

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PRELIMINARY DETERMINATION OF EPICENTERS
MONTHLY LISTING

JULY - SEPTEMBER 1993

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

93-600-C



This report is preliminary and has not been reviewed for
conformity with U.S. Geological Survey editorial standards.

1993



PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

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

JULY 1993

K E Y	DAY	ORIGIN TIME			GEOGRAPHIC		DEPTH	MAGNITUDES			NO. STA USED	REGION, CONTRIBUTED	MAGNITUDES	AND	COMMENTS
		HR	MIN	SEC	LAT	LONG		GS MB	Ms	sz					
	01	00	12	09.5	37.285 N	20.867 E	33 N	4.3		1.5	109	IONIAN SEA. ML 4.5 (ATH). 4.5 (TIR).			
	01	00	15	02.5	10.765 N	61.312 W	33 N			0.4	10	TRINIDAD. MD 3.2 (TRN).			
	01	01	26	30.8	39.767 N	24.183 E	10 G			1.3	10	AEGEAN SEA ML 3.3 (ATH).			
	01	01	30	04.8?	44.01 N	8.92 E	10 G			0.1	4	NORTHERN ITALY. ML 1.9 (GEN).			
	01	03	49	32.2	28.036 S	26.793 E	5 G			0.3	5	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).			
	01	03	58	06.9*	45.046 S	80.621 W	33 N	4.9		1.1	17	OFF COAST OF SOUTHERN CHILE			
	01	04	13	42.9*	40.454 N	23.688 E	10 G			0.3	7	GREECE			
	01	06	20	06.1*	38.874 N	26.955 E	10 G			1.1	8	AEGEAN SEA. ML 3.5 (ISK).			
	01	06	23	13.0	51.475 N	178.405 W	33 N	5.0 4.4		1.2	150	ANDREANOF ISLANDS, ALEUTIAN IS ML 4.9 (PMR). Felt (III) on Adak.			
	01	07	31	00.3?	41.60 N	27.42 E	10 G			0.4	5	TURKEY. ML 3.0 (ISK).			
	01	07	57	11.5	39.736 N	20.516 E	10 G			1.2	8	GREECE-ALBANIA BORDER REGION. MD 3.5 (ATH).			
	01	08	15	04.9*	40.440 N	21.622 E	10 G			1.4	6	GREECE			
	01	08	21	31.7*	36.882 N	121.622 W	8				35	CENTRAL CALIFORNIA. <GM-P> MD 3.0 (GM) ML 2.7 (GS). Felt at Salinas.			
	01	09	43	38.4?	38.07 N	26.11 E	10 G			1.5	7	AEGEAN SEA. ML 3.3 (ISK).			
	01	09	52	25.6	36.154 N	141.629 E	29 D	5.0 4.6		1.1	82	NEAR EAST COAST OF HONSHU, JAPAN			
	01	10	49	45.6*	54.024 N	82.237 W	18 G				17	ONTARIO, CANADA <OTT-P>. mbLg 3.7 (OTT)			
	01	10	58	31.0?	38.59 N	27.81 E	10 G			1.1	5	TURKEY. ML 2.9 (ISK).			
	01	11	11	17.4*	19.014 S	69.825 W	140 ?			1.5	8	NORTHERN CHILE			
	01	11	53	22.4	41.186 N	20.352 E	10 G			1.0	13	ALBANIA. ML 2.3 (TIR).			
	01	11	56	08.3	10.909 N	65.515 W	10 G			1.4	12	NEAR COAST OF VENEZUELA. MD 4.1 (TRN).			
	01	12	07	32.4	11.962 N	61.903 W	109 *			0.4	14	WINDWARD ISLANDS. MD 3.8 (TRN).			
	01	12	48	00.4	47.477 N	116.108 W	1 G			0.4	33	WESTERN IDAHO. MD 3.2 (BUT), 2.8 (SEA). Felt at Silverton.			
	01	14	00	28.9*	26.831 S	26.682 E	5 G			0.6	7	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).			
	01	15	06	13.9*	45.918 N	27.126 E	33 N			0.7	6	ROMANIA			
	01	15	08	37.3*	41.007 N	29.999 E	10 G			0.8	5	TURKEY. ML 2.7 (ISK).			
	01	15	13	28.0?	39.95 N	30.40 E	10 G			0.3	5	TURKEY. ML 2.7 (ISK).			
	01	15	47	51.3?	39.84 N	27.35 E	10 G			0.3	4	TURKEY. ML 2.7 (ISK).			
	01	16	05	14.5*	38.202 S	175.962 E	224 *			0.4	30	NORTH ISLAND, NEW ZEALAND			
	01	17	51	50.0	40.179 N	24.009 E	10 G			0.7	11	AEGEAN SEA			
	01	18	27	56.3?	31.33 S	69.50 W	138 ?			0.7	8	SAN JUAN PROVINCE, ARGENTINA			
	01	18	30	43.3*	0.136 N	123.426 E	196 *	4.5		1.3	13	MINAHASSA PENINSULA, SULAWESI			
	01	18	38	54.0?	38.39 S	175.26 E	33 N			0.9	6	NORTH ISLAND, NEW ZEALAND. ML 3.8 (WEL).			
	01	18	42	00.1*	37.675 N	14.656 E	10 G			0.6	5	SICILY			
	01	20	32	28.2	41.048 N	26.076 E	10 G			0.7	11	GREECE-BULGARIA BORDER REGION. ML 3.2 (ISK).			
	01	20	40	23.2	16.148 N	61.781 W	177	4.0		1.0	28	LEEWARD ISLANDS. MD 4.0 (TRN).			
	01	20	51	27.0*	37.692 N	14.741 E	10 G			0.4	6	SICILY			
	01	21	09	19.3*	58.830 N	152.623 W	71				54	KODIAK ISLAND REGION. <AEIC>.			
	01	21	23	23.4*	37.703 N	14.701 E	10 G			1.1	6	SICILY			
	01	21	54	49.1?	10.50 S	77.11 W	33 N	4.1		1.5	7	NEAR COAST OF PERU. Felt at Huaral.			
	01	21	55	22.4	4.491 S	153.340 E	75 *	5.2		1.0	107	NEW IRELAND REGION, P.N.G.			
	01	22	13	32.7*	9.876 N	68.435 W	10 G			1.1	7	VENEZUELA			
	01	22	44	17.2	30.362 S	67.526 W	33 N			0.8	12	SAN JUAN PROVINCE, ARGENTINA			
	01	22	49	31.9*	28.521 S	176.570 W	79 ?	4.8		1.4	30	KERMADEC ISLANDS REGION			
	01	22	57	06.7*	31.562 S	68.564 W	113 *			0.7	8	SAN JUAN PROVINCE, ARGENTINA			
	01	23	25	36.8*	63.015 N	149.779 W	87				58	CENTRAL ALASKA. <AEIC>.			
	02	00	08	20.2*	40.165 N	23.904 E	5 G			0.6	9	GREECE			
	02	00	14	08.6	8.083 S	117.901 E	32 D	5.0 4.3		1.1	52	SUMBAWA REGION, INDONESIA			
	02	01	23	51.0*	37.149 N	30.344 E	144 ?			0.6	10	TURKEY			
	02	01	46	41.9?	18.50 S	71.18 W	68 ?	4.2		0.9	7	OFF COAST OF NORTHERN CHILE			
	02	02	06	59.2	41.000 N	20.435 E	10 G			1.2	9	ALBANIA. ML 2.5 (TIR).			
	02	02	46	51.7*	61.213 N	4.243 E	10 G			0.9	5	SOUTHERN NORWAY. MD 1.7 (BER).			
	02	03	33	27.0*	31.140 S	69.073 W	114 *			0.3	9	SAN JUAN PROVINCE, ARGENTINA			
	02	03	48	50.7*	50.472 N	18.821 E	10 G			1.0	7	POLAND. ML 3.2 (WAR).			
a	02	04	11	04.5	71.511 N	11.422 W	10 G	5.3 5.3		1.0	319	JAN MAYEN ISLAND REGION. Mw 5.7 (HRV). Ms 5.2 (BRK). MD 5.0 (BER).			

02	04	26	00.2&	37	629	N	118	974	W	8	30	CALIFORNIA-NEVADA BORDER REGION	<GM-P>	MD 3.0 (GM)					
02	05	07	34	8?	31	64	S	68.66	W	100	G	0.4	8	Small precursor about 4 seconds prior to this event.					
02	05	39	09	3*	35	154	N	27	216	E	33	N	1.5	9	SAN JUAN PROVINCE, ARGENTINA				
02	06	04	33	3	39	709	N	26	149	E	10	G	0.7	15	DODECANESE ISLANDS, MD 4.0 (ATH)				
02	07	19	32	3&	59	758	N	153	575	W	131			42	TURKEY, ML 3.4 (ISK), MD 3.1 (ATH).				
02	07	24	09	8?	40	46	N	28	08	E	5	G	0.3	4	SOUTHERN ALASKA, <AEIC>				
02	07	24	23	8	35	643	N	140	775	E	64	4	5	1	4	TURKEY, ML 2.7 (ISK).			
02	07	47	13	1	2	454	S	140	861	E	24	D	4	7	20	NEAR EAST COAST OF HONSHU, JAPAN			
02	08	16	27	9%	40	912	N	28	423	E	10	G	0.4	5	20	NEAR NORTH COAST OF IRIAN JAYA			
02	08	28	26	5%	40	376	N	23	350	E	10	G	0.7	6	5	TURKEY, ML 2.7 (ISK).			
02	08	55	14	1?	40	41	N	23	01	E	10	G	0.2	5		GREECE			
02	09	12	49	6&	69	164	N	145	304	W	10	G		21		GREECE			
02	09	39	17	6	49	067	N	6	956	E	10	G	1.2	10		NORTHERN ALASKA, <AEIC>, ML 3.6 (AEIC), 3.7 (PMR)			
02	10	11	17	8*	11	836	S	165	304	E	33	N	4	7	4	5	1.1	16	GERMANY, ML 2.5 (STR).
02	13	51	25	1*	38	982	N	23	354	E	5		0.7	11		16	SANTA CRUZ ISLANDS		
02	15	26	58	8	53	082	N	161	881	W	33	N	5	6	4	7	1.0	354	GREECE
02	15	43	29	9*	18	150	S	178	110	W	622	*	4	4	1	0		14	SOUTH OF ALASKA, Mw 5.4 (HRV), ML 5.3 (PMR), Ms 4.6 (BRK). Felt (III) at Cold Bay and (II) at King Cove. Also felt at Sand Point.
02	16	33	49	1	59	351	N	144	825	W	10	G	0.8	21				21	FIJI ISLANDS REGION
02	16	54	27	7?	29	14	S	178	57	W	96	*	4	5	0.4	9		21	GULF OF ALASKA, ML 2.9 (AEIC), 2.8 (PGC).
02	18	12	08	1	39	203	N	28	115	E	10	G	0.8	9				9	KERMADEC ISLANDS, NEW ZEALAND
02	18	27	16	4	31	825	S	67	881	W	10	G	0.9	8				9	TURKEY, ML 3.2 (ISK).
02	19	03	27	2&	37	627	N	118	872	W	8			41				8	SAN JUAN PROVINCE, ARGENTINA
02	19	32	14	0*	36	140	N	71	191	E	87	?	4	5	1	4		21	CALIFORNIA-NEVADA BORDER REGION, <GM-P>, MD 3.3 (GM), ML 3.2 (BRK).
02	20	07	10	1&	45	937	N	111	332	W	5			16				21	AFGHANISTAN-TAJIKISTAN BORD REG.
02	20	49	09	0	4	078	S	102	602	E	93	*	5	4	1.1	151		21	MONTANA, <BUT>, ML 3.5 (BUT). Felt at Manhattan.
02	21	54	57	7&	59	573	N	150	045	W	24			48				151	SOUTHERN SUMATERA, INDONESIA
02	22	01	18	5?	19	54	N	65	89	W	10	G	0.3	7				48	KENAI PENINSULA, ALASKA, <AEIC>, ML 2.7 (AEIC).
02	22	06	02	2%	26	356	S	27	400	E	5	G	1.3	9				7	PUERTO RICO REGION
02	22	06	56	1%	46	454	N	2	534	E	10	G	0.3	9				9	REPUBLIC OF SOUTH AFRICA, ML 2.9 (PRE).
02	22	31	50	2?	51	29	N	15	87	E	10	G	0.9	9					

04	11	01	41	1%	31	887	S	67	888	W	10	G	1.1	6	SAN JUAN PROVINCE, ARGENTINA	
04	12	24	19	8%	40	227	N	29	915	E	10	G	1.1	5	TURKEY ML 2 8 (ISK)	
04	12	29	48	9%	31	62	S	69	25	W	121	?	0.6	9	SAN JUAN PROVINCE, ARGENTINA	
04	12	49	58	9	42	203	N	142	565	E	67		1.1	20	HOKKAIDO, JAPAN REGION	
04	13	42	16	1?	32	49	S	72	21	W	33	N	0.5	10	OFF COAST OF CENTRAL CHILE MD 3 8 (SAN)	
04	14	04	31	0%	38	053	S	176	221	E	203	*	0.5	20	NORTH ISLAND, NEW ZEALAND	
04	14	06	28	0	38	183	N	22	065	E	33	N	1.1	17	GREECE ML 3 3 (ATH)	
04	14	13	06	6	31	299	S	72	455	W	33	N	0.8	17	OFF COAST OF CENTRAL CHILE MD 4 6 (SAN)	
04	15	12	44	3%	43	062	N	13	316	E	10	G	0.6	7	CENTRAL ITALY	
04	16	46	46	3%	28	052	S	26	756	E	5	G	0.3	6	REPUBLIC OF SOUTH AFRICA ML 2.2 (PRE)	
04	17	05	21	8	42	037	N	23	494	E	10	G	1.0	17	BULGARIA	
04	17	17	28	7	39	349	N	24	032	E	33	N	0.7	19	AEGEAN SEA ML 3.2 (ATH)	
04	17	25	04	2	39	128	N	29	178	E	10	G	0.8	12	TURKEY ML 3 2 (ISK)	
04	17	40	15	3	15	644	S	167	635	E	142	*	1.0	40	VANUATU ISLANDS	
04	17	54	05	9	41	977	N	19	278	E	10	G	0.5	10	ALBANIA ML 2.4 (TTG)	
04	18	32	04	0?	31	40	S	69	26	W	33	N	1.1	5	SAN JUAN PROVINCE, ARGENTINA	
04	19	08	05	3	24	942	N	122	150	E	111		1.1	148	TAIWAN REGION	
04	19	37	37	0%	59	598	N	153	050	W	98			27	SOUTHERN ALASKA <AEIC>	
04	19	50	49	6?	44	56	N	12	50	E	10	G	0.5	6	NORTHERN ITALY	
04	19	53	42	1%	31	474	S	68	414	W	99	?	0.5	6	SAN JUAN PROVINCE, ARGENTINA	
04	20	11	14	4	9	215	S	120	108	E	33	N	1.0	21	SUMBA REGION, INDONESIA	
04	20	12	10	5%	37	639	N	118	948	W	8			33	CALIFORNIA-NEVADA BORDER REGION <GM-P> MD 3.1 (GM)	
04	21	05	46	0?	6	06	S	147	19	E	48	*	0.7	9	EASTERN NEW GUINEA REG., P.N.G.	
04	21	32	38	4%	39	064	N	28	938	E	10	G	0.5	5	TURKEY ML 2 8 (ISK)	
04	22	11	30	5	32	642	S	68	637	W	33	*	0.9	9	MENDOZA PROVINCE, ARGENTINA	
04	22	50	31	2	55	226	N	162	390	E	33	N	1.1	23	NEAR EAST COAST OF KAMCHATKA	
04	23	03	15	8	39	274	N	29	118	E	10	G	0.4	5	TURKEY ML 2 9 (ISK)	
04	23	43	32	2%	16	146	N	61	033	W	33	N	0.2	5	LEEWARD ISLANDS ML 1.1 (FDF)	
04	23	46	02	4%	33	775	S	70	351	W	102	?	0.2	11	CHILE-ARGENTINA BORDER REGION MD 3 7 (SAN)	
04	23	55	38	8	31	514	S	69	283	W	128	*	0.7	20	SAN JUAN PROVINCE, ARGENTINA MD 3.9 (SAN)	
05	00	37	23	8%	43	919	N	10	358	E	10	G	0.8	7	CENTRAL ITALY	
05	00	52	41	4	24	886	S	112	393	W	10	G	5.2 5.6	89	EASTER ISLAND REGION Mw 5.9 (HRV) Mo=1 2+10+*18 Nm (PPT)	
05	01	05	15	2%	39	180	N	27	997	E	10	G	0.6	5	TURKEY ML 3 0 (ISK)	
05	03	15	28	1%	11	171	N	61	504	W	33	N	0.4	11	WINDWARD ISLANDS MD 3 5 (TRN)	
05	03	35	00	2	40	287	N	29	142	E	10	G	0.7	11	TURKEY ML 3 4 (ISK)	
05	03	38	11	5	23	736	S	66	810	W	214	?	1.0	7	JUJUY PROVINCE, ARGENTINA	
05	04	22	15	8	39	121	N	28	102	E	10	G	0.9	8	TURKEY ML 3 1 (ISK)	
05	04	31	55	8%	30	889	S	67	972	W	33	N	1.4	5	SAN JUAN PROVINCE, ARGENTINA	
05	04	45	44	9%	26	405	S	27	297	E	5	G	1.0	6	REPUBLIC OF SOUTH AFRICA ML 3.1 (PRE)	
05	05	38	56	2?	6	65	N	72	80	W	194	?	0.6	8	NORTHERN COLOMBIA	
05	05	54	15	8	33	492	S	72	230	W	10	G	0.4	12	OFF COAST OF CENTRAL CHILE MD 3.9 (SAN)	
05	05	56	00	4%	26	147	S	27	811	E	5	G	1.2	6	REPUBLIC OF SOUTH AFRICA ML 2 4 (PRE)	
05	06	16	27	7%	40	297	N	123	699	W	25			6	NORTHERN CALIFORNIA <GM-P> MD 2 8 (GM)	
05	06	21	18	8%	59	780	N	153	160	W	117			55	SOUTHERN ALASKA <AEIC>	
05	06	40	32	3%	63	029	N	149	587	W	83			89	CENTRAL ALASKA <AEIC>	
05	06	48	20	7?	8	51	N	102	74	W	10	G	4.2	10	OFF COAST OF MEXICO	
05	06	54	09	8	8	542	N	102	910	W	10	G	4.9 5 0	1.0	72	OFF COAST OF MEXICO Mw 5.6 (HRV) Ms 5 0 (BRK)
05	07	07	24	2?	10	66	N	86	17	W	33	N	4.5	1.1	38	OFF COAST OF COSTA RICA
05	07	36	10	9	10	780	N	86	221	W	33	N	4.6 4 4	1.0	75	OFF COAST OF COSTA RICA
05	07	42	01	8%	65	193	N	151	020	W	13			35	NORTHERN ALASKA <AEIC> ML 3.2 (AEIC), 3.4 (PMR)	
05	07	49	36	6%	39	115	N	27	695	E	10	G	0.6	6	TURKEY ML 2 7 (ISK)	
05	08	02	21	6	37	164	N	71	379	E	33	N	4.5	1.4	11	AFGHANISTAN-TAJIKISTAN BORD REG.
05	08	17	31	3%	44	530	N	7	414	E	10	G	0.3	10	NORTHERN ITALY ML 2 0 (GEN)	
05	08	25	56	8?	40	58	N	21	99	E	10	G	0.4	4	GREECE	
05	09	51	16	3%	39	130	N	27	654	E	10	G	0.3	5	TURKEY ML 2 6 (ISK)	
05	10	02	28	8%	39	876	N	27	356	E	10	G	0.6	5	TURKEY ML 2 7 (ISK)	
05	10	24	07	1	18	238	S	178	294	W	504	*	4.1	1.0	19	FIJI ISLANDS REGION
05	11	01	21	2%	39	560	N	29	600	E	10	G	0.2	5	TURKEY ML 2 7 (ISK)	
05	11	26	11	5	35	109	N	27	035	E	10	G	1.0	5	DODECANESE ISLANDS MD 3 9 (ATH)	
05	11	57	33	1?	31	57	S	68	94	W	33	N	1.5	5	SAN JUAN PROVINCE, ARGENTINA	
05	12	33	17	1?	41	50	N	27	51	E	10	G	0.8	5	TURKEY ML 3 1 (ISK)	
05	13	26	34	6	40	009	N	140	560	E	124	D	4.5	0.9	57	EASTERN HONSHU, JAPAN
05	13	41	35	6	23	306	S	66	516	W	229	?	0.8	7	JUJUY PROVINCE, ARGENTINA	
05	14	04	36	2	39	241	N	20	566	E	5	G	1.1	22	GREECE-ALBANIA BORDER REGION ML 3.3 (TIR) MD 3.5 (ATH)	
05	14	18	37	8?	32	74	S	72	57	W	14		0.7	11	OFF COAST OF CENTRAL CHILE MD 3.8 (SAN)	
05	14	52	24	9	23	679	S	63	600	W	551		0.9	91	SALTA PROVINCE, ARGENTINA	
05	15	20	57	7	30	242	N	138	808	E	420		1.0	291	SOUTH OF HONSHU, JAPAN Mw 5.6 (HRV) mb 5.0 (BRK)	
05	16	17	33	7	15	805	S	175	066	W	33	N	4.5	1.1	30	TONGA ISLANDS
05	16	29	39	2	40	417	N	28	018	E	10	G	0.6	16	TURKEY ML 3 4 (ISK) MD 3 4 (ATH)	
05	16	51	09	6	40	163	N	24	062	E	10	G	3.8	1.1	40	AEGEAN SEA ML 3 8 (ATH), 3 7 (TIR)
05	16	56	06	2?	40	17	N	23	96	E	5	*	0.7	6	GREECE	
05	19	29	08	6?	6	45	S	152	04	E	33	N	4.5	1.4	5	NEW BRITAIN REGION, P.N.G.
05	20	04	35	0?	40	78	N	27	50	E	10	G	0.4	4	TURKEY ML 2 6 (ISK)	
05	20	29	09	7	43	687	N	128	336	W	10	G	3.9	0.8	91	OFF COAST OF OREGON
05	21	01	14	6	29	018	N	104	585	E	10	G	3.7	1.5	8	SICHUAN, CHINA ML 4 0 (BJI)
05	21	07	15	5	28	994	N	104	550	E	10	G		1.4	8	SICHUAN, CHINA ML 4 1 (BJI)
05	21	13	50	6%	26	234	S	27	638	E	5	G	0.8	7	REPUBLIC OF SOUTH AFRICA ML 2 9 (PRE)	
05	21	25	55	4%	44	435	N	7	369	E	10	G	0.2	5	NORTHERN ITALY ML 1 5 (GEN)	
05	21	38	10	2	18	204	N	66	845	W	34	*	0.2	8	PUERTO RICO REGION	
05	21	41	45	9	28	041	N	85	063	E	33	N	3.8	1.0	6	NEPAL
05	21	52	37	2	27	864	N	84	978	E	33	N	4.2	0.9	15	NEPAL-INDIA BORDER REGION
05	22	00	12	4?	37	09	N	5	41	W	10	G	1.4	4	SPAIN mbLg 2 4 (MDD)	
05	22	04	28	4%	38	786	S	175	381	E	170	*	0.7	36	NORTH ISLAND, NEW ZEALAND	
05	22	11	09	8	27	939	N	85	118	E	33	N	4.7 4 4	1.1	45	NEPAL
05	22	20	11	7?	4	89	S	151	26	E	160	?	4.4	0.4	7	NEW BRITAIN REGION, P.N.G.
05	22	27	45	1%	38	821	N	122	808	W	5			10	NORTHERN CALIFORNIA <GM-P> MD 2 8 (GM)	
05	22	28	21	6?	31	16	S	69	43	W	33	N	0.7	5	SAN JUAN PROVINCE, ARGENTINA	
05	22	32	05	4%	30	690	S	68	368	W	10	G	0.3	5	SAN JUAN PROVINCE, ARGENTINA	
05	23	15	11	4	40	600	N	25	826	E	10	G	1.5	23	AEGEAN SEA ML 3 8 (ATH), 3 6 (ISK)	
06	00	51	57	8	31	426	S	68	025	W	10	G	0.5	7	SAN JUAN PROVINCE, ARGENTINA	
06	01	06	57	2?	29	51	S	177	67	W	82	*	4.6	1.2	8	KERMADEC ISLANDS, NEW ZEALAND

06	01	17	04	7%	33	762	S	71.108	W	62	?	0	2	10	NEAR COAST OF CENTRAL CHILE	MD 3.3 (SAN).			
06	01	23	45	8*	31	286	S	69.560	W	137	?	1	1	10	SAN JUAN PROVINCE, ARGENTINA				
06	01	27	02	4	40	373	N	25.886	E	5	G	0	7	13	AEGEAN SEA	ML 3.3 (ISK) MD 3.0 (ATH).			
06	02	13	04	0&	38	584	N	119.531	W	2				39	CALIFORNIA-NEVADA BORDER REGION	<GM-P>. MD 3.7 (GM).			
f	06	02	53	03	7	24	601	S	111.888	W	10	G	5.5	6.1	1	1	124	EASTER ISLAND REGION. Mw 6.3 (GS), 6.4 (HRV). Ms 5.9 (BRK) Mo=1.1+10**19 Nm (PPT).	
06	03	22	39	3?	18	07	N	76.76	W	10	G	0	7	4	JAMAICA REGION.	MD 2.0 (HOJ).			
06	03	37	35	5	46	951	N	11.284	E	10	G	0	4	7	NORTHERN ITALY.	ML 1.7 (VIE).			
06	04	00	05	2%	42	303	N	19.482	E	10	G	0	1	8	NORTHWESTERN BALKAN REGION.	ML 1.3 (TTG)			
06	04	51	36	9%	39	623	N	26.622	E	10	G	0	2	5	TURKEY.	ML 3.2 (ISK).			
06	05	05	34	8	47	131	N	12.155	E	10	G	0	0	5	AUSTRIA.	ML 1.4 (VIE).			
06	05	49	47	5?	12	07	N	66.80	W	10	G	1	0	8	CARIBBEAN SEA				
06	06	35	01	9&	60	451	N	151.909	W	69				78	KENAI PENINSULA, ALASKA.	<AEIC>. ML 3.3 (AEIC), 3.3 (PMR).			
06	06	37	41	0*	38	248	S	176.050	E	162	?	3.4	1.5	15	NORTH ISLAND, NEW ZEALAND				
06	07	34	44	9?	39	13	N	27.58	E	10	G	0	9	4	TURKEY.	ML 2.7 (ISK).			
06	08	07	16	3	53	579	N	159.117	W	10	G	4	5	1	1	71	SOUTH OF ALASKA		
06	08	42	31	3	37	877	N	29.472	E	20	*	0	7	8	TURKEY.	ML 3.4 (ISK).			
06	08	53	51	7&	63	004	N	150.555	W	107				55	CENTRAL ALASKA.	<AEIC>.			
06	09	09	50	5	15	892	N	95.538	W	33	N	4.5	1	1	32	NEAR COAST OF OAXACA, MEXICO			
06	09	27	15	2?	31	15	S	68.55	W	101	?	0	2	5	SAN JUAN PROVINCE, ARGENTINA				
06	09	58	03	8%	41	216	S	172.711	E	182	*	0	3	22	SOUTH ISLAND, NEW ZEALAND				
06	10	17	04	0%	39	572	S	175.560	E	5	G	0	9	28	NORTH ISLAND, NEW ZEALAND.	ML 3.9 (WEL).			
06	10	30	47	0%	10	486	N	60.979	W	33	N	0	2	8	TRINIDAD.	MD 3.4 (TRN).			
06	11	04	09	3%	40	089	N	21.885	E	5	G	1	1	7	GREECE				
06	11	28	02	7%	31	304	S	68.159	W	33	N	1	2	5	SAN JUAN PROVINCE, ARGENTINA				
06	11	31	14	9	40	163	N	23.867	E	10	G	0	7	9	GREECE				
06	11	37	14	3?	31	20	S	68.54	W	100	G	0	1	5	SAN JUAN PROVINCE, ARGENTINA				
06	11	51	04	0%	39	185	N	29.048	E	10	G	0	6	11	TURKEY.	ML 3.0 (ISK).			
06	12	11	42	6%	37	592	S	177.467	E	194	?	1	0	26	OFF E. COAST OF N. ISLAND, N.Z.				
06	12	35	29	6	68	032	N	156.750	W	10	G	0	5	21	NORTHERN ALASKA.	ML 3.7 (PMR), 3.3 (AEIC).			
06	13	14	59	5?	58	29	N	6.49	E	5	G	1	1	8	SOUTHERN NORWAY.	MD 2.7 (BER).			
06	13	25	45	7&	50	424	N	130.232	W	10	G			36	VANCOUVER ISLAND REGION.	<PGC-P>. ML 3.2 (PGC).			
06	13	34	47	8&	63	052	N	150.982	W	130				41	CENTRAL ALASKA.	<AEIC>.			
06	13	41	25	1	28	896	N	51.243	E	33	N	4.8	1	2	49	SOUTHERN IRAN.	Felt in the Borozjon area.		
06	14	07	41	4*	2	909	S	134.438	E	69	*	5.0	0	9	21	IRIAN JAYA REGION, INDONESIA			
06	14	09	09	6%	26	900	S	26.738	E	5	G	0	7	6	REPUBLIC OF SOUTH AFRICA.	ML 2.3 (PRE).			
06	14	21	34	1	41	007	N	33.712	E	10	G	0	5	7	TURKEY.	MG 3.4 (DDA).			
06	14	56	12	8%	26	876	S	26.685	E	5	G	1	0	6	REPUBLIC OF SOUTH AFRICA.	ML 2.2 (PRE).			
06	15	51	13	1*	18	350	S	178.001	W	666	?	5.2	1	1	32	FIJI ISLANDS REGION			
06	15	58	28	4	49	165	N	6.908	E	9			0	7	17	GERMANY.	ML 3.0 (STR), 2.9 (KOE), 2.5 (BNS). mbLg 2.7 (UCC).		
06	17	42	24	7	39	529	N	23.455	E	10	G	0	8	8	AEGEAN SEA				
o	06	18	34	12	4	20	431	S	168.810	E	37	D	5.3	5.0	1	0	65	LOYALTY ISLANDS.	Mw 5.4 (HRV).
06	18	40	20	5&	41	157	N	126.207	W	24				5	OFF COAST OF NORTHERN CALIFORNIA.	<GM-P>. MD 3.3 (GM).			
06	18	45	06	5%	26	334	S	27.632	E	5	G	0	8	7	REPUBLIC OF SOUTH AFRICA.	ML 2.8 (PRE).			
06	18	51	49	8&	58	863	N	137.396	W	0				3	SOUTHEASTERN ALASKA.	<AEIC>. ML 2.5 (AEIC).			
06	19	04	59	7*	26	602	S	70.214	W	33	N	0	3	7	NEAR COAST OF NORTHERN CHILE				
06	19	48	09	3	37	891	N	39.315	E	47	*	4.8	1	2	27	TURKEY			
06	20	07	49	8	31	952	N	82.220	E	33	N	4.8	1	1	66	XIZANG			
06	20	26	58	9%	44	798	N	7.925	E	10	G	0	9	8	NORTHERN ITALY.	ML 2.0 (GEN).			
06	22	13	38	5*	20	201	S	168.013	E	10	G	4.3	4.3	1	13	LOYALTY ISLANDS			
06	22	54	58	4%	40	322	N	27.427	E	10	G	0	7	6	TURKEY.	ML 2.8 (ISK).			
06	22	58	15	0?	6	62	S	130.72	E	154	?	4.7	0	8	5	BANDA SEA			
06	23	02	20	1*	31	818	S	67.770	W	33	N	0	8	6	SAN JUAN PROVINCE, ARGENTINA				
06	23	59	27	7*	22	736	S	126.437	E	10	G	1	1	10	WESTERN AUSTRALIA				
07	01	03	18	7%	26	828	S	26.716	E	5	G	0	7	5	REPUBLIC OF SOUTH AFRICA	ML 2.4 (PRE).			
07	01	54	56	0	11	540	N	142.841	E	50	D	5.0	4.6	1	3	83	SOUTH OF MARIANA ISLANDS		
07	02	54	06	8	40	525	N	20.246	E	28			1	0	29	GREECE-ALBANIA BORDER REGION.	ML 3.6 (TIR), 3.4 (TTG).		
07	03	09	40	9%	46	221	N	2.485	E	10	G	0	8	11	FRANCE				
07	03	21	39	0?	27	43	N	128.13	E	33	N	4.4	1	2	9	RYUKYU ISLANDS			
07	03	24	50	6	7	590	S	127.408	E	164	D	5	1	0	9	165	BANDA SEA		
07	03	47	02	9*	51	478	N	15.991	E	10	G	0	4	11	POLAND.	ML 3.6 (VIE), 3.4 (GRF).			
07	03	51	48	6?	35	02	S	71.07	W	100	G	0	1	10	CENTRAL CHILE.	MD 3.8 (SAN).			
07	04	33	36	5	42	026	N	142.257	E	74		4.3	1	0	24	HOKKAIDO, JAPAN REGION			
07	04	37	27	1&	60	073	S	153.513	W	145				35	SOUTHERN ALASKA.	<AEIC>.			
07	04	51	48	3	27	888	N	127.887	E	33	N	4.8	4.3	1	5	50	RYUKYU ISLANDS		
07	05	34	53	8&	61	518	N	150.014	W	48				54	SOUTHERN ALASKA.	<AEIC>. ML 2.8 (AEIC), 2.9 (PMR). Felt (11) at Anchorage.			
07	05	44	00	3	56	234	N	156.568	W	68		4.1	0	7	31	ALASKA PENINSULA.	ML 3.8 (AEIC).		
07	06	14	19	3*	27	540	N	127.893	E	33	N	4.3	1	1	15	RYUKYU ISLANDS			
07	07	07	33	0%	39	130	N	27.604	E	10	G	0	5	5	TURKEY.	ML 2.7 (ISK).			
07	07	51	01	5*	37	573	N	23.134	E	10	G	0	9	7	SOUTHERN GREECE.	MD 3.0 (ATH).			
07	08	03	51	0&	39	200	N	106.700	W	5	G			7	COLORADO.	<MACRO>. ML 2.2 (GS). Felt in the Aspen area.			
07	08	15	32	6	50	589	N	18.956	E	10	G	1	0	10	POLAND.	ML 3.5 (WAR), 3.2 (CLL).			
07	08	59	33	8%	39	103	N	27.761	E	10	G	0	9	6	TURKEY.	ML 2.9 (ISK).			
07	09	17	57	1%	26	912	S	26.674	E	5	G	0	7	7	REPUBLIC OF SOUTH AFRICA.	ML 2.8 (PRE).			
07	09	27	58	1%	39	246	N	27.849	E	10	G	1	2	6	TURKEY.	ML 2.7 (ISK).			
07	10	05	46	0&	39	200	N	106.700	W	5	G			9	COLORADO.	<MACRO>. ML 2.5 (GS). Felt in the Aspen area.			
07	10	11	09	2%	41	449	S	173.192	E	132	*	0	8	34	SOUTH ISLAND, NEW ZEALAND				
o	07	11	10	53	3	27	887	N	127.992	E	35	D	5.1	4.9	1	3	121	RYUKYU ISLANDS.	Mw 5.5 (HRV).
07	11	24	36	1*	17	326	S	72.907	W	37	D	4.6	1	2	16	NEAR COAST OF PERU			
07	11	43	10	6&	37	629	N	118.885	W	6				40	CALIFORNIA-NEVADA BORDER REGION.	<GM-P>. MD 3.2 (GM).			
07	11	48	05	0	55	500	N	4.715	E	10	G	1	1	53	NORTH SEA.	ML 4.0 (BGS). Felt (11) on the Gorm Platform.			
07	12	15	58	6%	39	692	N	29.403	E	10	G	1	0	5	TURKEY				
07	12	26	18	9%	44	722	N	6.789	E	10	G	0	1	8	FRANCE.	ML 2.1 (GEN).			
07	12	32	00	3	40	469	N	20.061	E	10	G	1	2	17	GREECE-ALBANIA BORDER REGION.	ML 3.3 (TIR). MD 3.2 (ATH).			
07	12	54	34	9*	39	496	N	23.501	E	5	G	0	7	8	AEGEAN SEA				

07	12 56 14.3?	31 07 S	68.29 W	100 G	0 3	5	SAN JUAN PROVINCE, ARGENTINA
07	13 09 13.6	32 216 N	131.592 E	70 *	1 1	32	KYUSHU, JAPAN
07	13 15 08 2&	37 627 N	118.882 W	6		28	CALIFORNIA-NEVADA BORDER REGION <GM-P>. MD 2.9 (GM).
07	14 19 18 5?	37.28 S	176.26 E	364 ?	0 4	20	NORTH ISLAND, NEW ZEALAND
07	14 44 51.5&	63.120 N	151.407 W	9		52	CENTRAL ALASKA <AEIC> ML 3 0 (AEIC), 3.3 (PMR).
07	15 14 58.6	41 216 N	21.988 E	21 *	0 9	11	NORTHWESTERN BALKAN REGION
07	15 21 17.2	36.707 S	176.984 E	299	1 0	50	OFF E COAST OF N ISLAND, N Z.
o 07	15 38 16.3	2 046 N	126.528 E	62 *	1 2	45	NORTHERN MOLUCCA SEA. Mw 4.9 (HRV).
07	16 26 04.4&	36.244 N	120.404 W	8		9	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM). ML 2.8 (PAS)
07	16 28 52.9	39.237 N	20.567 E	10 G	0 8	14	GREECE-ALBANIA BORDER REGION MD 3.2 (ATH).
07	16 32 10.5	57.397 N	142.916 W	10 G	0 6	32	GULF OF ALASKA. ML 3.2 (PGC), 3.0 (AEIC).
07	16 42 44.7%	26.928 S	26.837 E	5 G	0 7	8	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
07	17 03 20.8%	33.463 S	70.883 W	71 ?	0 3	11	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
07	17 47 59.7%	33.223 S	68.046 W	33 N	1 1	7	MENDOZA PROVINCE, ARGENTINA
07	18 03 51.6*	35.476 N	27.724 E	10 G	0 5	5	DODECANESE ISLANDS. MD 3.9 (ATH).
07	19 25 15.6*	35.359 N	27.832 E	10 G	0 8	5	DODECANESE ISLANDS. ML 3.4 (CSS). MD 3.8 (ATH).
07	19 38 19.0	31.605 S	69.327 W	120	0 8	22	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN).
07	20 27 52.9%	33.145 S	70.836 W	10 G	0 3	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
07	20 33 27.2?	28.06 N	127.57 E	33 N	1 3	9	NORTHWEST OF RYUKYU ISLANDS
07	20 47 26.0	40.666 N	23.074 E	10 G	0 4	9	GREECE. ML 2.1 (SKO).
07	20 49 11.5	51.260 N	159.104 E	35 D	5.1 4.6	161	OFF EAST COAST OF KAMCHATKA
07	20 53 24.9	13.693 N	123.674 E	40	5.1 5.7	1.1	65 LUZON, PHILIPPINE ISLANDS
07	22 01 31.6*	50.357 N	18.936 E	10 G	1 3	7	POLAND. ML 3.1 (WAR).
07	22 07 37.1&	34.252 N	116.897 W	11		25	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.1 (GS). Felt in the Big Bear Lake area.
07	22 42 57.7?	0.03 N	98.20 E	33 N	1.1	6	NORTHERN SUMATERA, INDONESIA
07	23 17 42.4&	64.478 N	152.753 W	0		14	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
08	00 52 20.7*	49.088 N	6.863 E	5 G	0 9	10	GERMANY. ML 2.3 (STR).
08	00 52 32.1?	34.99 S	70.14 W	159 ?	0 6	15	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
08	02 05 20.2	30.193 N	114.338 W	10 G	1.5	21	GULF OF CALIFORNIA ML 4.5 (GS).
08	02 23 30.8%	40.863 S	172.081 E	12	0 9	29	OFF W. COAST OF S ISLAND, N.Z. ML 4.3 (WEL).
08	02 25 09.9*	29.923 N	114.259 W	10 G	1.2	18	BAJA CALIFORNIA, MEXICO. ML 4.8 (GS).
08	02 26 06.8	43.272 N	1.866 W	10 G	1.4	21	PYRENEES mblg 3 0 (MDD). Felt (III) in the Basque region, France.
08	02 31 40.3?	27.86 N	127.98 E	33 N	1.5	14	RYUKYU ISLANDS
08	03 06 17.9	33.948 N	34.582 W	10 G	0 8	61	NORTHERN MID-ATLANTIC RIDGE
08	03 06 59.0*	29.964 N	114.130 W	10 G	1.4	18	BAJA CALIFORNIA, MEXICO. ML 4.7 (GS).
08	03 15 33.8%	40.867 S	172.061 E	12	0 9	36	OFF W. COAST OF S ISLAND, N.Z. ML 4.6 (WEL).
08	03 17 16.0*	35.087 S	70.629 W	10 G	0 9	11	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
08	03 32 15.8%	44.304 N	7.430 E	10 G	0 3	5	NORTHERN ITALY. ML 1.7 (GEN)
08	03 45 01.9&	60.592 N	142.700 W	13		15	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC), 2.7 (PGC)
08	04 03 52.2	39.227 N	106.715 W	5 G	0 7	13	COLORADO. ML 3.1 (GS). Felt in the Aspen area.
08	04 26 19.4	39.210 N	106.716 W	5 G	0 7	9	COLORADO. ML 2.6 (GS). Felt in the Aspen area.
08	04 37 40.4%	37.789 N	3.598 W	10 G	1 4	5	SPAIN. mblg 2 5 (MDD).
08	04 49 10.0%	44.781 N	7.659 E	10 G	0 7	11	NORTHERN ITALY. ML 2.2 (GEN).
08	04 56 09.9&	58.158 N	138.488 W	10 G		14	SOUTHEASTERN ALASKA. <AEIC>. ML 3.0 (AEIC), 2.9 (PGC).
08	04 59 14.5%	26.377 S	27.414 E	5 G	0 8	7	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
08	05 00 06.3%	31.619 S	68.625 W	101 ?	0 4	7	SAN JUAN PROVINCE, ARGENTINA
08	06 06 24.6	32.793 S	69.094 W	10 G	1 0	20	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN).
08	06 18 34.6%	54.323 N	3.078 W	5 G	0 4	8	UNITED KINGDOM. ML 1.6 (BGS). Felt (II) at Kirkby-in-Furness.
08	06 39 51.9?	33.92 S	71.83 W	33 N	0 5	10	NEAR COAST OF CENTRAL CHILE MD 3.4 (SAN).
08	08 22 46.6*	31.504 S	67.879 W	93 ?	1 0	9	SAN JUAN PROVINCE, ARGENTINA
08	09 24 49.0&	41.320 N	123.766 W	40		24	NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.5 (BRK).
08	09 29 42.8?	39.09 N	27.95 E	10 G	1 4	4	TURKEY. ML 2.7 (ISK)
08	10 09 57.6%	28.889 N	102.395 E	33 N	1 1	6	SICHUAN, CHINA
o 08	10 35 49.8	20.832 S	169.294 E	34 D	5.5 5.3	178	VANUATU ISLANDS. Mw 5.5 (HRV). Ms 5.0 (BRK).
08	10 46 25.5	51.218 N	159.151 E	36 D	5.4 5.3	183	OFF EAST COAST OF KAMCHATKA
08	10 55 20.5*	44.579 N	6.851 E	10 G	0 9	6	FRANCE
08	11 01 11.9?	23.63 S	66.97 W	226 ?	1 1	5	JUJUY PROVINCE, ARGENTINA
08	11 02 27.9	49.074 N	153.652 E	131 D	4 8	115	KURIL ISLANDS
08	12 32 17.8%	39.077 S	176.832 E	103 *	1 1	29	NORTH ISLAND, NEW ZEALAND
08	12 36 56.3&	59.926 N	153.317 W	124		40	SOUTHERN ALASKA. <AEIC>.
08	12 56 33.1	52.085 N	170.996 W	33 N	1 0	132	FOX ISLANDS, ALEUTIAN ISLANDS
08	13 10 50.4	54.476 N	149.274 W	33 N	4 1	8	73 SOUTH OF ALASKA. ML 4.8 (AEIC), 4.2 (PMR).
08	13 20 18.3?	38.04 S	175.32 E	120 G	0 8	9	NORTH ISLAND, NEW ZEALAND
08	14 09 34.7*	42.818 N	145.873 E	33 N	1 2	11	HOKKAIDO, JAPAN REGION
08	14 46 21.3	58.283 N	155.124 W	10 G	0 6	26	ALASKA PENINSULA. ML 2.8 (AEIC).
08	15 10 56.2*	13.247 S	167.283 E	227 ?	1 0	25	VANUATU ISLANDS
08	15 19 58.4%	42.639 N	2.289 E	10 G	0 3	6	PYRENEES ML 1.4 (STR).
08	16 00 46.3?	46.85 N	0.73 W	10 G	0 5	5	FRANCE
08	16 23 07.0*	40.001 N	23.759 E	10 G	0 6	5	GREECE
08	16 47 59.6	11.984 N	124.197 E	18 *	1 2	17	LEYTE, PHILIPPINE ISLANDS
08	16 49 04.2?	50.18 N	19.12 E	10 G	0 9	4	POLAND. ML 2.9 (WAR)
08	16 49 09.6*	33.694 S	71.942 W	28	0 7	11	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
08	17 04 28.7%	44.354 N	7.976 E	10 G	0 4	7	NORTHERN ITALY. ML 1.8 (GEN).
08	18 10 44.2%	16.745 N	61.272 W	33 N	0 2	6	LEEWARD ISLANDS
08	18 11 13.7*	50.300 N	18.916 E	10 G	0 8	5	POLAND ML 2.8 (WAR).
o 08	18 22 17.8	20.858 S	172.317 E	33 N	5.4 5.9	138	VANUATU ISLANDS REGION. Mw 6.0 (GS), 6.0 (HRV). Ms 5.9 (BRK). Mo=1.9*10**18 Nm (PPT).
08	18 26 24.1*	54.598 N	160.056 W	33 N	4 6	0 8	20 ALASKA PENINSULA. ML 4.0 (PMR).
08	18 27 09.9&	34.957 N	116.785 W	3		38	SOUTHERN CALIFORNIA. <PAS-P> ML 3.9 (PAS), 3.6 (GS). Felt (III) at Lucerne Valley. Also felt in the Barstow-Yermo area.
08	19 47 49.8%	38.987 S	174.844 E	274	0 6	43	NORTH ISLAND, NEW ZEALAND. Felt in the Wellington area
08	20 16 26.3	44.231 N	7.095 E	10 G	0 6	17	NORTHERN ITALY. ML 1.9 (GEN).
08	20 50 24.4&	57.696 N	154.156 W	11		34	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
08	20 55 48.9&	58.526 N	154.418 W	0		23	ALASKA PENINSULA. <AEIC>. ML 3.0 (AEIC).
08	21 40 23.0	39.502 N	28.322 E	10 G	0 9	17	TURKEY. ML 3.5 (ISK). MD 3.5 (ATH)
08	22 06 15.0	24.148 S	68.725 W	106 D	5 2	152	CHILE-ARGENTINA BORDER REGION
08	22 11 03.6	65.566 N	148.345 W	5 G	1 3	17	NORTHERN ALASKA. ML 2.8 (AEIC).
08	22 26 58.8*	21.000 S	68.958 W	139 *	0 3	7	CHILE-BOLIVIA BORDER REGION
08	22 46 19.5*	51.093 N	176.678 E	33 N	4 5	1 4	12 RAT ISLANDS, ALEUTIAN ISLANDS

