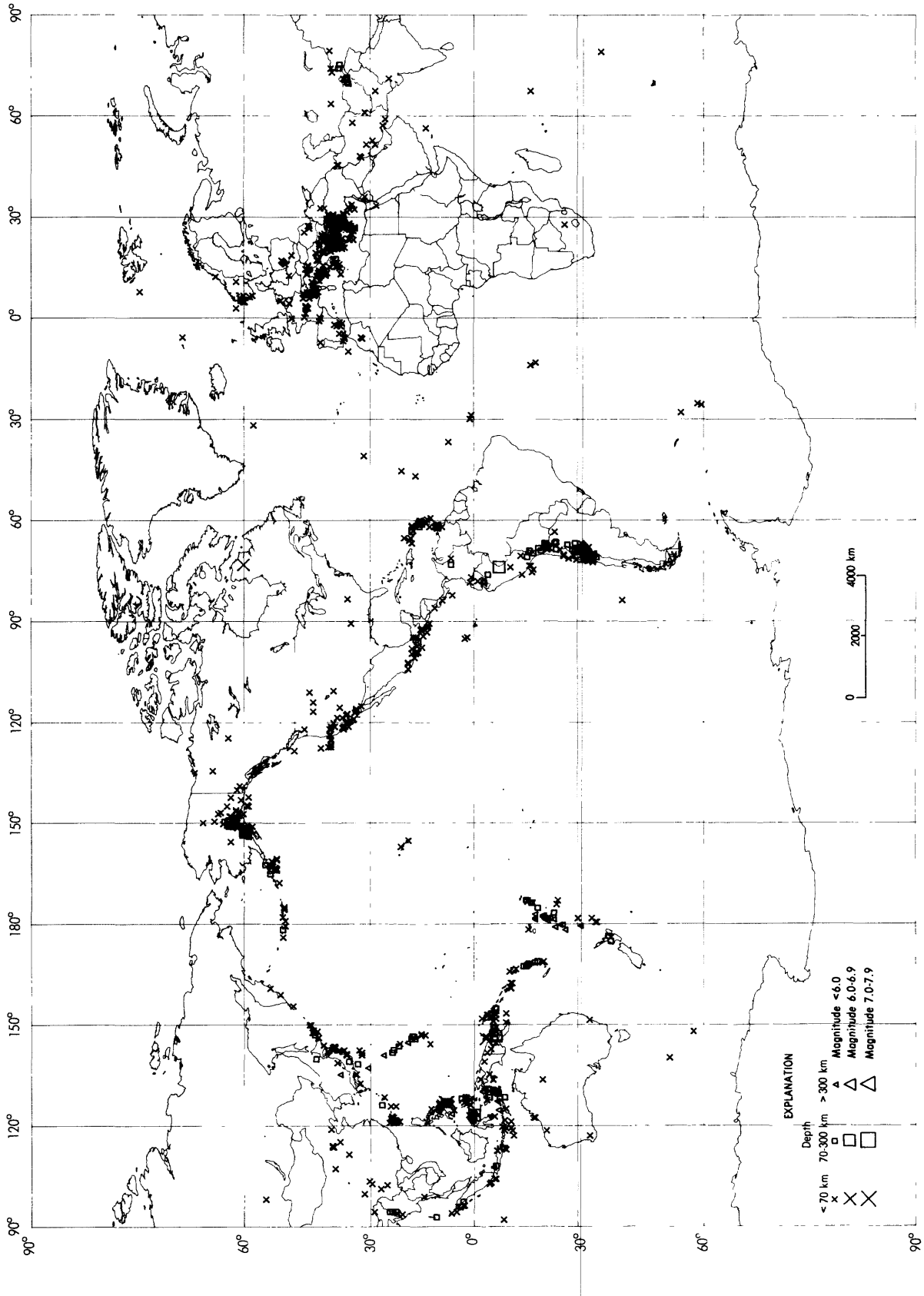




Earthquake epicenters in Alaska and adjacent regions for December, 1989 (C. Stover).



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



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