08	22	56	40.2°	6	79	N	72	96	W	174	?	4	6	1	0	10	NORTHERN COLOMBIA
08	22	57	44.8°	34.245	N	116.429	W			2						39	SOUTHERN CALIFORNIA <PAS-P>. ML 4.0 (PAS). 3.9 (GS). Felt (IV) at Yucca Valley. (III) at Landers and (II) at Riverside. Also felt at Highland.
08	23	12	31.3°	11.155	N	61.932	W	93	?					0	3	10	WINDWARD ISLANDS MD 3.2 (TRN).
08	23	18	57.8	9.790	N	83.617	W	12		4.8	4.6			1	0	63	COSTA RICA MD 4.9 (UPA). 4.8 (HDC). Felt strongly in the San Jose area. Felt throughout Costa Rica.
08	23	30	42.1	32.597	S	69.901	W	125	*					0	9	20	MENDOZA PROVINCE, ARGENTINA. MD 4.3 (SAN).
08	23	31	06.2	37.337	N	69.983	E	33	N	4	5			0	8	19	AFGHANISTAN-TAJIKISTAN BORDER REGION
08	23	50	18.0°	18.078	N	77.389	W	10	G					0	5	6	JAMAICA REGION MD 3.3 (HOJ). Felt (III) on Jamaica
09	00	05	24.9°	32.674	S	70.780	W	70	G					0	3	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).
09	00	55	12.9°	32.006	S	71.758	W	10	G					0	7	11	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
09	01	05	44.4	43.224	N	17.818	E	10	G					1	4	47	NORTHWESTERN BALKAN REGION. ML 3.5 (TTG). 3.5 (ROM).
09	01	29	15.6	43.168	N	17.769	E	5	G					0	7	10	NORTHWESTERN BALKAN REGION. ML 2.7 (TTG).
09	02	00	51.6°	9.934	N	83.645	W	33	N					1	0	10	COSTA RICA MD 4.3 (UPA). 3.7 (HDC).
09	03	01	12.3°	40.738	S	174.628	E	118						1	0	39	COOK STRAIT, NEW ZEALAND
09	03	30	14.4°	15.23	N	93.08	W	33	N					0	7	5	NEAR COAST OF CHIAPAS, MEXICO. MD 4.2 (GCG).
09	03	34	56.2°	4.078	S	135.134	E	80	?			5	0	1	3	14	IRIAN JAYA REGION, INDONESIA
09	03	37	01.8	44.774	N	6.793	E	10	G					0	4	24	FRANCE. ML 2.5 (GEN).
09	05	00	44.9°	45.189	N	7.557	E	10	G					0	8	7	NORTHERN ITALY. ML 2.2 (GEN).
09	06	31	01.4°	39.200	N	76.900	W	5	G							3	CHESAPEAKE BAY REGION. <MACRO>. MD 1.9 (NED). Felt at Columbia, Maryland.
09	06	42	56.9°	30.928	S	68.001	W	33	N					0	4	5	SAN JUAN PROVINCE, ARGENTINA
09	07	09	35.9	51.269	N	176.203	W	33	N	5.0	4	5		1	3	87	ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.5 (PMR). Felt (III) on Adak
09	07	47	55.9	39.524	N	28.254	E	10	G					1	2	10	TURKEY. ML 3.1 (ISK).
09	07	51	09.2°	44.341	N	7.427	E	5	G					0	3	5	NORTHERN ITALY ML 1.7 (GEN).
09	08	03	20.9°	39.452	N	28.239	E	10	G					0	4	7	TURKEY. ML 3.1 (ISK).
09	08	16	44.1°	39.491	N	28.296	E	10	G					0	5	7	TURKEY. ML 2.9 (ISK).
09	08	17	05.9°	10.875	N	87.218	W	33	N	4.3				1	2	13	OFF COAST OF COSTA RICA
09	08	48	16.2°	39.417	N	28.336	E	10	G					0	5	5	TURKEY. ML 2.8 (ISK).
09	08	48	49.6°	38.23	S	176.09	E	150	G					1	0	10	NORTH ISLAND, NEW ZEALAND
09	09	07	01.1	39.514	N	28.316	E	10	G					1	0	10	TURKEY. ML 3.1 (ISK).
09	09	20	10.8°	34.356	S	70.289	W	10	G					0	5	11	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
09	09	58	57.5°	33.082	S	71.783	W	21						1	1	19	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
09	10	06	25.3°	24.547	S	116.010	E	10	G					0	7	9	WESTERN AUSTRALIA
09	10	23	12.6°	26.363	S	27.435	E	5	G					1	1	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE)
a 09	10	29	21.5	28.416	N	55.369	E	23	D	5.3	4.8			1	2	236	SOUTHERN IRAN. Mw 5.2 (HRV).
09	10	36	05.9°	28.14	N	56.04	E	33	N	5.0				1	0	35	SOUTHERN IRAN
09	10	45	18.7°	39.527	N	28.291	E	10	G					0	5	5	TURKEY. ML 2.9 (ISK).
09	10	59	02.9°	42.979	N	18.086	E	10	G					0	7	7	NORTHWESTERN BALKAN REGION. ML 2.2 (TTG).
09	11	31	49.4°	43.087	N	24.006	E	10	G					0	6	9	BULGARIA
09	12	08	19.2°	8.838	S	122.132	E	33	N	4	8			1	5	8	FLORES REGION, INDONESIA
09	12	15	52.0	42.648	N	24.104	E	10	G					0	4	9	BULGARIA
a 09	13	03	09.5	17.369	S	167.929	E	17	G	5	6	5.6		1	0	257	VANUATU ISLANDS. Mw 5.9 (GS). 5.9 (HRV) Ms 5.8 (BRK). Mo=1.8*10**18 Nm (PPT). Depth from broadband displacement seismograms.
09	13	08	49.3	17.443	S	167.839	E	24	*	5.0				1	1	56	VANUATU ISLANDS
a 09	15	37	53.6	19.782	S	177.486	W	398	G	6	0			1	0	439	FIJI ISLANDS REGION Mw 6.0 (GS). 6.1 (HRV). mb 5.9 (BRK). Mo=1.4*10**18 Nm (PPT). Depth from broadband displacement seismograms.
09	15	51	08.1°	38.506	N	14.613	E	10	G					0	6	10	SICILY. MD 3.2 (ROM).
09	16	23	17.3°	26.81	N	86.06	E	33	N	4.6				1	2	4	NEPAL-INDIA BORDER REGION
09	16	37	06.3	17.448	S	167.783	E	10	G	5	0	4.6		1	1	53	VANUATU ISLANDS
09	16	49	27.3°	63.252	N	149.544	W	95								71	CENTRAL ALASKA. <AEIC>.
09	18	02	13.5	44.181	N	7.327	E	13						0	5	24	NORTHERN ITALY. ML 2.8 (GEN).
09	18	03	45.2°	30.735	S	68.496	W	92	?					1	3	6	SAN JUAN PROVINCE, ARGENTINA
09	18	54	13.2°	33.522	S	70.165	W	110	G					0	3	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
09	19	00	59.3°	35.393	N	21.899	E	33	N					1	0	18	CENTRAL MEDITERRANEAN SEA MD 3.5 (ATH).
09	19	09	50.4°	31.338	S	68.638	W	103	?					0	4	6	SAN JUAN PROVINCE, ARGENTINA
09	19	40	21.0	17.415	S	167.896	E	25	*	4	7			1	0	29	VANUATU ISLANDS
09	20	34	03.7	37.402	N	20.483	E	10	G					1	0	17	IONIAN SEA. MD 3.3 (ATH).
09	21	09	48.9°	29.054	S	176.744	W	40	D	5	3	5.2		1	3	45	KERMADEC ISLANDS REGION
09	21	34	28.7°	29.071	S	176.734	W	38	D	5	2	4.9		1	5	31	KERMADEC ISLANDS REGION
09	21	52	48.5°	46.22	N	0.27	E	10	G					0	8	4	FRANCE
09	22	38	13.4°	33.299	S	70.597	W	33	N					1	2	8	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
09	23	06	05.1°	36.853	N	55.230	E	61	?	4.6				1	4	10	NORTHERN IRAN. Felt at Jajarm.
09	23	16	36.8°	11.85	N	124.00	E	33	N					0	9	4	LEYTE, PHILIPPINE ISLANDS
09	23	17	47.9	17.553	S	167.770	E	29	D	5.1	4.6			1	1	51	VANUATU ISLANDS
10	00	42	05.9°	55.077	N	162.138	E	33	N	4.5				1	1	30	NEAR EAST COAST OF KAMCHATKA
10	00	48	27.0°	31.168	S	68.666	W	100	G					0	3	5	SAN JUAN PROVINCE, ARGENTINA
10	01	37	35.5°	43.211	N	18.951	E	10	G					0	1	7	NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
10	01	42	43.4°	63.235	N	150.673	W	135								35	CENTRAL ALASKA. <AEIC>.
10	02	04	26.3°	44.399	N	7.311	E	10	G					0	1	4	NORTHERN ITALY ML 1.8 (GEN).
10	02	10	21.2°	36.509	N	5.634	W	10	G					0	5	4	STRAIT OF GIBRALTAR. mbLg 2.9 (MDD).
10	02	36	08.8°	26.956	S	26.779	E	5	G					0	6	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
10	03	14	35.7°	29.26	N	104.14	E	10	G					1	0	4	SICHUAN, CHINA. ML 4.0 (BJI).
10	03	26	49.5°	32.714	S	71.403	W	23						1	3	15	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
10	03	50	34.9°	42.76	N	127.35	W	10	G					0	4	45	OFF COAST OF OREGON
10	04	27	02.8°	37.876	S	176.451	E	191	?					0	9	22	NORTH ISLAND, NEW ZEALAND
10	05	20	14.6°	23.619	S	69.178	W	109	*	4.2				1	4	16	NORTHERN CHILE
10	05	40	53.8°	45.72	N	26.51	E	162	?					0	6	7	ROMANIA
10	05	56	57.6°	32.569	S	68.791	W	124	?					0	1	6	MENDOZA PROVINCE, ARGENTINA
10	06	03	10.0°	36.354	N	25.572	E	33	N	2.9				0	7	5	DODECANESE ISLANDS. ML 3.3 (ATH).
10	07	26	26.1°	39.123	N	27.631	E	10	G					0	6	5	TURKEY ML 2.7 (ISK).
10	08	08	40.1°	35.319	N	27.790	E	10	G					1	1	6	DODECANESE ISLANDS. MD 3.9 (ATH).
10	08	21	03.2°	39.240	N	27.763	E	10	G					0	9	5	TURKEY ML 2.8 (ISK).
10	08	59	07.9	47.309	N	10.175	E	10						1	3	108	AUSTRIA. ML 4.2 (GRF). 4.0 (STR). 4.0 (VIE). 3.9 (CLL). 3.7 (BRA). Felt (V) in the Ariberg Pass area.
10	09	35	52.9	43.892	N	11.881	E	10	G					0	8	16	CENTRAL ITALY. MD 3.1 (TRI).
10	09	51	36.7°	31.64	S	69.32	W	117	?					0	6	5	SAN JUAN PROVINCE, ARGENTINA
10	10	08	05.5°	26.968	S	26.801	E	5	G					1	2	10	REPUBLIC OF SOUTH AFRICA. ML 3.6 (PRE).

10	10	15	12	6*	17	285	N	60	617	W	10	G	3	8	1	0	13	LEEWARD ISLANDS MD 4 2 (TRN).	
10	11	28	26	6	28	497	S	71	725	W	40	?	4	8	1	2	24	NEAR COAST OF CENTRAL CHILE	
10	12	42	39	9&	66	035	N	151	615	W	0						8	NORTHERN ALASKA. <AEIC>. ML 2 5 (AEIC)	
10	14	12	35	3	20	680	S	178	027	W	563	D	4	9	1	1	68	FIJI ISLANDS REGION	
10	14	53	02	2	42	604	N	1	943	E	10	G			1	4	10	PYRENEES. ML 1.6 (STR).	
10	15	02	36	0*	51	403	N	15	963	E	10	G			0	7	8	POLAND. ML 2.7 (CLL).	
10	15	21	09	8?	39	15	N	27	47	E	5	G			0	8	4	TURKEY. ML 2.7 (ISK).	
10	15	38	30	3*	15	552	N	60	846	W	33	N			0	3	9	LEEWARD ISLANDS. ML 3.4 (FDF)	
10	16	05	54	5%	42	682	S	173	701	E	85	*			0	8	33	SOUTH ISLAND. NEW ZEALAND	
10	16	24	38	8&	67	590	N	149	781	W	20	G					8	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).	
10	16	42	51	9&	34	242	N	116	426	W	3						9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt.	
10	16	59	20	6%	40	705	N	23	352	E	10	G			0	3	8	GREECE	
10	17	08	55	2%	32	902	S	68	954	W	33	N			0	8	8	MENDOZA PROVINCE, ARGENTINA	
10	17	53	10	0%	38	581	N	14	773	E	10	G			0	4	6	SICILY	
10	17	57	01	9?	30	96	S	71	43	W	33	N			1	4	5	NEAR COAST OF CENTRAL CHILE	
10	18	29	37	6?	37	84	N	1	50	W	10	G			0	5	4	SPAIN. mblg 2.7 (MDD).	
10	19	28	42	4*	40	038	N	20	741	E	5	G			1	3	8	GREECE-ALBANIA BORDER REGION	
10	20	02	55	4	33	984	N	138	927	E	15	D	4	8	1	3	74	SOUTH OF HONSHU, JAPAN	
10	20	03	59	5	44	923	N	6	664	E	10	G			0	6	44	FRANCE. ML 2 6 (GEN). 2.6 (STR).	
10	20	12	54	2	36	622	N	106	394	E	48	*	3	9	1	2	16	WESTERN NEI MONGOL. CHINA	
10	20	15	10	7&	33	192	N	115	596	W	4						5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).	
10	20	26	04	3	37	814	N	21	103	E	10	G	4	4	1	4	97	SOUTHERN GREECE. ML 4.3 (TIR). 4.3 (TTG). 4.2 (ATH).	
a	10	20	40	58	9	9	821	N	83	622	W	20	D	5	3	1	3	256	COSTA RICA. Mw 5 8 (HRV) MD 5.2 (HDC). One person was killed, another died of a heart attack and at least nine people were injured in the Turrialba area. Damage occurred to homes and buildings at Cartago and Turrialba. Landslides blocked roads in the epicentral area. Felt throughout Costa Rica.
10	20	58	41	5%	31	074	S	67	754	W	10	G			0	9	6	SAN JUAN PROVINCE, ARGENTINA	
10	21	03	36	3	37	941	N	21	145	E	10	G			0	8	13	SOUTHERN GREECE. ML 3.2 (ATH).	
10	21	54	10	5	34	010	N	138	657	E	13	D	4	9	1	2	81	NEAR S. COAST OF HONSHU, JAPAN	
10	23	55	30	6*	33	930	N	138	724	E	28				1	2	17	SOUTH OF HONSHU, JAPAN	
11	00	25	15	5	41	948	N	142	399	E	67		4	7	1	0	79	HOKKAIDO, JAPAN REGION	
11	00	53	50	5?	9	02	S	108	72	W	10	G	4	8	1	2	22	CENTRAL EAST PACIFIC RISE	
11	01	06	04	5	59	064	N	145	363	W	10	G			0	8	30	GULF OF ALASKA. ML 2.6 (AEIC).	
11	01	41	46	9?	31	65	S	68	88	W	115	?			0	3	6	SAN JUAN PROVINCE, ARGENTINA	
11	02	01	48	2	41	595	N	20	798	E	6				1	0	49	ALBANIA. MD 3.6 (TTG). ML 3.5 (TIR). Felt (IV) at Mavrova, Yugoslavia.	
11	02	21	24	2	36	532	N	9	205	E	33	N	3	9	1	3	30	TUNISIA	
11	02	52	21	1&	57	974	N	153	541	W	45						69	KODIAK ISLAND REGION. <AEIC> ML 3.6 (AEIC).	
11	04	12	08	4%	33	091	S	70	446	W	93	?			0	3	9	CHILE-ARGENTINA BORDER REGION MD 3.4 (SAN).	
11	05	00	44	8&	34	763	N	117	496	W	1						27	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).	
11	05	03	46	9?	31	82	S	69	77	W	120	G			0	6	5	SAN JUAN PROVINCE, ARGENTINA	
11	05	58	03	6?	38	89	N	26	77	E	10	G			0	3	4	AEGEAN SEA. ML 2.7 (ISK).	
11	06	10	34	9*	51	270	N	15	726	E	10	G			1	3	9	POLAND. ML 3 5 (GRF)	
11	06	14	29	5?	51	68	N	16	29	E	10	G			0	6	7	POLAND. ML 3.3 (GRF)	
11	06	35	12	1	15	365	N	61	086	W	130		4	4	0	9	31	LEEWARD ISLANDS MD 4 1 (TRN)	
11	07	27	15	1%	18	005	N	66	810	W	33	N			0	5	8	PUERTO RICO REGION	
11	07	38	29	4?	27	10	N	54	88	E	33	N	4	1	1	7	5	SOUTHERN IRAN	
11	07	42	13	1	57	424	N	149	772	W	10	G	4	6	0	8	113	GULF OF ALASKA ML 4 2 (AEIC). 4 0 (PMR).	
11	07	45	14	4%	39	092	N	27	513	E	10	G			0	6	6	TURKEY. ML 2.7 (ISK)	
11	07	51	59	9?	38	93	N	24	28	E	10	G			0	8	4	AEGEAN SEA ML 3 4 (ATH)	
11	08	16	17	4%	31	330	S	68	873	W	100	G			0	0	5	SAN JUAN PROVINCE, ARGENTINA	
11	08	43	03	0*	7	340	S	126	035	E	29	D	5	0	1	3	21	BANDA SEA	
11	08	57	49	0	37	092	N	4	506	W	10	G			1	3	29	SPAIN mblg 3 7 (MDD). MD 3.3 (RBA). Felt (III) in the Antequera area.	
11	09	18	00	2%	26	195	S	28	165	E	5	G			0	3	7	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).	
11	09	31	53	6%	39	128	N	27	654	E	10	G			0	3	5	TURKEY. ML 2.7 (ISK)	
11	09	45	02	0&	34	138	N	116	603	W	2						12	SOUTHERN CALIFORNIA. <PAS-P> ML 2.9 (PAS), 2.6 (GS).	
11	09	50	39	7*	51	272	N	15	731	E	10	G			1	3	10	POLAND. ML 3 3 (GRF). 2.8 (CLL).	
11	10	33	32	9	41	097	N	20	160	E	12		3	6	1	2	54	ALBANIA. MD 4.0 (TTG). 3.9 (ATH). ML 3.6 (TIR).	
11	10	39	06	7&	44	433	N	112	575	W	4						19	EASTERN IDAHO. <BUT>. MD 3.0 (BUT).	
11	11	02	39	5?	28	32	S	66	71	W	197	?			0	1	8	CATAMARCA PROVINCE, ARGENTINA	
11	12	23	45	3*	33	876	N	138	843	E	13		4	3	1	2	29	SOUTH OF HONSHU, JAPAN	
11	12	32	35	2?	39	25	N	27	55	E	10	G			1	1	4	TURKEY. ML 2.6 (ISK).	
11	12	42	53	4?	39	235	N	27	691	E	10	G			0	7	5	TURKEY. ML 2.7 (ISK).	
11	12	56	18	9	41	034	N	20	099	E	9				1	3	28	ALBANIA. MD 3.5 (TTG). 3.3 (ATH). ML 3.1 (TIR).	
11	13	02	11	8?	44	48	N	7	36	E	5	G			0	5	4	NORTHERN ITALY. ML 1.4 (GEN).	
11	13	35	23	4&	63	090	N	142	851	W	90						64	CENTRAL ALASKA. <AEIC>.	
f	11	13	36	21	2	25	304	S	70	166	W	48	G	6	2	1	2	459	NEAR COAST OF NORTHERN CHILE. Mw 6.6 (GS). 6.6 (HRV). Ms 5.8 (BRK). Ma=2.5*10**19 Nm (PPT). Slight damage (VI) at Taltil. Felt (V) at Antofagasta, Chanaral, Copiapo, Mejillones and Sacaire; (IV) at Boquedano and Colamo; (III) at Caldera and Vallenar. Landslides occurred in the epicentral area. Depth from broadband displacement seismograms.
11	14	05	33	1	45	344	N	6	694	E	10	G			0	4	8	FRANCE. ML 2.4 (GEN).	
11	14	07	03	9?	40	68	N	30	17	E	5	G			1	1	4	TURKEY. ML 2.7 (ISK).	
11	14	30	33	6?	24	27	N	122	27	E	10	G	4	1	0	9	6	TAIWAN REGION. ML 3.8 (BJI).	
11	14	53	30	0%	39	678	N	29	402	E	10	G			0	8	7	TURKEY. ML 2.7 (ISK).	
11	15	11	42	6	32	107	S	69	803	W	120	G			0	6	17	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN).	
11	15	15	23	3	31	423	N	103	958	E	10	G	4	5	1	5	25	SICHUAN, CHINA. ML 4.5 (BJI).	
11	15	22	36	3?	40	49	N	28	06	E	5	G			0	4	4	TURKEY ML 2.6 (ISK).	
11	15	58	22	9*	33	851	N	138	786	E	33	N	4	1	1	2	17	SOUTH OF HONSHU, JAPAN	
11	16	26	39	4*	72	365	N	1	538	E	10	G	4	6	1	5	19	NORWEGIAN SEA	
11	16	43	11	9?	39	82	N	27	30	E	10	G			0	7	4	TURKEY. ML 2.7 (ISK).	
11	16	47	23	2?	41	22	N	28	93	E	5	G			0	0	4	TURKEY. ML 2.6 (ISK).	
a	11	17	48	11	0	47	626	N	154	156	E	28	D	5	6	0	9	379	KURIL ISLANDS. Mw 5.8 (HRV). Ms 4.9 (BRK).
11	18	01	50	5%	46	404	N	2	245	E	10	G			0	7	8	FRANCE	
11	18	31	31	6	40	871	N	21	564	E	10	G			0	5	6	GREECE	
11	20	09	38	4	23	176	S	67	995	W	133	D	5	4	1	0	137	CHILE-ARGENTINA BORDER REGION	
11	20	11	15	3%	37	027	N	4	510	W	10	G			0	8	9	SPAIN mblg 2.7 (MDD).	
11	20	30	11	6	37	438	S	176	404	E	239		4	9	1	1	56	NORTH ISLAND, NEW ZEALAND	

11	20	40	51	5%	27	935	S	26.710	E	5	G			0	6	6	REPUBLIC OF SOUTH AFRICA	ML 2 5 (PRE)		
11	21	58	03.97	11	58	N	86.51	W	35	D	4	4	0	9	15		NEAR COAST OF NICARAGUA			
11	22	06	21.7%	46	685	N	1.547	E	10	G			0	4	8		FRANCE			
11	22	29	31.9%	38	967	S	175.178	E	188	*			0	6	37		NORTH ISLAND NEW ZEALAND			
11	22	49	26.87	71	98	N	2	53	E	10	G	4	5	1	5	12		NORWEGIAN SEA		
11	23	19	50.8%	41	847	N	12.771	E	10	G			0	2	5		SOUTHERN ITALY			
11	23	26	09.4%	44	397	N	7.355	E	5	G			0	2	5		NORTHERN ITALY	ML 1 5 (GEN).		
12	01	08	07.8	46	410	N	13.070	E	10	G			0	5	8		AUSTRIA. MD 2.8 (LJU)	ML 2.2 (VIE)		
12	01	28	42.6%	35	661	N	117.567	W	5				12		12		CENTRAL CALIFORNIA. <PAS-P>	ML 2 7 (PAS).		
12	01	41	17.77	44	38	N	7.31	E	10	G			0	2	4		NORTHERN ITALY. ML 1 2 (GEN)			
12	02	38	32.4	40	649	N	19.324	E	10	G			1	5	27		ALBANIA. ML 3.0 (TIR), 2.8 (TTG).			
12	02	53	15.4*	35	254	N	2.306	W	10	G			1	4	22		STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).			
12	03	22	38.8	31	908	S	70.492	W	117	?			0	7	14		CHILE-ARGENTINA BORDER REGION	MD 3.8 (SAN).		
12	03	25	49.3?	31	99	S	68.13	W	110	G			0	4	6		SAN JUAN PROVINCE, ARGENTINA			
12	03	26	33.0?	36	53	N	7	69	W	10	G			1	4	6		STRAIT OF GIBRALTAR. mbLg 2 7 (MDD).		
12	03	32	58.9?	5	73	N	126.71	E	130	?	4	7	0	5	5		MINDANAO, PHILIPPINE ISLANDS			
12	03	56	58.6?	31	33	S	68.60	W	100	G			0	4	5		SAN JUAN PROVINCE, ARGENTINA			
12	03	59	49.0?	35	87	N	141	58	E	33	N			0	3	6		NEAR EAST COAST OF HONSHU, JAPAN		
12	04	34	48	9	14	494	N	93	746	W	23	D	4	2	1	1	25		NEAR COAST OF CHIAPAS, MEXICO	MD 4 9 (GCG)
12	04	45	26.2?	31	59	S	69.34	W	120	G			0	8	5		SAN JUAN PROVINCE, ARGENTINA			
12	04	46	10.9?	52	91	N	159.74	E	33	N	4	4	1	7	6		OFF EAST COAST OF KAMCHATKA			
12	04	48	20.8	36	035	N	79.823	W	5	G			0	7	10		NORTH CAROLINA. mbLg 2.7 (GS).	Felt (IV) at Greensboro.		
12	05	01	38	8*	47	733	N	17.588	E	10	G			1	1	10		HUNGARY. ML 3.0 (VIE), 2.5 (BRA)		
o	12	05	05	31.3	72	175	N	1.071	E	10	G	5	1	4	9	1	167		NORWEGIAN SEA. Mw 5.3 (HRV). Ms 4 8 (BRK).	
12	05	26	55	7?	10	68	N	67.32	W	10	G			0	1	4		NEAR COAST OF VENEZUELA		
12	06	08	03	2%	33	413	S	70.848	W	74	?			0	3	9		CHILE-ARGENTINA BORDER REGION	MD 3 4 (SAN)	
12	06	40	08	5*	72	299	N	1.230	E	10	G	4	4	1	6	11		NORWEGIAN SEA		
12	06	59	58	3%	39	077	N	27.786	E	10	G			0	7	6		TURKEY. ML 2.7 (ISK).		
12	07	15	47.3%	49	559	N	119	721	W	5	G			40				BRITISH COLUMBIA, CANADA. <PGC-P>	ML 2.5 (PGC). Felt at Kelowna, Maramata, Penticton and Summerland.	
12	07	18	37.3?	39	64	N	29.49	E	10	G			1	0	4		TURKEY. ML 2.6 (ISK).			
12	07	23	38.7%	59	989	N	151.777	W	61				67				KENAI PENINSULA, ALASKA. <AEIC>.	ML 3 0 (AEIC).		
12	07	26	44.5?	28	40	S	71.86	W	33	N			1	4	8		NEAR COAST OF CENTRAL CHILE			
12	07	54	06.1?	9	71	S	128.73	E	33	N	5	2	1	3	14		TIMOR SEA			
12	08	02	45.1*	24	045	S	66.818	W	226	?			1	1	8		SALTA PROVINCE, ARGENTINA			
12	08	04	21.0*	12	962	N	88.695	W	33	N	4	8	1	5	46		OFF COAST OF CENTRAL AMERICA			
12	08	10	14.9?	41	23	N	28	40	E	10	G			0	1	5		TURKEY. ML 2.7 (ISK).		
12	08	20	39.0%	42	492	N	12.732	E	10	G			1	0	6		CENTRAL ITALY			
12	08	25	10.0*	72	083	N	1.311	E	10	G	4	2	1	2	6		NORWEGIAN SEA			
12	08	28	59	1*	14	856	S	51.362	W	33	N			1	5	6		BRAZIL. Slight damage (VII) in the states of Goias and Mato Grosso.		
12	08	43	36	8%	31	485	S	67.747	W	10	G			0	6	6		SAN JUAN PROVINCE, ARGENTINA		
12	08	44	15.1?	39	14	N	27	69	E	10	G			0	5	4		TURKEY. ML 2.7 (ISK).		
12	09	01	43	0?	40	89	N	30.59	E	10	G			0	3	5		TURKEY. ML 2.8 (ISK)		
12	09	02	15	4?	63	97	N	8	81	E	10	G		1	3	5		SOUTHERN NORWAY	MD 2 8 (BER).	
12	09	43	38.9%	31	316	S	68	025	W	93	?			0	6	7		SAN JUAN PROVINCE, ARGENTINA		
12	10	00	02.1?	38	88	N	24	32	E	10	G			0	7	4		AEGEAN SEA		
12	10	02	32	3%	39	109	N	27	557	E	10	G		0	2	6		TURKEY. ML 2.7 (ISK)		
12	10	05	19.5%	39	130	N	27	607	E	10	G			0	5	5		TURKEY. ML 2.7 (ISK).		
12	10	31	04.7%	39	094	N	27	539	E	10	G			0	6	6		TURKEY. ML 2.7 (ISK).		
12	10	46	25	1?	45	29	N	6	50	E	10	G		0	2	7		FRANCE		
12	11	00	38.4?	39	62	N	29.50	E	10	G			0	2	4		TURKEY. ML 2.6 (ISK)			
12	11	34	17.5?	45	31	N	6	49	E	10	G			0	4	5		FRANCE		
12	11	35	13.9%	39	208	N	27.455	E	10	G			0	2	5		TURKEY. ML 2.7 (ISK).			
12	12	04	37.7?	18	21	S	167	29	E	33	N			0	9	4		VANUATU ISLANDS		
12	12	10	41.7%	26	266	S	27.723	E	5	G			0	8	6		REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).			
12	12	12	26.3?	45	37	N	5	45	E	10	G			0	2	6		FRANCE		
12	12	15	08.5	59	188	N	144.911	W	10	G			0	8	32		GULF OF ALASKA. ML 2.7 (AEIC), 2.3 (PGC).			
12	12	16	47.4*	19	285	N	148	844	E	26	D	4	5	4	1	0	8		MARIANA ISLANDS REGION	
12	12	42	14.7?	39	05	N	27.92	E	10	G			0	6	4		TURKEY. ML 2.6 (ISK).			
12	12	58	20.9%	39	664	N	29	457	E	10	G			0	8	5		TURKEY. ML 2.7 (ISK).		
12	13	02	39.2?	39	05	N	27.78	E	10	G			0	9	4		TURKEY. ML 2.8 (ISK).			
12	13	15	36.8%	34	538	S	70.373	W	10	G			0	4	10		CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).			
f	12	13	17	11.9	42	851	N	139.197	E	17	G	6	6	7	6	1	762		HOKKAIDO, JAPAN REGION. Mw 7.3 (GS), 7.7 (HRV). Ms 7.3 (BRK). Ma=1.0*10**21 Nm (PPT). At least 200 people were killed and 39 missing in the Hokkaido region, including at least 165 killed on Okushiri. One person on a fishing boat was killed off Aomori, Honshu. Three people were missing from the southeast coast of Russia. Severe damage (V JMA) was caused by the earthquake and accompanying fires, landslides and tsunami in southwestern Hokkaido. 540 houses were destroyed and 1,834 others were damaged. Approximately 600 fishing boats were damaged or lost off western Japan, southeastern Russia and South Korea. Tsunami wave heights as high as 30.6 meters was reported along the southwest coast of Okushiri Island, 10 meters along the west coast of Hokkaido, 3 meters at Nakhodka, Russia, 2 meters along the northeast coast of South Korea and nearly 1 meter at Aomori, Honshu. The tsunami affected much of the southeastern coast of Russia and also caused damage to a factory at Kamenka, Sakhalin Island. Two events about 2.7 seconds apart. Depth from broadband displacement seismograms, based on second event.	
12	13	19	59.0*	14	248	N	93.014	W	33	D	4	1	1	4	18		NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG).			
12	13	35	43.3*	42	529	N	139.514	E	33	N	5	1	1	3	32		HOKKAIDO, JAPAN REGION			
12	13	43	01.6	42	924	N	139.445	E	33	N	5	0	0	9	34		HOKKAIDO, JAPAN REGION			
12	14	01	48.0	43	093	N	139.308	E	33	N	5	1	1	0	111		EASTERN SEA OF JAPAN			
12	14	03	05.6?	34	81	S	71.09	W	100	G			0	2	6		NEAR COAST OF CENTRAL CHILE			
12	14	04	25.0	42	986	N	139.430	E	33	N	5	4	0	9	188		HOKKAIDO, JAPAN REGION			
12	14	05	17.7	42	082	N	139	167	E	33	N	5	6	0	8	145		HOKKAIDO, JAPAN REGION		
12	14	09	05.8	43	024	N	139.313	E	33	N	5	2	1	0	116		EASTERN SEA OF JAPAN			

12	14	18	25.8	42.378	N	139.135	E	33	N	4.6	1.1	34	HOKKAIDO, JAPAN REGION	
12	14	22	49.0	42.547	N	139.385	E	27	D	5.2	0.9	146	HOKKAIDO, JAPAN REGION	
12	14	27	20.3	43.197	N	138.803	E	19	D	4.9	1.4	27	EASTERN SEA OF JAPAN	
12	14	29	52.2	42.208	N	139.277	E	33	N	4.6	1.4	20	HOKKAIDO, JAPAN REGION	
12	14	45	05.5	43.124	N	139.183	E	33	N	6.0	6.3	1.1	496	EASTERN SEA OF JAPAN
12	14	52	30.8	42.821	N	139.255	E	19	D	4.7	1.1	50	HOKKAIDO, JAPAN REGION	
12	15	00	40.5?	42.01	N	139.70	E	33	N	4.2	1.0	10	HOKKAIDO, JAPAN REGION	
12	15	04	31.6?	18.85	N	145.45	E	230	*	4.1	0.7	11	MARIANA ISLANDS	
12	15	07	53.5	42.522	N	139.449	E	27	D	4.6	1.0	37	HOKKAIDO, JAPAN REGION	
12	15	10	56.5?	41.77	N	138.88	E	33	N	4.5	0.7	7	EASTERN SEA OF JAPAN	
12	15	15	11.6?	42.63	N	139.24	E	33	N	4.1	1.6	12	HOKKAIDO, JAPAN REGION	
12	15	15	22.3	41.867	N	139.327	E	33	N	4.8	1.6	17	HOKKAIDO, JAPAN REGION	
12	15	20	06.6	42.016	N	139.342	E	33	N	4.4	1.1	22	HOKKAIDO, JAPAN REGION	
12	15	24	31.1	59.607	N	146.258	W	10	G			40	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).	
12	15	25	28.5	41.863	N	139.510	E	33	N	4.7	1.2	58	HOKKAIDO, JAPAN REGION	
12	15	31	12.5	42.925	N	139.470	E	33	N	4.0	1.2	8	HOKKAIDO, JAPAN REGION	
12	15	32	17.0	42.652	N	139.197	E	33	N	4.9	1.0	106	HOKKAIDO, JAPAN REGION	
12	15	35	22.1	42.898	N	139.042	E	19	D	4.8	1.0	65	HOKKAIDO, JAPAN REGION	
12	15	41	02.0	43.030	N	139.156	E	29	D	4.6	1.2	41	EASTERN SEA OF JAPAN	
12	15	42	07.2	32.128	S	67.964	W	33	N		1.5	6	MENDOZA PROVINCE, ARGENTINA	
12	15	59	43.8	42.794	N	139.201	E	33	N	4.1	0.9	10	HOKKAIDO, JAPAN REGION	
12	16	01	07.1	42.825	N	139.288	E	29	D	6.0	5.9	1.1	507	HOKKAIDO, JAPAN REGION
12	16	15	34.8	42.043	N	139.171	E	33	N	4.3	1.2	8	HOKKAIDO, JAPAN REGION	
12	16	17	15.8	26.900	S	26.745	E	5	G		0.2	5	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).	
12	16	36	07.6	41.864	N	139.270	E	33	N	4.3	1.2	17	HOKKAIDO, JAPAN REGION	
12	16	37	36.7?	8.27	S	111.41	E	158	?	4.8	1.5	19	JAWA, INDONESIA	
12	16	41	06.4	59.602	N	146.259	W	10	G			80	GULF OF ALASKA. <AEIC>. ML 3.4 (AEIC).	
12	16	45	51.2	62.371	N	151.097	W	84				63	CENTRAL ALASKA. <AEIC>.	
12	17	13	21.5?	42.85	N	138.98	E	33	N	4.2	1.1	6	EASTERN SEA OF JAPAN	
12	17	26	08.2	59.653	N	146.228	W	0	G			38	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).	
12	17	27	26.3?	42.33	N	138.89	E	33	N	4.0	0.3	5	EASTERN SEA OF JAPAN	
12	17	28	20.0	46.046	N	14.229	E	10	G		0.7	5	NORTHWESTERN BALKAN REGION. MD 2.4 (LUJ). ML 2.0 (VIE).	
12	17	32	02.2	31.432	S	69.115	W	123	?		0.5	7	SAN JUAN PROVINCE, ARGENTINA	
12	17	34	04.3?	42.24	N	139.14	E	33	N	3.7	1.4	5	HOKKAIDO, JAPAN REGION	
12	17	58	58.2	42.251	N	138.734	E	33	N	4.3	0.7	7	EASTERN SEA OF JAPAN	
12	18	07	54.0	42.289	N	139.239	E	33	N	4.6	4.4	1.3	57	HOKKAIDO, JAPAN REGION
12	18	10	56.2	42.770	N	139.322	E	18	D	4.8	1.0	69	HOKKAIDO, JAPAN REGION	
12	18	14	21.4	42.071	N	139.211	E	33	N	4.2	1.2	8	HOKKAIDO, JAPAN REGION	
12	18	17	20.8	43.043	N	139.286	E	25	D	5.0	1.0	153	EASTERN SEA OF JAPAN	
12	18	26	00.5	43.061	N	139.456	E	22	D	4.7	1.0	82	EASTERN SEA OF JAPAN	
12	18	34	30.1	9.357	S	157.352	E	22	D	5.0	1.2	38	SOLOMON ISLANDS	
12	18	42	25.2	52.048	N	166.393	W	10	G	5.1	1.2	182	FOX ISLANDS, ALEUTIAN ISLANDS	
12	18	47	17.5	43.150	N	139.397	E	18	D	4.3	0.9	13	EASTERN SEA OF JAPAN	
12	18	55	14.4?	42.29	N	138.74	E	33	N	4.3	0.3	5	EASTERN SEA OF JAPAN	
12	19	22	40.3	13.805	N	91.684	W	33	N	4.5	0.9	30	NEAR COAST OF GUATEMALA	
12	19	26	52.2?	42.52	N	139.45	E	33	N	4.2	1.7	10	HOKKAIDO, JAPAN REGION	
12	19	31	18.7?	42.15	N	139.29	E	33	N	3.6	1.5	4	HOKKAIDO, JAPAN REGION	
12	19	40	30.3?	31.79	S	70.00	W	120	G		0.5	5	SAN JUAN PROVINCE, ARGENTINA	
12	19	50	07.6	43.476	N	139.509	E	33	N	4.0	1.5	5	EASTERN SEA OF JAPAN	
12	20	07	00.1	42.288	N	139.131	E	33	N	4.2	1.5	9	HOKKAIDO, JAPAN REGION	
12	20	16	53.4?	42.84	N	139.01	E	33	N	4.0	1.2	4	HOKKAIDO, JAPAN REGION	
12	20	19	33.1?	34.85	N	26.70	E	10	G		0.1	5	CRETE. ML 3.9 (CSS). MD 3.8 (ATH).	
12	20	22	08.6?	42.94	N	137.95	E	33	N	4.1	0.8	7	EASTERN SEA OF JAPAN	
12	20	29	47.0	24.233	S	66.981	W	229	*		0.8	7	SALTA PROVINCE, ARGENTINA	
12	20	49	54.1	42.557	N	139.289	E	22	D	4.4	1.4	30	HOKKAIDO, JAPAN REGION	
12	20	54	43.7	43.092	N	139.395	E	33	N	3.9	1.4	13	EASTERN SEA OF JAPAN	
12	20	58	31.4?	26.93	S	26.85	E	5	G		0.2	4	REPUBLIC OF SOUTH AFRICA	
12	20	58	42.9	59.669	N	146.217	W	0	G			58	GULF OF ALASKA. <AEIC>. ML 3.4 (AEIC).	
12	20	59	37.4	40.212	N	26.928	E	10	G		0.8	7	TURKEY. ML 2.9 (ISK).	
12	21	11	51.2	42.756	N	139.199	E	20	D	4.2	1.2	23	HOKKAIDO, JAPAN REGION	
12	21	46	53.4	42.623	N	139.347	E	19	D	4.2	1.3	15	HOKKAIDO, JAPAN REGION	
12	21	49	55.5	44.419	N	7.228	E	5	G		0.4	7	NORTHERN ITALY. ML 2.0 (GEN).	
12	21	50	09.6?	42.74	N	139.44	E	33	N	3.7	0.9	5	HOKKAIDO, JAPAN REGION	
12	21	51	51.7?	44.42	N	7.23	E	5	G		0.0	4	NORTHERN ITALY. ML 1.4 (GEN).	
12	21	53	27.4	42.624	N	138.925	E	22	D	5.0	4.4	1.1	134	EASTERN SEA OF JAPAN
12	22	08	31.3?	40.24	N	26.94	E	5	G		1.0	4	TURKEY. ML 2.8 (ISK).	
12	22	13	24.2	28.270	N	56.979	E	33	N	4.4	0.8	26	SOUTHERN IRAN	
12	22	27	05.1	31.631	S	69.274	W	122	*		0.5	10	SAN JUAN PROVINCE, ARGENTINA	
12	22	34	17.3	43.126	N	139.502	E	33	N	4.3	1.5	14	EASTERN SEA OF JAPAN	
12	22	45	38.3	41.993	N	139.456	E	17	D	4.6	1.5	24	HOKKAIDO, JAPAN REGION	
12	22	46	17.8	42.587	N	139.064	E	21	D	4.8	4.5	1.4	47	HOKKAIDO, JAPAN REGION
12	23	12	16.4	26.355	S	27.595	E	5	G		1.4	5	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).	
12	23	52	58.2	41.873	N	139.325	E	18	D	5.2	4.8	0.9	211	HOKKAIDO, JAPAN REGION
13	00	33	27.9	42.053	N	139.522	E	33	N	4.2	1.0	15	HOKKAIDO, JAPAN REGION	
13	00	51	25.4	33.521	N	118.346	W	2				21	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS), 3.3 (GS).	
13	01	06	23.4?	31.43	S	68.56	W	100	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA	
13	01	16	53.3	42.821	N	139.361	E	33	N	4.5	4.3	1.6	27	HOKKAIDO, JAPAN REGION
13	01	16	54.6	33.525	N	118.363	W	1				16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.2 (GS)	
13	02	07	03.8	44.563	N	9.943	E	10	G		0.4	8	NORTHERN ITALY	
13	02	07	15.3	44.657	N	9.977	E	14			0.9	47	NORTHERN ITALY. ML 2.9 (VIE), 2.4 (STR).	
13	02	11	56.6	33.529	N	118.384	W	0				6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS).	
13	02	12	07.2	42.206	N	139.351	E	33	N	4.3	1.2	33	HOKKAIDO, JAPAN REGION	
13	02	13	09.1?	37.26	N	15.33	E	10	G		0.8	4	SICILY	
13	02	15	05.6	43.153	N	139.286	E	30	D	4.6	1.2	59	EASTERN SEA OF JAPAN	
13	02	19	48.6	42.617	N	139.269	E	33	N	4.6	0.9	50	HOKKAIDO, JAPAN REGION	
13	02	33	20.8	42.781	N	138.906	E	33	N	4.5	1.3	16	EASTERN SEA OF JAPAN	
13	02	35	01.7	43.109	N	139.530	E	33	N	3.9	1.7	12	EASTERN SEA OF JAPAN	
13	03	04	44.2	44.272	N	8.229	E	5	G		1.0	20	NORTHERN ITALY. ML 2.5 (GEN), 2.0 (STR).	
13	03	12	53.1	44.253	N	8.219	E	5	G		0.4	6	NORTHERN ITALY. ML 1.5 (GEN)	
13	03	18	58.5?	42.62	N	139.15	E	27	D	4.5	1.2	11	HOKKAIDO, JAPAN REGION	
13	03	19	27.6	39.091	N	22.318	E	10	G		0.7	16	GREECE MD 3.2 (ATH)	
13	03	35	23.5	44.287	N	8.185	E	5	G		0.7	9	NORTHERN ITALY ML 1.9 (GEN)	
13	03	56	47.9	40.776	N	27.504	E	10	G		0.6	5	TURKEY. ML 2.8 (ISK).	

13	04 04 22.3	44.257 N	8 276 E	5 G	0.8	24	NORTHERN ITALY ML 2.7 (GEN). 2 0 (STR)
13	04 09 48.8%	44 258 N	8.212 E	5 G	0.4	5	NORTHERN ITALY ML 1.4 (GEN).
13	04 15 51.4	44 274 N	8.217 E	5 G	0.6	14	NORTHERN ITALY ML 2.3 (GEN).
13	04 54 54.0?	21 00 S	178.21 W	500 G	4 6	1.3	17 FIJI ISLANDS REGION
13	04 58 12.1	11 689 N	87 064 W	49 D	4.7 4.9	1.3	66 NEAR COAST OF NICARAGUA Ms 4.8 (BRK).
13	04 58 39.1*	41.412 S	178.376 E	33 N	4 0	0.7	19 OFF E. COAST OF N ISLAND. N.Z ML 3.7 (WEL)
13	05 00 41.1	31 158 S	68.775 W	134 *	1.3	26	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN)
13	05 31 13.7*	41.934 N	139.340 E	33 N	4 1	1.2	9 HOKKAIDO, JAPAN REGION
13	05 38 10.7?	72.82 N	9.61 E	10 G	3.9	1.6	7 NORWEGIAN SEA
13	05 47 55.1?	42.07 N	139.56 E	33 N	3 8	1.6	7 HOKKAIDO, JAPAN REGION
13	06 04 34.0%	44.256 N	8.199 E	5 G	0.5	7	NORTHERN ITALY ML 1.6 (GEN).
13	06 32 59.3%	40 755 N	27.480 E	10 G	0.4	5	TURKEY ML 2.7 (ISK).
13	06 44 33.6?	31 61 S	69 43 W	129 ?	0.7	7	SAN JUAN PROVINCE, ARGENTINA
13	06 52 01.4*	41 842 N	139.835 E	33 N	4.3	1.3	12 HOKKAIDO, JAPAN REGION
13	06 55 42.3	42.116 N	139.407 E	13 D	4.6	1.3	47 HOKKAIDO, JAPAN REGION
13	07 14 32.5%	32.584 N	132.271 E	33 N	0.6	5	SHIKOKU, JAPAN
13	07 16 11.7?	32 50 S	68.55 W	100 G	0.2	4	MENDOZA PROVINCE, ARGENTINA
13	07 33 15.7%	33.516 N	118 374 W	6 G		12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
a 13	08 35 53.3	3 372 S	145 633 E	24 D	5.3 5 6	1.4	90 NEAR N COAST OF NEW GUINEA. PNG. Mw 5.8 (HRV) Ms 5.7 (BRK).
13	08 40 18.0?	39.11 N	27.82 E	10 G	0.8	4	TURKEY ML 2.7 (ISK).
13	09 03 20.7	42.311 N	139.073 E	22 D	4 9 5.2	1.0	121 HOKKAIDO, JAPAN REGION
13	09 14 37.7%	41.159 N	28.465 E	10 G	0.2	5	TURKEY ML 2.7 (ISK).
13	09 22 32.5?	39.03 N	27.60 E	10 G	0.0	4	TURKEY ML 2.6 (ISK).
13	09 38 41.5	42.546 N	139.022 E	22 D	4.7	1.3	71 HOKKAIDO, JAPAN REGION
13	09 44 31.0%	39.663 N	29 404 E	10 G	0.3	5	TURKEY ML 2.9 (ISK).
13	09 45 25.1%	39.097 N	27 770 E	10 G	1.1	5	TURKEY ML 2.8 (ISK).
13	09 53 22.2	44.226 N	8.258 E	5 G	0.8	36	NORTHERN ITALY ML 3.4 (GEN). 2.8 (STR).
13	09 55 51.9%	44.272 N	8.217 E	5 G	0.4	10	NORTHERN ITALY ML 2.1 (GEN).
13	09 59 26.1%	44 267 N	8.216 E	5 G	0.5	8	NORTHERN ITALY ML 2.2 (GEN).
13	10 08 03.4?	39 82 N	23.12 E	10 G	0.3	4	AEGEAN SEA
13	10 15 07.3	43.149 N	139.175 E	33 N	4 5	1.1	52 EASTERN SEA OF JAPAN
13	10 16 21.5%	44.292 N	8.182 E	5 G	1.0	5	NORTHERN ITALY ML 1.3 (GEN).
13	10 18 35.0%	44.255 N	8.221 E	5 G	0.5	5	NORTHERN ITALY ML 1.4 (GEN).
13	10 22 33.5	44.279 N	8.216 E	5 G	0.6	11	NORTHERN ITALY ML 2.1 (GEN).
13	10 38 05.7	42 174 N	139.209 E	33 N	4.5	1.4	50 HOKKAIDO, JAPAN REGION
13	10 50 46.7?	44.30 N	8.24 E	5 G	1.1	4	NORTHERN ITALY ML 1.2 (GEN).
13	10 51 18.5%	34 185 S	70 435 W	100 G	0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
13	10 58 32.9	44 252 N	8 226 E	5 G	0.6	21	NORTHERN ITALY ML 2.6 (GEN). 1.9 (STR)
13	11 04 34.7%	44 277 N	8 213 E	5 G	0.4	6	NORTHERN ITALY ML 1.5 (GEN).
13	11 04 41.5%	40 254 S	173 436 E	180 G	0.8	23	COOK STRAIT, NEW ZEALAND
13	11 11 17.0%	44 264 N	8.204 E	5 G	0.5	6	NORTHERN ITALY ML 1.5 (GEN).
13	11 14 35.0?	44 26 N	8 19 E	5 G	0.5	4	NORTHERN ITALY ML 1.4 (GEN).
13	11 14 53.0	22 203 S	170 257 E	33 N	5.0 4.5	1.1	42 LOYALTY ISLANDS REGION
13	11 19 34.2*	47 515 N	154 254 E	16 D	4.9	1.0	40 KURIL ISLANDS
13	11 29 50.6?	29 44 S	176 50 W	33 N	4.8 5.1	1.4	12 KERMADEC ISLANDS REGION
13	11 33 36.3	40 089 N	20.700 E	10 G	0.9	26	GREECE-ALBANIA BORDER REGION. MD 3.5 (ATH). ML 3.3 (TIR).
13	11 35 22.9?	39 61 N	29.43 E	10 G	0.6	4	TURKEY ML 2.6 (ISK).
13	11 44 01.3%	44.257 N	8.207 E	5 G	0.4	7	NORTHERN ITALY ML 1.6 (GEN)
13	11 55 42.0	59.424 N	144.645 W	10 G	0.4	27	GULF OF ALASKA ML 2.7 (AEIC). 2 6 (PGC).
13	11 56 17.1?	44.24 N	8.24 E	5 G	0.5	4	NORTHERN ITALY ML 1.4 (GEN).
13	12 14 57.0*	6.703 N	72.825 W	188 ?	4.2	1.0	9 NORTHERN COLOMBIA
13	12 21 08.2	23 160 S	176.876 W	193 D	4.6	1.2	30 SOUTH OF FIJI ISLANDS
13	12 26 14.6%	39.689 N	29.423 E	10 G	0.9	5	TURKEY ML 2 6 (ISK).
13	12 28 38.6	52.242 N	106.470 E	24 D	4.8	1.3	51 LAKE BAYKAL REGION, RUSSIA. Felt (V) at Baykal, Irkutsk, Kabansk, Kudara, Shigayeva and Sukhaya; (IV) at Barguzin, Maksimikha, Tyrgana and Ust-Barguzin; (II) at Ulan-Ude
13	12 29 00.0%	44 259 N	8.206 E	5 G	0.4	8	NORTHERN ITALY ML 1.9 (GEN).
13	12 29 24.0%	40.129 N	29.463 E	10 G	0.4	9	TURKEY ML 2.8 (ISK).
13	12 30 17.2?	44.27 N	8.21 E	5 G	0.8	4	NORTHERN ITALY ML 1.2 (GEN).
13	12 35 04.4	42.483 N	139.122 E	19 D	4.8	1.1	74 HOKKAIDO, JAPAN REGION
13	12 36 03.6%	39 643 N	29.444 E	10 G	0.5	5	TURKEY ML 2.7 (ISK).
13	12 36 25.5	42.954 N	139.363 E	28 D	5 0	1.0	93 HOKKAIDO, JAPAN REGION
13	12 40 44.0%	40.835 N	22.842 E	10 G	0.4	5	GREECE
13	12 41 11.5%	39.303 N	27.712 E	10 G	0.8	5	TURKEY ML 2.6 (ISK).
13	12 55 08.9%	44.346 N	6.755 E	10 G	0.3	8	FRANCE ML 1.9 (GEN).
13	12 59 32.2	45.542 N	6.941 E	5 G	0.2	7	FRANCE ML 2.2 (GEN).
13	13 31 14.9	58.134 N	142.627 W	10 G	0.7	42	GULF OF ALASKA ML 3.5 (PGC). 3 0 (AEIC).
13	13 48 52.4%	44.257 N	8.217 E	5 G	0.4	9	NORTHERN ITALY ML 1.8 (GEN).
13	13 48 53.4	44.251 N	8.239 E	5 G	0.5	21	NORTHERN ITALY ML 2.5 (GEN). 1.8 (STR).
13	14 00 57.0%	44.259 N	8.214 E	5 G	0.5	8	NORTHERN ITALY ML 1.9 (GEN).
13	14 08 04.6?	31.15 S	68.90 W	100 G	0.3	4	SAN JUAN PROVINCE, ARGENTINA
13	14 09 52.4%	44.262 N	8.204 E	5 G	0.4	8	NORTHERN ITALY ML 1 9 (GEN).
13	14 12 42.0%	44.286 N	8.173 E	5 G	0.8	5	NORTHERN ITALY ML 1.5 (GEN).
13	14 22 53.6	37.032 N	55.310 E	26 D	4.6	1.1	41 TURKMENISTAN-IRAN BORDER REGION. ML 4.6 (TEH). Felt at Tarud, Iran.
13	14 48 50.2?	44.24 N	8.23 E	5 G	0.6	4	NORTHERN ITALY ML 1.4 (GEN).
13	14 49 56.6?	41.87 N	139.35 E	33 N	1.5	4	HOKKAIDO, JAPAN REGION
13	15 04 39.6?	47.28 N	11.56 E	5 G	0.2	4	AUSTRIA ML 0.8 (VIE).
13	15 10 11.8	9.704 N	83.615 W	18 D	4.6 5.2	1.0	75 COSTA RICA MD 4.9 (UPA), 4.7 (HDC). Felt in much of Costa Rica.
13	15 25 20.0	42.853 N	139.329 E	24 D	5 0	1.0	140 HOKKAIDO, JAPAN REGION
13	15 41 18.6?	44.24 N	8.24 E	5 G	0.7	4	NORTHERN ITALY ML 1.4 (GEN).
13	15 45 16.6%	61.456 N	150.818 W	51		60	SOUTHERN ALASKA <AEIC> ML 2.6 (AEIC).
13	16 03 50.8%	34.600 N	116.266 W	0		9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
13	16 11 07.4	44.215 N	8.311 E	6	0.6	29	NORTHERN ITALY ML 3.1 (GEN). 2.4 (STR).
13	16 21 56.2*	51.602 N	16.165 E	10 G	0.4	11	POLAND ML 3.5 (GRF). 3 5 (VIE). 3 2 (CLL).
13	16 25 59.2%	40.214 N	26.965 E	5 G	0.6	5	TURKEY ML 2.7 (ISK).
13	16 28 52.7?	44 26 N	8 21 E	5 G	0.4	4	NORTHERN ITALY ML 1.3 (GEN).
13	16 38 00.7%	33 147 S	70 287 W	10 G	0.1	6	CHILE-ARGENTINA BORDER REGION MD 3.6 (SAN).
13	17 27 50.3	42 190 N	138.957 E	29 D	4 9	1.2	127 EASTERN SEA OF JAPAN

13	17	57	57	2%	44.265 N	8.198 E	5 G	0 5	8	NORTHERN ITALY. ML 1 9 (GEN)	
13	18	04	28	2%	59.491 N	138.888 W	10 G		9	SOUTHEASTERN ALASKA. <PGC-P>. ML 2 4 (PGC), 2 5 (AEIC).	
13	18	14	08	9%	31.632 S	68.442 W	111 ?	1 5	11	SAN JUAN PROVINCE, ARGENTINA	
13	18	15	22	7%	44.249 N	8.256 E	5 G	0 5	7	NORTHERN ITALY. ML 1 8 (GEN).	
13	18	25	52	1	47.701 N	154.032 E	24 D	4 7	0 9	48	KURIL ISLANDS
13	18	41	12	5?	42.61 N	138.57 E	33 N	4 2	1 2	6	EASTERN SEA OF JAPAN
13	18	43	59	8%	31.323 S	68.642 W	107 *		0 5	8	SAN JUAN PROVINCE, ARGENTINA
13	18	46	49	2?	44.27 N	8.21 E	5 G		0 4	4	NORTHERN ITALY. ML 1 5 (GEN).
13	19	15	21	0?	31.02 S	68.43 W	100 G		0 2	4	SAN JUAN PROVINCE, ARGENTINA
13	19	17	37	2?	31.30 S	68.39 W	100 G		0 9	4	SAN JUAN PROVINCE, ARGENTINA
13	19	20	26	2	41.907 N	139.357 E	33 N	4 4	0 8	16	HOKKAIDO, JAPAN REGION
13	19	21	26	0%	40.207 N	26.931 E	10 G		0 7	5	TURKEY. ML 2.8 (ISK).
13	20	27	01	7?	42.05 N	139.61 E	33 N	4 3	0 7	7	HOKKAIDO, JAPAN REGION
13	20	45	59	4%	44.271 N	8.199 E	5 G		0 4	7	NORTHERN ITALY. ML 1.9 (GEN).
13	20	57	31	1?	43.62 N	11.09 E	10 G		0 4	4	CENTRAL ITALY
13	21	01	23	8%	44.264 N	8.205 E	5 G		0 4	7	NORTHERN ITALY. ML 1 8 (GEN)
13	21	02	57	3%	44.263 N	8.228 E	5 G		0 4	8	NORTHERN ITALY. ML 1.9 (GEN)
13	21	42	19	3	40.582 N	19.473 E	10 G		1 2	23	ALBANIA. MD 3.2 (ATH) ML 3 0 (TIR)
13	21	50	55	6?	6.71 N	125.76 E	33 N		1 5	4	MINDANAO, PHILIPPINE ISLANDS
13	21	52	17	3?	26.44 S	27.39 E	5 G		0 8	4	REPUBLIC OF SOUTH AFRICA. ML 2 3 (PRE).
13	22	43	24	1?	16.30 N	94.45 W	33 N	4 5	0 4	21	OAXACA, MEXICO
13	22	50	47	9*	41.956 N	139.062 E	33 N	4 3	1 1	19	HOKKAIDO, JAPAN REGION
13	23	01	19	1%	35.694 N	120.836 W	6			8	CENTRAL CALIFORNIA <GM-P>. MD 2.9 (GM). ML 2.8 (PAS)
13	23	19	18	8%	31.201 S	68.267 W	100 G		0 4	6	SAN JUAN PROVINCE, ARGENTINA
13	23	26	40	4?	41.97 N	139.32 E	33 N	4 4	1 3	7	HOKKAIDO, JAPAN REGION
13	23	26	59	9?	34.11 S	72.00 W	33 N		0 3	9	NEAR COAST OF CENTRAL CHILE MD 3 9 (SAN).
13	23	30	17	5*	44.337 N	7.341 E	5 G		0 1	9	NORTHERN ITALY. ML 1.2 (STR).
13	23	31	20	3*	42.697 S	42.192 E	10 G	5 1 5 0	1 2	35	PRINCE EDWARD ISLANDS REGION
14	01	41	45	4	29.004 N	129.313 E	27 D	4 7 4 9	1 4	60	RYUKYU ISLANDS
14	01	43	20	4%	32.835 S	70.586 W	33 N		0 9	6	CHILE-ARGENTINA BORDER REGION MD 3 3 (SAN).
14	01	48	25	7%	44.852 S	167.613 E	140 G		0 8	18	SOUTH ISLAND, NEW ZEALAND
14	02	23	32	7	10.750 N	87.011 W	28 D	4 9	1 1	93	OFF COAST OF COSTA RICA
14	02	29	48	0	37.209 N	20.929 E	33 N		1 2	19	IONIAN SEA. MD 3.8 (ATH).
14	02	44	00	6	44.242 N	8.259 E	5 G		0 5	13	NORTHERN ITALY. MD 2.3 (GEN). ML 2 3 (LDG).
14	02	51	13	0*	50.457 N	18.864 E	10 G		1 1	9	POLAND. ML 3.3 (WAR).
14	03	20	16	9?	6.53 N	126.52 E	33 N	3 7	1 3	5	MINDANAO, PHILIPPINE ISLANDS
14	03	29	08	3?	42.77 N	12.97 E	10 G		0 0	4	CENTRAL ITALY
14	03	58	34	7	40.209 N	26.952 E	5 G		0 3	10	TURKEY. MD 3.5 (ATH). ML 3.2 (ISK).
14	04	49	36	5	23.144 N	93.888 E	69 D	4 7	1 1	70	MYANMAR-INDIA BORDER REGION
14	05	24	39	3*	54.704 N	159.684 W	33 N	4 0	1 0	19	SOUTH OF ALASKA
14	05	50	02	6%	42.764 N	13.022 E	10 G		0 8	5	CENTRAL ITALY
14	06	28	04	3%	59.303 N	152.970 W	97			49	SOUTHERN ALASKA. <AEIC>.
14	06	32	28	2*	47.115 N	10.187 E	10 G		0 4	9	AUSTRIA. ML 2.7 (LDG), 2.6 (VIE), 2 6 (FUR).
14	06	44	24	2*	41.927 N	139.413 E	14 D	4 4	1 5	24	HOKKAIDO, JAPAN REGION
14	06	50	33	9?	42.38 N	139.27 E	33 N		0 1	4	HOKKAIDO, JAPAN REGION
14	06	56	11	5?	21.85 S	69.14 W	120 G		0 9	5	NORTHERN CHILE
14	07	01	59	9%	44.247 N	8.231 E	5 G		0 4	6	NORTHERN ITALY. ML 1.7 (GEN).
14	07	05	44	0	32.092 S	69.759 W	119		0 8	24	MENDOZA PROVINCE, ARGENTINA. MD 4.4 (SAN).
14	07	13	59	4%	33.960 N	116.397 W	8			11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.7 (GS). Felt in the Palm Springs area.
14	07	57	41	6%	57.187 N	157.113 W	6			12	ALASKA PENINSULA. <AEIC>. ML 3.1 (AEIC).
14	08	18	30	5	42.953 N	139.456 E	33 N	4 3	1 2	23	HOKKAIDO, JAPAN REGION
14	08	22	44	8?	32.33 N	82.61 E	33 N	4 4	0 9	11	XIZANG. MD 3.7 (NDI).
14	08	39	38	2%	44.183 N	8.309 E	5 G		0 2	6	NORTHERN ITALY. ML 1.9 (GEN).
14	08	39	54	2	43.024 N	139.211 E	17 D	4 6	1 2	35	EASTERN SEA OF JAPAN
14	08	42	24	3*	43.016 N	139.232 E	18 D	4 5	1 2	23	EASTERN SEA OF JAPAN
14	09	14	09	5?	39.29 N	27.71 E	10 G		1 1	4	TURKEY. ML 2.6 (ISK).
14	09	26	22	7%	42.876 N	13.402 E	10 G		1 5	7	CENTRAL ITALY
14	09	33	37	4%	39.130 N	27.559 E	10 G		0 3	5	TURKEY. ML 2.7 (ISK).
14	09	53	20	3*	42.136 N	139.469 E	33 N	4 3	1 3	16	HOKKAIDO, JAPAN REGION
14	10	09	09	2*	7.278 S	128.403 E	149 ?	4 5	1 3	12	BANDA SEA
14	10	51	43	0%	39.168 N	27.508 E	10 G		0 2	5	TURKEY. ML 2.8 (ISK).
14	10	55	22	3	72.317 N	1.614 E	10 G	4 4	1 2	41	NORWEGIAN SEA
14	11	05	39	8%	58.918 N	153.658 W	91			42	KODIAK ISLAND REGION. <AEIC>.
14	11	32	44	6?	39.61 N	29.40 E	10 G		0 9	4	TURKEY. ML 2.7 (ISK).
14	11	39	58	3%	44.264 N	8.211 E	5 G		0 5	8	NORTHERN ITALY. ML 2.0 (GEN).
14	12	03	51	4%	61.971 N	152.264 W	141			85	SOUTHERN ALASKA. <AEIC>.
14	12	29	42	1%	44.267 N	8.212 E	5 G		0 5	8	NORTHERN ITALY. ML 1.9 (GEN).
a 14	12	31	49	4	38.224 N	21.756 E	23 D	5 3 5 5	1 3	412	GREECE. Mw 5.6 (HRV). MD 5.5 (VIE), 5.2 (HLW), 5.0 (ATH). ML 4.9 (TIR), 4.8 (THE). At least five people were injured and 200 buildings were damaged at Patros. Felt as far as Attiki Province.
14	12	39	13	0	38.177 N	21.638 E	10 G	4 2	1 3	42	GREECE. MD 4.3 (TTG), 4.2 (ATH). ML 4.0 (THE).
14	12	51	34	6	38.091 N	21.771 E	10 G		1 3	12	GREECE. MD 3.6 (ATH)
14	12	54	07	1	38.206 N	21.684 E	10 G	3 8	1 2	42	GREECE. ML 4.3 (TIR), 3.9 (THE). MD 3.9 (ATH).
14	12	58	35	0*	44.434 N	7.423 E	10 G		0 5	7	NORTHERN ITALY. ML 2.2 (LDG).
14	12	59	36	0%	44.289 N	8.206 E	5 G		1 0	8	NORTHERN ITALY. ML 1.9 (GEN).
14	13	02	35	9%	60.916 N	151.559 W	67			64	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC)
14	13	11	48	4?	58.17 N	6.56 E	5 G		1 4	7	SOUTHERN NORWAY. MD 2.6 (BER).
14	13	14	56	0%	33.608 S	70.899 W	72 ?		0 2	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
14	13	21	06	7?	44.26 N	8.18 E	5 G		0 6	4	NORTHERN ITALY. ML 1.0 (GEN).
14	13	24	01	4%	44.261 N	8.189 E	5 G		0 5	7	NORTHERN ITALY. ML 1.4 (GEN).
14	13	31	36	6%	39.133 N	27.532 E	10 G		0 2	5	TURKEY. ML 2.7 (ISK).
14	13	51	30	3	47.507 N	7.691 E	10 G		0 4	8	SWITZERLAND. ML 2.4 (LDG), 1.8 (STR).
14	14	37	54	3?	39.20 N	36.88 E	10 G		0 1	4	TURKEY. MG 2.5 (DDA).
14	15	11	40	7	44.232 N	8.271 E	5 G		0 9	54	NORTHERN ITALY. ML 3.6 (GEN), 3 4 (LDG), 2.9 (STR).
14	15	12	00	4%	44.247 N	8.220 E	5 G		0 6	6	NORTHERN ITALY. ML 1.8 (GEN).
14	15	12	18	4	52.144 N	170.663 W	74	4 8	1 0	108	FOX ISLANDS, ALEUTIAN ISLANDS
14	15	17	05	6%	44.263 N	8.209 E	5 G		0 6	8	NORTHERN ITALY. ML 1.9 (GEN)
14	15	17	41	0%	44.264 N	8.193 E	5 G		0 6	7	NORTHERN ITALY. ML 1.7 (GEN).
14	15	18	13	6%	44.249 N	8.230 E	5 G		0 5	6	NORTHERN ITALY. ML 1.2 (GEN).
14	15	18	33	6%	44.238 N	8.240 E	5 G		0 4	6	NORTHERN ITALY. ML 1 4 (GEN)
14	15	20	04	0%	44.254 N	8.215 E	5 G		0 5	7	NORTHERN ITALY. ML 1.9 (GEN).

14	15	23	54	4%	44	253	N	8	202	E	5	G	0	5	6	NORTHERN ITALY. ML 1 8 (GEN).	
14	15	27	32.5%	39	28	N	27.69	E	10	G	0	5	4	4	TURKEY ML 2.7 (ISK).		
14	15	33	14	8%	44	25	N	8.23	E	10	G	0	4	4	4	NORTHERN ITALY. ML 1.3 (GEN).	
14	15	34	29	9%	44	24	N	8.21	E	10	G	0	4	4	4	NORTHERN ITALY. ML 1.4 (GEN).	
14	15	38	56	6%	42	16	N	138	90	E	33	N	4.1	1	3	4	EASTERN SEA OF JAPAN
14	15	43	00	9%	44	264	N	8.207	E	5	G	0	6	7	9	NORTHERN ITALY. ML 1.6 (GEN).	
14	15	44	44	4	44	267	N	8.215	E	5	G	0	4	9	9	NORTHERN ITALY. ML 2.2 (LDG). 2 1 (GEN).	
14	15	52	48	6%	44	261	N	8.224	E	5	G	0	7	6	6	NORTHERN ITALY. ML 1.6 (GEN).	
14	16	06	50	3%	44	28	N	8.22	E	5	G	0	4	4	4	NORTHERN ITALY. ML 1.3 (GEN).	
14	16	10	33	8%	41	79	N	139.11	E	33	N	4.2	0	2	6	HOKKAIDO, JAPAN REGION	
14	16	12	48	0%	44	263	N	8.186	E	5	G	0	6	7	7	NORTHERN ITALY. ML 1.6 (GEN).	
14	16	27	15.0	38	137	N	21.569	E	10	G	3.2	0	9	7	7	GREECE. MD 3.3 (ATH).	
14	16	28	15	2%	44	259	N	8.197	E	5	G	0	4	5	5	NORTHERN ITALY. ML 1.5 (GEN).	
14	17	01	56.9%	16	388	N	119.955	E	33	N	0	5	5	5	5	LUZON, PHILIPPINE ISLANDS	
14	17	10	36	5%	41	87	N	139.08	E	33	N	3.8	1	7	4	HOKKAIDO, JAPAN REGION	
14	17	27	03.7	43	094	N	139.078	E	18	D	4.8	1	1	47	47	EASTERN SEA OF JAPAN	
14	17	33	49.2%	44	260	N	8.230	E	5	G	0	6	7	7	7	NORTHERN ITALY. ML 1.9 (GEN).	
14	17	38	33	9	43	181	N	139.124	E	20	D	5.5	1	0	337	EASTERN SEA OF JAPAN. Mw 5.1 (HRV)	
14	17	58	51	9%	63	032	N	150.611	W	113	0	50	50	50	50	CENTRAL ALASKA. <AEIC>	
14	17	59	10	1%	45	983	N	2.935	E	10	G	0	2	5	5	FRANCE ML 1.7 (LDG).	
14	18	07	52.5%	5	38	S	146.77	E	180	*	4.0	0	7	7	7	EASTERN NEW GUINEA REG., P.N.G.	
14	18	13	55.7%	44	23	N	8.26	E	5	G	0	7	4	4	4	NORTHERN ITALY. ML 1 2 (GEN).	
14	18	43	28.0	18.043	S	178.648	W	562	4.6	1.1	119	5	5	5	5	FIJI ISLANDS REGION	
14	18	49	17.5%	44	292	N	8.250	E	5	G	0	1	5	5	5	NORTHERN ITALY. ML 1.0 (GEN).	
14	19	06	30.4%	39	21	N	37.27	E	10	G	0	8	7	7	7	TURKEY. MG 3.5 (DDA)	
14	19	12	44.3%	13.672	N	44.981	W	10	G	4.8	4.3	1	0	20	20	NORTHERN MID-ATLANTIC RIDGE	
14	19	13	50.1%	39	09	N	27.95	E	10	G	0	1	4	4	4	TURKEY. ML 2.7 (ISK)	
14	19	59	32.1%	4	70	S	134	49	E	33	N	4.7	4.3	1	5	9	IRIAN JAYA REGION, INDONESIA
14	20	12	57.8%	44	257	N	8.228	E	5	G	0	5	8	8	8	NORTHERN ITALY. ML 1.7 (GEN).	
14	20	44	55.4%	44	495	N	7.207	E	5	G	0	9	8	8	8	NORTHERN ITALY. ML 2.0 (GEN).	
14	20	47	11.2%	4	432	N	126.842	E	63	*	4.5	1	0	20	20	TALAUD ISLANDS, INDONESIA	
14	20	57	05.1%	44	251	N	8.233	E	5	G	0	6	22	22	22	NORTHERN ITALY. ML 2.5 (GEN). 2 4 (LDG).	
14	21	40	14	5%	11	313	N	87.176	W	33	N	4.5	1	0	17	17	NEAR COAST OF NICARAGUA
14	21	53	44.2	42	374	N	132	982	E	480	4.4	0	8	62	62	NEAR SOUTHEAST COAST OF RUSSIA	
14	22	01	52	4%	37	814	N	3	632	W	10	G	1	7	5	5	SPAIN. mblg 2.6 (MDD).
14	22	46	21	6%	10	729	N	62	107	W	33	N	0	4	7	7	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
14	22	53	01	6%	26	360	S	27.503	E	5	G	1	0	6	6	6	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE)
14	23	01	01.7%	44	282	N	8.215	E	5	G	0	6	9	9	9	NORTHERN ITALY. ML 2.1 (GEN).	
14	23	07	42	7	44	194	N	8.365	E	6	0	7	25	25	25	NORTHERN ITALY. ML 2.7 (LDG). 2 6 (GEN).	
14	23	12	12	6%	44	260	N	8	210	E	5	G	0	8	7	7	NORTHERN ITALY. ML 1.5 (GEN).
14	23	29	30	4	44	199	N	8.340	E	5	G	0	7	26	26	26	NORTHERN ITALY. ML 3 1 (LDG). 3 0 (GEN)
14	23	33	35	8%	44	262	N	8.222	E	5	G	0	6	8	8	8	NORTHERN ITALY. ML 1.8 (GEN).
14	23	40	13.1	44	261	N	8	159	E	5	G	0	7	53	53	53	NORTHERN ITALY. ML 3.6 (GEN). 3 2 (LDG)
14	23	41	20.7%	44	269	N	8.210	E	5	G	0	5	8	8	8	NORTHERN ITALY. ML 2.2 (GEN).	
14	23	44	24	6%	44	22	N	8	30	E	5	G	0	6	4	4	NORTHERN ITALY. ML 1.4 (GEN).
14	23	44	35	7	44	243	N	8.171	E	5	G	1	0	16	16	16	NORTHERN ITALY. ML 2.3 (LDG). 1 9 (GEN).
14	23	45	43	4%	44	268	N	8.219	E	5	G	0	5	8	8	8	NORTHERN ITALY. ML 2.0 (GEN).
14	23	46	49	1%	44	263	N	8.219	E	5	G	0	6	7	7	7	NORTHERN ITALY. ML 1.6 (GEN).
14	23	47	14	4%	44	26	N	8.21	E	5	G	0	7	4	4	4	NORTHERN ITALY. ML 1.1 (GEN).
14	23	49	39	0	44	272	N	8.204	E	5	G	0	4	12	12	12	NORTHERN ITALY. ML 2 1 (GEN). 2.1 (LDG).
14	23	50	49	5%	44	267	N	8.222	E	5	G	0	6	7	7	7	NORTHERN ITALY. ML 1.6 (GEN).
14	23	52	47	2	44	214	N	8.315	E	5	G	0	7	27	27	27	NORTHERN ITALY. ML 3 0 (LDG). 2 8 (GEN).
14	23	54	00.2	44	252	N	8.229	E	5	G	0	6	14	14	14	14	NORTHERN ITALY. ML 2.5 (LDG). 2 3 (GEN).
14	23	54	59	1	44	256	N	8.235	E	8	0	4	14	14	14	14	NORTHERN ITALY. ML 2 3 (LDG). 2.2 (GEN).
14	23	55	52.7	44	270	N	8.216	E	5	G	0	6	14	14	14	14	NORTHERN ITALY. ML 2 2 (LDG). 2 1 (GEN).
14	23	57	07.0%	44	265	N	8.231	E	5	G	0	4	9	9	9	9	NORTHERN ITALY. ML 2.1 (GEN).
14	23	58	14.8%	44	265	N	8.221	E	5	G	0	6	8	8	8	8	NORTHERN ITALY. ML 1.8 (GEN).
14	23	58	46.5%	44	27	N	8	22	E	5	G	0	2	4	4	4	NORTHERN ITALY. ML 1.0 (GEN).
14	23	58	49.7%	44	26	N	8	20	E	5	G	0	8	4	4	4	NORTHERN ITALY. ML 1.1 (GEN).
15	00	00	38.8%	44	268	N	8.199	E	5	G	0	4	8	8	8	8	NORTHERN ITALY. ML 1.8 (GEN).
15	00	01	15.3%	44	266	N	8.206	E	5	G	0	5	7	7	7	7	NORTHERN ITALY. ML 1.6 (GEN).
15	00	05	14.4%	44	258	N	8.213	E	5	G	0	7	5	5	5	5	NORTHERN ITALY. ML 1.3 (GEN).
15	00	05	47.6	44	209	N	8.297	E	11	0	5	25	25	25	25	25	NORTHERN ITALY. ML 2.9 (GEN). 2.9 (LDG).
15	00	08	57.9%	44	265	N	8.213	E	5	G	0	5	7	7	7	7	NORTHERN ITALY. ML 1.6 (GEN).
15	00	09	04.7%	44	288	N	8.223	E	5	G	0	5	5	5	5	5	NORTHERN ITALY. ML 1.6 (GEN).
15	00	09	22.4%	44	20	N	8.31	E	5	G	0	7	4	4	4	4	NORTHERN ITALY. ML 1.0 (GEN).
15	00	10	39.1	44	231	N	8.336	E	5	G	0	8	24	24	24	24	NORTHERN ITALY. ML 2.7 (GEN). 2.5 (LDG).
15	00	11	50	2%	33	946	N	116.843	W	7	0	5	8	8	8	8	SOUTHERN CALIFORNIA. <PAS-PS>. ML 3.0 (PAS). Feit
15	00	12	28.7%	44	269	N	8.206	E	5	G	0	5	7	7	7	7	NORTHERN ITALY. ML 1.5 (GEN).
15	00	13	36.4	44	255	N	8.224	E	5	G	0	5	13	13	13	13	NORTHERN ITALY. ML 2.5 (GEN). 2.4 (LDG).
15	00	14	59	4%	44	266	N	8.223	E	5	G	0	5	8	8	8	NORTHERN ITALY. ML 1.8 (GEN).
15	00	15	37.7%	44	261	N	8.227	E	5	G	0	5	5	5	5	5	NORTHERN ITALY. ML 1.0 (GEN).
15	00	17	17.5%	44	268	N	8.208	E	5	G	0	5	7	7	7	7	NORTHERN ITALY. ML 1.4 (GEN).
15	00	19	19.2%	44	262	N	8.227	E	5	G	0	5	8	8	8	8	NORTHERN ITALY. ML 1.8 (GEN).
15	00	24	50.6	44	214	N	8.322	E	5	G	0	7	25	25	25	25	NORTHERN ITALY. ML 2.8 (GEN). 2.8 (LDG).
15	00	26	26.2%	44	261	N	8.214	E	5	G	0	6	5	5	5	5	NORTHERN ITALY. ML 1.2 (GEN).
15	00	26	29.6%	44	259	N	8.218	E	5	G	0	4	8	8	8	8	NORTHERN ITALY. ML 1.5 (GEN).
15	00	26	44.3%	44	264	N	8.217	E	5	G	0	5	7	7	7	7	NORTHERN ITALY. ML 1.7 (GEN).
15	00	28	27.1%	44	269	N	8.212	E	5	G	0	4	8	8	8	8	NORTHERN ITALY. ML 2.0 (GEN).
15	00	31	41.7	44	239	N	8.363	E	5	G	1	1	20	20	20	20	NORTHERN ITALY. ML 2.4 (LDG).
15	00	32	16.1%	44	251	N	8.235	E	5	G	0	5	8	8	8	8	NORTHERN ITALY. ML 2.0 (GEN).
15	00	33	10.4	44	241	N	8	237	E	5	G	0	7	12	12	12	NORTHERN ITALY. ML 2.3 (GEN). 2.3 (LDG)
15	00	37	24.4%	44	264	N	8.225	E	5	G	0	4	7	7	7	7	NORTHERN ITALY. ML 1.8 (GEN).
15	00	38	08.0%	44	23	N	8.27	E	5	G	0	7	4	4	4	4	NORTHERN ITALY. ML 1.4 (GEN).
15	00	38	13.3	44	208	N	8.314	E	5	G	0	7	27	27	27	27	NORTHERN ITALY. ML 3.0 (LDG). 2 8 (GEN). 2.4 (STR).
15	00	40	41.2%	44	257	N	8.226	E	5	G	0	4	7	7	7	7	NORTHERN ITALY. ML 1.6 (GEN).
15	00	41	06.4%	44	27	N	8.21	E	5	G	0	3	4	4	4	4	NORTHERN ITALY. ML 1.1 (GEN).
15	00	41	32.0	44	197	N	8.318	E	5	G	0	7	18	18	18	18	NORTHERN ITALY. ML 2.7 (GEN). 2.5 (LDG).
15	00	41	56	3%	44	25	N	8.23	E	5	G	0	6	4	4	4	NORTHERN ITALY. ML 1.3 (GEN).
15	00	45	13	1%	30	544	S	68.827	W	33	N	0	6	5	5	5	SAN JUAN PROVINCE, ARGENTINA
15	00	45	15	8%	44	262	N	8	223	E	5	G	0	5	8	8	NORTHERN ITALY. ML 2 0 (GEN).
15	00	46	45	6%	44	263	N</										

0	15	00	51	13	1	46	679	N	152.577	E	32	D	5.7	5	0	0.8	452	KURIL ISLANDS. Mw 5.4 (HRV).
	15	00	51	18	9%	44	268	N	8.212	E	5	G				0.5	8	NORTHERN ITALY. ML 1.7 (GEN).
	15	00	54	02	1	44	222	N	8.307	E	10					0.6	25	NORTHERN ITALY. ML 2.8 (GEN). 2.7 (LDG)
	15	00	54	26	4%	44	28	N	8.21	E	5	G				0.7	4	NORTHERN ITALY. ML 1.1 (GEN).
	15	00	57	10	8%	44	263	N	8.216	E	5	G				0.4	8	NORTHERN ITALY. ML 2.0 (GEN).
	15	00	57	39	9%	44	260	N	8.225	E	5	G				0.5	5	NORTHERN ITALY. ML 1.2 (GEN).
	15	01	04	26	8%	44	261	N	8.215	E	5	G				0.5	7	NORTHERN ITALY. ML 1.6 (GEN).
	15	01	13	04	1%	44	258	N	8.227	E	5	G				0.6	6	NORTHERN ITALY. ML 1.4 (GEN).
	15	01	14	03	5%	46	262	N	2.966	E	10	G				0.4	8	FRANCE. ML 1.7 (LDG)
	15	01	21	54	0%	44	267	N	8.215	E	5	G				0.5	8	NORTHERN ITALY. ML 1.8 (GEN).
	15	01	22	34	2	44	230	N	8.318	E	5	G				0.8	22	NORTHERN ITALY. ML 2.4 (GEN). 2.4 (LDG).
	15	01	27	31	8%	44	256	N	8.219	E	5	G				0.4	8	NORTHERN ITALY. ML 1.9 (GEN).
	15	01	50	37	3	44	212	N	8.326	E	5	G				0.6	25	NORTHERN ITALY. ML 2.8 (GEN). 2.7 (LDG). 2.1 (STR).
	15	02	01	25	7	42	479	N	139.389	E	14	D	4.7			1.1	53	HOKKAIDO, JAPAN REGION
	15	02	10	02	7%	5.59	S	133.64	E	33	N	4.4				1.5	10	ARU ISLANDS REGION, INDONESIA
	15	02	44	03	3	44	263	N	8.217	E	5	G				0.6	12	NORTHERN ITALY. ML 2.2 (GEN). 2.2 (LDG)
	15	02	46	11	7%	44	24	N	8.27	E	5	G				0.7	4	NORTHERN ITALY. ML 1.0 (GEN)
	15	02	47	31	0	43	022	N	139.453	E	18	D	4.4			1.2	18	EASTERN SEA OF JAPAN
	15	02	47	31	4%	44	26	N	8.25	E	5	G				0.3	4	NORTHERN ITALY. ML 1.1 (GEN).
	15	03	08	33	1	44	194	N	8.327	E	6					0.7	25	NORTHERN ITALY. ML 3.4 (GEN). 2.9 (LDG)
	15	03	08	58	3%	44	264	N	8.212	E	5	G				0.4	5	NORTHERN ITALY. ML 1.4 (GEN).
	15	03	09	32	5%	44	258	N	8.199	E	5	G				0.6	6	NORTHERN ITALY. ML 1.9 (GEN).
	15	03	10	01	1%	44	264	N	8.221	E	5	G				0.4	8	NORTHERN ITALY. ML 2.3 (GEN).
	15	03	11	35	1	44	267	N	8.213	E	5	G				0.5	12	NORTHERN ITALY. ML 2.1 (GEN). 2.0 (LDG).
	15	03	12	28	2%	44	257	N	8.198	E	5	G				0.5	8	NORTHERN ITALY. ML 1.9 (GEN).
	15	03	12	42	8	43	230	N	139.346	E	23	D	5	1	4	0.9	219	EASTERN SEA OF JAPAN
	15	03	14	29	6	33	059	S	70.108	W	100	G				1.1	20	CHILE-ARGENTINA BORDER REGION. MD 4.2 (SAN).
	15	03	17	36	7%	44	279	N	8.212	E	5	G				0.6	10	NORTHERN ITALY. ML 2.0 (GEN).
	15	03	21	28	1	44	214	N	8.352	E	5	G				0.9	25	NORTHERN ITALY. ML 2.7 (GEN). 2.6 (LDG).
	15	03	22	29	7%	44	27	N	8.20	E	5	G				0.6	4	NORTHERN ITALY. ML 1.1 (GEN).
	15	03	23	32	1	44	264	N	8.209	E	5	G				0.5	14	NORTHERN ITALY. ML 2.5 (GEN). 2.3 (LDG).
	15	03	35	11	8%	29	91	N	51.25	E	33	N	4.1			0.4	5	SOUTHERN IRAN
	15	03	47	36	9%	44	263	N	8.204	E	5	G				0.5	8	NORTHERN ITALY. ML 2.0 (GEN).
	15	03	50	12	6%	6.29	S	130.24	E	107	?	4.4				1.0	14	BANDA SEA
	15	03	50	50	6%	32	24	S	71.04	W	70	G				0.3	9	NEAR COAST OF CENTRAL CHILE MD 3.7 (SAN).
	15	04	02	10	2%	44	263	N	8.240	E	5	G				0.5	8	NORTHERN ITALY. ML 1.7 (GEN).
	15	04	14	35	5%	38	656	N	119.633	W	0						53	CALIFORNIA-NEVADA BORDER REGION <GM-P>. MD 3.2 (GM). ML 3.1 (BRK).
	15	04	15	53	8%	44	258	N	8.232	E	5	G				0.5	6	NORTHERN ITALY. ML 1.5 (GEN).
	15	04	17	22	9%	38	649	N	119.646	W	1						24	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.1 (GM). ML 3.0 (BRK).
	15	04	39	55	4%	44	243	N	8.244	E	5	G				0.7	5	NORTHERN ITALY. ML 1.4 (GEN).
	15	05	00	58	4%	33	96	S	71.88	W	33	N				0.4	7	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
	15	05	01	13	3%	18	56	N	66.21	W	33	N				0.9	7	PUERTO RICO REGION
	15	05	09	07	1%	44	262	N	8.214	E	5	G				0.5	7	NORTHERN ITALY. ML 1.6 (GEN).
	15	05	18	04	8%	44	261	N	8.202	E	5	G				0.5	8	NORTHERN ITALY. ML 1.9 (GEN).
	15	05	24	05	9%	36	407	N	9.329	E	10	G	4	5		1.1	35	TUNISIA
	15	05	36	58	6	43	343	N	139.406	E	24	D	4	9	4.2	1.1	113	EASTERN SEA OF JAPAN
	15	05	44	01	2	44	511	N	7.143	E	8					0.3	23	NORTHERN ITALY. ML 2.5 (GEN). 2.4 (LDG).
	15	05	45	48	0%	44	248	N	8.226	E	5	G				0.5	5	NORTHERN ITALY. ML 1.4 (GEN).
	15	05	48	44	4%	2.285	S	95.725	W	10	G	4	8	4.7	1.5	29	GALAPAGOS ISLANDS REGION	
	15	06	22	54	1	44	268	N	8.218	E	5	G				0.5	13	NORTHERN ITALY. ML 2.3 (LDG). 2.2 (GEN).
	15	06	23	55	5%	44	262	N	8.221	E	5	G				0.4	7	NORTHERN ITALY. ML 1.5 (GEN).
	15	06	25	15	7%	2.49	N	95.44	W	10	G	4	4	4.5	1.4	19	GALAPAGOS ISLANDS REGION	
	15	06	29	52	4%	51	336	N	15.869	E	10	G				1.0	6	POLAND MG 2.5 (WAR)
	15	06	30	23	8%	2.86	N	94.99	W	10	G	4	7		1.7	25	GALAPAGOS ISLANDS REGION	
	15	06	36	37	5	42	610	N	139.141	E	19	D	4	7	4.4	1.2	69	HOKKAIDO, JAPAN REGION
	15	07	29	00	3%	33	674	S	71.985	W	10	G				0.6	10	NEAR COAST OF CENTRAL CHILE
	15	07	32	09	9%	44	03	N	7.31	E	5	G				0.1	4	NORTHERN ITALY. ML 1.0 (STR).
	15	07	45	48	1%	42	796	N	139.357	E	21	D	4.3			1.2	17	HOKKAIDO, JAPAN REGION
	15	07	55	55	1%	39	66	N	29.47	E	10	G				0.3	4	TURKEY. ML 2.6 (ISK).
	15	08	50	52	6%	6.14	S	142.96	E	33	N	4	2		1.5	7	NEW GUINEA, PAPUA NEW GUINEA	
	15	09	10	41	0%	39	066	N	27.638	E	10	G				0.3	5	TURKEY. ML 2.8 (ISK).
	15	09	13	15	9%	39	08	N	27.65	E	10	G				0.4	4	TURKEY. ML 2.7 (ISK).
	15	09	14	25	7%	42	610	N	138.995	E	33	N	4	2		1.5	16	EASTERN SEA OF JAPAN
	15	09	18	15	4	41	922	N	19.990	E	10	G				1.0	15	ALBANIA. ML 2.5 (TIR). 2.5 (TTG).
	15	09	20	02	6%	42	648	N	139.136	E	20	D	4	5		1.2	34	HOKKAIDO, JAPAN REGION
	15	09	21	54	6	41	928	N	19.984	E	10	G				1.1	15	ALBANIA. MD 2.7 (TTG). ML 2.3 (TIR).
	15	09	25	41	0	42	839	N	139.497	E	33	N	4	4		1.4	14	HOKKAIDO, JAPAN REGION
	15	09	27	57	6%	45	26	N	6.48	E	10	G				0.4	7	FRANCE
	15	09	35	53	4%	38	99	N	27.74	E	10	G				0.5	4	TURKEY. ML 2.7 (ISK).
	15	09	41	51	9%	38	214	N	21.581	E	10	G				1.3	8	GREECE. MD 3.4 (ATH).
	15	10	10	06	5	19	143	S	172.678	W	37	D	5	0	4	1.4	75	TONGA ISLANDS REGION
	15	10	12	40	4%	31	70	S	69.32	W	120	G				0.6	5	SAN JUAN PROVINCE, ARGENTINA
	15	10	27	06	5%	26	387	S	27.337	E	5	G				0.9	7	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
	15	10	45	14	2	32	150	S	71.030	W	79	?				0.4	14	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
	15	10	47	44	9%	40	308	N	27.885	E	10	G				0.9	7	TURKEY. ML 2.7 (ISK).
	15	11	19	54	6%	31	95	S	69.70	W	120	G				0.3	4	SAN JUAN PROVINCE, ARGENTINA
	15	11	42	04	2%	17	84	S	168.95	E	33	N	4	1		1.2	6	VANUATU ISLANDS
	15	11	45	22	4%	41	49	N	23.18	E	10	G				0.1	4	GREECE-BULGARIA BORDER REGION
	15	12	12	38	5	23	604	S	179.157	E	548		5	1		1.0	200	SOUTH OF FIJI ISLANDS
	15	12	21	09	8%	43	243	N	139.399	E	33	N	4	3		1.3	12	EASTERN SEA OF JAPAN
	15	12	24	11	9%	13	08	N	125.34	E	33	N	4	2		1.2	6	PHILIPPINE ISLANDS REGION
	15	12	51	33	8	42	751	N	139.229	E	22	D	4	6		1.3	39	HOKKAIDO, JAPAN REGION
	15	13	31	44	2%	39	70	N	29.48	E	10	G				0.0	4	TURKEY. ML 2.6 (ISK).
	15	14	05	38	7%	11	066	N	62.265	W	100	G				0.4	8	WINDWARD ISLANDS. MD 3.4 (TRN).
	15	14	24	47	2%	44	262	N	8.200	E	5	G				0.4	7	NORTHERN ITALY. ML 1.5 (GEN).
	15	15	38	22	8%	15	746	N	60.867	W	33	N				1.3	12	LEEWARD ISLANDS. ML 3.0 (FDF).
	15	15	45	18	0%	46	202	N	0.132	E	10	G				1.3	11	FRANCE ML 3.0 (LDG).
	15	15	48	17	7%	44	46	N	7.22	E	5	G				0.1	4	NORTHERN ITALY. ML 1.8 (GEN).
	15	15	53	48	2%	62	542	N	149.550	W	11					60	CENTRAL ALASKA <AEIC>. ML 2.7 (AEIC). 3.0 (PMR).	
	15	16	26	55	5%	60	48	N	4.49	E	10	G				1.1	6	SOUTHERN NORWAY MD 1.5 (BER)
	15	16	33	40	0%													

15	17	09	42.7%	40	150	N	28	772	E	10	G	0	8	6	TURKEY. ML 2 7 (ISK).			
15	17	32	50.3%	44	263	N	8	219	E	5	G	0	4	7	NORTHERN ITALY ML 1.7 (GEN)			
15	18	02	00.8%	33	87	S	71	94	W	33	N	1	1	13	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).			
15	18	15	27.4%	34	10	S	72	14	W	33	N	1	3	17	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).			
15	18	59	55.5%	44	363	N	7	372	E	10	G	0	8	7	NORTHERN ITALY ML 1 8 (GEN)			
15	19	02	25.2%	34	323	N	116	765	W	3		8			SOUTHERN CALIFORNIA <PAS-P> ML 2.7 (PAS).			
15	19	06	25.5%	65	321	N	148	485	W	13		45			NORTHERN ALASKA <AEIC> ML 3 2 (AEIC).			
15	19	36	11.6%	43	263	N	139	404	E	22	D	4.8	5.3	1.0	118	EASTERN SEA OF JAPAN		
a	15	19	37	37.9%	42	670	N	139	016	E	20	D	5.3	4.7	1.0	252	HOKKAIDO, JAPAN REGION. Mw 5.3 (HRV). Felt (II JMA) at Suttsu, Hokkaido and on Okushiri.	
15	20	17	39.3%	42	761	N	139	055	E	20	D	4.6	4.7	1.2	29	HOKKAIDO, JAPAN REGION		
15	20	18	23.2%	40	688	N	27	795	E	10	G	0	7	8		TURKEY. ML 3.0 (ISK)		
15	20	18	46.8%	40	26	N	23	85	E	5	G	0	4	4		GREECE		
15	20	21	49.8%	32	453	S	69	359	W	10	G	0	9	16		MENDOZA PROVINCE, ARGENTINA. MD 4.1 (SAN).		
15	20	39	21.4%	31	155	S	68	441	W	10	G	1	3	5		SAN JUAN PROVINCE, ARGENTINA		
15	21	45	40.3%	20	242	S	68	890	W	154	*	4.8	1	1	14	CHILE-BOLIVIA BORDER REGION		
15	21	47	33.7%	50	366	N	18	861	E	10	G	0	8	6		POLAND. ML 2.8 (WAR).		
15	21	59	38.3%	46	085	N	10	836	E	10	G	0	9	10		NORTHERN ITALY ML 2.4 (VIE)		
15	22	01	22.9%	30	611	S	69	776	W	120	G	1	0	7		CHILE-ARGENTINA BORDER REGION		
15	22	07	33.7%	42	13	N	139	08	E	33	N	4.0	0	5	4	HOKKAIDO, JAPAN REGION		
15	22	43	08.4%	33	780	S	70	885	W	70	?	0	2	7		CHILE-ARGENTINA BORDER REGION		
15	22	53	44.8%	7	313	N	124	400	E	31		4.2	1.2	18		MINDANAO, PHILIPPINE ISLANDS. Felt (II RF) at Cotabato.		
15	22	55	11.3%	62	536	N	149	546	W	15				45		CENTRAL ALASKA. <AEIC> ML 2.5 (AEIC).		
15	23	03	24.1%	47	357	N	11	327	E	5	G	1.2		5		AUSTRIA. ML 1.5 (VIE).		
15	23	37	16.4%	45	100	N	122	500	W	20	G			3		WASHINGTON-OREGON BORDER REGION. <MACRO>. MD 2 7 (GS). Felt (III) at Molalla and Scotts Mills, Oregon.		
15	23	59	20.7%	44	232	N	8	333	E	10	G	1	1	12		NORTHERN ITALY ML 2.1 (GEN), 2 0 (LDG).		
16	00	02	09.3%	37	779	N	3	592	W	10	G	0	4	8		SPAIN. mbLg 2.7 (MDD).		
16	00	02	36.3%	44	202	N	8	291	E	5	G	0	4	6		NORTHERN ITALY. ML 1 6 (GEN).		
16	00	06	16.0%	32	320	N	115	323	W	6	G			3		CALIF.-BAJA CALIF BORDER REGION. <PAS-P>. ML 2.7 (PAS).		
16	00	08	52.0%	63	207	N	151	003	W	17				45		CENTRAL ALASKA. <AEIC> ML 2.5 (AEIC), 3.0 (PMR).		
16	00	15	49.7%	42	753	N	13	571	E	10	G	1	3	37		CENTRAL ITALY. MD 3.6 (LJU), 3.4 (ROM).		
16	00	18	04.3%	44	245	N	8	239	E	5	G	0	4	6		NORTHERN ITALY. ML 2.2 (GEN).		
16	00	37	02.7%	38	193	N	21	625	E	10	G	1	3	7		GREECE. MD 3.4 (ATH).		
16	00	55	37.0%	72	576	N	1	645	E	10	G	4.3	1	1	21	NORWEGIAN SEA		
16	01	33	05.6%	44	24	N	8	26	E	5	G	0	6	4		NORTHERN ITALY. ML 1.8 (GEN).		
16	01	36	53.1%	39	975	N	23	337	E	10	G	0	6	9		AEGEAN SEA		
16	01	47	51.2%	35	77	N	0	06	W	10	G	0	6	9		NORTHERN ALGERIA. mbLg 3.1 (MDD).		
16	01	48	26.9%	44	263	N	8	238	E	5	G	0	3	17		NORTHERN ITALY. ML 2.3 (GEN), 2.3 (LDG)		
16	01	48	53.5%	38	190	N	21	692	E	10	G	1	0	14		GREECE MD 3.2 (ATH).		
16	02	32	43.1%	37	036	N	21	294	E	33	N	0	7	12		SOUTHERN GREECE. MD 3.2 (ATH).		
16	02	40	42.6%	19	06	N	66	32	W	33	N	0	5	8		PUERTO RICO REGION		
16	02	47	03.0%	37	315	N	142	085	E	33	N	4.0	1	5		OFF EAST COAST OF HONSHU, JAPAN		
16	03	03	26.1%	41	773	N	78	932	E	54	*	4.3	0	8	28	KYRGYZSTAN-XINJIANG BORDER REG.		
16	03	09	54.0%	44	240	N	8	254	E	5	G	0	5	24		NORTHERN ITALY ML 2.7 (GEN), 2 6 (LDG).		
16	03	13	35.9%	44	23	N	8	28	E	5	G	0	6	4		NORTHERN ITALY. ML 1.8 (GEN).		
16	04	09	11.8%	42	14	N	139	06	E	33	N	1	0	5		HOKKAIDO, JAPAN REGION		
16	04	37	30.4%	33	505	S	70	985	W	65	?	0	3	9		CHILE-ARGENTINA BORDER REGION. MD 3 2 (SAN).		
16	04	55	22.9%	35	790	N	117	672	W	5				24		CENTRAL CALIFORNIA. <PAS-P>. ML 2.9 (PAS).		
16	04	55	48.9%	39	690	N	143	597	E	33	N	4.4	1	4		OFF EAST COAST OF HONSHU, JAPAN		
16	05	08	19.4%	22	898	S	171	571	E	33	N	5	1	1	16	LOYALTY ISLANDS REGION		
16	05	09	36.7%	42	231	N	139	309	E	33	N	4.2	1	2	18	HOKKAIDO, JAPAN REGION		
16	05	47	15.7%	39	464	N	29	082	E	10	G	1	0	12		TURKEY ML 3 6 (ISK).		
16	06	12	21.1%	44	256	N	8	227	E	5	G	0	9	7		NORTHERN ITALY ML 2 0 (GEN).		
16	06	37	20.3%	41	92	N	139	28	E	33	N	4	0	3	4	HOKKAIDO, JAPAN REGION		
16	07	12	09.3%	40	086	N	19	783	E	10	G	0	9	12		ALBANIA MD 3.1 (ATH). ML 2.9 (TIR).		
16	07	17	18.2%	32	492	N	115	228	W	6	G			4		CALIF.-BAJA CALIF BORDER REGION. <PAS-P>. ML 3.0 (PAS).		
16	07	32	39.6%	40	553	N	23	685	E	10	G	1	3	8		GREECE		
16	08	05	20.2%	39	11	N	27	58	E	10	G	1	3	4		TURKEY ML 2.7 (ISK).		
16	08	08	11.2%	39	099	N	27	653	E	10	G	0	6	5		TURKEY ML 2.8 (ISK).		
16	08	26	45.2%	44	253	N	7	440	E	5	G	0	5	7		NORTHERN ITALY ML 1.8 (GEN).		
16	08	26	51.2%	30	43	S	72	18	W	33	N	1	6	9		OFF COAST OF CENTRAL CHILE		
16	09	11	19.6%	41	98	N	139	48	E	33	N	3	5	1	2	4	HOKKAIDO, JAPAN REGION	
16	09	14	59.6%	39	15	N	27	59	E	10	G	1	1	4		TURKEY. ML 2.6 (ISK)		
16	09	21	48.0%	39	14	N	27	71	E	10	G	0	9	4		TURKEY. ML 2.6 (ISK)		
16	09	50	55.3%	44	262	N	7	563	E	5	G	0	3	12		NORTHERN ITALY. ML 2.5 (LDG).		
16	09	51	44.9%	37	775	N	3	610	W	10	G	0	8	10		SPAIN. mbLg 3.1 (MDD).		
16	10	27	50.5%	35	49	S	71	18	W	100	G	0	4	9		CENTRAL CHILE		
16	10	31	33.2%	42	606	N	18	859	E	10	G	0	3	9		NORTHWESTERN BALKAN REGION. ML 1.9 (TTG).		
16	10	49	22.2%	50	47	N	13	77	E	10	G	0	5	4		CZECH AND SLOVAK REPUBLICS		
16	10	54	32.8%	31	747	N	88	341	W	5	G	0	9	17		MISSISSIPPI. mbLg 3.7 (GS). Slight damage (VI) at Gilbertown, Alabama. Felt (V) at Silas and (IV) at Melvin, Alabama. Also felt at Chappell Hill, Coffeeville, Land, Lusk, Needham, Pleasant Hill and Toxey, Alabama.		
16	10	58	18.6%	39	441	N	26	383	E	10	G	0	3	5		TURKEY. ML 3.1 (ISK).		
16	11	02	14.4%	52	141	N	171	423	W	33	N	4.8	3.8	1.2	61	FOX ISLANDS, ALEUTIAN ISLANDS		
16	11	12	03.7%	39	38	N	27	73	E	10	G	0	1	4		TURKEY. ML 2.7 (ISK).		
16	11	18	42.8%	26	43	S	27	42	E	5	G	0	4	4		REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).		
16	11	58	31.5%	26	05	S	68	95	W	150	G	0	9	8		CHILE-ARGENTINA BORDER REGION		
16	12	01	19.3%	47	010	N	152	697	E	33	N	4.6	1	1	12	KURIL ISLANDS		
16	12	03	37.8%	57	408	N	142	797	W	10	G	0	5	34		GULF OF ALASKA. ML 3.1 (PGC), 3.0 (AEIC).		
16	12	19	18.0%	39	21	N	27	48	E	10	G	1	3	4		TURKEY. ML 2.7 (ISK).		
16	12	55	01.0%	42	55	N	138	17	E	33	N	4.1	4.6	0	5	EASTERN SEA OF JAPAN		
a	16	12	55	36.1%	10	810	N	86	270	W	26	D	4.8	4.8	0	9	79	OFF COAST OF COSTA RICA. Mw 5.3 (HRV). Ms 4.6 (BRK).
16	13	08	05.2%	26	95	S	26	80	E	5	G	0	4	4		REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).		
16	13	17	07.7%	39	622	N	29	471	E	10	G	0	6	5		TURKEY ML 2.7 (ISK).		
16	13	17	27.8%	26	353	S	27	452	E	5	G	0	8	6		REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).		
16	13	54	54.5%	41	81	N	139	49	E	33	N	4	1	1	0	4	HOKKAIDO, JAPAN REGION	
16	14	02	14.6%	42	082	N	139	309	E	30	D	4	6	4	3	1	52	HOKKAIDO, JAPAN REGION
16	14	02	54.9%	53	575	N	168	272	W	100	*	4	7	1	1	53	FOX ISLANDS, ALEUTIAN ISLANDS	

16	14	16	12	6%	31.445 S	68 486 W	105 ?	0.3	6	SAN JUAN PROVINCE, ARGENTINA
16	14	52	37.6	42.087 N	139 268 E	24 D	4 8	0.9	108	HOKKAIDO, JAPAN REGION
16	14	56	49.0?	42 33 N	139 04 E	33 N		1.2	5	HOKKAIDO, JAPAN REGION
16	15	36	11 8%	44.270 N	8 226 E	5 G		0.5	10	NORTHERN ITALY ML 2.1 (GEN).
16	16	21	43 1?	37.68 S	176 18 E	300 G		0.6	15	NORTH ISLAND, NEW ZEALAND
16	16	37	25 2&	63.296 N	145 479 W	2		49		CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC).
16	16	37	44 3	5.728 S	154 370 E	165 *	4.8	0.7	29	SOLOMON ISLANDS
16	16	51	22 0?	40 14 N	27 63 E	10 G		0.7	4	TURKEY. ML 2.6 (ISK).
16	17	12	01.7*	33 065 N	4.512 W	10 G		1.3	6	MOROCCO. MD 2.7 (RBA).
16	17	55	29 0?	37.78 N	3.60 W	10 G		0.6	4	SPAIN. mbLg 2.3 (MDD).
16	19	15	47.0%	44.250 N	8.221 E	5 G		0.5	6	NORTHERN ITALY. ML 1.8 (GEN).
16	19	26	38.9%	44.263 N	8.197 E	5 G		0.5	9	NORTHERN ITALY. ML 2.0 (GEN).
16	19	46	00 5?	18 21 S	166 18 E	33 N	4.3	1.1	4	VANUATU ISLANDS REGION
16	19	58	07 0?	40 63 N	27 83 E	10 G		0.1	4	TURKEY. ML 2.6 (ISK)
16	20	20	44.1*	39 800 N	25 498 E	10 G		1.1	17	AEGEAN SEA. ML 3.3 (ISK). MD 3.0 (ATH).
16	20	40	30.5?	37.76 N	3 64 W	10 G		0.1	4	SPAIN. mbLg 2.2 (MDD).
16	20	43	10.5*	29.656 N	107.006 W	5 G		0.7	7	CHIHUAHUA, MEXICO. ML 3.8 (GS). Felt at Nuevo Casas Grandes.
a 16	21	21	26 4	33.173 S	71 994 W	31 D	5.4 5.2	1.2	141	NEAR COAST OF CENTRAL CHILE. Mw 5.7 (HRV). MD 5.3 (SAN). Ms 5.2 (BRK). Mo=5.8*10**17 Nm (PPT). Felt (IV) at Santiago and Valparaiso.
16	21	25	27 8?	39 68 N	28.71 E	5 G		0 0	4	TURKEY. ML 2.7 (ISK)
16	21	27	44 4?	40 64 N	27.78 E	10 G		0.4	4	TURKEY ML 2.5 (ISK)
16	21	28	58.5	43.277 N	139.419 E	25 D	4.7 5.3	1.1	90	EASTERN SEA OF JAPAN
16	21	50	37 8?	33.20 S	72.27 W	10 G		0.3	9	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
16	21	58	44.0?	33.23 S	72.28 W	10 G		0 4	9	OFF COAST OF CENTRAL CHILE MD 3.7 (SAN).
16	22	05	13 9?	33.23 S	72.27 W	10 G		0.2	9	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
16	22	08	40.2?	33.85 S	117.80 E	10 G		0.9	4	WESTERN AUSTRALIA
16	22	33	57.5*	42.446 N	139.378 E	33 N	4.5 4.1	1.4	6	HOKKAIDO, JAPAN REGION
16	22	45	42.4*	41.441 S	87.367 W	10 G	5.0	1.2	27	WEST CHILE RISE
16	22	46	04 6%	39.670 N	29.006 E	10 G		0.7	10	TURKEY ML 3.0 (ISK)
16	23	06	20.4%	39.622 N	29.017 E	10 G		0.8	7	TURKEY ML 2.8 (ISK)
16	23	11	59.6*	33.228 S	72.237 W	10 G		0.8	20	OFF COAST OF CENTRAL CHILE
16	23	14	29.0%	33.224 S	72.164 W	10 G		0.4	10	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN).
17	00	05	50.7*	15.646 N	146 527 E	33 N	4.5	0.9	10	MARIANA ISLANDS. Felt on Saipan.
17	00	11	24 6*	6.518 S	106.233 E	121 ?	4.9	1.2	16	JAWA, INDONESIA
17	00	38	41.7%	37.779 N	3 615 W	5 G		1 1	6	SPAIN. mbLg 2.4 (MDD).
17	00	44	41.1%	39 629 N	29.041 E	10 G		0.6	8	TURKEY. ML 2.8 (ISK).
17	00	58	42.9*	16.161 N	60.503 W	33 N		0.6	15	LEEWARD ISLANDS. MD 3.8 (TRN). ML 3.5 (FDF).
17	00	58	51.3	38.216 N	21.678 E	10 G		1.1	14	GREECE. MD 3.1 (ATH).
17	01	23	23.4%	32.833 N	117 390 W	6 G		3		CALIF.-BAJA CALIF. BORDER REGION <PAS-P>. ML 2.7 (PAS).
a 17	01	35	39.7	30.000 S	71 591 W	52 D	5.5 5.1	1.1	265	NEAR COAST OF CENTRAL CHILE Mw 5.7 (HRV). MD 5.4 (SAN). Ms 5.1 (BRK). Mo=7 8*10**17 Nm (PPT).
17	02	04	05.0	43.260 N	139.353 E	23 D	4.7	0.9	36	EASTERN SEA OF JAPAN
17	02	14	36.0%	62.556 N	149.527 W	14		0.6	69	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC). 3.5 (PMR).
17	02	43	36.9?	38.77 N	28.29 W	10 G		0.6	4	AZORES ISLANDS MG 4.1 (PDA) Felt (V) on Faial, (IV) on Pico and (III) on Sao Jorge
17	02	53	33.5	44.543 N	7.289 E	11		0.5	22	NORTHERN ITALY. ML 2.3 (GEN). 2.2 (LDG).
17	03	07	44.5*	33.290 S	72.264 W	10 G		1.0	20	OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN).
17	03	09	08.1*	50.438 N	18.894 E	10 G		0.9	7	POLAND ML 3.2 (WAR)
17	03	12	38.0	51.371 N	15.912 E	10 G		0.8	13	POLAND ML 3.3 (VIE)
17	03	19	08.9*	43.403 N	136.553 E	321 *	4.3	1.2	20	EASTERN SEA OF JAPAN
17	03	20	32.8?	33.24 S	72.28 W	10 G		0.3	9	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
17	03	25	34.4?	33.22 S	72 33 W	10 G		0.6	9	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
17	03	32	02.7*	33.263 S	72.278 W	14		0.9	19	OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
17	03	36	42.1?	33.24 S	72 28 W	10 G		0.4	9	OFF COAST OF CENTRAL CHILE MD 3.7 (SAN).
17	03	39	02.4%	33.255 S	72 159 W	10 G		0.4	9	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
17	03	43	29.9*	33.306 S	72.119 W	10 G		0.7	14	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
17	04	42	50.5%	44.255 N	8.244 E	5 G		0.5	8	NORTHERN ITALY. ML 1.8 (GEN).
17	05	46	03.7	44.215 N	8 277 E	5 G		1.1	107	NORTHERN ITALY. ML 4.0 (STR). 3.9 (LDG). 3.8 (GEN). MD 3.8 (ROM). 3.7 (LUJ)
17	05	52	30.6	44.243 N	8.274 E	5 G		0.6	20	NORTHERN ITALY. ML 2.6 (GEN). 2.2 (LDG).
17	05	55	21.2	44.236 N	8.229 E	5 G		0.8	14	NORTHERN ITALY. ML 2.8 (GEN). 2.4 (LDG).
17	05	55	49.3	44.196 N	8.283 E	5 G		1 2	73	NORTHERN ITALY. MD 3.8 (TRI). ML 3.4 (GEN). 3.4 (LDG). 3.1 (STR).
17	05	57	42.3	44.176 N	8.357 E	11		0.8	19	NORTHERN ITALY. ML 3.1 (LDG).
17	05	58	29.4	44.238 N	8.236 E	5 G		1 0	12	NORTHERN ITALY. ML 2.6 (LDG). MD 2.0 (GEN).
17	05	59	13.3	44.256 N	8.196 E	5 G		0 5	10	NORTHERN ITALY. ML 2.2 (LDG). MD 2.1 (GEN).
17	06	01	04.8*	42.775 N	139.822 E	33 N	4.2	1.6	15	HOKKAIDO, JAPAN REGION
17	06	01	46.3%	44.236 N	8.245 E	5 G		0.4	6	NORTHERN ITALY. ML 1.8 (GEN).
17	06	04	35.3%	44.242 N	8.245 E	5 G		0.6	7	NORTHERN ITALY. ML 1.6 (GEN).
17	06	04	59.0	44.263 N	8.354 E	5 G		0.8	10	NORTHERN ITALY. ML 2.2 (LDG). 1.7 (GEN).
17	06	07	36 1	44.182 N	8.307 E	5 G		0.8	29	NORTHERN ITALY ML 3.2 (GEN). 3.2 (LDG).
17	06	08	04.4?	28.78 N	34 82 E	10 G		0.8	4	EGYPT
17	06	10	55.7%	44.280 N	8.217 E	5 G		0.7	10	NORTHERN ITALY. ML 1.9 (GEN).
17	06	15	06.8%	44.256 N	8.226 E	5 G		0.4	8	NORTHERN ITALY. ML 2.1 (GEN).
17	06	16	10.2%	44.267 N	8.211 E	5 G		0.8	8	NORTHERN ITALY. ML 2.0 (GEN).
17	06	24	00.1%	44.257 N	8.210 E	5 G		0.6	8	NORTHERN ITALY. ML 1.9 (GEN).
17	06	25	21.1%	44.270 N	8.216 E	5 G		0.5	9	NORTHERN ITALY. MD 1.7 (GEN).
17	06	25	30.0	44.218 N	8.258 E	5 G		0.9	17	NORTHERN ITALY. ML 2.8 (LDG).
17	06	25	34.3	44.266 N	8.207 E	5 G		0.9	12	NORTHERN ITALY. MD 2.3 (GEN).
17	06	26	35 9	44.211 N	8.300 E	5 G	4.4	1.0	116	NORTHERN ITALY. ML 4.1 (STR). 3.8 (LDG) MD 4.1 (TRI). 4.0 (GEN).
17	06	29	41.4?	44.17 N	8.39 E	5 G		0.6	12	NORTHERN ITALY. ML 2.8 (LDG).
17	06	34	48 0%	44.263 N	8.216 E	5 G		0.6	7	NORTHERN ITALY. ML 1.8 (GEN).
17	06	36	18.0%	44.302 N	8.340 E	5 G		0.6	6	NORTHERN ITALY. ML 1.8 (GEN).
17	06	37	05.0	44.247 N	8.214 E	5 G		0.6	15	NORTHERN ITALY. ML 2.0 (GEN). 1.4 (STR).
17	06	37	16.6	44.191 N	8.219 E	5 G		0.7	12	NORTHERN ITALY. ML 2.4 (LDG). 2.2 (GEN).
17	06	38	02.2%	44.275 N	8.236 E	5 G		0.7	9	NORTHERN ITALY. ML 2.2 (GEN).
17	06	39	27.2%	44.330 N	8.348 E	5 G		0.2	5	NORTHERN ITALY. ML 1.6 (GEN).
17	06	41	00 5%	44 261 N	8.228 E	5 G		0 6	6	NORTHERN ITALY MD 1.8 (GEN)
17	06	41	14.3%	44 257 N	8 219 E	5 G		0.7	7	NORTHERN ITALY. ML 1.4 (GEN)

17	06 41 25.0%	44.184 N	8.230 E	10 G	0.8	8	NORTHERN ITALY	ML 2.1 (GEN)
17	06 41 45.7%	44.279 N	8.201 E	5 G	0.5	7	NORTHERN ITALY	ML 1.6 (GEN)
17	06 42 03.3%	44.294 N	8.175 E	5 G	1.0	5	NORTHERN ITALY	ML 1.3 (GEN)
17	06 42 20.5%	44.290 N	8.203 E	5 G	0.9	9	NORTHERN ITALY	ML 1.9 (GEN)
17	06 42 45.1%	44.268 N	8.199 E	5 G	0.5	6	NORTHERN ITALY	ML 1.3 (GEN)
17	06 42 57.8%	44.15 N	8.12 E	5 G	0.5	4	NORTHERN ITALY	ML 1.2 (GEN)
17	06 43 34.7%	44.177 N	8.312 E	5 G	0.4	7	NORTHERN ITALY	ML 1.9 (GEN)
17	06 44 18.5	44.192 N	8.289 E	5 G	0.9	34	NORTHERN ITALY	ML 3.2 (LDG), 2.7 (GEN)
17	06 45 35.9	44.257 N	8.256 E	5 G	0.7	12	NORTHERN ITALY	ML 2.6 (LDG)
17	06 46 50.5	44.174 N	8.340 E	5 G	0.8	18	NORTHERN ITALY	ML 2.8 (LDG), 2.3 (GEN)
17	06 47 59.9	44.251 N	8.265 E	5 G	0.7	17	NORTHERN ITALY	ML 2.2 (LDG), MD 2.1 (GEN)
17	06 48 28.8%	44.238 N	8.251 E	5 G	0.6	5	NORTHERN ITALY	MD 1.6 (GEN)
17	06 50 12.0	44.245 N	8.227 E	5 G	0.6	13	NORTHERN ITALY	ML 2.4 (GEN), 2.2 (LDG)
17	06 51 26.9	44.252 N	8.220 E	5 G	0.5	14	NORTHERN ITALY	ML 2.6 (GEN), 2.3 (LDG)
17	06 52 38.6%	44.261 N	8.227 E	5 G	0.4	8	NORTHERN ITALY	ML 2.1 (GEN)
17	06 53 39.3%	44.261 N	8.181 E	5 G	0.5	8	NORTHERN ITALY	ML 2.3 (GEN)
17	06 54 21.7%	44.267 N	8.193 E	5 G	0.7	8	NORTHERN ITALY	ML 1.8 (GEN)
17	06 54 39.4%	44.259 N	8.239 E	5 G	0.4	8	NORTHERN ITALY	ML 1.9 (GEN)
17	06 55 01.8%	44.284 N	8.203 E	5 G	0.5	8	NORTHERN ITALY	ML 1.7 (GEN)
17	06 55 49.7%	44.259 N	8.183 E	5 G	1.0	5	NORTHERN ITALY	ML 1.0 (GEN)
17	06 56 18.2%	44.278 N	8.210 E	5 G	0.5	6	NORTHERN ITALY	ML 1.9 (GEN)
17	06 57 45.6%	44.231 N	8.275 E	5 G	0.4	6	NORTHERN ITALY	ML 1.7 (GEN)
17	07 00 13.7	44.188 N	8.332 E	12	0.5	26	NORTHERN ITALY	ML 3.3 (LDG), 3.0 (GEN)
17	07 02 52.9	44.240 N	8.234 E	5 G	0.7	13	NORTHERN ITALY	ML 2.4 (GEN), 2.4 (LDG)
17	07 03 51.2%	44.264 N	8.232 E	5 G	0.5	5	NORTHERN ITALY	MD 1.5 (GEN)
17	07 04 16.7	44.254 N	8.208 E	5 G	0.5	20	NORTHERN ITALY	ML 2.4 (GEN), 2.3 (LDG)
17	07 04 49.7%	44.255 N	8.242 E	5 G	0.6	7	NORTHERN ITALY	MD 1.6 (GEN)
17	07 05 55.8	50.647 N	156.584 E	66 D	1.0	38	KURIL ISLANDS	
17	07 06 22.1	44.250 N	8.196 E	5 G	0.6	14	NORTHERN ITALY	ML 2.7 (LDG), 2.5 (GEN)
17	07 07 33.6	33.295 S	72.164 W	10 G	0.8	12	OFF COAST OF CENTRAL CHILE	MD 4.1 (SAN)
17	07 09 48.4	44.271 N	8.221 E	5 G	0.4	15	NORTHERN ITALY	ML 2.2 (GEN), 2.2 (LDG)
17	07 10 21.3%	44.307 N	8.201 E	5 G	0.6	8	NORTHERN ITALY	ML 1.6 (GEN)
17	07 10 25.6%	44.27 N	8.19 E	5 G	0.3	4	NORTHERN ITALY	MD 1.4 (GEN)
17	07 10 30.6%	44.12 N	8.29 E	10 G	0.9	4	NORTHERN ITALY	ML 1.4 (GEN)
17	07 11 03.9%	44.269 N	8.326 E	5 G	0.8	5	NORTHERN ITALY	ML 1.4 (GEN)
17	07 11 29.0%	44.250 N	8.226 E	5 G	0.5	6	NORTHERN ITALY	ML 1.6 (GEN)
17	07 15 14.7%	44.264 N	8.217 E	5 G	0.5	8	NORTHERN ITALY	ML 1.5 (GEN)
17	07 15 22.7%	44.279 N	8.219 E	5 G	0.5	8	NORTHERN ITALY	ML 1.3 (GEN)
17	07 15 56.4	23.173 S	66.476 W	235 D	1.2	74	JUJUY PROVINCE, ARGENTINA	
17	07 15 59.3%	44.261 N	8.175 E	5 G	0.9	7	NORTHERN ITALY	ML 1.2 (GEN)
17	07 16 41.4%	38.05 N	21.61 E	10 G	1.2	4	GREECE	MD 3.1 (ATH)
17	07 16 54.0%	44.281 N	8.219 E	5 G	0.6	10	NORTHERN ITALY	ML 1.4 (GEN)
17	07 17 10.7	44.190 N	8.354 E	5 G	0.8	25	NORTHERN ITALY	ML 2.9 (LDG), 2.4 (GEN)
17	07 18 27.7%	44.240 N	8.246 E	5 G	0.7	7	NORTHERN ITALY	ML 1.4 (GEN)
17	07 18 46.2%	44.253 N	8.219 E	5 G	0.4	8	NORTHERN ITALY	ML 1.3 (GEN)
17	07 19 25.1	44.230 N	8.269 E	5 G	0.6	11	NORTHERN ITALY	ML 2.3 (LDG), 1.6 (GEN)
17	07 19 59.1	44.263 N	8.228 E	5 G	0.6	11	NORTHERN ITALY	ML 2.0 (LDG), 1.4 (GEN)
17	07 22 08.5%	44.257 N	8.223 E	5 G	0.4	6	NORTHERN ITALY	ML 1.3 (GEN)
17	07 22 24.5	44.248 N	8.208 E	5 G	0.6	12	NORTHERN ITALY	ML 2.1 (LDG), 2.0 (GEN)
17	07 24 23.9	44.244 N	8.230 E	5 G	0.8	12	NORTHERN ITALY	ML 1.9 (GEN), 1.9 (LDG)
17	07 25 31.3%	24.94 S	179.66 W	500 G	1.1	12	SOUTH OF FIJI ISLANDS	
17	07 30 37.1%	44.265 N	8.199 E	5 G	0.4	7	NORTHERN ITALY	ML 1.7 (GEN)
17	07 32 05.7%	44.265 N	8.213 E	5 G	0.5	7	NORTHERN ITALY	ML 1.9 (GEN)
17	07 34 04.2	44.198 N	8.321 E	5 G	0.7	22	NORTHERN ITALY	ML 2.7 (LDG), 2.4 (GEN)
17	07 34 14.6	44.241 N	8.232 E	5 G	0.5	14	NORTHERN ITALY	ML 2.7 (LDG), 2.5 (GEN)
17	07 35 00.2%	44.24 N	8.25 E	5 G	0.8	4	NORTHERN ITALY	ML 1.2 (GEN)
17	07 35 43.5%	44.260 N	8.214 E	5 G	0.4	7	NORTHERN ITALY	ML 1.6 (GEN)
17	07 36 34.0	44.216 N	8.283 E	5 G	0.9	14	NORTHERN ITALY	ML 2.6 (GEN), 2.4 (LDG)
17	07 38 03.3	39.893 N	20.620 E	10 G	1.1	15	GREECE-ALBANIA BORDER REGION	ML 3.0 (TIR), 2.8 (THE)
17	07 38 53.2	44.194 N	8.303 E	5 G	0.8	13	NORTHERN ITALY	ML 2.4 (LDG), 2.2 (GEN)
17	07 39 04.2%	44.261 N	8.231 E	5 G	0.6	6	NORTHERN ITALY	ML 1.6 (GEN)
17	07 39 15.8	44.207 N	8.263 E	5 G	0.9	31	NORTHERN ITALY	ML 3.3 (LDG), 3.0 (GEN)
17	07 39 51.1%	44.241 N	8.260 E	5 G	0.7	6	NORTHERN ITALY	ML 1.3 (GEN)
17	07 44 08.5%	44.266 N	8.204 E	5 G	0.5	8	NORTHERN ITALY	ML 1.9 (GEN)
17	07 45 45.0%	44.261 N	8.216 E	5 G	0.4	8	NORTHERN ITALY	ML 1.9 (GEN)
17	07 48 31.8%	39.110 N	27.575 E	10 G	0.5	5	TURKEY	ML 2.6 (ISK)
17	07 50 32.7%	44.267 N	8.208 E	5 G	0.4	8	NORTHERN ITALY	ML 1.9 (GEN)
17	07 54 06.2	42.516 N	139.266 E	33 N	1.4	5	HOKKAIDO, JAPAN REGION	
17	07 54 17.9	44.164 N	8.393 E	5 G	1.0	14	NORTHERN ITALY	ML 2.5 (LDG), 2.3 (GEN)
17	07 54 44.3	44.210 N	8.327 E	10	0.5	25	NORTHERN ITALY	ML 3.7 (GEN), 3.3 (LDG)
17	07 55 21.2%	44.19 N	8.32 E	5 G	0.5	4	NORTHERN ITALY	ML 1.2 (GEN)
17	07 56 00.8%	44.319 N	8.211 E	5 G	0.9	5	NORTHERN ITALY	ML 1.5 (GEN)
17	07 56 12.8%	44.221 N	8.279 E	5 G	0.6	6	NORTHERN ITALY	ML 1.4 (GEN)
17	07 56 26.2%	44.27 N	8.24 E	5 G	0.6	4	NORTHERN ITALY	ML 1.3 (GEN)
17	07 59 35.4%	44.262 N	8.208 E	5 G	0.6	7	NORTHERN ITALY	ML 1.9 (GEN)
17	08 00 07.9%	44.263 N	8.191 E	5 G	0.6	5	NORTHERN ITALY	ML 1.5 (GEN)
17	08 05 01.7%	44.257 N	8.228 E	5 G	0.4	7	NORTHERN ITALY	ML 1.9 (GEN)
17	08 05 33.8%	44.20 N	8.29 E	5 G	0.9	4	NORTHERN ITALY	ML 1.1 (GEN)
17	08 05 53.6	44.252 N	8.220 E	5 G	0.5	20	NORTHERN ITALY	ML 2.8 (GEN), 2.6 (LDG)
17	08 07 25.6%	44.258 N	8.206 E	5 G	0.5	7	NORTHERN ITALY	ML 1.9 (GEN)
17	08 07 43.9%	44.18 N	8.28 E	5 G	0.8	4	NORTHERN ITALY	ML 1.3 (GEN)
17	08 09 54.7%	44.258 N	8.221 E	5 G	0.5	8	NORTHERN ITALY	ML 2.4 (GEN)
17	08 10 39.2%	44.264 N	8.211 E	5 G	0.4	9	NORTHERN ITALY	ML 2.0 (GEN)
17	08 12 31.7%	44.258 N	8.197 E	5 G	0.6	8	NORTHERN ITALY	ML 1.9 (GEN)
17	08 12 55.0%	44.275 N	8.176 E	5 G	0.2	6	NORTHERN ITALY	ML 1.5 (GEN)
17	08 14 47.2	44.212 N	8.342 E	5 G	0.8	22	NORTHERN ITALY	ML 2.7 (LDG), 2.4 (GEN)
17	08 16 32.2%	44.265 N	8.207 E	5 G	0.5	8	NORTHERN ITALY	ML 1.9 (GEN)
17	08 17 25.0	44.259 N	8.198 E	5 G	0.6	15	NORTHERN ITALY	ML 2.6 (LDG), 2.4 (GEN)
17	08 22 17.3%	44.261 N	8.209 E	5 G	0.4	8	NORTHERN ITALY	ML 1.9 (GEN)
17	08 31 55.1%	44.263 N	8.207 E	5 G	0.4	8	NORTHERN ITALY	ML 1.8 (GEN)
17	08 33 10.8%	39.162 N	27.625 E	10 G	0.4	5	TURKEY	ML 2.6 (ISK)
17	08 33 47.5%	44.262 N	8.196 E	5 G	0.5	8	NORTHERN ITALY	ML 1.7 (GEN)
17	08 43 45.0	44.209 N	8.334 E	5 G	0.7	22	NORTHERN ITALY	ML 2.9 (LDG), 2.8 (GEN)

17	08 43 51.4%	44.261 N	8 209 E	5 G	0 5	6	NORTHERN ITALY.	ML 2.5 (GEN).
17	08 45 11.7%	44.264 N	8.198 E	5 G	0 5	8	NORTHERN ITALY.	ML 2.0 (GEN).
17	08 46 51 9	44.253 N	8 208 E	5 G	0 8	14	NORTHERN ITALY.	ML 2.3 (LDG), 2.2 (GEN).
17	08 48 36 5	44.252 N	8.223 E	5 G	0 6	14	NORTHERN ITALY.	ML 2.6 (GEN), 2.4 (LDG).
17	08 51 32 6	44.216 N	8.240 E	8	0 6	33	NORTHERN ITALY.	ML 3.4 (LDG), 3.3 (GEN).
17	08 52 05.2%	44.086 N	8.353 E	5 G	0 8	6	NORTHERN ITALY.	ML 1.5 (GEN).
17	08 53 07 8%	44.266 N	8.204 E	5 G	0 5	7	NORTHERN ITALY.	ML 1.6 (GEN).
17	08 54 59 2%	39.127 N	27.511 E	10 G	0 2	5	TURKEY.	ML 2.7 (ISK).
17	08 55 42 4%	44.272 N	8.198 E	5 G	0 5	8	NORTHERN ITALY.	ML 1.7 (GEN).
17	08 56 04 8%	44.261 N	8.212 E	5 G	0 4	8	NORTHERN ITALY.	ML 1.8 (GEN).
17	08 56 49 8	44.207 N	8.207 E	10 G	0 8	30	NORTHERN ITALY.	ML 3.8 (GEN), 3.3 (LDG).
17	08 57 19 3%	44.256 N	8.197 E	5 G	0 3	5	NORTHERN ITALY.	ML 1.5 (GEN).
17	08 58 29 6	44.254 N	8 228 E	5 G	0 8	12	NORTHERN ITALY.	ML 2.3 (LDG), 1.8 (GEN).
17	09 01 32 1?	44.51 N	17.17 E	10 G	0 8	6	NORTHWESTERN BALKAN REGION.	ML 2.9 (ZAG).
17	09 02 27 5%	44.264 N	8.228 E	5 G	0 5	8	NORTHERN ITALY.	ML 2.1 (GEN).
17	09 02 32.2%	44.261 N	8.226 E	5 G	0 6	8	NORTHERN ITALY.	ML 2.2 (GEN).
17	09 03 52.5%	44.274 N	8.202 E	5 G	0 6	8	NORTHERN ITALY.	ML 1.7 (GEN).
17	09 05 25 3%	39.244 N	27.748 E	10 G	0 5	5	TURKEY.	ML 2.8 (ISK).
17	09 06 21 1%	39.636 N	29.015 E	10 G	0 5	12	TURKEY.	ML 3.0 (ISK).
17	09 07 42 3%	44.266 N	8.220 E	5 G	0 5	8	NORTHERN ITALY.	ML 1.7 (GEN).
17	09 08 02 6	44.248 N	8.263 E	5 G	0 6	12	NORTHERN ITALY.	ML 2.4 (LDG), 2.2 (GEN).
17	09 08 37 0	44.202 N	8 282 E	10	0 8	25	NORTHERN ITALY.	ML 3.7 (GEN), 3.2 (LDG).
17	09 12 21.0%	44.264 N	8.193 E	5 G	0 5	8	NORTHERN ITALY.	ML 1.7 (GEN).
17	09 18 07 8	44.207 N	8.318 E	5 G	0 7	20	NORTHERN ITALY.	ML 2.8 (GEN), 2.5 (LDG).
17	09 18 11.4%	44.275 N	8.233 E	5 G	0 6	7	NORTHERN ITALY.	ML 2.6 (GEN).
17	09 20 03 8+	34.156 N	141.380 E	33 N	4 3	9	16	OFF EAST COAST OF HONSHU, JAPAN
17	09 21 54 9	44.260 N	8 202 E	5 G	0 8	17	NORTHERN ITALY.	ML 2.5 (GEN), 2.3 (LDG).
17	09 26 40 4	44.255 N	8 245 E	5 G	0 7	20	NORTHERN ITALY.	ML 2.5 (GEN), 2.4 (LDG).
17	09 27 28 4?	44.23 N	8.32 E	5 G	0 8	4	NORTHERN ITALY.	ML 1.2 (GEN).
17	09 29 31.3%	44.257 N	8.242 E	5 G	0 5	9	NORTHERN ITALY.	ML 1.9 (GEN).
17	09 30 06.6%	44.293 N	8.196 E	5 G	0 6	6	NORTHERN ITALY.	ML 1.5 (GEN).
17	09 36 26.3%	44.264 N	8.211 E	5 G	0 6	8	NORTHERN ITALY.	ML 2.0 (GEN).
17	09 36 49.7%	45.250 N	7.795 E	10 G	0 4	6	NORTHERN ITALY.	ML 2.1 (GEN).
17	09 36 50.1%	44.238 N	8.251 E	5 G	0 7	5	NORTHERN ITALY.	ML 1.1 (GEN).
17	09 39 35.7%	44.263 N	8.197 E	5 G	0 7	6	NORTHERN ITALY.	ML 1.4 (GEN).
17	09 39 45.7%	44.268 N	8.208 E	5 G	0 7	6	NORTHERN ITALY.	ML 1.6 (GEN).
17	09 41 55 9	44.263 N	8.228 E	5 G	0 6	21	NORTHERN ITALY.	ML 2.6 (GEN), 2.4 (LDG).
o 17	09 46 34.6	28.011 N	99.636 E	31 D	5 3 4 8	1 0	272	YUNNAN, CHINA. Mw 5.4 (HRV). ML 5.8 (BJI). Some damage in northwestern Yunnan Province.
17	09 46 38 3?	51.10 N	15.81 E	10 G	0 6	4	POLAND.	MG 2.8 (WAR).
17	09 47 49.0?	32.78 S	69.01 W	120 G	0 1	6	MENDOZA PROVINCE, ARGENTINA	
17	09 47 59.0	44.220 N	8.275 E	5 G	0 8	18	NORTHERN ITALY.	ML 2.2 (LDG), 2.1 (GEN).
17	09 59 31.2	44.268 N	8.228 E	5 G	0 7	22	NORTHERN ITALY.	ML 2.8 (GEN), 2.7 (LDG).
17	10 09 44.2	44.224 N	8.321 E	5 G	0 9	14	NORTHERN ITALY.	ML 2.1 (GEN), 2.1 (LDG).
17	10 13 53.3%	44.253 N	8.233 E	5 G	0 7	8	NORTHERN ITALY.	ML 1.9 (GEN).
17	10 34 59.1	44.209 N	8.293 E	5 G	1 0	120	NORTHERN ITALY.	ML 4.5 (GEN), 4.4 (STR), 4.2 (VIE), 4.1 (LDG).
17	10 37 27.3%	44.271 N	8.215 E	5 G	0 3	6	NORTHERN ITALY.	ML 1.4 (GEN).
17	10 37 46.2%	44.251 N	8.235 E	5 G	0 4	7	NORTHERN ITALY.	ML 1.6 (GEN).
17	10 38 12.5%	44.300 N	8.199 E	5 G	0 4	6	NORTHERN ITALY.	ML 1.3 (GEN).
17	10 38 18.0	44.170 N	8.389 E	5 G	0 9	18	NORTHERN ITALY.	ML 3.2 (LDG), 2.5 (GEN).
17	10 40 16.4	44.241 N	8.250 E	5 G	0 6	18	NORTHERN ITALY.	ML 2.3 (LDG), 2.1 (GEN).
17	10 40 50.9%	44.260 N	8.232 E	5 G	0 4	7	NORTHERN ITALY.	ML 1.6 (GEN).
17	10 41 31.7%	44.269 N	8.204 E	5 G	0 5	8	NORTHERN ITALY.	ML 1.8 (GEN).
17	10 41 44.9%	44.267 N	8.243 E	5 G	0 5	6	NORTHERN ITALY.	ML 1.5 (GEN).
17	10 42 16.6%	44.265 N	8.211 E	5 G	0 5	8	NORTHERN ITALY.	ML 1.7 (GEN).
17	10 43 13.7	44.260 N	8.204 E	5 G	0 6	11	NORTHERN ITALY.	ML 2.2 (LDG), 2.0 (GEN).
17	10 45 44 4%	44.263 N	8.232 E	5 G	0 4	6	NORTHERN ITALY.	ML 1.4 (GEN).
17	10 47 25 0%	44.269 N	8.209 E	5 G	0 4	8	NORTHERN ITALY.	ML 1.6 (GEN).
17	10 47 32 0%	44.254 N	8.228 E	5 G	0 6	5	NORTHERN ITALY.	ML 1.8 (GEN).
17	10 47 35.9	44.261 N	8.206 E	5 G	0 6	14	NORTHERN ITALY.	ML 2.6 (LDG), 2.4 (GEN).
17	10 47 41.9?	44.28 N	8.22 E	5 G	0 6	4	NORTHERN ITALY.	ML 1.8 (GEN).
17	10 48 18.5	44.196 N	8.287 E	5 G	0 7	25	NORTHERN ITALY.	ML 2.9 (LDG), 2.6 (GEN).
17	10 49 31.6?	33.23 S	72.28 W	10 G	0 3	9	OFF COAST OF CENTRAL CHILE.	MD 3.8 (SAN).
17	10 51 10 8%	44.263 N	8.203 E	5 G	0 6	6	NORTHERN ITALY.	ML 1.4 (GEN).
17	11 00 21.4%	44.258 N	8.218 E	5 G	0 5	6	NORTHERN ITALY.	ML 1.5 (GEN).
17	11 01 32 3	44.246 N	8.201 E	5 G	0 5	18	NORTHERN ITALY.	ML 2.3 (LDG), 2.2 (GEN).
17	11 03 21.2%	39.663 N	29.459 E	10 G	0 9	8	TURKEY.	ML 2.7 (ISK).
17	11 04 23.9%	44.266 N	8.194 E	5 G	0 7	5	NORTHERN ITALY.	ML 1.2 (GEN).
17	11 04 50.3%	44.266 N	8.204 E	5 G	0 7	6	NORTHERN ITALY.	ML 1.5 (GEN).
17	11 08 22.0	44.209 N	8.275 E	5 G	1 0	94	NORTHERN ITALY.	ML 3.7 (GEN), 3.6 (LDG), 3.1 (STR), MD 3.7 (ROM).
17	11 09 47.1	44.253 N	8.246 E	5 G	0 5	13	NORTHERN ITALY.	ML 2.1 (GEN).
17	11 11 29.5	44.255 N	8.225 E	5 G	0 5	15	NORTHERN ITALY.	ML 2.6 (LDG), 2.4 (GEN).
17	11 18 45.0%	44.237 N	8.237 E	5 G	0 5	6	NORTHERN ITALY.	ML 1.4 (GEN).
17	11 18 57 6	44.185 N	8.340 E	10	0 7	25	NORTHERN ITALY.	ML 3.0 (LDG), 2.8 (GEN).
17	11 20 05 2?	31.14 S	69.71 W	120 G	0 4	5	SAN JUAN PROVINCE, ARGENTINA	
17	11 20 43 6%	44.255 N	8.219 E	5 G	0 5	5	NORTHERN ITALY.	ML 1.3 (GEN).
17	11 20 46.9%	44.253 N	8.211 E	5 G	0 4	7	NORTHERN ITALY.	ML 1.8 (GEN).
17	11 21 27.7	44.251 N	8.227 E	5 G	0 6	15	NORTHERN ITALY.	ML 2.5 (LDG), 2.4 (GEN).
17	11 22 14 6?	44.27 N	8.24 E	5 G	0 1	4	NORTHERN ITALY.	ML 1.4 (GEN).
17	11 31 03.0%	44.265 N	8.214 E	5 G	0 5	8	NORTHERN ITALY.	ML 1.8 (GEN).
17	11 32 16 6%	44.257 N	8.210 E	5 G	0 5	6	NORTHERN ITALY.	ML 1.5 (GEN).
17	11 32 26.2%	44.281 N	8.220 E	5 G	0 4	5	NORTHERN ITALY.	ML 1.6 (GEN).
17	11 41 12 3%	44.256 N	8.193 E	5 G	0 4	7	NORTHERN ITALY.	ML 1.5 (GEN).
17	11 41 50 8%	44.285 N	8.217 E	5 G	0 4	6	NORTHERN ITALY.	ML 1.5 (GEN).
17	11 48 33.9%	44.263 N	8 218 E	5 G	0 5	8	NORTHERN ITALY.	ML 2.0 (GEN).
17	11 51 38.5	44.184 N	8.256 E	11	0 8	28	NORTHERN ITALY.	ML 3.2 (LDG), 3.1 (GEN).
17	11 54 47.4%	44.260 N	8.227 E	5 G	0 6	6	NORTHERN ITALY.	ML 1.6 (GEN).
17	11 56 39.7%	44.263 N	8.219 E	5 G	0 4	8	NORTHERN ITALY.	ML 2.0 (GEN).
17	11 58 42 6?	44.23 N	8.26 E	5 G	0 8	4	NORTHERN ITALY.	ML 1.4 (GEN).
17	12 09 57.1?	39.14 N	27.61 E	10 G	0 8	4	TURKEY.	ML 2.7 (ISK).
17	12 14 21.6%	37.749 S	177.470 E	56 ?	0 3	13	OFF E COAST OF N. ISLAND, N.Z.	

17	12 16 57 6% 44 281 N	8 217 E	5 G	0.4	5	NORTHERN ITALY ML 1.4 (GEN).
17	12 24 29 5* 24 641 S	179.945 W	500 G	4.4	1.0	13 SOUTH OF FIJI ISLANDS
17	12 29 21 1* 33 290 S	72.076 W	14	0.6	14	OFF COAST OF CENTRAL CHILE. MD 4 2 (SAN).
17	12 30 02 5? 44 22 N	8.26 E	5 G	0.7	4	NORTHERN ITALY. ML 1.3 (GEN)
17	12 34 45.4 33 070 N	140.825 E	22 D	5.2	1.2	199 SOUTH OF HONSHU, JAPAN
17	12 40 30 1% 44 263 N	8.191 E	5 G	0.5	7	NORTHERN ITALY. ML 1.9 (GEN).
17	12 43 54.8% 39 655 N	28.996 E	10 G	0.6	9	TURKEY. ML 2.8 (ISK).
17	12 44 18.1% 44 231 N	8.275 E	5 G	0.8	5	NORTHERN ITALY. ML 1.2 (GEN).
17	12 44 20.3% 44 260 N	8.212 E	5 G	0.5	6	NORTHERN ITALY. ML 1.7 (GEN).
17	13 06 26.3% 44 255 N	8.241 E	5 G	0.6	6	NORTHERN ITALY. ML 1.5 (GEN).
17	13 18 57.0 45.581 N	5.965 E	10 G	0.9	17	FRANCE. ML 2.4 (LDG).
17	13 22 00.9% 40 471 N	29.272 E	10 G	0.4	11	TURKEY. ML 2.8 (ISK).
17	13 22 13 7% 44 260 N	8.216 E	5 G	0.6	5	NORTHERN ITALY. ML 1.4 (GEN).
17	13 23 02 4? 44 25 N	8.23 E	5 G	0.7	4	NORTHERN ITALY. ML 1.3 (GEN).
17	13 23 16 4? 44 20 N	8.30 E	5 G	0.7	4	NORTHERN ITALY. ML 1.3 (GEN).
17	13 23 26.6? 44.25 N	8.22 E	5 G	0.4	4	NORTHERN ITALY. ML 1.3 (GEN).
17	13 24 42 3% 44.256 N	8.200 E	5 G	0.4	6	NORTHERN ITALY. ML 1.5 (GEN).
17	13 25 58 2& 63.431 N	151.072 W	13	42		CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC), 2 6 (PMR).
17	13 33 00 7% 44 256 N	8.200 E	5 G	0.5	6	NORTHERN ITALY. ML 1.8 (GEN).
17	13 37 01 6% 44 256 N	8.242 E	5 G	0.5	6	NORTHERN ITALY. ML 2.0 (GEN).
17	13 45 53.4? 44.27 N	8.23 E	5 G	0.3	4	NORTHERN ITALY. ML 1.4 (GEN).
17	13 46 06.0% 44 239 N	8.246 E	5 G	0.6	6	NORTHERN ITALY. ML 1.6 (GEN).
17	13 46 18 4? 44.29 N	8.21 E	5 G	0.1	4	NORTHERN ITALY. ML 1.2 (GEN).
17	13 46 28 1% 37.762 N	3.565 W	10 G	1.3	8	SPAIN. mbLg 2.8 (MDD).
17	13 50 39.4% 44.255 N	8.204 E	5 G	0.7	6	NORTHERN ITALY. ML 1.4 (GEN).
17	13 57 54 9? 39 57 N	29.47 E	10 G	0.8	4	TURKEY. ML 2.7 (ISK).
17	14 06 10.0? 42 04 N	139.11 E	33 N	4.2	1.4	4 HOKKAIDO, JAPAN REGION
17	14 29 11.5% 44 259 N	8.212 E	5 G	0.4	7	NORTHERN ITALY. ML 1.5 (GEN).
17	14 31 46.5% 44.255 N	8.208 E	5 G	0.4	6	NORTHERN ITALY. ML 1.6 (GEN).
17	14 39 07.6 37.145 N	141.126 E	46 D	4.8 4.2	1.2	126 NEAR EAST COAST OF HONSHU, JAPAN
17	14 44 10.9% 44.258 N	8.207 E	5 G	0.4	8	NORTHERN ITALY. ML 1.8 (GEN).
17	15 06 06.3% 39 107 N	27.607 E	10 G	0.7	6	TURKEY. ML 2.7 (ISK).
17	15 06 43.2% 31 663 S	67.487 W	33 N	1.5	8	SAN JUAN PROVINCE, ARGENTINA
17	15 12 29.2? 32.98 S	69.48 W	33 N	1.7	5	MENDOZA PROVINCE, ARGENTINA
17	15 19 07.3% 26 425 S	27.443 E	5 G	1.0	5	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
17	15 29 34.7& 58 303 N	142.693 W	10 G	12		GULF OF ALASKA. <AEIC>. ML 2.5 (AEIC).
17	15 47 11.7% 39 131 N	27.631 E	10 G	0.6	5	TURKEY. ML 2.7 (ISK)
17	15 54 45.5? 7.41 S	128.94 E	241 ?	1.7	6	BANDA SEA
17	16 00 54.9* 42.141 N	20.540 E	10 G	1.2	18	NORTHWESTERN BALKAN REGION. ML 3 0 (TTG), 2.4 (TIR).
17	16 07 55.4% 44.254 N	8.208 E	5 G	0.4	6	NORTHERN ITALY. ML 1.5 (GEN).
17	16 10 36.1 44.223 N	8.311 E	5 G	1.3	18	NORTHERN ITALY. ML 2.4 (GEN), 2 3 (LDG).
17	16 28 27.8& 38 480 N	118.334 W	8	6		CALIFORNIA-NEVADA BORDER REGION <GM-P>. MD 2.7 (GM).
17	16 32 48.2% 44.262 N	8 209 E	5 G	0.4	8	NORTHERN ITALY. ML 1.9 (GEN).
17	16 33 15.9? 44.26 N	8 25 E	5 G	0.8	4	NORTHERN ITALY. ML 1.3 (GEN).
17	16 33 20.1% 26 897 S	26.820 E	5 G	0.9	6	REPUBLIC OF SOUTH AFRICA ML 2 6 (PRE).
17	16 35 22.5% 44 217 N	8 322 E	5 G	1.2	8	NORTHERN ITALY. ML 1 4 (GEN).
17	16 35 25.2% 44 257 N	8.217 E	5 G	0.5	5	NORTHERN ITALY. ML 1.8 (GEN)
17	17 17 30.0 2 036 N	126.678 E	63	5.6	1.2	219 NORTHERN MOLUCCA SEA. Mw 5.5 (HRV).
17	17 25 34.2 37.327 N	20.799 E	10 G	3.7	1	34 IONIAN SEA MD 3.9 (ATH).
17	17 31 47.5% 40 755 N	30 300 E	10 G	0.3	5	TURKEY ML 2.6 (ISK).
17	17 47 25.2* 42.138 N	139 089 E	33 N	3.9	1.0	6 HOKKAIDO, JAPAN REGION
17	17 49 24.5* 42.811 N	139.222 E	33 N	4.4	1.1	21 HOKKAIDO, JAPAN REGION
17	17 55 34.4* 31.801 N	81.731 E	33 N	4.5	0.8	17 XIZANG
17	18 03 11.0% 10.207 N	66.741 W	10 G	1.3	5	NEAR COAST OF VENEZUELA
17	18 12 01.9? 6 30 N	72.31 W	33 N	0.4	5	NORTHERN COLOMBIA
17	18 25 45.7% 44 455 N	6.889 E	5 G	0.4	8	FRANCE. ML 2.1 (GEN).
17	18 28 17.8* 42 179 N	139.171 E	33 N	4.2	0.9	12 HOKKAIDO, JAPAN REGION
17	18 36 01.9% 45 331 N	5.434 E	10 G	1.3	8	FRANCE. ML 2.3 (LDG).
17	18 47 03.7% 44 263 N	8.209 E	5 G	0.4	8	NORTHERN ITALY. ML 2.1 (GEN).
17	18 48 11.0? 44.25 N	8.24 E	5 G	0.9	4	NORTHERN ITALY. ML 1.0 (GEN).
17	18 48 19.7 29 880 N	51.489 E	33 N	4.4	0.7	21 SOUTHERN IRAN
17	18 49 56.8 44 185 N	8.328 E	5 G	0.7	24	NORTHERN ITALY. ML 2.9 (GEN), 2.9 (LDG).
17	18 49 58.9 42.036 N	139.196 E	34 D	4.6	1.2	52 HOKKAIDO, JAPAN REGION
17	18 52 19 9% 44.253 N	8.213 E	5 G	0.5	5	NORTHERN ITALY. ML 1.4 (GEN).
17	18 59 59.9 44.257 N	8.243 E	5 G	0.7	20	NORTHERN ITALY. ML 2.7 (GEN), 2.4 (LDG).
17	19 11 07.1* 54.750 N	159.620 W	33 N	4.4	1.2	35 SOUTH OF ALASKA. ML 4 6 (PMR).
17	19 15 43.7% 30.321 S	67.516 W	33 N	0.8	6	SAN JUAN PROVINCE, ARGENTINA
17	19 21 27.6? 19.17 S	178.29 W	500 G	4.7	1.0	19 FIJI ISLANDS REGION
17	19 28 40.2* 10.152 N	62.279 W	10 G	0.6	8	NEAR COAST OF VENEZUELA
17	19 53 10 8 57.344 N	142.915 W	10 G	0.5	26	GULF OF ALASKA. ML 3.0 (PGC), 2.8 (AEIC).
17	20 25 58.6? 20.76 S	70.19 W	33 N	0.7	5	NEAR COAST OF NORTHERN CHILE
17	20 52 30 3? 37.51 N	15.19 E	10 G	0.1	4	SICILY
17	20 57 57.5* 6.241 S	147.068 E	33 N	3.6	1.6	10 EASTERN NEW GUINEA REG., P.N.G.
17	21 35 45 7? 39 63 N	29.04 E	10 G	0.9	4	TURKEY. ML 2.7 (ISK).
17	21 37 47 4 30 103 S	71.700 W	74 *	4.8	1.2	29 NEAR COAST OF CENTRAL CHILE. MD 4.6 (SAN).
17	21 52 27 9? 33 22 S	72.30 W	10 G	0.4	10	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
17	21 58 22 7? 31 87 S	67.29 W	79 ?	0.6	7	SAN JUAN PROVINCE, ARGENTINA
17	22 15 30 9% 44.266 N	8.212 E	5 G	0.7	6	NORTHERN ITALY. ML 1.5 (GEN).
17	22 26 58 8& 37 636 N	118.857 W	8	7		CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
17	22 57 04.5* 42 054 N	139.098 E	33 N	4.1	1.2	17 HOKKAIDO, JAPAN REGION
17	23 38 16.2% 10.730 N	66.956 W	10 G	1.3	7	NEAR COAST OF VENEZUELA
17	23 43 09 2* 14 073 N	60.845 W	10 G	0.4	7	WINDWARD ISLANDS. MD 2 8 (TRN). ML 2 4 (FDF).
17	23 56 36 5 6 091 S	113.090 E	567 D	5.3	1.0	196 JAWA, INDONESIA. Mw 5 3 (HRV).
18	00 36 10.7? 44 54 N	7.16 E	5 G	0.2	4	NORTHERN ITALY. ML 1.4 (GEN).
18	00 41 43.2? 42 13 N	140.49 E	33 N	3.9	1.6	8 HOKKAIDO, JAPAN REGION
18	01 20 27.5% 44 255 N	8.227 E	5 G	0.7	5	NORTHERN ITALY. ML 1.4 (GEN).
18	01 43 34.7% 38 673 N	27.362 E	10 G	0.4	5	TURKEY. ML 2.9 (ISK).
18	02 12 35.9% 31 409 S	68.507 W	100 G	0.4	5	SAN JUAN PROVINCE, ARGENTINA
18	02 13 13.9 15 895 N	60.907 W	66	4.7	1 0	79 LEEWARD ISLANDS. Felt (III) an Guadeloupe and (II) an Martinique.
18	02 36 30.1* 18 034 N	95 000 E	33 N	4 1	1 0	8 MYANMAR
18	02 49 29 8% 44 261 N	8 202 E	5 G	0.4	5	NORTHERN ITALY ML 1 5 (GEN).
18	02 53 12.0% 31 407 S	68 996 W	112 ?	0.3	7	SAN JUAN PROVINCE, ARGENTINA

18	03 21 36 5%	44.250 N	8.221 E	5 G	0.6	5	NORTHERN ITALY ML 1.5 (GEN)
18	03 27 03 8%	37 11 N	20 98 E	10 G	1 2	22	IONIAN SEA MD 3.4 (ATH). ML 3.0 (THE)
18	03 33 58 2%	15 869 N	60 697 W	33	0.3	10	LEEWARD ISLANDS. MG 2.9 (FDF)
18	03 39 14.1%	44 264 N	8.219 E	5 G	0.5	7	NORTHERN ITALY ML 1.9 (GEN).
18	03 39 17.7%	32.25 S	69.89 W	120 G	0.2	5	MENDOZA PROVINCE, ARGENTINA
18	03 42 28.5	37.226 N	20.986 E	10 G	3.6	1.0	41 IONIAN SEA. MD 3.9 (ATH). ML 3.7 (THE).
18	03 57 40 9%	65.229 N	150.398 W	15		9	NORTHERN ALASKA. <AEIC> ML 2.5 (AEIC).
18	04 04 15 3%	31 31 S	68 47 W	100 G	0.5	5	SAN JUAN PROVINCE, ARGENTINA
18	04 16 24 3%	1 561 N	127.082 E	140 *	4.7	0.3	13 HALMAHERA, INDONESIA
18	04 20 28 5%	18.21 N	68 00 W	120 G	0.3	7	MONA PASSAGE
18	04 35 23.9%	31.43 S	68.63 W	100 G	0.7	4	SAN JUAN PROVINCE, ARGENTINA
18	04 38 42 9%	31 38 S	69.13 W	120 G	0.6	4	SAN JUAN PROVINCE, ARGENTINA
18	04 59 35 4%	33 23 S	72.25 W	10 G	0.3	10	OFF COAST OF CENTRAL CHILE. MD 3.6 (SAN).
18	05 15 41 7%	21.11 S	68.72 W	130 G	0.9	6	CHILE-BOLIVIA BORDER REGION
18	05 28 53 0%	17.39 S	179.04 W	521 ?	4.6	1.2	18 FIJI ISLANDS REGION
18	05 37 06.0%	33.23 N	140.45 E	33 N	4.4	1.0	7 SOUTH OF HONSHU, JAPAN
18	05 48 19.9%	33.16 S	72.25 W	10	0.5	11	OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
18	05 54 16 0	32.773 S	70.173 W	100 G	0.9	20	CHILE-ARGENTINA BORDER REGION MD 4.2 (SAN).
18	05 59 51 6%	17.90 N	93.02 W	14 D	4.5	1 5	9 CHIAPAS, MEXICO
18	06 01 56 5%	63 406 N	151.029 W	10		51	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.0 (PMR)
18	06 09 58 6%	44.271 N	8.212 E	5 G	0.5	8	NORTHERN ITALY. ML 2.0 (GEN).
18	06 28 21 2	34.172 N	26.595 E	24 *	3.7	1 4	42 CRETE
18	06 45 55 8%	31 84 S	68.34 W	100 G	0.2	5	SAN JUAN PROVINCE, ARGENTINA
18	07 26 11 0	48 233 N	7.584 E	5 G	0.2	7	FRANCE. ML 1.9 (LDG), 1.2 (STR).
18	07 33 47.6	32.432 S	69.965 W	110 G	0.8	16	MENDOZA PROVINCE, ARGENTINA. MD 3.8 (SAN).
18	07 43 52 7%	30 036 N	139.149 E	397 *	4.4	0.7	23 SOUTH OF HONSHU, JAPAN
18	07 44 00 0%	39.179 N	27.583 E	10 G	0.3	6	TURKEY. ML 2.7 (ISK).
18	07 57 44 6%	7.97 S	127.59 E	98 ?	4.8	1 5	14 BANDA SEA
18	08 15 09 0%	31.75 S	69.59 W	120 G	0.7	5	SAN JUAN PROVINCE, ARGENTINA
18	08 36 47 2%	44.259 N	8.226 E	5 G	0.6	6	NORTHERN ITALY. ML 1.9 (GEN).
18	09 59 43.0%	44.261 N	8.223 E	5 G	0.5	7	NORTHERN ITALY. ML 2.0 (GEN).
18	10 00 12 7%	39.09 N	27.91 E	10 G	0.0	4	TURKEY. ML 2.8 (ISK).
18	10 47 55 4%	32.208 S	70.928 W	105 ?	1.0	18	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
18	11 19 43.9%	31.307 S	68.905 W	100 G	0.6	6	SAN JUAN PROVINCE, ARGENTINA
18	11 28 24.1%	39.645 N	29.469 E	10 G	1.3	5	TURKEY. ML 2.6 (ISK).
18	11 44 03.9%	44.261 N	8.229 E	5 G	0.5	6	NORTHERN ITALY. ML 1.6 (GEN).
18	11 50 25.3%	46.18 N	14.79 E	10 G	0.2	4	NORTHWESTERN BALKAN REGION. MD 2.1 (LUJ).
18	11 55 40.1%	39.015 N	27.983 E	10 G	0.2	5	TURKEY. ML 2.8 (ISK).
18	12 48 10.1%	59.949 N	153.122 W	115		49	SOUTHERN ALASKA. <AEIC>.
18	14 02 15.4%	44.258 N	8.234 E	5 G	0.5	5	NORTHERN ITALY. ML 1.3 (GEN).
18	14 02 58.1%	44.260 N	8.200 E	5 G	0.4	8	NORTHERN ITALY. ML 1.9 (GEN).
18	14 20 13.9%	35.29 S	179.92 W	235 ?	4.2	0.8	8 EAST OF NORTH ISLAND, N.Z.
18	14 53 58.8%	6.63 N	72.89 W	181 ?	3.9	1 0	6 NORTHERN COLOMBIA
18	15 06 00.6%	43.92 N	11.98 E	10 G	0.1	4	CENTRAL ITALY
18	15 10 28 1%	40 69 N	30.18 E	5 G	0.4	4	TURKEY. ML 2.6 (ISK).
18	15 32 27.6	35.374 N	2.466 W	10 G	0.8	12	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD)
18	16 29 12.2%	40.729 N	31.723 E	10 G	0.5	6	TURKEY MG 3.1 (DDA)
18	16 35 11.7%	34.158 N	116 398 W	0		6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS) Felt in the Yucca Valley area
18	16 39 23.4%	40.348 N	29.457 E	10 G	1 0	9	TURKEY ML 2.7 (ISK)
18	16 55 03.0%	18.69 N	66.30 W	33 N	0.5	6	PUERTO RICO REGION
18	17 22 16.4%	40.085 N	122.549 W	21		26	NORTHERN CALIFORNIA <GM-P> MD 3.1 (GM).
18	17 53 31.6%	31.65 S	69.33 W	120 G	0.6	6	SAN JUAN PROVINCE, ARGENTINA
18	17 59 40 3%	7.16 N	127.19 E	33 N	4.5	1 2	13 PHILIPPINE ISLANDS REGION
18	18 16 39.2%	36 21 S	178.15 E	234 ?	3.9	0.8	8 OFF E COAST OF N ISLAND, N.Z
18	18 18 44.7%	31.644 S	67.170 W	114 ?	0.7	10	SAN JUAN PROVINCE, ARGENTINA
18	18 55 26.8%	19.44 N	66.19 W	33 N	3.9	1.1	8 PUERTO RICO REGION
18	19 12 56.8%	26.408 S	27.455 E	5 G	1.1	6	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE)
18	19 25 08.5%	46.548 N	2.908 E	10 G	0.6	9	FRANCE. ML 1.9 (LDG)
18	19 44 10.1%	44.269 N	8.200 E	5 G	0.5	10	NORTHERN ITALY. ML 2.4 (GEN).
18	19 47 47.1%	44.260 N	8.209 E	5 G	0.5	6	NORTHERN ITALY. ML 1.5 (GEN).
18	20 32 05.4%	44.268 N	8.218 E	5 G	0.4	8	NORTHERN ITALY. ML 1.9 (GEN).
18	20 45 51.3%	13.134 N	143.194 E	218 *	4.5	0.6	14 SOUTH OF MARIANA ISLANDS
18	20 48 31.1%	34.137 N	116.603 W	2		7	SOUTHERN CALIFORNIA <PAS-P>. ML 2.7 (PAS).
18	21 08 06.4	31.463 S	69.545 W	120 G	0.8	16	SAN JUAN PROVINCE, ARGENTINA. MD 4.0 (SAN).
18	21 23 02.6%	31.31 S	69.23 W	120 G	0.1	5	SAN JUAN PROVINCE, ARGENTINA
18	21 54 24.7%	58 432 N	153.822 W	67		43	KODIAK ISLAND REGION. <AEIC>. ML 2.8 (AEIC).
18	21 55 19.4%	31.740 S	67.038 W	128 ?	0.8	8	SAN JUAN PROVINCE, ARGENTINA
18	22 02 38.1%	33.25 S	72.01 W	16 *	0.4	10	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
18	22 29 42.5%	37.79 N	3.53 W	5 G	0.1	4	SPAIN. mbLg 2.5 (MDD).
18	22 52 35.5%	37 764 N	3.565 W	10 G	0.9	7	SPAIN. mbLg 2.9 (MDD).
18	23 08 35 4%	37 926 N	120.267 W	19		3	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
18	23 25 47.1%	21.969 S	170.078 E	19 D	4.6 4.4	1.4	26 LOYALTY ISLANDS REGION
18	23 28 42 0%	44.261 N	8.206 E	5 G	0.5	5	NORTHERN ITALY ML 1.4 (GEN).
18	23 29 19 6%	31 37 S	68.58 W	100 G	0.3	5	SAN JUAN PROVINCE, ARGENTINA
18	23 57 07.7%	44 260 N	8 221 E	5 G	0.5	6	NORTHERN ITALY ML 1.6 (GEN).
19	00 20 44.3%	44.27 N	8 23 E	5 G	0.4	4	NORTHERN ITALY. ML 1.2 (GEN).
19	00 27 25.4%	19.833 S	70.163 W	91 ?	4.3	1 4	9 NEAR COAST OF NORTHERN CHILE
19	01 57 43.4%	36.51 N	27.48 E	10 G	1.3	4	DODECANESE ISLANDS. ML 3.5 (CSS).
19	02 03 12.9%	30.61 S	69.22 W	120 G	0.5	5	CHILE-ARGENTINA BORDER REGION
19	02 46 45.7%	60.048 N	139.318 W	6		19	SOUTHEASTERN ALASKA. <AEIC>. ML 2.9 (AEIC), 2.6 (PGC).
19	02 59 59.3%	44 257 N	8.220 E	5 G	0.5	5	NORTHERN ITALY. ML 1.3 (GEN).
19	03 00 47.7%	44.253 N	8.229 E	5 G	0.6	5	NORTHERN ITALY. ML 1.3 (GEN).
19	04 23 54 1%	31.15 S	68.53 W	100 G	0.2	4	SAN JUAN PROVINCE, ARGENTINA
19	04 47 08.1%	34.54 S	70.52 W	120 G	0.1	10	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
19	05 25 20.4%	15.713 N	60.964 W	10 G	0.4	6	LEEWARD ISLANDS. MG 2.5 (FDF).
19	05 46 21.4%	9.59 N	126.46 E	33 N	4.3	1 5	17 MINDANAO, PHILIPPINE ISLANDS
19	06 09 27.5%	38.004 S	175 920 E	190 G	1.1	25	NORTH ISLAND, NEW ZEALAND
19	07 04 35 0%	34.138 N	116.605 W	2		5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
19	08 00 04.7%	31 41 S	68.58 W	115 ?	0.7	7	SAN JUAN PROVINCE, ARGENTINA
19	08 21 25.5%	37.497 N	4.456 W	10 G	0.1	5	SPAIN. mbLg 2.8 (MDD).
19	08 25 05 0%	42.28 N	142.40 E	33 N	4.3	1 6	9 HOKKAIDO, JAPAN REGION
19	08 36 47.6%	34.541 N	23.794 E	27 *	4.4	1.4	56 CRETE. MD 3.9 (ATH).

19	08 43 34.9?	33.23 S	72 18 W	10 G	0.5	10	OFF COAST OF CENTRAL CHILE. MD 3.7 (SAN).
19	08 52 41.6%	44.251 N	8.236 E	5 G	0.5	6	NORTHERN ITALY ML 1.4 (GEN).
19	08 53 46.9?	27.24 N	35.03 E	10 G	0.4	9	WESTERN ARABIAN PENINSULA MD 4.0 (RYD), 3.9 (HLW).
19	09 12 31.2%	10 590 N	61 528 W	10 G	1.1	5	TRINIDAD
19	09 51 51.4	40 489 N	23.629 E	10 G	0.8	17	GREECE. ML 2.9 (THE)
19	09 58 49.2?	55.14 N	161 73 W	50 G	1.2	5	ALASKA PENINSULA ML 3.4 (PMR) Felt (III) at King Cove.
19	10 57 32.2%	61 195 N	4 527 E	10 G	1.2	9	SOUTHERN NORWAY. MD 2.3 (BER)
19	11 15 42.9?	32 99 N	5.43 W	5 G	0.9	4	MOROCCO. MG 1.8 (RTC).
19	11 18 11.7*	27.955 N	99.541 E	33 N	4.4	11	YUNNAN, CHINA. ML 3.8 (BJI).
19	11 37 09.0?	38 82 N	28.58 E	10 G	1.0	5	TURKEY. ML 2.7 (ISK)
19	11 45 09.8?	37.82 N	3 66 W	10 G	0.3	4	SPAIN. mbLg 2.5 (MDD).
19	11 56 06.8%	39 210 N	28 042 E	5 G	0.4	12	TURKEY. ML 3.2 (ISK).
19	12 17 13.7%	44.239 N	8 248 E	5 G	0.7	7	NORTHERN ITALY. ML 1.4 (GEN).
19	12 17 33.0%	44.262 N	8.205 E	5 G	0.7	6	NORTHERN ITALY. ML 1.5 (GEN)
19	12 18 40.5	44.197 N	8.352 E	5 G	0.7	23	NORTHERN ITALY. ML 2.8 (GEN). 2.8 (LDG).
19	12 21 12.5%	44.266 N	8.248 E	5 G	0.4	6	NORTHERN ITALY. ML 1.9 (GEN).
19	12 27 16.1%	44 257 N	8.237 E	5 G	0.4	8	NORTHERN ITALY ML 2.1 (GEN).
19	12 32 16.2%	37 644 N	119 806 W	39		4	CENTRAL CALIFORNIA <GM-P>. MD 2.9 (GM).
19	12 41 29.5	36 321 N	137.749 E	10 G	1.2	22	EASTERN HONSHU. JAPAN
19	13 00 54.1%	44 264 N	8.220 E	5 G	0.6	7	NORTHERN ITALY ML 1.7 (GEN)
19	13 19 48.0?	18 15 N	76.69 W	10 G	0.1	4	JAMAICA REGION. MD 3.2 (HOJ).
19	13 40 16.4	24 090 S	179.729 W	500 G	5.3	138	SOUTH OF FIJI ISLANDS
19	13 43 37.8?	39.69 N	29.45 E	10 G	1.1	4	TURKEY. ML 2.7 (ISK)
19	14 02 22.6?	5 93 N	125.93 E	261 ?	4.0	15	15 MINDANAO, PHILIPPINE ISLANDS
19	14 09 53.5%	26 913 S	26.753 E	5 G	1.6	5	REPUBLIC OF SOUTH AFRICA
19	14 21 00.6?	29.41 N	141.08 E	80 D	4.5	16	SOUTH OF HONSHU, JAPAN
19	14 32 47.6	39.540 N	28.257 E	10 G	0.7	15	TURKEY. ML 3.6 (ISK)
19	14 37 12.3	39 576 N	28 356 E	8	0.7	13	TURKEY. ML 3.1 (ISK)
19	14 57 22.1%	31.412 S	68.604 W	10 G	0.7	5	SAN JUAN PROVINCE. ARGENTINA
19	15 10 08.5	36.351 N	137.736 E	10 G	4.5 4.5	13	40 EASTERN HONSHU. JAPAN
19	15 11 25.3	18.399 N	100.348 W	56 ?	4.9 4.4	11	109 GUERRERO, MEXICO
19	16 44 11.0?	26 40 S	27.41 E	5 G	1.3	4	REPUBLIC OF SOUTH AFRICA. ML 1.8 (PRE).
19	17 19 32.1%	63 264 N	151 038 W	10		67	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.6 (PMR).
19	18 26 08.2*	51.211 N	15 819 E	10 G	1.0	8	POLAND. ML 3.2 (GRF)
19	18 34 50.1%	31 647 S	66.892 W	130 G	0.6	7	LA RIOJA PROVINCE. ARGENTINA
19	19 18 38.7	43 122 N	139.148 E	19 D	5.0 4.6	10	197 EASTERN SEA OF JAPAN
19	19 24 19.8*	41 426 N	22 820 E	5 G	0.5	6	NORTHWESTERN BALKAN REGION. ML 1.1 (SKO).
19	19 31 45.3*	55.945 S	27.569 W	33 N	5.2	18	18 SOUTH SANDWICH ISLANDS REGION
19	19 35 04.3	34.465 N	141.339 E	46 D	5.2 5.1	154	154 OFF EAST COAST OF HONSHU, JAPAN. Ms 4.9 (BRK).
19	21 06 23.5?	16.14 N	60.99 W	33 N	0.6	4	4 LEEWARD ISLANDS ML 1.6 (FDF)
19	21 45 45.0%	31.751 S	67.890 W	33 N	1.0	8	8 SAN JUAN PROVINCE. ARGENTINA
19	22 13 37.8%	46 481 N	7.776 E	10 G	1.2	6	6 SWITZERLAND. ML 2.0 (LDG).
19	22 26 25.9%	44 257 N	8.224 E	5 G	0.8	6	6 NORTHERN ITALY. ML 1.6 (GEN).
19	22 41 40.4	44.252 N	8.232 E	5 G	0.9	16	16 NORTHERN ITALY. ML 2.2 (GEN). 2.2 (LDG), 1.6 (STR).
19	22 51 44.1%	44 264 N	8.225 E	5 G	0.4	8	8 NORTHERN ITALY. ML 1.8 (GEN).
19	22 52 08.1%	44 257 N	8.225 E	5 G	0.4	8	8 NORTHERN ITALY ML 2.2 (GEN)
19	23 19 35.2?	40 81 N	30.06 E	10 G	0.6	4	4 TURKEY ML 2.7 (ISK)
19	23 23 54.9*	41.883 N	139.145 E	29 *	4.2	1.4	9 HOKKAIDO, JAPAN REGION
19	23 25 05.7	44.257 N	8.235 E	5 G	0.7	20	20 NORTHERN ITALY. ML 2.6 (GEN). 2.4 (LDG)
20	00 26 34.7?	39.35 N	28 80 E	10 G	0.6	4	4 TURKEY. ML 2.7 (ISK)
20	00 42 53.7	60.336 N	152 210 W	104 D	4.5	0.9	127 SOUTHERN ALASKA. Felt (IV) at Homer and Ninilchik. Felt (II) at Tyonek. Also felt at Anchorage and Kenai.
20	00 46 12.7%	44.262 N	8.206 E	5 G	0.6	7	7 NORTHERN ITALY. ML 1.9 (GEN).
20	01 06 15.0?	39.60 N	16 26 E	10 G	1.3	4	4 SOUTHERN ITALY
20	01 16 59.2%	44.274 N	8.233 E	5 G	0.4	6	6 NORTHERN ITALY ML 1.9 (GEN).
20	01 18 49.2?	39.60 N	16.26 E	10 G	1.3	4	4 SOUTHERN ITALY
20	01 19 26.3?	15.80 S	178.26 W	350 G	4.6	1.3	28 FIJI ISLANDS REGION
20	01 32 02.2%	39.467 N	28.281 E	10 G	0.3	5	5 TURKEY. ML 2.7 (ISK)
20	02 17 09.0*	42.735 N	145.713 E	33 N	4.2	1.5	10 HOKKAIDO, JAPAN REGION
20	02 18 04.8%	44.264 N	8.228 E	5 G	0.4	9	9 NORTHERN ITALY. ML 2.0 (GEN).
20	03 09 11.8%	63.512 N	150.835 W	14	3.6	82	82 CENTRAL ALASKA. <AEIC>. ML 4.2 (AEIC), 3.7 (PMR).
20	03 18 16.1%	39.531 N	28 312 E	10 G	0.4	5	5 TURKEY. ML 2.7 (ISK).
20	03 40 28.0	20.813 S	177 814 W	463 *	4.6	1.2	41 FIJI ISLANDS REGION
20	03 48 24.0%	52.911 N	5.519 W	10 G	0.2	5	5 UNITED KINGDOM
20	03 57 03.0%	38.767 N	112.056 W	2		15	15 UTAH. <SLC-P>. MD 3.6 (SLC) ML 3.4 (GS). Felt (V) at Glenwood; (IV) at Annabella, Elsinore and Richfield; (III) at Aurora and Kanosh; (II) at Kaasharem.
20	06 10 37.6	44.221 N	8.350 E	5 G	0.8	25	25 NORTHERN ITALY. ML 3.1 (GEN). 3.1 (LDG).
20	06 11 43.1%	31.649 S	68.522 W	10 G	1.7	5	5 SAN JUAN PROVINCE. ARGENTINA
20	06 19 32.8	42.055 N	18.914 E	5 G	0.6	13	13 NORTHWESTERN BALKAN REGION. MD 3.1 (TTG).
20	06 21 32.2	44.233 N	8.249 E	5 G	0.9	11	11 NORTHERN ITALY. ML 2.2 (GEN). 1.8 (STR).
20	06 21 59.8%	40 430 N	29.001 E	10 G	0.6	9	9 TURKEY. ML 3.1 (ISK).
20	06 24 19.0%	44 256 N	8.163 E	5 G	0.7	7	7 NORTHERN ITALY. ML 2.0 (GEN).
20	07 08 02.7	44 321 N	142.041 E	18 D	5.0 4.8	1.2	149 HOKKAIDO, JAPAN REGION
20	07 24 37.4%	44 253 N	8.239 E	5 G	0.4	8	8 NORTHERN ITALY ML 2.1 (GEN).
20	07 33 56.9%	44 277 N	8.215 E	5 G	0.5	6	6 NORTHERN ITALY. ML 1.5 (GEN).
a 20	07 38 19.4	16 807 S	172.595 W	31 D	5.2 5.7	1.4	172 SAMOA ISLANDS REGION. Mw 5.8 (HRV). Ms 6.0 (BRK). Mo=1.4*10**18 Nm (PPT).
20	07 48 41.5	31.754 S	68.822 W	123 *	0.8	21	21 SAN JUAN PROVINCE. ARGENTINA. MD 4.4 (SAN).
20	07 54 14.6?	33.23 S	72.30 W	10 G	0.4	11	11 OFF COAST OF CENTRAL CHILE. MD 3.9 (SAN).
20	07 54 27.2*	16 643 S	173.109 W	33 D	4.9 5.3	1.2	39 TONGA ISLANDS
20	07 56 01.6*	38.542 S	175.759 E	200	3.7	0.4	21 NORTH ISLAND, NEW ZEALAND
20	07 59 55.3%	63.963 N	148.911 W	129		62	62 CENTRAL ALASKA <AEIC>.
20	08 15 19.0?	26.93 S	26.76 E	5 G	1.6	4	4 REPUBLIC OF SOUTH AFRICA
20	08 40 35.7?	43.03 N	139.15 E	33 N	3.9	0.5	5 EASTERN SEA OF JAPAN
20	08 56 30.6%	38 474 S	175.610 E	221 *	0.6	29	29 NORTH ISLAND, NEW ZEALAND
20	08 58 58.7%	39.275 N	27.724 E	10 G	0.3	6	6 TURKEY. ML 2.7 (ISK).
20	09 03 50.0?	24 00 S	66.91 W	211 *	0.9	7	7 JUJUY PROVINCE. ARGENTINA
20	09 10 01.5?	39.14 N	27.63 E	10 G	0.3	4	4 TURKEY ML 2.8 (ISK).
20	09 24 49.9*	16 152 N	61 104 W	23	0.7	12	12 LEEWARD ISLANDS ML 3.1 (FDF)
20	09 25 31.3*	46 112 N	153 139 E	33 N	4.7	1.6	19 KURIL ISLANDS
20	09 33 24.0*	20.566 S	177.661 W	500 G	4.1	1.3	11 FIJI ISLANDS REGION

20	09	48	09	2%	44	261	N	8.242	E	5	G	0.4	8	NORTHERN ITALY	ML 2 5 (GEN)	
20	09	48	15	4%	41	171	N	28.470	E	10	G	0.9	6	TURKEY	ML 2.7 (ISK).	
20	09	54	57	6%	44	265	N	8.229	E	5	G	0.5	8	NORTHERN ITALY	ML 2 0 (GEN).	
20	10	02	59	5%	44	408	N	7.399	E	5	G	0.3	9	NORTHERN ITALY	ML 2 1 (GEN).	
20	10	24	43	4%	20	23	S	173.00	E	33	N	4.1	6	VANUATU ISLANDS REGION		
20	11	03	46	1%	16	57	S	173.30	W	33	N	5 0	1.4	15	TONGA ISLANDS	
20	11	18	09	6%	39	66	N	29.50	E	10	G	1.0	4	TURKEY	ML 2.8 (ISK).	
20	11	23	45	1	44	203	N	8.349	E	5	G	0.7	24	NORTHERN ITALY	ML 3 3 (GEN), 2 9 (LDG).	
20	11	24	34	8	44	221	N	8.263	E	5	G	0.7	14	NORTHERN ITALY	ML 2 6 (LDG), 2.2 (GEN).	
20	11	26	06	2%	44	260	N	8.211	E	5	G	0.6	7	NORTHERN ITALY	ML 1.4 (GEN).	
20	11	26	42	7	44	247	N	8.261	E	5	G	0.5	15	NORTHERN ITALY	ML 2.4 (GEN), 2.4 (LDG).	
20	11	27	25	9	44	256	N	8.237	E	5	G	0.3	12	NORTHERN ITALY	ML 2.2 (GEN), 2.2 (LDG).	
20	11	31	35	7%	44	266	N	8.209	E	5	G	0.3	7	NORTHERN ITALY	ML 2.1 (GEN).	
20	11	50	01	0%	39	30	N	27.77	E	10	G	0.7	4	TURKEY	ML 2.7 (ISK).	
20	11	55	24	4%	41	34	N	22.49	E	10	G	0.1	5	NORTHWESTERN BALKAN REGION	ML 1 8 (SKO).	
20	11	58	04	6%	37	256	N	121.640	W	4			60	CENTRAL CALIFORNIA	<GM-P>. MD 3.0 (GM). ML 3.1 (BRK), 2.8 (GS). Felt (IV) at Mount Hamilton. Also felt in the San Jose area.	
20	12	15	47	8%	44	257	N	8.238	E	5	G	0.4	7	NORTHERN ITALY	ML 2 0 (GEN).	
20	12	47	32	1%	31	572	S	69.339	W	120	G	0.6	8	SAN JUAN PROVINCE, ARGENTINA		
20	12	54	11	1%	43	856	N	7.113	E	10	G	0.7	8	NEAR SOUTH COAST OF FRANCE	ML 2 1 (GEN).	
20	13	05	51	2%	26	38	S	27.33	E	5	G	1.5	4	REPUBLIC OF SOUTH AFRICA	ML 1.9 (PRE).	
20	13	19	30	5%	59	683	N	152.956	W	94			59	SOUTHERN ALASKA	<AEIC>.	
20	13	26	04	6	27	374	N	139.990	E	465	D	5.4	1.0	348	BONIN ISLANDS REGION	Mw 5.3 (HRV). mb 5.6 (BRK).
20	13	29	10	7%	41	99	N	24.76	E	5	G	1.0	6	GREECE-BULGARIA BORDER REGION		
20	13	44	45	2%	43	11	N	140.40	E	33	N	4.2	1.6	8	HOKKAIDO, JAPAN	REGION
20	14	21	26	7	36	265	N	13.728	W	10	G	4.3	1.1	53	NORTH ATLANTIC OCEAN	MD 4 6 (RBA). mbLg 4 0 (MDD).
20	14	44	28	4%	39	258	N	27.785	E	10	G	0.9	5	TURKEY	ML 2.8 (ISK).	
20	14	50	21	2%	44	345	N	7.275	E	5	G	0.4	9	NORTHERN ITALY	ML 1 9 (GEN).	
20	14	56	12	4%	39	672	N	29.468	E	10	G	0.3	5	TURKEY	ML 2.8 (ISK).	
20	15	07	47	1%	44	590	N	7.401	E	10	G	0.4	7	NORTHERN ITALY	ML 2 0 (GEN).	
20	15	11	47	2%	41	243	N	23.426	E	10	G	0.2	6	GREECE-BULGARIA BORDER REGION		
20	15	25	01	7%	39	95	N	28.14	E	10	G	0.1	4	TURKEY	ML 2.9 (ISK).	
20	15	27	09	8%	22	96	S	177.57	W	301	?	4.0	1.0	20	SOUTH OF FIJI ISLANDS	
20	15	55	57	7%	44	352	N	7.303	E	5	G	0.3	6	NORTHERN ITALY	ML 1 7 (GEN).	
20	16	09	29	7%	31	233	S	68.757	W	99	?	0.5	7	SAN JUAN PROVINCE, ARGENTINA		
20	16	17	33	2%	26	32	S	27.60	E	5	G	1.0	4	REPUBLIC OF SOUTH AFRICA	ML 2 0 (PRE).	
20	16	50	44	8	52	917	S	27.174	E	10	G	5.1 5.2	1.2	39	SOUTH OF AFRICA	
20	17	22	44	7%	40	297	N	124.406	W	8			43	NEAR COAST OF NORTHERN CALIF.	<GM-P>. MD 3.6 (GM). ML 3.6 (BRK). Felt (IV) at Honeydew and Petrolia, (III) at Rio Dell and (II) at Fortuna.	
20	17	23	54	6%	33	921	N	116.882	W	12			7	SOUTHERN CALIFORNIA	<PAS-P>. ML 3.0 (PAS). Felt in the Banning area.	
20	17	24	10	4%	40	301	N	124.395	W	8			3	NEAR COAST OF NORTHERN CALIF.	<GM-P>. MD 2.7 (GM).	
20	18	34	17	9%	39	682	N	28.988	E	10	G	1.2	7	TURKEY	ML 2.8 (ISK).	
20	18	56	22	2%	37	570	N	118.843	W	4			7	CALIFORNIA-NEVADA BORDER REGION	<GM-P>. MD 2.7 (GM).	
20	19	47	01	9%	43	265	N	139.479	E	30	*	4.8	1.0	11	EASTERN SEA OF JAPAN	
20	20	42	54	0%	12	13	N	125.62	E	33	N	4.7	1.3	18	SAMAR, PHILIPPINE ISLANDS	
20	20	53	53	2%	42	694	N	12.985	E	10	G	0.4	8	CENTRAL ITALY		
20	21	18	58	2%	42	70	N	12.95	E	10	G	0.1	4	CENTRAL ITALY		
20	21	31	03	6%	42	70	N	12.96	E	10	G	0.2	4	CENTRAL ITALY		
20	22	14	59	7%	8	21	N	127.01	E	33	N	4.3	0.9	12	PHILIPPINE ISLANDS REGION	
20	22	28	50	9%	30	66	S	71.96	W	133	?	1.2	8	NEAR COAST OF CENTRAL CHILE		
20	23	19	51	7	42	701	N	12.985	E	10	G	1.1	8	CENTRAL ITALY		
20	23	39	49	9%	42	706	N	12.972	E	10	G	0.9	7	CENTRAL ITALY		
20	23	41	42	3%	42	69	N	12.97	E	10	G	0.3	4	CENTRAL ITALY		
20	23	54	46	4%	31	652	S	69.276	W	110	?	1.2	10	SAN JUAN PROVINCE, ARGENTINA		
21	00	21	29	5%	36	118	N	117.690	W	1			32	CALIFORNIA-NEVADA BORDER REGION	<PAS-P>. ML 3.0 (PAS), 2.8 (GS)	
21	00	23	09	7%	36	120	N	117.690	W	1			51	CALIFORNIA-NEVADA BORDER REGION	<PAS-P>. ML 3.6 (PAS), 3.6 (GS), 4.0 (BRK).	
21	00	30	16	9	0	087	S	16.710	W	10	G	5.5	0.9	229	NORTH OF ASCENSION ISLAND	
21	00	33	38	2%	16	017	N	60.864	W	31		0.2	12	LEEWARD ISLANDS	ML 3.1 (FDF).	
21	01	11	36	4%	42	71	N	12.98	E	5	G	0.5	4	CENTRAL ITALY		
21	01	17	47	4	38	338	S	175.935	E	203	*	0.5	27	NORTH ISLAND, NEW ZEALAND		
21	01	20	58	0%	40	693	N	34.841	E	5	G	1.0	6	TURKEY	MG 3.1 (DDA).	
21	01	21	57	7%	37	144	N	36.868	E	34		4.2	0.9	35	TURKEY	
21	01	50	03	0%	43	067	N	1.018	W	10	G	0.2	6	PYRENEES	ML 1.0 (STR).	
21	01	59	17	5	45	516	N	6.635	E	12		1.0	62	FRANCE	ML 3.3 (LDG), 3.2 (STR).	
21	02	23	12	6%	37	771	N	3.597	W	10	G	0.3	5	SPAIN	mbLg 2.7 (MDD).	
21	02	33	28	5%	44	336	N	7.256	E	5	G	0.4	6	NORTHERN ITALY	ML 2.1 (GEN).	
21	03	19	39	8%	45	465	N	6.658	E	5	G	0.1	7	FRANCE		
21	03	44	49	0%	26	34	S	27.47	E	5	G	0.4	4	REPUBLIC OF SOUTH AFRICA	ML 2 0 (PRE).	
21	04	25	12	1	42	705	N	1.038	E	10	G	0.8	12	PYRENEES	ML 3.1 (LDG). mbLg 3.0 (MDD).	
21	04	27	58	4%	44	759	N	6.666	E	10	G	0.3	6	FRANCE	ML 1.9 (GEN).	
21	04	54	38	6	43	389	N	8.157	E	10	G	0.6	17	CORSICA	ML 2.3 (GEN), 2.3 (LDG), 2.0 (STR).	
21	05	46	27	6%	26	372	S	27.317	E	5	G	0.8	6	REPUBLIC OF SOUTH AFRICA	ML 3.1 (PRE).	
21	06	29	41	0%	44	234	N	8.240	E	10	G	0.2	8	NORTHERN ITALY	ML 2 0 (GEN).	
21	07	40	09	3%	44	230	N	8.238	E	10	G	0.3	7	NORTHERN ITALY	ML 1.9 (GEN).	
21	08	08	26	2%	39	095	N	27.761	E	25	*	0.7	6	TURKEY	ML 2.8 (ISK).	
21	08	37	45	0%	10	58	S	123.16	E	33	N	4.3	1.6	5	TIMOR REGION, INDONESIA	
21	08	42	20	3%	31	744	S	69.763	W	130	?	0.6	8	SAN JUAN PROVINCE, ARGENTINA		
21	09	19	18	8%	31	02	S	68.95	W	106	?	1.2	6	SAN JUAN PROVINCE, ARGENTINA		
21	09	31	02	1%	39	111	N	27.600	E	10	G	0.4	6	TURKEY	ML 2.7 (ISK).	
21	09	45	39	3%	36	38	N	25.25	E	10	G	1.0	4	DODECANESE ISLANDS	MD 3.2 (ATH)	
21	09	49	36	3%	44	229	N	8.243	E	10	G	0.1	8	NORTHERN ITALY	ML 2.2 (GEN).	
21	09	49	44	8%	44	293	N	8.166	E	5	G	1.4	5	NORTHERN ITALY	ML 1.6 (GEN).	
21	10	18	57	5%	45	470	N	6.663	E	5	G	0.2	7	FRANCE	ML 2 0 (GEN).	
21	10	28	13	2%	39	63	N	29.41	E	10	G	1.3	4	TURKEY	ML 2 7 (ISK).	
21	10	28	17	4	2	400	N	127.572	E	67		5 3	1.1	126	NORTHERN MOLUCCA SEA	
21	10	30	29	2%	45	459	N	6.652	E	5	G	0.2	9	FRANCE	ML 2.4 (GEN).	
21	11	05	14	8%	7	21	S	128.68	E	108	?	4 8	1.4	9	BANDA SEA	
21	11	34	06	2%	51	167	N	15.875	E	10	G	1.4	6	POLAND		

21	11	58	02	0%	26.841 S	26 824 E	5 G	1 0	5	REPUBLIC OF SOUTH AFRICA ML 2 1 (PRE).
21	11	59	30	3%	44.222 N	8 268 E	10 G	0 2	5	NORTHERN ITALY ML 1 3 (GEN)
21	12	10	46	7%	62 539 N	149 573 W	12	61	CENTRAL ALASKA <AEIC> ML 2.7 (AEIC), 3.1 (PMR).	
21	12	11	56	4%	45.469 N	6 659 E	5 G	0 1	7	FRANCE ML 2 2 (GEN)
21	12	33	20	4*	39.453 N	73 079 E	33 N	4.2	1.1	12 TAJIKISTAN-XINJIANG BORDER REG ML 4 2 (BJI)
a 21	13	03	10	9%	35.97 S	97.98 W	10 G	5 0 5.1	1.6	33 WEST CHILE RISE Mw 5 7 (HRV)
21	13	04	53	7%	37 005 N	3 488 W	10 G		0.9	8 SPAIN mbLg 3 0 (MDD)
21	13	09	28	2	45 457 N	26 324 E	26		1.2	14 ROMANIA
21	14	00	46	8%	26 376 S	27.319 E	5 G		0 7	6 REPUBLIC OF SOUTH AFRICA ML 2 6 (PRE).
21	14	22	28	2*	18 598 N	119.522 E	10 G	4.6	1.2	8 PHILIPPINE ISLANDS REGION
21	15	07	41	2%	39.49 N	29 86 E	10 G		0.3	4 TURKEY. ML 2.6 (ISK).
21	15	09	53	8%	0.10 N	98.46 E	33 N	4.3	0.8	6 NORTHERN SUMATERA, INDONESIA
21	16	10	20	4%	60 577 N	145 482 W	12		32	SOUTHERN ALASKA <AEIC>. ML 2 5 (AEIC).
21	16	36	59	4%	40 220 N	124.109 W	14		25	NEAR COAST OF NORTHERN CALIF <GM-P> MD 3.0 (GM).
21	17	35	39	1%	44 369 N	7 343 E	5 G		0.2	5 NORTHERN ITALY. ML 1 6 (GEN).
21	17	35	59	7%	44.358 N	7.315 E	10 G		0.2	5 NORTHERN ITALY. ML 1.7 (GEN).
21	17	44	07	4	44.349 N	7 262 E	10 G		0.4	21 NORTHERN ITALY. ML 2 3 (GEN), 2.1 (LDG).
21	17	46	22	0%	44.354 N	7 312 E	5 G		0.3	6 NORTHERN ITALY. ML 1 7 (GEN)
21	18	28	11	4	7 359 S	129 103 E	54 ?	4 9	1 1	34 BANDA SEA
21	19	10	30	2%	44 255 N	8.215 E	5 G		0.5	6 NORTHERN ITALY ML 1.5 (GEN).
21	19	38	49	8*	48.706 S	125.937 E	10 G	4 9 4.7	1.2	32 SOUTH OF AUSTRALIA
21	19	47	56	3%	8 08 N	77 93 W	33 N		1 1	5 PANAMA-COLOMBIA BORDER REGION
21	19	48	29	3%	43.32 N	139 54 E	10 G	4 5	1 6	6 EASTERN SEA OF JAPAN
21	19	56	11	1%	37 807 N	3 590 W	10 G		1.3	5 SPAIN. mbLg 2.5 (MDD).
21	20	00	58	7%	44.263 N	8 213 E	5 G		0 4	8 NORTHERN ITALY. ML 1.9 (GEN).
21	20	02	26	3%	37 758 N	3 578 W	10 G		0 4	7 SPAIN. mbLg 2.9 (MDD).
21	20	16	17	1%	19 36 S	173 49 W	33 N	4 6	1.3	11 TONGA ISLANDS
21	20	29	30	1%	44.234 N	8 245 E	10 G		0 2	7 NORTHERN ITALY. ML 1.7 (GEN).
21	21	16	41	1%	28.354 S	68 343 W	10 G		0 9	8 LA RIOJA PROVINCE, ARGENTINA
21	21	35	48	3%	37.76 N	3.62 W	10 G		0.6	4 SPAIN. mbLg 2.4 (MDD)
21	21	37	35	0	22 252 N	121 228 E	43 *	4 5	1.0	28 TAIWAN REGION
a 21	22	06	29	7	13 349 N	90.771 W	10 G	5 1 5 4	1.1	148 NEAR COAST OF GUATEMALA. Mw 5.6 (HRV). Ms 5.0 (BRK)
21	22	08	45	0%	5.95 S	146.92 E	113 *	4 7	1 3	6 EASTERN NEW GUINEA REG., P.N.G.
21	22	30	29	1*	42.138 N	139 390 E	41 *	4 3	1.5	14 HOKKAIDO, JAPAN REGION
21	22	35	39	2	51.369 N	15 846 E	17		0 8	20 POLAND. ML 3.9 (GRF), 3.6 (VIE).
21	22	47	11	5%	45.50 N	26.47 E	130 G		1 0	5 ROMANIA
21	23	33	04	7%	31.28 S	68 86 W	100 G		0 7	4 SAN JUAN PROVINCE, ARGENTINA
21	23	40	45	0*	51 034 N	15 740 E	10 G		1 2	5 POLAND. MG 2.6 (WAR).
21	23	50	59	5%	18.185 N	66 995 W	33 N		0 6	7 PUERTO RICO REGION
22	00	47	50	5%	31.23 S	68.70 W	100 G		0 1	4 SAN JUAN PROVINCE, ARGENTINA
22	01	11	26	2	32.676 N	137 522 E	366	4.5	0 7	86 SOUTH OF HONSHU, JAPAN
22	01	14	54	6%	31.34 S	68.72 W	100 G		0 3	5 SAN JUAN PROVINCE, ARGENTINA
22	01	54	56	8	39.533 N	40.116 E	11	4.6	1 4	58 TURKEY
22	02	29	31	9%	32 06 S	69.18 W	120 G		0 5	5 MENDOZA PROVINCE, ARGENTINA
22	02	45	10	3*	36.816 N	25.497 E	10 G		1.2	9 DODECANESE ISLANDS MD 3 5 (ATH).
22	03	32	39	2%	61.296 N	146 769 W	22		56	SOUTHERN ALASKA <AEIC> ML 2.5 (AEIC).
22	03	49	38	0%	16.133 N	60.621 W	33 N		0 7	12 LEEWARD ISLANDS ML 3 1 (FDF)
22	03	51	15	7*	54.538 S	119.444 W	10 G	4.9 5.2	1 0	27 SOUTHERN EAST PACIFIC RISE. Mo=6 5*10**17 Nm (PPT).
22	04	14	02	7%	50.51 N	18.96 E	10 G		0 1	4 POLAND. ML 3.0 (WAR)
22	04	15	08	2%	44.235 N	8.231 E	10 G		0 2	8 NORTHERN ITALY ML 2 0 (GEN).
22	04	31	29	5%	31.160 S	69.316 W	110 G		0 6	8 SAN JUAN PROVINCE, ARGENTINA
22	04	50	36	5%	31.20 S	68.86 W	100 G		0 3	4 SAN JUAN PROVINCE, ARGENTINA
f 22	04	57	07	0	6.470 N	71.210 W	20 G	6.1 5.9	1.1	557 NORTHERN COLOMBIA. Mw 6 1 (GS), 6.0 (HRV). Ms 5.6 (BRK). Mo=3.0*10**18 Nm (PPT) Two people killed, some injured and many houses destroyed at Puerto Rondon, Puerto Colombia. Felt strongly in northeastern Colombia and western Venezuela Also felt at Bogota, Colombia and Caracas, Venezuela Two events about 3 seconds apart. Depth from broadband displacement seismograms, based on first event
22	06	03	56	2	6.470 N	71 078 W	33 N	4 6	1.3	19 NORTHERN COLOMBIA
22	06	12	26	4*	15.000 S	73.902 W	85 *	4.5	1 1	12 SOUTHERN PERU
a 22	06	16	09	4	54.439 S	119 333 W	10 G	5 6 6.0	1 2	153 SOUTHERN EAST PACIFIC RISE. Mw 6.0 (HRV). Ms 6.0 (BRK). Mo=3.2*10**18 Nm (PPT).
22	06	29	06	0%	28.570 S	67 095 W	140 G		0 4	8 LA RIOJA PROVINCE, ARGENTINA
22	06	56	45	3%	39.10 N	27.60 E	10 G		0 3	4 TURKEY. ML 2.6 (ISK).
22	06	59	02	5%	31.19 S	67.93 W	80 G		0 3	5 SAN JUAN PROVINCE, ARGENTINA
22	07	29	18	3*	17.678 S	167.992 E	33 N	4 2	1 4	34 VANUATU ISLANDS
22	07	38	26	6%	39.67 N	29.43 E	10 G		0 4	4 TURKEY. ML 2.7 (ISK).
22	07	47	39	5%	39.14 N	27.61 E	10 G		0 3	4 TURKEY. ML 2.7 (ISK).
22	07	50	15	5%	39.80 N	29.35 E	10 G		0 8	4 TURKEY. ML 2.7 (ISK).
22	07	54	18	3%	31.28 S	68.50 W	100 G		0 2	5 SAN JUAN PROVINCE, ARGENTINA
22	08	44	14	0%	39.254 N	27.753 E	10 G		0 5	6 TURKEY. ML 2.9 (ISK).
22	09	06	36	3%	39.18 N	27.64 E	10 G		0 9	4 TURKEY. ML 2.7 (ISK).
22	09	10	14	9%	39.64 N	29.43 E	10 G		1 0	4 TURKEY. ML 2 7 (ISK).
22	10	01	07	0%	42.105 N	70.932 W	5 G		1	1 SOUTHERN NEW ENGLAND. <WES-P>. mbLg 2.1 (GS). Felt (V) at Brockton, Hanson and West Bridgewater; (IV) at Abington, Avon, Bridgewater, Holbrook, Marshfield, North Easton, Rockland and Whitman; (III) at Plymouth and Randolph, Massachusetts.
22	10	06	44	8	41.947 N	139.318 E	33 N	4.6	1.2	68 HOKKAIDO, JAPAN REGION
22	10	18	04	5%	15.31 N	60.22 W	33 N		1.2	6 LEEWARD ISLANDS ML 2.6 (FDF).
22	10	31	12	3%	60.68 N	5.20 E	10 G		0 3	4 SOUTHERN NORWAY. MD 1.6 (BER).
22	10	32	44	4	46.158 N	13.419 E	10 G		0 8	12 AUSTRIA. MD 3.3 (LJU). ML 3.2 (VIE).
22	10	38	34	7%	31.12 S	68.67 W	100 G		0 2	5 SAN JUAN PROVINCE, ARGENTINA
22	10	58	03	1%	37.548 N	118.892 W	4		21	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
22	11	13	14	4%	42.999 N	18.768 E	5 G		0 6	5 NORTHWESTERN BALKAN REGION. ML 1.6 (TTG).
22	11	22	35	8	46.947 N	9.506 E	5		1.1	36 SWITZERLAND. ML 3.0 (LDG), 2.7 (STR), 2.7 (VIE).
22	11	40	01	0%	31.33 S	68 83 W	100 G		0 2	5 SAN JUAN PROVINCE, ARGENTINA
22	12	08	02	1	38.319 N	20.265 E	19	4 0	1.3	41 GREECE. ML 4.0 (TIR), 3.9 (ATH).
22	12	14	21	8%	39.275 N	27 743 E	10 G		1 0	5 TURKEY ML 2.7 (ISK)
a 22	12	15	36	1	21.760 N	144 261 E	127 D	5 6	1 1	285 MARIANA ISLANDS REGION Mw 5.7 (GS), 5.7 (HRV). mb 5.6 (BRK). Mo=3 8*10**17 Nm (PPT).

22	12	17	51.9%	44.227	N	8.243	E	10	G	0	3	6	NORTHERN ITALY. ML 1 5 (GEN)			
22	12	20	17.5	44.249	N	8.257	E	10		0	5	20	NORTHERN ITALY. ML 2.4 (GEN). 2 3 (LDG).			
22	13	06	56.1%	60.261	N	139.255	W	10	G	16			SOUTHEASTERN ALASKA. <PGC-P> ML 2.7 (PGC), 3 1 (AEIC).			
22	13	15	48.2	0	158	S	122.959	E	141	5.1	1	1	120	MINAHASSA PENINSULA, SULAWESI		
22	13	44	52.0	26	865	S	26.658	E	5	G	4	2	1	2	19	REPUBLIC OF SOUTH AFRICA ML 4 1 (PRE)
22	14	06	53.9%	37	524	S	179.717	W	33	N	4.0	0	4	12		EAST OF NORTH ISLAND, N Z ML 4 0 (WEL).
22	14	26	54.2%	39.686	N	26.298	E	21	*		0	2	7			TURKEY. ML 3.1 (ISK).
22	14	30	56.6%	38	102	N	21.639	E	5	G		1	4	6		GREECE MD 3.4 (ATH).
22	14	51	40.47	39	76	N	29.53	E	10	G		1	6	4		TURKEY. ML 2.7 (ISK).
22	14	52	58.3%	31	380	S	68.213	W	103	?	0	5	8			SAN JUAN PROVINCE, ARGENTINA
22	15	49	49.3%	41.146	N	28.780	E	10	G		0	3	5			TURKEY. ML 2.6 (ISK).
22	16	15	25.9%	40.005	N	27.489	E	10	G		0	1	6			TURKEY ML 2.7 (ISK).
22	16	44	28.57	42	69	N	12.94	E	10	G		0	1	4		CENTRAL ITALY
22	17	39	41.07	15	17	N	60.35	W	30	*	0	1	6			LEEWARD ISLANDS. ML 2.7 (FDF)
22	17	45	04.07	31.24	S	69.09	W	100	G		0	3	4			SAN JUAN PROVINCE, ARGENTINA
22	17	51	34.0%	61.893	N	149.525	W	38					48			SOUTHERN ALASKA. <AEIC>. ML 2 6 (AEIC).
22	18	31	34.47	13	13	N	89.66	W	75	*	4.2	0	7			EL SALVADOR
22	19	09	20.8	41	930	N	15.222	E	10	G		1	0	79		SOUTHERN ITALY MD 4.0 (TRI), 3 7 (FIR). ML 3 9 (TTG). 3 6 (ROM)
22	19	16	05.37	31	57	S	69.75	W	120	G		0	1	4		SAN JUAN PROVINCE, ARGENTINA
22	19	28	49.7	21	977	S	177.451	W	344	*	4	4	1	41		FIJI ISLANDS REGION
22	20	40	45.8	42	716	N	18.938	E	10	G		0	7	10		NORTHWESTERN BALKAN REGION. ML 2 5 (TTG).
22	20	41	14.8	18	580	N	69.056	W	109	D	4.8	0	9	136		DOMINICAN REPUBLIC REGION. Felt in the eastern part of Dominican Republic. Felt (III) at Mayaguez and Moca, Puerto Rico. Also felt at Bayamon, Puerto Rico
22	21	27	42.3%	37	664	S	176.051	E	341	?		0	5	23		NORTH ISLAND, NEW ZEALAND
22	22	13	43.9%	28	248	S	66.600	W	160	G		0	5	8		CATAMARCA PROVINCE, ARGENTINA
22	22	50	36.97	46	87	N	9.69	E	10	G		0	5	4		SWITZERLAND
22	22	52	53.3%	37	780	N	3.582	W	10	G		0	2	7		SPAIN mbLg 2.6 (MDD)
22	23	00	51.9	38	144	N	20.590	E	30		4.2	1	2	45		GREECE. ML 4.0 (TIR). MD 3.8 (ATH).
23	00	35	14.7%	36	631	N	69.621	E	33	N	4.0	0	2	5		HINDU KUSH REGION, AFGHANISTAN
23	00	36	29.0%	60	122	N	153.403	W	141		3.5		83			SOUTHERN ALASKA <AEIC>
23	00	58	36.9	5	805	N	71.806	W	33	N		1	5	7		COLOMBIA
23	01	15	48.8%	42	942	N	18.574	E	10	G		0	8	8		NORTHWESTERN BALKAN REGION. ML 1 9 (TTG).
23	01	25	17.07	31	26	S	68.55	W	86	?	0	1	5			SAN JUAN PROVINCE, ARGENTINA
23	01	31	39.0%	37	553	N	118.889	W	5				8			CALIFORNIA-NEVADA BORDER REGION <GM-P>. MD 2.7 (GM).
23	02	35	50.9%	40	883	N	124.373	W	21				9			NEAR COAST OF NORTHERN CALIF <GM-P> MD 3.1 (GM). ML 3.4 (BRK).
23	03	02	23.1%	44	233	N	8.286	E	5	G		0	7	9		NORTHERN ITALY. ML 1.8 (GEN)
23	03	02	34.9%	44	255	N	8.249	E	10	G		0	7	5		NORTHERN ITALY. ML 1.8 (GEN).
23	03	02	40.27	44	25	N	8.28	E	10	G		0	1	4		NORTHERN ITALY. ML 1.9 (GEN)
23	03	03	34.3	44	234	N	8.273	E	5	G		0	7	12		NORTHERN ITALY. ML 2.2 (LDG). 2 1 (GEN).
23	03	06	59.7%	44	276	N	8.238	E	5	G		0	3	6		NORTHERN ITALY. ML 1.5 (GEN).
23	03	08	28.4%	44	261	N	8.239	E	5	G		0	4	8		NORTHERN ITALY. ML 1.4 (GEN).
23	03	08	39.2	44	238	N	8.246	E	10	G		0	4	12		NORTHERN ITALY. ML 2.2 (LDG). 2 0 (GEN).
23	03	49	18.8	42	859	N	139.264	E	20	D	4.7	1	1	78		HOKKAIDO, JAPAN REGION
23	03	50	16.3%	13	448	N	90.769	W	33	N	4.3	0	8	29		NEAR COAST OF GUATEMALA
23	03	59	28.3%	38	300	N	1.289	W	10	G		1	0	9		SPAIN. mbLg 2.9 (MDD).
23	04	35	04.6%	59	827	N	153.237	W	127				35			SOUTHERN ALASKA. <AEIC>.
23	05	07	52.4%	30	904	S	68.910	W	90	G		0	1	5		SAN JUAN PROVINCE, ARGENTINA
23	05	57	15.07	42	11	N	138.96	E	33	N	4.2	1	4	6		EASTERN SEA OF JAPAN
23	06	30	23.8	42	478	N	105.703	W	5	G		1	1	16		WYOMING. ML 3.7 (GS). Felt (IV) in the Laramie Peak area. Also felt at Laramie.
23	06	38	46.17	31	74	S	69.59	W	120	G		0	9	5		SAN JUAN PROVINCE, ARGENTINA
23	07	33	55.1%	35	488	N	140.292	E	76	?	4.5	0	6	13		NEAR EAST COAST OF HONSHU, JAPAN
23	07	47	54.77	31	89	S	67.55	W	10	G		1	5	6		SAN JUAN PROVINCE, ARGENTINA
23	09	05	00.0%	20	465	S	68.080	W	120	G		1	1	6		CHILE-BOLIVIA BORDER REGION
23	09	14	42.0%	17	899	S	168.059	E	33	N	4.3	4.0	1	18		VANUATU ISLANDS
23	09	21	19.77	24	35	S	64.70	W	113	?		1	0	9		SALTA PROVINCE, ARGENTINA
23	09	31	27.3%	15	010	S	167.304	E	112	*	4.8	0	9	55		VANUATU ISLANDS
23	09	39	59.1%	41	113	N	28.720	E	10	G		0	2	5		TURKEY. ML 2.8 (ISK).
23	09	40	46.1%	44	307	N	8.015	E	5	G		0	3	10		NORTHERN ITALY ML 2.1 (GEN).
23	10	26	23.47	45	26	N	25.35	E	10	G		1	0	4		ROMANIA
23	11	04	54.2%	13	365	N	119.972	E	10	G	4.2	0	6	6		PHILIPPINE ISLANDS REGION
23	11	10	14.07	31	20	S	68.26	W	100	G		0	5	5		SAN JUAN PROVINCE, ARGENTINA
23	11	48	29.27	29	28	S	70.66	W	120	G		0	1	7		CENTRAL CHILE
23	11	50	06.7	36	437	N	70.416	E	272	D	5.2	1	0	408		HINDU KUSH REGION, AFGHANISTAN. Mw 5.7 (HRV).
23	12	27	42.0%	57	996	N	154.844	W	94				38			KODIAK ISLAND REGION. <AEIC>.
23	12	45	04.37	26	31	S	27.64	E	5	G		1	0	4		REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
23	12	57	23.0%	39	248	S	174.592	E	236	?		0	4	17		NORTH ISLAND, NEW ZEALAND
23	13	15	01.1%	37	483	N	3.656	W	10	G		0	8	7		SPAIN. mbLg 2.7 (MDD).
23	13	15	45.1%	46	205	N	3.002	E	10	G		0	4	10		FRANCE. ML 2.4 (LDG).
23	13	24	49.2%	38	105	S	176.183	E	214	?		0	7	20		NORTH ISLAND, NEW ZEALAND
23	13	32	34.8%	37	787	N	3.589	W	10	G		0	3	7		SPAIN. mbLg 2.6 (MDD).
23	13	42	22.37	14	70	N	60.93	W	10	G		0	2	4		WINDWARD ISLANDS. ML 2.2 (FDF).
23	13	47	17.4%	38	111	N	3.476	W	10	G		0	2	5		SPAIN. mbLg 2.5 (MDD).
23	13	49	55.8	58	284	N	154.326	W	10	G		0	8	26		ALASKA PENINSULA. ML 2.6 (AEIC)
23	14	01	42.2%	36	436	N	3.002	W	10	G		0	7	8		STRAIT OF GIBRALTAR. mbLg 3.2 (MDD).
23	14	07	41.27	13	38	S	74.12	W	33	N		1	3	5		CENTRAL PERU
23	14	37	06.5%	26	835	S	26.745	E	5	G		1	9	5		REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
23	15	00	29.0%	44	276	N	8.364	E	5	G		0	4	8		NORTHERN ITALY. ML 2.5 (GEN).
23	15	09	48.6	20	982	S	178.686	W	571		5.0	0	9	79		FIJI ISLANDS REGION
23	15	23	46.3%	43	101	N	12.798	E	5	G		0	4	5		CENTRAL ITALY
23	16	20	39.1	44	472	N	149.678	E	33	N	4.8	1	0	54		KURIL ISLANDS
23	16	32	00.7%	31	336	S	67.953	W	12	*		0	4	7		SAN JUAN PROVINCE, ARGENTINA
23	16	38	36.8	18	341	S	178.104	W	631	D	5.4	1	1	138		FIJI ISLANDS REGION. Mw 5.6 (HRV).
23	16	39	36.47	18	13	S	178.17	W	630	D	4.7	1	3	36		FIJI ISLANDS REGION
23	16	56	18.6	22	087	S	170.790	E	26	D	5.0	4.8	1	1		LOYALTY ISLANDS REGION
23	17	06	39.7%	65	478											

23	19 01 33.1*	5 023 S	35.907 E	33 N	5 1 5 1	0.9	68	TANZANIA
23	19 16 59.12	10 15 N	61.76 W	33 N		0.1	4	TRINIDAD MD 3 2 (TRN).
23	19 34 08.6	46 041 N	13 225 E	12		1.1	75	AUSTRIA. ML 4 1 (GRF). 3.9 (VIE) MD 3.9 (LJU).
23	19 36 37.1	28.689 N	142 593 E	33 N	5 1 4 5	1.3	53	BONIN ISLANDS REGION
23	19 44 27.72	24.17 S	66 60 W	259 ?		1.3	8	SALTA PROVINCE, ARGENTINA
23	19 46 14.42	40 43 N	23 56 E	5 G		0.5	4	GREECE
23	20 02 36.6*	17.500 S	178 195 W	488 *	4 5	1.2	27	FIJI ISLANDS REGION
23	20 18 43.42	40.79 N	28 73 E	10 G		0.4	4	TURKEY. ML 2.7 (ISK).
23	20 36 54.72	40 150 N	29 222 E	10 G		0.6	5	TURKEY. ML 3.0 (ISK).
23	20 47 58.5*	40 107 N	29.301 E	10 G		0.4	6	TURKEY. ML 3.0 (ISK).
23	21 10 33.6*	17.658 S	167.900 E	33 N	4.0	1.3	8	VANUATU ISLANDS
23	21 30 09.5	49 126 N	6.879 E	10 G		1.0	20	GERMANY. ML 2.8 (STR). 2.7 (GRF). MD 2.8 (UCC).
23	21 40 18.22	40 444 N	23 575 E	10 G		0.2	5	GREECE. ML 2.1 (THE).
23	22 13 24.7	32 360 N	6 197 W	10 G		1.2	7	MOROCCO. MD 2.9 (RBA).
23	22 49 46.52	40 25 N	29.36 E	10 G		0.1	4	TURKEY. ML 3.0 (ISK).
23	23 00 52.02	40 404 N	29.566 E	10 G		0.6	6	TURKEY. ML 2.9 (ISK).
23	23 14 13.02	31 55 S	69.33 W	120 G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
23	23 15 45.22	49.74 N	19.37 E	10 G		0.5	4	POLAND. ML 2.7 (WAR)
24	00 13 25.1	42 960 N	0.318 E	10 G		0.9	11	PYRENEES. ML 3.1 (LDG). mbLg 3.0 (MDD).
24	00 14 59.1*	12 218 N	143.753 E	33 N	4.5	0.8	13	SOUTH OF MARIANA ISLANDS
24	01 03 46.92	30 956 S	68.962 W	122 ?		0.5	7	SAN JUAN PROVINCE, ARGENTINA
24	01 17 35.42	16 57 N	92 83 W	10 G	3.7	1.4	7	CHIAPAS, MEXICO
24	01 19 44.92	26.38 S	27.47 E	5 G		0.0	4	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
24	01 34 56.22	43.44 N	12.45 E	5 G		1.6	4	CENTRAL ITALY
24	01 39 07.4	38.385 S	175.929 E	213 *		0.4	30	NORTH ISLAND, NEW ZEALAND
24	01 42 34.12	31 597 S	67.058 W	114 ?		0.3	6	SAN JUAN PROVINCE, ARGENTINA
24	01 51 30.8*	43 926 N	149.720 E	33 N	4.5 4 2	1.1	25	EAST OF KURIL ISLANDS
a 24	02 01 56.7	5 070 N	127.714 E	116 G	5.7	1.0	272	PHILIPPINE ISLANDS REGION. Mw 5.8 (GS), 5.8 (HRV). Depth from broadband displacement seismograms.
24	02 36 11.42	37.759 N	3.585 W	10 G		0.4	5	SPAIN mbLg 2.5 (MDD).
24	03 25 10.0	42.787 N	17.586 E	5 G		0.9	35	ADRIATIC SEA. MD 3.7 (TRI), 3.1 (TTG).
24	06 37 31.32	18 453 N	66.251 W	60 G		0.6	7	PUERTO RICO REGION
24	07 04 22.9	40.104 S	175.766 E	73	4.8	0.9	39	NORTH ISLAND, NEW ZEALAND Felt in the southern part of North Island.
24	07 28 31.9*	42 432 N	139 118 E	33 N	4 3	1.0	7	HOKKAIDO, JAPAN REGION
24	08 26 19.92	30.41 S	70 92 W	90 G		0.6	7	CHILE-ARGENTINA BORDER REGION
24	09 21 54.7	60 414 N	143 680 W	10 G		1.0	22	SOUTHERN ALASKA. ML 2.5 (AEIC).
24	09 32 13.62	31.18 S	68.25 W	100 G		0.5	5	SAN JUAN PROVINCE, ARGENTINA
24	09 59 47.02	44.234 N	7.495 E	13		0.4	9	NORTHERN ITALY. ML 2.4 (GEN).
a 24	10 26 56.6	51 509 N	176.879 W	33 N	5.2 4.4	1.2	130	ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). ML 4.9 (PMR). Felt (IV) on Adak.
24	10 47 38.22	18.16 N	67.24 W	33 N		0.5	6	MONA PASSAGE
24	11 57 27.12	30.995 S	67.851 W	10 G		0.9	6	SAN JUAN PROVINCE, ARGENTINA
24	12 09 44.72	44.829 N	6.771 E	10 G		0.7	7	FRANCE. ML 2.4 (GEN).
24	12 44 24.52	26.377 S	27.486 E	5 G		0.7	5	REPUBLIC OF SOUTH AFRICA ML 2.4 (PRE).
24	12 56 03.4	39.087 N	138.636 E	14 D	5.1 4.6	0.9	174	EASTERN SEA OF JAPAN Felt (III JMA) at Sakata and (I JMA) at Akita, Morioka, Niigata and Yamagata, Honshu.
24	12 59 13.1*	35.216 N	141.781 E	33 N		0.9	10	NEAR EAST COAST OF HONSHU, JAPAN
24	13 44 04.22	37.76 N	3.67 W	10 G		0.7	4	SPAIN mbLg 2.4 (MDD).
24	14 39 46.7*	28.905 S	70.841 W	178 ?		0.7	8	CENTRAL CHILE
24	15 26 57.2*	10.071 N	126.207 E	60 *	4 2	1.0	11	PHILIPPINE ISLANDS REGION
24	15 35 54.32	40.491 N	28.682 E	5 G		0.5	7	TURKEY. ML 2.8 (ISK)
24	15 46 03.6	51.384 N	176.887 W	33 N	4 8	1.2	58	ANDREANOF ISLANDS, ALEUTIAN IS ML 4.3 (PMR). Felt (III) on Adak.
24	16 19 14.82	38 45 N	27.18 E	10 G		0.9	4	TURKEY. ML 2.9 (ISK)
24	16 39 28.92	60.116 N	152.889 W	113			75	SOUTHERN ALASKA. <AEIC>.
24	16 49 42.82	31 53 S	69.12 W	100 G		0.2	4	SAN JUAN PROVINCE, ARGENTINA
24	16 58 10.8*	37 055 N	27.665 E	33 N		1.3	10	TURKEY. ML 3.9 (CSS). 3.6 (ISK)
24	17 15 29.22	44 106 N	8.318 E	10 G		0.5	6	NORTHERN ITALY. ML 1.8 (GEN).
24	17 54 18.0	15 296 S	71.872 W	135	4 6	1.1	37	SOUTHERN PERU
24	18 07 25.42	43.053 N	13.042 E	5 G		0.6	6	CENTRAL ITALY
24	18 46 55.4	42.519 N	139.399 E	28	4.7 4.1	1.0	80	HOKKAIDO, JAPAN REGION
24	18 50 46.0	49.304 N	155.703 E	33 N	4 7 3 8	0.9	52	KURIL ISLANDS
24	18 54 21.6	46.169 N	13.409 E	5 G		0.5	6	AUSTRIA ML 1 6 (LJU). 1.4 (VIE).
24	19 16 55.32	37.12 N	27.85 E	5 G		0.4	4	TURKEY
24	19 27 34.52	44.958 N	2.449 E	10 G		0.7	10	FRANCE. ML 2.1 (LDG).
24	20 18 59.62	38.937 N	30.839 E	10 G		0.6	6	TURKEY. ML 3.2 (ISK).
f 24	20 24 50.1	13.060 S	167.056 E	194 G	5 8	1.0	441	VANUATU ISLANDS Mw 6.0 (GS), 6.0 (HRV). Ma=2.0*10**18 Nm (PPT). Depth from broadband displacement seismograms.
24	21 18 12.02	51.100 N	178.000 W	33 N	3.6		9	ANDREANOF ISLANDS, ALEUTIAN IS. <MACRO>. Felt (II) on Adak.
24	21 32 05.7	36.443 N	70.604 E	223 D	4.6	1.1	51	HINDU KUSH REGION, AFGHANISTAN
24	21 39 08.72	41.83 N	12.84 E	5 G		0.8	4	SOUTHERN ITALY
24	23 10 59.3	58.337 N	151.064 W	10 G		0.9	46	KODIAK ISLAND REGION. ML 3.1 (AEIC).
24	23 36 56.82	42.85 N	13 36 E	10 G		0.4	4	CENTRAL ITALY
24	23 46 52.02	25.62 N	109.22 E	10 G		1.5	4	SOUTHEASTERN CHINA. ML 3.6 (BJI).
25	00 32 22.2	39.311 S	174.301 E	294	4.0	0.5	41	NORTH ISLAND, NEW ZEALAND
25	01 00 20.9	40.468 N	23.213 E	10 G	3.9	1.1	88	GREECE. ML 4.0 (ATH). 3.9 (TTG). 3.6 (TIR). 3.6 (THE). Felt (II) at Gevgelija, Yugoslavia.
25	01 02 31.7	40.453 N	23.180 E	5 G		0.3	11	GREECE. ML 2.9 (THE).
25	01 08 12.2	40.437 N	23.183 E	10 G		0.7	9	GREECE. ML 2.2 (THE).
25	01 29 00.12	38 64 N	23.80 E	10 G		0.2	8	GREECE. ML 2.7 (THE).
25	01 54 26.82	37.779 N	3.596 W	10 G		0.6	7	SPAIN. mbLg 2.6 (MDD).
25	01 54 35.02	31.31 S	68.51 W	106 ?		0.2	6	SAN JUAN PROVINCE, ARGENTINA
25	01 58 51.52	50.43 N	19.01 E	10 G		0.6	4	POLAND. ML 2.6 (WAR).
25	02 13 50.82	44.271 N	8.196 E	5 G		0.6	7	NORTHERN ITALY. ML 2.0 (GEN).
25	02 53 11.42	40.446 N	23.192 E	5 G		0.5	8	GREECE. ML 1.7 (THE).
25	02 56 22.52	44 26 N	8.20 E	10 G		0.1	4	NORTHERN ITALY. ML 1.4 (GEN).
25	02 56 40.02	44.24 N	8.23 E	10 G		0.5	4	NORTHERN ITALY. ML 1.3 (GEN).
25	02 57 35.5	44 224 N	8 287 E	10 G		0.4	10	NORTHERN ITALY. ML 2 3 (GEN). 2.1 (LDG).
25	03 13 07.72	10 01 N	70 06 W	10 G		0.5	4	VENEZUELA
25	03 21 38.4*	44.057 N	8 581 E	5 G		1.4	11	NORTHERN ITALY ML 2 2 (GEN). 2.2 (LDG).

25	03 28 07.7	11 853 N	124 015 E	31 *	4 5	1.2	7	LEYTE, PHILIPPINE ISLANDS
25	04 28 52.6	60.001 N	6 237 E	10 G		0.0	5	SOUTHERN NORWAY MD 1.6 (BER).
25	05 18 44.4	32.03 S	69.57 W	120 G		0.5	5	MENDOZA PROVINCE, ARGENTINA
25	05 24 29.2	35.416 S	178 688 E	33 N	4.5	0.9	10	OFF E. COAST OF N. ISLAND, N.Z. ML 4.4 (WEL).
25	05 37 46.3	16 832 S	167 730 E	33 N	5.1 4 6	1.1	33	VANUATU ISLANDS. Mw 5.3 (HRV).
25	06 15 15.2	40.518 N	23 117 E	10 G		0.8	5	GREECE. ML 2.8 (THE).
25	06 19 37.4	44.287 N	8 209 E	5 G		0.3	7	NORTHERN ITALY. ML 2.0 (GEN).
25	06 40 27.4	32.905 S	68.993 W	146	4.7	1.0	67	MENDOZA PROVINCE, ARGENTINA. Felt (IV) at Mendoza. Felt (IV) at San Juan, San Juan Province
25	07 18 35.6	31.73 S	68 36 W	100 G		0.2	4	SAN JUAN PROVINCE, ARGENTINA
25	07 48 39.3	34.991 N	116 945 W	0			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS).
25	08 14 31.5	31.620 S	67.984 W	21 *		0.5	8	SAN JUAN PROVINCE, ARGENTINA
25	08 34 08.3	30 534 S	71 595 W	72 *	4.6	1.2	15	NEAR COAST OF CENTRAL CHILE
25	08 54 32.3	41 212 N	20 960 E	10 G		0.8	27	ALBANIA. MD 3.3 (TTG). ML 3.0 (THE), 2.8 (TIR).
25	09 11 13.3	39.097 N	27.640 E	10 G		0.7	5	TURKEY. ML 2.8 (ISK).
25	09 29 33.4	35.228 S	178.712 E	12	4.8 4.1	1.1	13	OFF E. COAST OF N. ISLAND, N.Z. ML 4.5 (WEL).
25	09 38 31.7	65.258 N	152.359 W	10 G		0.9	7	NORTHERN ALASKA. ML 2.6 (AEIC).
25	09 58 30.8	39 16 N	28 02 E	10 G		0.5	4	TURKEY. ML 2.7 (ISK).
25	10 39 43.0	35 214 N	141 699 E	33 N	4.5	1.1	6	NEAR EAST COAST OF HONSHU, JAPAN
25	10 51 03.3	34.265 N	116.743 W	1			4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
25	11 02 39.3	38.042 N	14.114 E	10 G		1.2	7	SICILY
25	11 15 38.6	37.590 N	119.014 W	4			6	CENTRAL CALIFORNIA. <GM-P>. MD 2.4 (GM).
25	11 18 56.6	62.543 N	149.546 W	12			56	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).
25	11 45 06.4	23.963 S	66.931 W	200 G		0.8	5	JUJUY PROVINCE, ARGENTINA
25	11 47 37.2	46.965 N	20.443 E	10 G		0.9	11	HUNGARY ML 3.4 (BRA). Felt (II) at Medgyesegyhaza.
25	12 19 49.4	40 459 N	23.204 E	10 G		0.4	15	GREECE. ML 2.9 (THE).
25	13 02 51.7	29.606 S	70.025 W	110 G		1.3	7	CENTRAL CHILE
25	13 03 04.9	21 258 N	121.078 E	10 G	4 4 4.4	1.3	30	TAIWAN REGION
25	13 07 29.6	45 36 N	14.59 E	10 G		1.1	4	NORTHWESTERN BALKAN REGION. MD 2.3 (LJU).
25	13 19 01.4	39 683 N	29.490 E	10 G		0.7	5	TURKEY. ML 2.5 (ISK).
25	13 29 46.7	36.171 N	8.087 W	33 N		0.8	12	WEST OF GIBRALTAR. mbLg 2.8 (MDD).
25	13 54 06.2	43 62 N	12.11 E	10 G		0.6	4	CENTRAL ITALY
25	13 56 50.4	38 933 S	174.847 E	265 *		0.3	27	NORTH ISLAND, NEW ZEALAND
25	14 03 58.4	29.545 N	114.775 E	33 N	3 5	1.3	6	SOUTHEASTERN CHINA. ML 3.7 (BJI).
25	14 17 23.4	39 627 N	29.441 E	10 G		1.1	5	TURKEY. ML 2.7 (ISK).
25	14 17 28.6	31.30 S	69.18 W	110 G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
25	14 35 09.3	37 085 N	3 971 W	10 G		1.4	9	SPAIN. mbLg 2.6 (MDD).
25	15 05 19.6	17.844 S	13.431 W	10 G	5.2 4.7	1.1	89	SOUTHERN MID-ATLANTIC RIDGE. Mw 5.3 (HRV).
25	15 12 50.7	43.088 N	20.256 E	10 G		1.2	10	NORTHWESTERN BALKAN REGION. ML 2.1 (TTG).
25	15 24 11.5	44.55 N	7 05 E	5 G		1.4	4	NORTHERN ITALY. ML 1.5 (GEN).
25	15 27 58.4	44.254 N	8.224 E	5 G		0.4	8	NORTHERN ITALY. ML 2.1 (GEN).
25	15 54 02.0	35.37 S	178.82 E	33 N	4.2	1.2	7	OFF E. COAST OF N. ISLAND, N.Z. ML 4.3 (WEL).
25	16 11 11.3	37.05 N	5.83 W	10 G		0.2	4	SPAIN. mbLg 2.1 (MDD).
25	16 19 31.1	40.190 N	29.321 E	10 G		0.6	7	TURKEY. ML 2.6 (ISK).
25	17 13 16.8	44.228 N	8.273 E	9		0.7	27	NORTHERN ITALY ML 2.8 (LDG), 2.6 (GEN)
25	17 20 07.7	44.251 N	8.244 E	5 G		0.5	12	NORTHERN ITALY ML 2.4 (GEN), 2.2 (LDG).
25	17 53 15.3	31.21 S	68.77 W	100 G		0.2	4	SAN JUAN PROVINCE, ARGENTINA
25	17 55 29.9	33.364 S	72.354 W	8		0.5	11	OFF COAST OF CENTRAL CHILE
25	17 58 39.2	38.380 N	1 725 W	10 G		0.6	10	SPAIN. mbLg 2.8 (MDD).
25	18 29 38.1	35.05 S	139 88 E	10 G	4.1	0.4	4	NEAR S. COAST OF HONSHU, JAPAN
25	18 37 12.5	33 87 S	72.09 W	10 G		0.4	11	OFF COAST OF CENTRAL CHILE
25	18 40 16.6	42.594 N	18 986 E	25 ?		0.1	9	NORTHWESTERN BALKAN REGION ML 2.0 (TTG).
25	18 47 47.5	44.240 N	8.319 E	5 G		0.9	25	NORTHERN ITALY. ML 2.9 (LDG), 2.8 (GEN).
25	18 50 00.1	44.229 N	8 261 E	10 G		0.2	6	NORTHERN ITALY. ML 1.8 (GEN).
25	18 50 33.0	44.219 N	8 264 E	10 G		0.2	6	NORTHERN ITALY ML 1.7 (GEN).
25	19 16 13.3	44.234 N	8.261 E	5 G		0.3	6	NORTHERN ITALY. ML 1.6 (GEN).
25	19 19 11.6	44.255 N	8.236 E	5 G		0.3	7	NORTHERN ITALY ML 1.9 (GEN).
25	21 11 16.2	31.02 S	68 86 W	100 G		0.3	6	SAN JUAN PROVINCE, ARGENTINA
25	21 26 27.6	50.619 N	130.482 W	10 G			29	VANCOUVER ISLAND REGION. <PGC-P>. ML 3.2 (PGC).
25	22 01 16.6	4 386 N	126 454 E	56 ?	4.5	1.2	11	TALAUD ISLANDS, INDONESIA
25	22 21 06.8	44 360 N	7 300 E	5 G		0.3	5	NORTHERN ITALY. ML 1.6 (GEN).
25	22 27 56.9	41 888 N	19 836 E	33 N		0.8	10	ALBANIA. MD 2.4 (TTG).
25	23 10 56.9	0 682 S	124 324 E	76 *	5 0	1.2	42	SOUTHERN MOLUCCA SEA
25	23 33 22.0	12 02 N	88.02 W	33 N	4.4	1.2	18	OFF COAST OF CENTRAL AMERICA
25	23 41 38.5	0 706 S	124.431 E	33 N	4 3	1.3	7	SOUTHERN MOLUCCA SEA
25	23 57 42.1	0 678 S	124.180 E	75 *	4 6	1.3	16	SOUTHERN MOLUCCA SEA
26	00 07 49.7	28.27 N	34.49 E	10 G		0.6	6	EGYPT. MD 3.7 (RYD).
26	00 32 37.5	44.336 N	7.267 E	10 G		0.4	19	NORTHERN ITALY. ML 2.2 (GEN), 2.0 (LDG).
26	00 52 58.6	31.91 S	69.67 W	120 G		0.3	4	SAN JUAN PROVINCE, ARGENTINA
26	01 17 12.1	31.59 S	69.42 W	120 G		0.2	4	SAN JUAN PROVINCE, ARGENTINA
26	02 32 54.7	23.52 S	66.32 W	182 ?		1.0	6	JUJUY PROVINCE, ARGENTINA
26	03 25 49.3	38.98 N	27.57 E	5 G		0.1	4	TURKEY. ML 2.7 (ISK).
26	04 04 04.1	39.137 N	22.486 E	10		1.1	17	GREECE. ML 3.1 (THE).
26	04 13 52.9	30.56 S	70.34 W	144 ?		0.5	8	CHILE-ARGENTINA BORDER REGION
26	04 17 40.2	45.739 N	26.554 E	143 ?		0.6	7	ROMANIA
26	04 19 33.1	16.190 N	60.722 W	33 N		0.2	16	LEEWARD ISLANDS. MD 3.7 (TRN). ML 3.3 (FDF).
26	04 25 03.8	16.166 N	60.739 W	31 *		0.2	10	LEEWARD ISLANDS. ML 3.0 (FDF).
26	04 57 47.2	44.363 N	7.292 E	5 G		0.8	59	NORTHERN ITALY. ML 3.3 (GEN), 3.3 (LDG), 3.2 (VIE), 2.8 (STR).
26	05 07 20.5	44.34 N	7.29 E	5 G		0.0	4	NORTHERN ITALY. ML 1.5 (GEN).
26	05 18 29.8	44.28 N	8.18 E	10 G		0.2	4	NORTHERN ITALY. ML 1.4 (GEN).
26	06 49 07.5	31.92 S	69.72 W	120 G		0.1	4	SAN JUAN PROVINCE, ARGENTINA
26	07 12 10.1	39.001 N	27.676 E	10 G		0.9	5	TURKEY. ML 2.8 (ISK).
26	07 23 18.0	58.131 N	156.247 W	136	3.2		49	ALASKA PENINSULA. <AEIC>.
26	07 25 28.0	31.23 S	68.75 W	106 ?		0.7	7	SAN JUAN PROVINCE, ARGENTINA
26	07 46 19.2	38.738 N	26.699 E	10 G		0.6	5	AEGEAN SEA. ML 2.9 (ISK).
26	07 49 45.1	39.124 N	21 944 E	10 G		0.5	12	GREECE. ML 2.2 (THE).
26	07 51 04.9	39.15 N	27.54 E	10 G		1.2	4	TURKEY. ML 2.7 (ISK).
26	08 05 58.2	38 829 N	26.947 E	10 G	4.2	1.1	66	AEGEAN SEA. ML 4.3 (THE), 4.1 (ISK).
26	08 45 22.9	38.74 N	28 02 E	5 G		0.5	4	TURKEY
26	09 31 30.3	29 960 N	66 626 E	33 N	4 1 4.9	1.1	11	PAKISTAN
26	09 45 16.2	31 51 S	69 23 W	90 G		0.7	4	SAN JUAN PROVINCE, ARGENTINA
26	09 47 57.3	44 38 N	7 35 E	5 G		0.3	4	NORTHERN ITALY. ML 1.5 (GEN).

26	10 03 46 0? 44 28 N	8 19 E	5 G	1 2	4	NORTHERN ITALY ML 1 6 (GEN).
26	10 04 20.9 2 991 N	125.715 E	112 *	5 0	1 2	83 TALAUD ISLANDS, INDONESIA
26	10 04 31.6? 44 282 N	8 217 E	5 G	0.4	7	NORTHERN ITALY ML 2 2 (GEN).
26	10 05 17 0 44 267 N	8.233 E	5 G	0.5	10	NORTHERN ITALY ML 2.4 (LDG).
26	10 05 36 2? 44 24 N	8 23 E	10 G	0.5	4	NORTHERN ITALY ML 1.5 (GEN).
26	10 08 53 2? 44.280 N	8 204 E	5 G	0 4	7	NORTHERN ITALY ML 2.0 (GEN)
26	10 59 43 0? 39.10 N	27 66 E	10 G	0 4	4	TURKEY ML 2 7 (ISK).
26	11 02 53.7? 39 289 N	27 724 E	10 G	0.4	5	TURKEY ML 2 7 (ISK).
26	11 21 36 2? 39 67 N	29.47 E	10 G	1.0	4	TURKEY ML 2 7 (ISK).
26	11 37 06 5? 40 754 N	29.286 E	10 G	0.5	5	TURKEY ML 2 6 (ISK)
26	11 57 20 0? 39.19 N	27.55 E	10 G	0.2	4	TURKEY ML 2.7 (ISK).
26	12 14 33 8 30.912 S	65 497 W	209 *	0.8	21	CORDOBA PROVINCE, ARGENTINA
26	12 34 46 2* 10 099 S	161 766 E	33 N	4.5 4.1	0.7	13 SOLOMON ISLANDS
26	12 48 12 3? 41 128 N	28.487 E	10 G	0.5	5	TURKEY ML 2 8 (ISK).
26	13 04 03 2? 63.230 N	151.112 W	4	0.9	43	CENTRAL ALASKA. <AEC>. ML 2.6 (AEC). 3 0 (PMR).
26	13 07 31 8? 26.885 S	26.735 E	5 G	0.9	8	REPUBLIC OF SOUTH AFRICA ML 3.0 (PRE).
26	13 16 23.7? 60 296 N	152.958 W	113	0.9	56	SOUTHERN ALASKA. <AEC>.
26	13 19 47 4 40 559 S	175 432 E	56 *	3.7	0.9	19 NORTH ISLAND, NEW ZEALAND
26	14 13 31 0? 44 329 N	7 237 E	10 G	0 3	7	NORTHERN ITALY ML 2.0 (GEN).
26	14 15 14 4* 42 050 N	125.358 W	10 G	0.6	15	OFF COAST OF OREGON MD 3.2 (GM)
26	14 25 37 6? 31 254 S	68.892 W	100 G	0.5	5	SAN JUAN PROVINCE, ARGENTINA
26	16 13 09.7 31.761 S	68.116 W	10 G	0.8	10	SAN JUAN PROVINCE, ARGENTINA
26	16 20 22 7 26.359 S	27.284 E	5 G	3 9	0.9	6 REPUBLIC OF SOUTH AFRICA ML 3.9 (PRE).
26	16 31 27.7* 51 258 N	176.876 W	33 N	4.8	1 4	30 ANDREANOF ISLANDS, ALEUTIAN IS. ML 4 3 (PMR). Felt (III) on Adak.
26	17 00 22.1* 31 206 S	68.822 W	112 ?	0 5	8	SAN JUAN PROVINCE, ARGENTINA
26	17 06 50.7? 20.64 S	68.73 W	120 G	1.5	5	CHILE-BOLIVIA BORDER REGION
26	17 21 35 2? 8.72 N	122.71 E	10 G	1 2	5	MINDANAO, PHILIPPINE ISLANDS
26	17 22 54.2* 0 660 N	127.902 E	33 N	4.6	1.0	15 HALMAHERA, INDONESIA
26	17 42 17.9? 38.028 N	14.097 E	5 G	0.8	5	SICILY
26	18 31 39.3? 30 92 S	68.07 W	100 G	0.0	4	SAN JUAN PROVINCE, ARGENTINA
26	18 52 21 7 48 809 N	1.156 W	31	0.6	22	FRANCE ML 3 5 (LDG).
26	19 16 24 8 4 111 S	128.187 E	33 N	4.6	1.0	13 BANDA SEA
26	20 21 48 5? 46 20 N	15.05 E	10 G	0.1	4	NORTHWESTERN BALKAN REGION. Felt in the Trbovlje area, Slovenia.
26	20 31 07 3 45 666 N	6.749 E	9	0.6	31	FRANCE ML 2.8 (LDG). 2.5 (GEN).
26	21 00 20 4 40 721 N	22.764 E	5 G	0.2	8	GREECE ML 1.7 (THE).
26	21 29 49 5? 33 982 N	118.737 W	13	0.2	18	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS). 3 5 (GS). Felt (III) at Agoura and Thousand Oaks. Also felt in the Los Angeles area.
26	21 41 18 3? 16 153 N	61.376 W	10 G	1 3	12	LEEWARD ISLANDS ML 3.2 (FDF).
26	21 42 22.3 38 843 N	26.968 E	10 G	0.4	11	AEGEAN SEA ML 3.5 (ISK).
26	21 50 34 0? 16 195 N	61.380 W	33 N	0.1	6	LEEWARD ISLANDS ML 1.6 (FDF).
26	22 01 12 2? 38 271 N	14.558 E	155 ?	0.5	7	SICILY
27	01 32 44 6? 31 62 S	69.03 W	120 G	0 2	4	SAN JUAN PROVINCE, ARGENTINA
27	01 46 59 2? 13 34 N	121.33 E	10 G	0 8	4	MINDORO, PHILIPPINE ISLANDS
27	01 48 26.7? 43 99 N	7.75 E	10 G	0 3	6	NEAR SOUTH COAST OF FRANCE ML 1 9 (LDG).
27	02 03 50 5? 26 961 S	26.733 E	5 G	0 7	7	REPUBLIC OF SOUTH AFRICA ML 2 5 (PRE).
27	02 25 40 7? 31 30 S	69.30 W	100 G	0 2	4	SAN JUAN PROVINCE, ARGENTINA
27	02 39 04 6? 40 311 N	124.497 W	8	0 2	6	NEAR COAST OF NORTHERN CALIF <GM-P> MD 2.8 (GM).
27	03 02 51 6? 31 44 S	69.23 W	90 G	0 2	4	SAN JUAN PROVINCE, ARGENTINA
27	03 15 00.7? 37.774 N	3.600 W	10 G	0 4	6	SPAIN mbLg 2.5 (MDD).
27	03 36 39.6 38.603 S	175.398 E	223 *	0 4	34	NORTH ISLAND, NEW ZEALAND
27	05 54 25.6? 58.383 N	153.839 W	61	0 4	35	KODIAK ISLAND REGION. <AEC>. ML 3.4 (AEC).
27	06 07 36.3 53.036 N	3.599 E	10 G	0 9	25	NORTH SEA ML 3 5 (LDG).
27	06 19 20.7? 31 09 S	68.62 W	100 G	0 2	4	SAN JUAN PROVINCE, ARGENTINA
27	06 24 53.0? 30.89 S	68.92 W	10 G	0 5	4	SAN JUAN PROVINCE, ARGENTINA
27	06 26 15.8? 14 64 N	61.04 W	10 G	0 0	4	WINDWARD ISLANDS ML 1.4 (FDF).
27	07 38 46 7* 32.114 S	68.050 W	33 N	1 2	5	MENDOZA PROVINCE, ARGENTINA
27	08 19 07 4* 3 002 S	131.255 E	33 N	5.1	1 1	11 IRIAN JAYA REGION, INDONESIA
27	08 37 04.3? 16.15 N	61.17 W	10 G	0.6	4	LEEWARD ISLANDS ML 2.0 (FDF).
27	08 58 20 6? 39.027 N	27.661 E	10 G	0 4	5	TURKEY ML 2.8 (ISK).
27	09 10 18.1* 40.473 N	31.529 E	10 G	0.5	5	TURKEY MG 2.8 (DDA).
27	09 23 58.3* 13.380 N	120.579 E	10 G	4 7	1.5	9 MINDORO, PHILIPPINE ISLANDS
27	09 43 55.5? 24.17 S	67.69 W	33 N	1.5	5	CHILE-ARGENTINA BORDER REGION
27	09 47 17.1 37.128 S	177.004 E	319	3 9	0.7	31 OFF E. COAST OF N. ISLAND, N.Z.
27	10 31 07.7? 60 812 N	152.024 W	89	3 1	86	SOUTHERN ALASKA. <AEC>.
27	10 37 33.8? 61.534 N	150.812 W	57	0.7	46	SOUTHERN ALASKA. <AEC>. ML 2.5 (AEC).
27	10 40 12.9? 38.81 S	91.75 W	10 G	4.9 4.2	0.7	31 WEST CHILE RISE
27	10 47 01.4? 0.69 S	124.28 E	33 N	4.0	0.6	5 SOUTHERN MOLOCCA SEA
27	10 57 28.6 3.544 S	140.190 E	33 N	5.1 5.2	1.0	71 IRIAN JAYA, INDONESIA. Mw 5.2 (HRV).
27	11 00 32.8 39.460 N	20.433 E	26	4.2	1.4	68 GREECE-ALBANIA BORDER REGION. ML 4.0 (ATH). 3 9 (TIR). 3.5 (THE).
27	11 21 17 0? 44 449 N	7.285 E	10 G	0.3	5	NORTHERN ITALY ML 1.6 (GEN).
27	11 25 54 9? 39 130 N	27.604 E	10 G	0.8	5	TURKEY ML 2.7 (ISK).
27	11 44 09.5 59 491 N	144.777 W	10 G	5.0 4 5	1.0	223 GULF OF ALASKA. Mw 5.1 (HRV). ML 4.8 (AEC). 4.5 (PMR) Ms 4.3 (BRK).
27	11 53 10.4 12.577 S	166.495 E	44 D	5.2 5.1	1.0	71 SANTA CRUZ ISLANDS
27	12 06 19.9* 36 359 N	9.219 W	104 ?	0.5	9	WEST OF GIBRALTAR
27	12 45 16.5? 46 44 N	13.39 E	10 G	0.3	4	AUSTRIA MD 2.6 (LJU). ML 2.3 (VIE).
27	12 49 57.0? 39.24 N	27.63 E	10 G	0.7	4	TURKEY ML 2.7 (ISK).
27	12 55 43.2? 39 68 N	29.47 E	10 G	0.6	4	TURKEY ML 2.8 (ISK).
27	13 51 58 8? 36.24 S	178.21 E	244 ?	3.5	0.9	9 OFF E. COAST OF N. ISLAND, N.Z.
27	13 53 46.5? 26.11 N	143.98 E	33 N	4.4	1.3	7 BONIN ISLANDS REGION
27	14 19 09 4 59.558 N	146.696 W	10 G	0.7	22	GULF OF ALASKA ML 2.5 (AEC)
27	14 31 18 5? 26 365 S	27.468 E	5 G	0.6	5	REPUBLIC OF SOUTH AFRICA ML 2.8 (PRE).
27	14 43 22 3? 39 238 N	27 592 E	10 G	0 5	5	TURKEY ML 2.7 (ISK)
27	14 52 14.6? 39.25 N	27.66 E	10 G	0.0	4	TURKEY ML 2.7 (ISK)
27	14 58 02 5? 39 26 N	27 64 E	10 G	0.3	4	TURKEY ML 2.8 (ISK).
27	15 15 39 5? 44 43 N	8.33 E	5 G	1 2	5	NORTHERN ITALY ML 2.2 (LDG)
27	15 33 26.9 45 658 N	11 062 E	5 G	1 3	22	NORTHERN ITALY MD 2 7 (TRI) ML 2.7 (VIE).
27	15 34 37 5* 3 542 S	140 105 E	33 N	4.5	1 4	11 IRIAN JAYA, INDONESIA
27	16 01 18 0? 60 389 N	5.046 E	10 G	0 2	5	SOUTHERN NORWAY MD 1.2 (BER)

27	16 25 17 6 35 560 N	4.551 W	119 ?	1.0	14	STRAIT OF GIBRALTAR
27	16 46 58 4? 46.38 N	13 29 E	5 G	0.2	4	AUSTRIA ML 1.7 (VIE)
27	17 21 01 5& 40.304 N	124.500 W	7		14	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.6 (GM). ML 3.5 (GS), 3.4 (BRK). Felt (V) at Honeydew.
27	17 30 14 6& 34 346 N	116.448 W	0		9	SOUTHERN CALIFORNIA. <PAS-P> ML 2.7 (PAS), ML 2.7 (GS).
27	18 08 23.0* 8.513 N	121.617 E	58 ? 4.3	1.3	8	MINDANAO, PHILIPPINE ISLANDS
27	18 35 28.9& 45 733 N	111 488 W	7		7	MONTANA. <BUT>. ML 3.0 (BUT)
27	18 55 31.7& 40 310 N	124 475 W	8		2	NEAR COAST OF NORTHERN CALIF. <GM-P> MD 2.8 (GM) Multiple event.
27	19 16 36.2& 40.311 N	124.482 W	7		5	NEAR COAST OF NORTHERN CALIF. <GM-P> MD 2.8 (GM).
27	19 17 39 0& 40.313 N	124 481 W	6		4	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
27	19 36 38 5& 58 622 N	154 943 W	114		65	ALASKA PENINSULA <AEIC>.
o 27	19 44 49 7 34.442 N	141 591 E	25 D 5.3 5.0	1.0	246	OFF EAST COAST OF HONSHU, JAPAN. Mw 5.4 (HRV). Ms 4.8 (BRK).
27	19 57 32.9? 31.72 S	69.05 W	133 ?	0.5	8	SAN JUAN PROVINCE, ARGENTINA
27	20 12 53 4? 31.03 S	178.38 W	459 ? 4.4	1.0	20	KERMADEC ISLANDS REGION
27	20 38 06 6? 26.394 S	27 333 E	5 G	0.7	5	REPUBLIC OF SOUTH AFRICA ML 2.5 (PRE).
27	20 44 52 2* 51 444 N	175 132 W	33 N 4 4	1.3	18	ANDREANOF ISLANDS, ALEUTIAN IS.
27	21 10 40 7? 31.20 S	69 22 W	100 G	0.2	4	SAN JUAN PROVINCE, ARGENTINA
27	21 17 21.0& 40.304 N	124 487 W	8 3.7		50	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.9 (GM) ML 4 2 (BRK), 4.1 (GS). Same items knocked from shelves at Petralia Felt (V) at Honeydew; (IV) at Ferndale, Fields Landing and Petralia; (III) at Carlotta, Fortuna, Phillipsville, Rio Dell, Samoa, Weott and Whitethorn. Also felt at Alderpoint, Briceland, Garberville, Miranda and Scotia.
27	21 20 02.9& 40.301 N	124 515 W	6		2	NEAR COAST OF NORTHERN CALIF. <GM-P> MD 2.7 (GM).
27	21 21 07.6& 40.309 N	124 471 W	8		2	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
27	21 25 09 0? 7.28 N	126.57 E	10 G	0.9	5	MINDANAO, PHILIPPINE ISLANDS
27	21 30 06 0& 40.312 N	124.456 W	7		9	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM).
27	22 04 36 2 39.713 N	141 785 E	88 ?	0.9	11	EASTERN HONSHU, JAPAN
27	22 12 06 6 41.804 N	139.277 E	33 N 4.2	0.8	11	HOKKAIDO, JAPAN REGION
27	23 10 13 4? 28.053 S	26.909 E	5 G	1.5	5	REPUBLIC OF SOUTH AFRICA ML 2 7 (PRE).
27	23 16 31 3? 31.91 S	67.18 W	130 G	0.5	4	SAN JUAN PROVINCE, ARGENTINA
27	23 31 48 9& 40.315 N	124 462 W	7		4	NEAR COAST OF NORTHERN CALIF. <GM-P> MD 2.8 (GM)
27	23 49 13 1& 40.310 N	124 464 W	8		5	NEAR COAST OF NORTHERN CALIF. <GM-P> MD 2.9 (GM).
28	01 07 37 1* 35.747 S	104 042 W	10 G 4 4	1 0	22	SOUTHERN PACIFIC OCEAN
28	02 14 56 2 40 923 N	34.798 E	10 G	1.1	10	TURKEY. MG 3.5 (DDA)
28	02 33 55 2& 42 608 N	71.405 W	2		9	SOUTHERN NEW ENGLAND. <WES-P>. MD 2.3 (WES). Felt (III) at Chelmsford and North Billerica, Massachusetts. Also felt at Lowell, Massachusetts
28	02 48 59 3? 39 16 N	27.88 E	10 G	0.1	4	TURKEY. ML 2.7 (ISK).
28	03 10 24 6 36 676 N	71.171 E	265 * 4.1	0.8	31	AFGHANISTAN-TAJIKISTAN BORD REG.
28	03 32 38 8* 36 639 N	70 785 E	33 N 4.1	0.8	7	HINDU KUSH REGION, AFGHANISTAN
28	03 33 26 8? 44 23 N	8.25 E	10 G	0.1	4	NORTHERN ITALY ML 1 4 (GEN).
28	03 53 41 8? 49.61 N	1.35 W	10 G	1.3	4	FRANCE ML 2.0 (LDG).
28	04 25 33 7? 37 90 N	20 66 E	10 G	1.2	5	IONIAN SEA
28	04 50 13 1 37.222 N	140.073 E	135 4.4	1.1	25	EASTERN HONSHU, JAPAN
28	05 24 53 8 10 846 N	62.267 W	82 4 2	1.1	30	NEAR COAST OF VENEZUELA. MD 4.1 (TRN)
o 28	05 51 10.7 10.198 N	104.102 W	21 D 5.0 4 7	0.9	90	OFF COAST OF MEXICO. Mw 5.4 (HRV).
28	06 02 54 4? 31.09 S	68.29 W	105 ?	0.8	5	SAN JUAN PROVINCE, ARGENTINA
28	06 07 20 2? 20.75 S	67.15 W	220 ?	0.5	7	SOUTHERN BOLIVIA
28	06 10 11 9 46 250 N	0.171 E	21	1.1	14	FRANCE. ML 3.0 (LDG).
28	06 24 26 1* 20 713 S	66.666 W	257 ?	0.9	9	SOUTHERN BOLIVIA
o 28	07 05 48 3 10.903 S	162.315 E	33 D 5.3 5 3	0.9	134	SOLOMON ISLANDS Mw 5.6 (HRV).
28	07 11 00.2& 60.655 N	152.055 W	82		58	SOUTHERN ALASKA. <AEIC>.
28	07 24 31.8? 39.07 N	27.62 E	10 G	1.0	4	TURKEY. ML 2.6 (ISK).
28	08 42 55 9& 40 330 N	124.477 W	4		10	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.4 (GM). ML 3 3 (BRK).
28	09 16 32 4? 15.54 S	167.96 E	178 ? 4 6	0.8	14	VANUATU ISLANDS
28	09 24 28 6? 31.68 S	69.23 W	120 G	0.3	7	SAN JUAN PROVINCE, ARGENTINA
28	09 52 03 7& 40 315 N	124.499 W	10		12	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.6 (GM). ML 3 5 (BRK) Felt in the Petralia area
28	11 20 03.9? 37.00 S	176.85 E	307 ?	0.6	17	OFF E. COAST OF N. ISLAND, N.Z.
28	11 47 36 3 54.952 N	165.682 E	33 N 4.7	1.0	64	KOMANDORSKY ISLANDS REGION
28	11 54 43.1? 44.263 N	8.209 E	5 G	0.7	8	NORTHERN ITALY ML 1.8 (GEN).
28	12 17 30.6 42.551 N	23.944 E	10 G	0.6	8	BULGARIA. ML 2.9 (THE).
28	12 35 54.2? 39.21 N	27.69 E	10 G	0.3	4	TURKEY ML 2.6 (ISK).
28	12 57 40.1? 28.026 S	26.860 E	5 G	0.6	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
28	13 01 26.2* 2.201 S	127.761 E	88 * 4 6	0.6	7	CERAM SEA
28	13 06 33.9? 60.693 N	5.558 E	10 G	0.2	5	SOUTHERN NORWAY. MD 1.6 (BER).
28	14 01 35.7* 44.591 N	148.644 E	33 N 4.4	0.9	18	KURIL ISLANDS
28	14 45 28.2? 42.563 N	12.905 E	5 G	0.3	5	CENTRAL ITALY
28	15 50 12 3 32.849 S	68 366 W	163 *	0.8	20	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN)
28	17 16 40.9 46 361 N	150.971 E	86 D 5.0	0.8	172	KURIL ISLANDS mb 5.4 (BRK).
28	17 19 28.6? 31.54 S	69.43 W	130 ?	0.4	7	SAN JUAN PROVINCE, ARGENTINA
28	17 22 49.8? 26.811 S	26.735 E	5 G	0.5	9	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
f 28	18 07 48.2 5.573 S	154.132 E	26 G 5.6 5.9	1.1	266	SOLOMON ISLANDS. Mw 6.2 (GS), 6.1 (HRV). Ms 6.2 (BRK). Ma=1 2*10**18 Nm (PPT). Depth from broadband displacement seismograms.
28	18 43 45.9& 60.091 N	152.313 W	87		46	SOUTHERN ALASKA. <AEIC>.
28	19 42 27.4? 28.40 S	68.04 W	166 ?	0.4	8	LA RIOJA PROVINCE, ARGENTINA
28	19 56 07.2* 14.179 N	92.233 W	83 4.5	1.1	51	NEAR COAST OF CHIAPAS, MEXICO
28	20 02 19.2? 31.33 S	69.10 W	90 G	0.1	5	SAN JUAN PROVINCE, ARGENTINA
28	20 18 46.9? 38.891 N	26.961 E	10 G	0.4	5	AEGEAN SEA. ML 2.9 (ISK).
28	20 24 16.9 43.031 N	2.649 E	10 G	1.1	16	FRANCE. ML 3.0 (LDG).
28	20 57 21.2* 5.323 S	125 980 E	524 * 4.4	0.9	15	BANDA SEA
28	21 28 37.0? 38.033 N	14 206 E	5 G	1.0	7	SICILY
28	22 14 54.3* 3.793 N	128.193 E	157 * 4.9	1.1	14	NORTH OF HALMAHERA, INDONESIA
28	22 49 31 2? 31.17 S	68 35 W	100 G	0.3	4	SAN JUAN PROVINCE, ARGENTINA
28	22 52 13.7* 44 833 N	148 708 E	33 N 4 2	1 0	14	KURIL ISLANDS
28	23 17 14.4* 31.351 N	138 322 E	393 ? 4 2	1.4	13	SOUTH OF HONSHU, JAPAN

28	23	32	26	4%	36	713	N	114.969	E	33	N		1	2	5	SOUTHEASTERN CHINA. ML 3 6 (BJI)	
28	23	48	43	0%	34	118	N	116.917	W	9					5	SOUTHERN CALIFORNIA <PAS-P>. ML 2.7 (PAS). Felt in the Big Bear Lake area.	
29	00	41	19	3	40	280	N	142.978	E	42	4	4	0.9	28		NEAR EAST COAST OF HONSHU, JAPAN	
29	01	26	32	3+	16	367	S	71.948	W	203	?	4.3	0.6	7		SOUTHERN PERU	
29	01	30	50	1?	38	17	S	175.87	E	187	?		0.6	10		NORTH ISLAND, NEW ZEALAND	
29	02	15	20	2?	9	94	N	70.01	W	10	G		0.2	4		VENEZUELA	
29	02	43	03	8+	13	694	N	119.951	E	63	+	5.0	1.0	11		PHILIPPINE ISLANDS REGION	
29	03	19	38	3	50	543	N	30.186	W	10	G	4.4	1.0	42		NORTHERN MID-ATLANTIC RIDGE	
29	03	30	31	1?	31	40	S	69.32	W	120	G		0.2	5		SAN JUAN PROVINCE, ARGENTINA	
29	04	01	06	9?	31	22	S	68.44	W	90	G		0.3	5		SAN JUAN PROVINCE, ARGENTINA	
29	04	14	56	7?	31	51	S	67.89	W	100	G		0.3	5		SAN JUAN PROVINCE, ARGENTINA	
29	04	19	02	7?	29	40	S	175.63	W	33	N	4.7	1.0	9		KERMADEC ISLANDS REGION	
29	04	24	39	4	28	734	S	176.641	W	35	D	5.1	4.8	1.2	57	KERMADEC ISLANDS REGION	
29	04	42	30	5?	7	38	S	129.99	E	193	?	4.5	1.5	7		BANDA SEA	
29	05	00	46	1%	44	369	N	7.318	E	10	G		0.2	5		NORTHERN ITALY. ML 1.6 (GEN).	
29	05	56	03	1	39	324	N	27.701	E	10	G		0.5	15		TURKEY. ML 3.4 (ISK). MD 3 3 (ATH).	
29	06	09	24	6?	46	26	N	1.67	E	10	G		0.1	4		FRANCE ML 1.7 (STR).	
29	06	27	19	9%	60	612	N	151.979	W	99				77		KENAI PENINSULA, ALASKA. <AEIC>	
29	07	27	22	1%	62	124	N	155.023	W	7				35		CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.4 (PMR).	
29	07	37	32	9?	39	09	N	27.55	E	10	G		0.9	4		TURKEY. ML 2.7 (ISK).	
29	07	37	42	0?	31	15	S	68.26	W	110	G		0.6	6		SAN JUAN PROVINCE, ARGENTINA	
29	07	45	16	4%	39	113	N	27.630	E	10	G		0.2	5		TURKEY. ML 2.8 (ISK).	
29	07	46	48	6%	37	514	N	118.671	W	6				6		CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM)	
29	08	31	43	5	21	584	S	69.013	W	154	+		1.2	16		NORTHERN CHILE	
29	08	41	49	7	13	400	N	90.764	W	77		4	8	100		NEAR COAST OF GUATEMALA	
29	09	28	07	0?	38	83	N	30.89	E	10	G		1.0	4		TURKEY. ML 3.1 (ISK).	
29	09	37	02	5?	41	09	N	28.73	E	10	G		0.3	4		TURKEY. ML 2.7 (ISK).	
29	09	57	00	2	35	709	N	137.095	E	10	G		0.6	17		EASTERN HONSHU, JAPAN	
29	09	59	54	1+	49	537	N	14.958	E	10	G		0.5	5		CZECH AND SLOVAK REPUBLICS. ML 2 9 (VIE).	
29	10	16	10	0?	4	28	S	139.00	E	33	N	4.7	1	0		IRIAN JAYA, INDONESIA	
29	10	47	12	1%	31	715	S	68.419	W	10	G		0.4	6		SAN JUAN PROVINCE, ARGENTINA	
29	11	47	25	7%	36	910	N	88.920	W	8				8		TENNESSEE. <SLM-P>. MD 2.6 (SLM). Felt in Carlisle County, Kentucky.	
29	12	23	10	0+	28	580	N	99.480	E	33	N	4.5	1.4	14		YUNNAN, CHINA. ML 4.1 (BJI)	
29	12	52	08	5?	40	88	N	23.94	E	10	G		0.1	4		GREECE. ML 2.0 (THE).	
29	13	00	20	4%	26	169	S	27.300	E	5	G		0.3	5		REPUBLIC OF SOUTH AFRICA ML 2.6 (PRE).	
29	13	41	36	5%	26	381	S	27.326	E	5	G		0.8	6		REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).	
29	13	46	28	6%	26	383	S	27.411	E	5	G		1.1	6		REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE)	
29	13	52	17	7	39	377	N	27.670	E	5		3.7	0.8	26		TURKEY. ML 3.9 (ISK). MD 3.8 (ATH).	
29	13	52	45	5	57	444	N	150.615	W	10	G		0.8	54		GULF OF ALASKA. ML 2.9 (AEIC).	
29	13	52	56	0	57	432	N	150.609	W	10	G		0.7	38		GULF OF ALASKA. ML 3.1 (AEIC).	
29	14	21	25	6?	39	50	N	27.68	E	10	G		0.8	4		TURKEY ML 2.6 (ISK).	
29	14	53	19	4	42	510	N	142.849	E	57	D	5.0	0.9	173		HOKKAIDO, JAPAN REGION	
29	15	00	49	8?	21	18	S	169.97	E	33	N	4.5	1	7		LOYALTY ISLANDS REGION	
29	15	06	53	7%	37	015	N	2.428	W	10	G		1	2		SPAIN. mbLg 3 4 (MDD). Felt (IV) in the Tabernas area	
29	15	41	12	7	47	149	N	10.244	E	10	G		0.9	10		AUSTRIA ML 2 5 (FUR), 2 4 (VIE).	
29	16	08	09	1%	33	252	N	116.137	W	12				10		SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt.	
29	16	15	28	3	35	618	N	137.012	E	10	G		0.4	9		EASTERN HONSHU, JAPAN	
29	16	43	54	0%	28	032	S	26.895	E	5	G		0.8	6		REPUBLIC OF SOUTH AFRICA ML 2 4 (PRE).	
29	17	08	15	7	38	736	N	27.398	E	10	G		0.2	9		TURKEY. ML 3.3 (ISK).	
29	17	15	18	7?	38	65	N	27.58	E	10	G		0.4	4		TURKEY. ML 2.7 (ISK).	
29	17	29	14	0+	31	601	S	66.996	W	143	?		0.6	8		LA RIOJA PROVINCE, ARGENTINA	
29	17	58	21	2	29	847	N	114.334	E	10	G	4.1	1.1	12		SOUTHEASTERN CHINA. ML 4.2 (BJI).	
29	18	43	15	2%	44	210	N	8.260	E	10	G		0.2	5		NORTHERN ITALY. ML 1.6 (GEN).	
29	18	43	46	8%	44	248	N	8.216	E	5	G		0.2	5		NORTHERN ITALY. ML 1.8 (GEN).	
29	18	45	40	0%	44	269	N	8.221	E	5	G		0.3	5		NORTHERN ITALY. ML 1.8 (GEN).	
29	19	42	24	1+	31	337	S	67.967	W	111	?		0.6	10		SAN JUAN PROVINCE, ARGENTINA	
29	19	47	11	6%	61	312	N	6.952	E	10	G		1	4		SOUTHERN NORWAY. MD 1.6 (BER).	
29	19	58	08	7%	44	278	N	8.213	E	5	G		0.2	5		NORTHERN ITALY. ML 1.8 (GEN).	
29	19	59	37	7%	44	241	N	8.213	E	10	G		0.4	5		NORTHERN ITALY. ML 1.7 (GEN).	
29	20	00	37	1%	44	274	N	8.230	E	5	G		0.4	6		NORTHERN ITALY. ML 1.9 (GEN).	
29	20	03	42	8?	44	27	N	8.22	E	5	G		0.1	4		NORTHERN ITALY. ML 1.5 (GEN).	
29	20	09	48	9%	61	410	N	150.727	W	47				49		SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).	
29	20	16	58	7	17	522	N	100.422	W	36	D	5.0	4.3	1.0	120		GUERRERO, MEXICO. Felt at Mexico City.
29	20	25	53	0	43	454	N	17.421	E	13			1.3	24		NORTHWESTERN BALKAN REGION. ML 3.4 (TTG).	
29	21	16	02	6	49	140	N	6.905	E	10	G		1	0		GERMANY. ML 2.8 (STR), 2.5 (GRF). MD 2.9 (UCC)	
29	21	20	14	4%	39	350	N	27.668	E	10	G		0.5	5		TURKEY. ML 2.7 (ISK).	
29	21	31	28	7%	35	025	N	116.973	W	5				13		CENTRAL CALIFORNIA <PAS-P>. ML 3.3 (PAS), 3 0 (GS).	
29	21	33	05	2%	41	958	N	19.173	E	10	G		0	4		ALBANIA. ML 1.8 (TTG).	
29	22	08	51	4	38	058	N	39.241	E	15		3.5	1	0		TURKEY	
29	22	28	08	5%	44	468	N	7.212	E	10	G		0.4	5		NORTHERN ITALY. ML 2.0 (GEN).	
29	22	34	05	7+	29	480	S	67.803	W	143	?		1.2	13		LA RIOJA PROVINCE, ARGENTINA	
29	22	42	16	6%	34	975	N	116.944	W	0				7		SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).	
29	22	50	42	7%	42	908	N	18.750	E	10	G		0.2	5		NORTHWESTERN BALKAN REGION. ML 1.3 (TTG)	
29	23	21	12	5%	44	353	N	7.345	E	10	G		0.1	5		NORTHERN ITALY. ML 1.7 (GEN).	
29	23	45	29	2%	40	322	N	3.104	W	10	G		0.9	5		SPAIN mbLg 2.9 (MDD).	
30	00	10	34	3+	37	368	S	177.444	E	223	?		0.7	27		OFF E COAST OF N ISLAND, N.Z.	
30	01	02	08	5	8	562	N	102.687	W	10	G	5.0	4.6	1.1	43		OFF COAST OF MEXICO. Mw 5.3 (HRV). Ms 4.5 (BRK).
30	01	21	54	8?	8	94	N	127.51	E	10	G		1.3	8		PHILIPPINE ISLANDS REGION	
30	01	39	22	8?	29	62	S	70.69	W	110	G		1.0	8		CENTRAL CHILE	
30	01	57	27	3%	33	783	S	71.588	W	9			0.7	9		NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).	
30	02	59	00	4+	45	842	N	11.309	E	10	G		0.6	10		NORTHERN ITALY. ML 2.7 (VIE).	
30	03	11	17	0%	61	253	N	149.529									

31	14	20	15.97	31	16	S	67.99	W	100	G	0	3	4	SAN JUAN PROVINCE, ARGENTINA		
31	14	38	14.27	35	85	S	179.60	W	58	?	4	6	0	6	10	EAST OF NORTH ISLAND, N Z.
31	14	52	30.82	28	320	S	26.904	E	5	G	0	6	0	6	5	REPUBLIC OF SOUTH AFRICA
31	15	14	11.8	31	589	N	69.317	W	124		4	2	0	9	24	SAN JUAN PROVINCE, ARGENTINA MD 4.4 (SAN).
31	17	36	37.4	6	806	N	73.039	W	163		4	5	0	8	78	NORTHERN COLOMBIA
31	17	53	01.4	29	394	N	34.475	E	10	G	4	4	1	3	17	EGYPT MD 4.3 (HLW).
31	18	27	12.3	15	684	S	76.426	W	40	?			1	0	7	OFF COAST OF PERU
31	19	02	40.9	17	430	N	120.849	E	10	G			1	2	5	LUZON, PHILIPPINE ISLANDS
31	19	10	05.17	31	54	S	69.45	W	120	G	0	1	5	0	1	SAN JUAN PROVINCE, ARGENTINA
31	19	28	27.37	40	63	N	31.32	E	10	G	0	7	4	0	7	TURKEY. ML 3.1 (ISK).
31	19	29	21.77	27	98	N	91.94	E	33	N	4	4	0	5	11	BHUTAN
31	19	50	09.2	45	029	N	7.335	E	11				0	7	28	NORTHERN ITALY. ML 2.8 (GEN). 2 5 (LDG).
31	20	16	11.47	31	50	S	69.31	W	120	G	0	4	6	0	4	SAN JUAN PROVINCE, ARGENTINA
31	20	45	50.67	40	81	N	31.84	E	10	G	1	2	4	0	4	TURKEY. MG 3.0 (DDA).
31	20	57	04.37	39	996	N	27.163	E	10	G	0	4	5	0	4	TURKEY. ML 2.7 (ISK).
31	21	07	28.57	45	64	N	26.47	E	150	G	0	5	5	0	5	ROMANIA
31	21	09	38.6	64	423	N	162.447	W	10	G	1	0	12	0	12	NORTHERN ALASKA. ML 4.0 (AEIC). 3 5 (PMR). Felt at Elim and Golovin.
31	21	29	00.77	31	22	S	65.86	W	170	G	4	9	0	5	6	CORDOBA PROVINCE, ARGENTINA
31	21	35	39.77	40	083	N	29.299	E	10	G	0	8	9	0	8	TURKEY
31	21	40	07.07	46	02	N	14.23	E	10	G	0	4	4	0	4	NORTHWESTERN BALKAN REGION. MD 2 2 (LJU).
31	21	58	31.27	46	03	N	14.25	E	10	G	0	4	4	0	4	NORTHWESTERN BALKAN REGION. MD 2 2 (LJU).
31	22	02	11.7	10	698	N	86.571	W	71	*	4	2	1	0	19	OFF COAST OF COSTA RICA
31	22	38	01.3	29	665	S	27.768	E	10	G	1	1	8	1	8	LESOTHO. ML 3.8 (PRE)
31	23	08	06.37	28	134	S	66.738	W	160	G	0	2	7	0	2	CATAMARCA PROVINCE, ARGENTINA
31	23	13	16.8	56	210	N	112.476	E	10	G	4	8	0	8	69	LAKE BAYKAL REGION, RUSSIA

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

02 04 11 04 55 71.511N 11.422W 10km	Centroid Location:	faulting. The preferred fault
5.3mb (130 obs.) 5.3Msz (50 obs.)	Origin Time 00:52:46 8 0.2	plane is not determined.
JAN MAYEN ISLAND REGION	Lat 25.12S 0 02 Lon 112 33W 0.02	RADIATED ENERGY
CENTROID, MOMENT TENSOR (HRV)	Dep 15 0 FIX Half-duration 2.2	No of sta: 11 Focal mech. F
Data Used: GDSN	Principal Axes	Energy 3.2±0.6*10**13 Nm
L.P.B.: 35S, 67C	Scale 10**17 Nm	MOMENT TENSOR SOLUTION
Centroid Location:	T Val= 7 46 Plg= 4 Azm=308	Dep 10 No of sta: 13
Origin Time 04:11:11.3 0.2	N -0 63 82 188	Principal Axes:
Lat 71.81N 0.03 Lon 12.31W 0.08	P -6 83 7 38	Scale 10**18 Nm
Dep 15.0 FIX Half-duration 1.7	Best Double Couple Mo=7 1*10**17	T Val= 3.55 Plg= 0 Azm=295
Principal Axes:	NP1 Strike= 83 Dip=82 Slip= -2	N -0.05 80 204
Scale 10**17 Nm	NP2 173 88 -172	P -3 51 10 25
T Val= 4 41 Plg=22 Azm=155	05 06 54 09 81 8.542N 102 910W 10km	Best Double Couple Mo=3.5*10**18
N -0.15 64 302	4 9mb (28 obs) 5 0Msz (24 obs)	NP1:Strike= 70 Dip=83 Slip= -7
P -4.26 13 59	OFF COAST OF MEXICO	NP2: 161 83 -173
Best Double Couple Mo=4.3*10**17	CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)
NP1 Strike=195 Dip=65 Slip= 173	Data Used: GDSN	Data Used: GDSN
NP2 288 84 25	L.P.B.: 38S, 75C	L.P.B.: 46S, **C M W . 39S, 79C
02 15 26 58.83 53.082N 161 881W 33km	Centroid Location	Centroid Location:
5 6mb (141 obs.) 4.7Msz (33 obs.)	Origin Time 06:54 15 1 0 2	Origin Time 02 53:11 6 0.1
SOUTH OF ALASKA	Lat 8 73N 0.03 Lon 103 32W 0 03	Lat 25 21S 0 01 Lon 112 35W 0 01
CENTROID, MOMENT TENSOR (HRV)	Dep 15 0 FIX Half-duration 1.5	Dep 15.0 BDY Half-duration 3.5
Data Used: GDSN	Principal Axes	Principal Axes
L.P.B.: 37S, 64C	Scale 10**17 Nm	Scale 10**18 Nm
Centroid Location:	T Val= 2 57 Plg=12 Azm=218	T Val= 4 26 Plg= 8 Azm=295
Origin Time 15:26:58.0 0.2	N 0.35 77 14	N -0 45 77 165
Lat 52.72N 0.04 Lon 161.81W 0.05	P -2 91 5 127	P -3 81 9 27
Dep 15.0 BDY Half-duration 1 4	Best Double Couple Mo=2.7*10**17	Best Double Couple Mo=4.0*10**18
Principal Axes:	NP1:Strike=262 Dip=78 Slip= 175	NP1 Strike= 71 Dip=77 Slip= -1
Scale 10**17 Nm	NP2 353 85 12	NP2: 161 89 -167
T Val= 1 21 Plg= 4 Azm=131	05 15 20 57.76 30 242N 138.808E 420km	06 18 34 12.45 20.431S 168.810E 37km
N 0.13 5 41	5 3mb (113 obs.)	5 3mb (21 obs) 5.0Msz (8 obs.)
P -1 34 84 265	SOUTH OF HONSHU, JAPAN	LOYALTY ISLANDS
Best Double Couple Mo=1.3*10**17	CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)
NP1:Strike=226 Dip=41 Slip= -83	Data Used: GDSN	Data Used: GDSN
NP2: 37 50 -96	L.P.B.: 30S, 54C	L.P.B.: 20S, 29C
03 19 43 59 51 3.005S 129.323E 32km	Centroid Location:	Centroid Location:
5.4mb (47 obs.) 5.0Msz (35 obs.)	Origin Time 15:20:59.1 0.4	Origin Time 18:34:16.4 0.5
SERAM, INDONESIA	Lat 30 27N 0 03 Lon 138.77E 0.04	Lat 20 83S 0.08 Lon 168.68E 0.07
CENTROID, MOMENT TENSOR (HRV)	Dep 407 6 2.3 Half-duration 1 8	Dep 15 0 FIX Half-duration 1.2
Data Used: GDSN	Principal Axes	Principal Axes:
L.P.B.: 36S, 63C	Scale 10**17 Nm	Scale 10**16 Nm
Centroid Location:	T Val= 2 23 Plg=10 Azm= 36	T Val= 10.09 Plg=68 Azm= 79
Origin Time 19:44: 1.8 0.4	N 0 49 33 132	N 2.84 1 346
Lat 2.74S 0 03 Lon 129.48E 0.04	P -2.72 55 290	P -12.93 22 256
Dep 30 3 2 6 Half-duration 1.4	Best Double Couple Mo=2.5*10**17	Best Double Couple Mo=1.2*10**17
Principal Axes:	NP1:Strike= 92 Dip=45 Slip=-140	NP1:Strike=343 Dip=23 Slip= 87
Scale 10**17 Nm	NP2: 331 63 -53	NP2: 166 67 91
T Val= 1 68 Plg=57 Azm=264	06 02 53 03.78 24.601S 111.888W 10km	07 11 10 53.33 27.887N 127.992E 35km
N -0 24 22 135	5.5mb (31 obs.) 6.1Msz (37 obs.)	5.1mb (44 obs) 4 9Msz (21 obs)
P -1 44 23 35	EASTER ISLAND REGION	RYUKYU ISLANDS
Best Double Couple Mo=1 6*10**17	FAULT PLANE SOLUTION: P-Waves	CENTROID, MOMENT TENSOR (HRV)
NP1:Strike= 89 Dip=29 Slip= 40	NP1:Strike=243 Dip=87 Slip= 0	Data Used: GDSN
NP2: 323 72 113	NP2: 333 90 183	L.P.B.: 19S, 28C
05 00 52 41 46 24.886S 112.393W 10km	Principal Axes:	Centroid Location:
5.2mb (25 obs.) 5 6Msz (30 obs.)	T Plg= 2 Azm=108	Origin Time 11:10:54.9 0.5
EASTER ISLAND REGION	P 2 198	Lat 27 84N 0.07 Lon 127 70E 0 07
CENTROID, MOMENT TENSOR (HRV)	Comment: The focal mechanism is	Dep 32.4 6 0 Half-duration 1.7
Data Used: GDSN	moderately well controlled and	Principal Axes:
L.P.B.: 43S, 99C	corresponds to strike-slip	Scale 10**17 Nm
		T Val= 2.21 Plg= 5 Azm=144

N -0.40 69 42
P -1.80 21 236
Best Double Couple Mo=2.0*10**17
NP1 Strike=278 Dip=72 Slip=-12
NP2 12 79 -162

07 15 38 16 31 2 046N 126.528E 62km
5.0mb (18 obs.)
NORTHERN MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 15:38:21.5 1.2
Lat 2.83N 0.09 Lon 126.87E 0.10
Dep 47.4 7.7 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Vol= 2.20 P1g=84 Azm=220
N 1.10 5 57
P -3.30 2 327
Best Double Couple Mo=2.8*10**16
NP1 Strike= 51 Dip=44 Slip= 82
NP2 242 47 97

08 10 35 49.80 20 832S 169.294E 34km
5.5mb (41 obs.) 5.3msz (40 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 35S, 58C
Centroid Location:
Origin Time 10:35:55.0 0.4
Lat 20.66S 0.04 Lon 169.26E 0.04
Dep 33.5 2.2 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Vol= 1.85 P1g=76 Azm=111
N 0.44 5 222
P -2.28 13 313
Best Double Couple Mo=2.1*10**17
NP1 Strike= 51 Dip=32 Slip= 100
NP2 219 58 84

08 18 22 17 81 20.858S 172.317E 33km
5.4mb (40 obs.) 5.9msz (53 obs.)
VANUATU ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1 Strike=192 Dip=88 Slip=-173
NP2 102 83 -2
Principal Axes:
T P1g= 4 Azm=327
P 6 57
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 11 Focal mech. F
Energy 1.1±0.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 29 No. of sta: 21
Principal Axes:
Scale 10**18 Nm
T Vol= 1.07 P1g=14 Azm=317
N 0.02 76 141
P -1.09 1 47
Best Double Couple Mo=1.1*10**18
NP1 Strike= 93 Dip=80 Slip= 9
NP2 1 81 169
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 52S, **C
Centroid Location:
Origin Time 18:22:22.3 0.2
Lat 20.65S 0.02 Lon 172.42E 0.02
Dep 15.0 FIX Half-duration 2.6
Principal Axes:
Scale 10**18 Nm
T Vol= 1.26 P1g= 1 Azm=132
N -0.10 82 34
P -1.16 8 222
Best Double Couple Mo=1.2*10**18
NP1 Strike=267 Dip=84 Slip= -5
NP2 357 85 -173

09 10 29 21 54 28 416N 55 369E 23km
5.3mb (96 obs.) 4.8msz (17 obs.)
SOUTHERN IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN

L.P.B.: 15S, 19C
Centroid Location:
Origin Time 10:29:25.5 0.5
Lat 28.45N 0.07 Lon 55.51E 0.13
Dep 23.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Vol= 7.32 P1g=65 Azm=144
N 0.21 13 262
P -7.53 22 357
Best Double Couple Mo=7.4*10**16
NP1 Strike=110 Dip=26 Slip= 120
NP2 257 68 76

09 13 03 09.51 17.369S 167.929E 17km
5.6mb (57 obs.) 5.6msz (54 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1 Strike=160 Dip=70 Slip= 90
NP2 340 20 90
Principal Axes:
T P1g=65 Azm= 70
P 25 250
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. F
Energy 3.5±0.8*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 23 No. of sta: 34
Principal Axes:
Scale 10**17 Nm
T Vol= 8.01 P1g=69 Azm= 68
N 0.81 11 187
P -8.82 18 280
Best Double Couple Mo=8.4*10**17
NP1 Strike= 27 Dip=29 Slip= 113
NP2 181 64 78
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 50S, **C
Centroid Location:
Origin Time 13:03:18.1 0.1
Lat 17.42S 0.02 Lon 167.65E 0.02
Dep 15.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Vol= 7.68 P1g=75 Azm= 60
N 0.49 6 172
P -8.17 14 263
Best Double Couple Mo=7.9*10**17
NP1 Strike= 2 Dip=31 Slip= 101
NP2 169 59 83

09 15 37 53 65 19.782S 177.486W 398km
6.0mb (101 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1 Strike= 45 Dip=86 Slip= -90
NP2 225 4 -90
Principal Axes:
T P1g=41 Azm=135
P 49 315
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 11 Focal mech. M
Energy 1.0±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 419 No. of sta: 16
Principal Axes:
Scale 10**18 Nm
T Vol= 1.19 P1g=37 Azm=116
N -0.01 5 210
P -1.17 53 307
Best Double Couple Mo=1.2*10**18
NP1 Strike=176 Dip= 9 Slip=-124
NP2 30 82 -85
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 46S, **C
Centroid Location:
Origin Time 15:38: 0.8 0.2
Lat 19.74S 0.02 Lon 177.31W 0.01
Dep 418 2.0 Half-duration 2.7
Principal Axes:
Scale 10**18 Nm

T Vol= 1.45 P1g=43 Azm=122
N 0.08 10 221
P -1.52 45 321
Best Double Couple Mo=1.5*10**18
NP1 Strike=137 Dip=10 Slip=-174
NP2 42 89 -80

10 20 40 58.93 9 821N 83 622W 20km
5.3mb (76 obs.) 5.6msz (21 obs.)
COSTA RICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 48S, **C
Centroid Location:
Origin Time 20:41: 3.3 0.2
Lat 9.85N 0.02 Lon 83.49W 0.02
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Vol= 6.99 P1g= 0 Azm=123
N -0.76 90 180
P -6.23 0 33
Best Double Couple Mo=6.6*10**17
NP1 Strike=168 Dip=90 Slip=-180
NP2 258 90 0

11 13 36 21.24 25.304S 70.166W 48km
6.2mb (106 obs.) 6.1msz (55 obs.)
NEAR COAST OF NORTHERN CHILE
FAULT PLANE SOLUTION: P-Waves
NP1 Strike=187 Dip=74 Slip= 57
NP2 74 36 152
Principal Axes:
T P1g=50 Azm= 60
P 22 302
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: 24 Focal mech. C
Energy 5.1±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 44 No. of sta: 25
Principal Axes:
Scale 10**18 Nm
T Vol= 8.58 P1g=66 Azm= 35
N -0.02 19 177
P -8.56 14 272
Best Double Couple Mo=8.6*10**18
NP1 Strike= 26 Dip=36 Slip= 124
NP2 166 61 68
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 52S, **C M.W.: 45S, **C
Centroid Location:
Origin Time 13:36:32.0 0.1
Lat 25.31S 0.01 Lon 70.56W 0.01
Dep 49.0 0.6 Half-duration 5.0
Principal Axes:
Scale 10**18 Nm
T Vol= 9.79 P1g=66 Azm= 78
N 0.55 2 172
P -10.34 24 263
Best Double Couple Mo=1.0*10**19
NP1 Strike=356 Dip=21 Slip= 95
NP2 171 69 88

11 17 48 11.01 47.626N 154.156E 28km
5.6mb (146 obs.) 5.3msz (46 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 71C
Centroid Location:
Origin Time 17:48:16.8 0.3
Lat 47.72N 0.04 Lon 154.57E 0.04
Dep 37.6 2.5 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Vol= 4.82 P1g=75 Azm=335
N 0.65 9 209
P -5.47 12 117
Best Double Couple Mo=5.2*10**17
NP1 Strike=196 Dip=34 Slip= 74
NP2 34 57 100

12 05 05 31.32 72.175N 1.071E 10km
5.1mb (97 obs.) 4.9msz (42 obs.)
NORWEGIAN SEA
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN
 L.P.B.: 135, 20C
 Centroid Location:
 Origin Time: 05:05:38.8 0.5
 Lat 72.64N 0.07 Lon 0.56E 0.24
 Dep 15.0 FIX Half-duration 1.3
 Principal Axes:
 Scale 10**16 Nm
 T Val= 10.16 Plg=18 Azm=124
 N 0.16 31 23
 P -10.32 53 239
 Best Double Couple: Mo=1.0*10**17
 NP1 Strike=251 Dip=39 Slip= -34
 NP2 9 69 -123

12 13 17 11.96 42.851N 139.197E 17km
 6.6mb (162 obs.) 7.6Msz (38 obs.)
 HOKKAIDO, JAPAN REGION
 FAULT PLANE SOLUTION, P-Waves
 NP1 Strike=190 Dip=45 Slip= 115
 NP2 336 50 67
 Principal Axes:
 T Plg=72 Azm=181
 P 3 100
 Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.

RADIATED ENERGY
 No. of sta. 30 Focal mech. M
 Energy 8.7±1.5*10**15 Nm
 MOMENT TENSOR SOLUTION
 Dep 18 No of sta: 18
 Principal Axes:
 Scale 10**20 Nm
 T Val= 0.99 Plg=65 Azm=216
 N 0.15 22 7
 P -1.13 11 101
 Best Double Couple: Mo=1.1*10**20
 NP1 Strike=217 Dip=39 Slip= 127
 NP2 353 60 64
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 M.W.: 43S, **C
 Centroid Location:
 Origin Time: 13:17:36.9 0.1
 Lat 42.71N 0.01 Lon 139.28E 0.01
 Dep 16.5 0.4 Half-duration 16.3
 Principal Axes:
 Scale 10**20 Nm
 T Val= 4.80 Plg=80 Azm= 88
 N -0.29 0 180
 P -4.51 10 270
 Best Double Couple: Mo=4.7*10**20
 NP1 Strike= 0 Dip=35 Slip= 91
 NP2 179 55 90

13 08 35 53.32 3.372S 145.633E 24km
 5.3mb (37 obs.) 5.6Msz (45 obs.)
 NEAR N COAST OF NEW GUINEA, PNG.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 44S, 98C
 Centroid Location:
 Origin Time: 08:35:56.3 0.2
 Lat 3.25S 0.02 Lon 145.85E 0.02
 Dep 15.0 FIX Half-duration 1.8
 Principal Axes:
 Scale 10**17 Nm
 T Val= 4.77 Plg=13 Azm=134
 N 0.26 64 16
 P -5.03 23 229
 Best Double Couple: Mo=4.9*10**17
 NP1 Strike=270 Dip=65 Slip= -7
 NP2 3 83 -154

14 12 31 49.44 38.224N 21.756E 23km
 5.3mb (131 obs.) 5.5Msz (37 obs.)
 GREECE
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 33S, 63C
 Centroid Location:
 Origin Time: 12:31:54.0 0.2
 Lat 38.17N 0.03 Lon 21.67E 0.04
 Dep 20.0 FIX Half-duration 1.6
 Principal Axes:
 Scale 10**17 Nm
 T Val= 2.87 Plg= 0 Azm=190
 N 0.66 66 281

P -3.53 24 100
 Best Double Couple: Mo=3.2*10**17
 NP1 Strike=238 Dip=73 Slip= -163
 NP2 143 73 -18

14 17 38 33.92 43.181N 139.124E 20km
 5.5mb (122 obs.)
 EASTERN SEA OF JAPAN
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 18S, 23C
 Centroid Location:
 Origin Time: 17:38:39.2 0.7
 Lat 43.06N 0.09 Lon 138.58E 0.10
 Dep 20.0 FIX Half-duration 1.0
 Principal Axes:
 Scale 10**16 Nm
 T Val= 5.96 Plg=74 Azm=159
 N -1.26 13 18
 P -4.71 10 285
 Best Double Couple: Mo=5.3*10**16
 NP1 Strike= 0 Dip=37 Slip= 68
 NP2 207 56 106

15 00 51 13.14 46.679N 152.577E 32km
 5.7mb (151 obs.) 5.0Msz (44 obs.)
 KURIL ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 33S, 67C
 Centroid Location:
 Origin Time: 00:51:20.5 0.3
 Lat 46.66N 0.03 Lon 152.77E 0.03
 Dep 52.4 2.3 Half-duration 1.4
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.39 Plg=75 Azm=268
 N 0.31 8 33
 P -1.69 12 124
 Best Double Couple: Mo=1.5*10**17
 NP1 Strike=225 Dip=34 Slip= 105
 NP2 27 58 80

15 19 37 37.90 42.670N 139.016E 20km
 5.3mb (101 obs.) 4.7Msz (23 obs.)
 HOKKAIDO, JAPAN REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 11S, 16C
 Centroid Location:
 Origin Time: 19:37:44.1 1.1
 Lat 42.76N 0.10 Lon 138.75E 0.10
 Dep 20.0 FIX Half-duration 1.0
 Principal Axes:
 Scale 10**16 Nm
 T Val= 10.83 Plg=63 Azm= 46
 N -0.71 20 181
 P -10.12 18 277
 Best Double Couple: Mo=1.0*10**17
 NP1 Strike= 35 Dip=32 Slip= 129
 NP2 171 66 68

16 12 55 36.13 10.810N 86.270W 26km
 4.8mb (19 obs.) 4.8Msz (14 obs.)
 OFF COAST OF COSTA RICA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 28S, 45C
 Centroid Location:
 Origin Time: 12:55:43.6 1.0
 Lat 10.70N 0.08 Lon 86.75W 0.06
 Dep 19.5 3.2 Half-duration 1.2
 Principal Axes:
 Scale 10**16 Nm
 T Val= 9.70 Plg=66 Azm= 34
 N 1.40 1 301
 P -11.10 24 210
 Best Double Couple: Mo=1.0*10**17
 NP1 Strike=298 Dip=21 Slip= 86
 NP2 122 69 91

16 21 21 26.41 33.173S 71.994W 31km
 5.4mb (36 obs.) 5.2Msz (27 obs.)
 NEAR COAST OF CENTRAL CHILE
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 38S, 62C
 Centroid Location:
 Origin Time: 21:21:35.2 0.2
 Lat 33.32S 0.04 Lon 72.56W 0.04
 Dep 19.2 2.2 Half-duration 1.9
 Principal Axes:
 Scale 10**17 Nm

T Val= 3.44 Plg=42 Azm= 64
 N 0.07 7 167
 P -3.51 20 260
 Best Double Couple: Mo=3.5*10**17
 NP1 Strike= 7 Dip=18 Slip= 111
 NP2 164 73 83

17 01 35 39.70 30.000S 71.591W 52km
 5.5mb (62 obs.) 5.1Msz (33 obs.)
 NEAR COAST OF CENTRAL CHILE
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 39S, 66C
 Centroid Location:
 Origin Time: 01:35:45.3 0.2
 Lat 30.03S 0.03 Lon 71.58W 0.04
 Dep 67.4 3.9 Half-duration 1.5
 Principal Axes:
 Scale 10**17 Nm
 T Val= 3.86 Plg=52 Azm=125
 N 0.08 7 26
 P -3.95 37 290
 Best Double Couple: Mo=3.9*10**17
 NP1 Strike=342 Dip=10 Slip= 46
 NP2 207 83 97

17 09 46 34.67 28.011N 99.636E 31km
 5.3mb (112 obs.) 4.8Msz (7 obs.)
 YUNNAN, CHINA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 30S, 57C
 Centroid Location:
 Origin Time: 09:46:39.3 0.6
 Lat 27.42N 0.05 Lon 99.82E 0.06
 Dep 15.0 BDY Half-duration 1.2
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.37 Plg=17 Azm= 25
 N -0.02 18 290
 P -1.36 65 155
 Best Double Couple: Mo=1.4*10**17
 NP1 Strike=140 Dip=33 Slip= -55
 NP2 280 64 -110

17 17 17 30.03 2.036N 126.678E 63km
 5.6mb (76 obs.)
 NORTHERN MOLUCCA SEA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 44S, 83C
 Centroid Location:
 Origin Time: 17:17:35.0 0.3
 Lat 2.46N 0.03 Lon 126.93E 0.03
 Dep 61.3 2.0 Half-duration 1.4
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.81 Plg=70 Azm= 56
 N 0.23 19 222
 P -2.05 4 314
 Best Double Couple: Mo=1.9*10**17
 NP1 Strike= 63 Dip=44 Slip= 118
 NP2 207 52 66

17 23 56 36.57 6.091S 113.090E 567km
 5.3mb (66 obs.)
 JAWA, INDONESIA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 23S, 36C
 Centroid Location:
 Origin Time: 23:56:41.4 0.5
 Lat 6.18S 0.03 Lon 113.07E 0.07
 Dep 59.4 2.8 Half-duration 1.2
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.19 Plg=15 Azm= 4
 N -0.25 27 101
 P -0.94 58 249
 Best Double Couple: Mo=1.1*10**17
 NP1 Strike= 61 Dip=39 Slip= -137
 NP2 296 65 -59

20 07 38 19.46 16.807S 172.595W 31km
 5.2mb (39 obs.) 5.7Msz (61 obs.)
 SAMOA ISLANDS REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 46S, **C
 Centroid Location:
 Origin Time: 07:38:23.8 0.2
 Lat 16.96S 0.02 Lon 172.21W 0.02
 Dep 15.0 FIX Half-duration 1.7

Principal Axes:
Scale 10**17 Nm
T Vol= 5.13 Plg=63 Azm=292
N 0 50 8 186
P -5 63 26 92
Best Double Couple: Mo=5.4*10**17
NP1: Strike=165 Dip=21 Slip= 67
NP2: 9 71 98

20 13 26 04.64 27 374N 139 990E 465km
5.4mb (120 obs.)
BONIN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 23S, 34C
Centroid Location:
Origin Time 13:26: 4.3 0.5
Lat 27 12N 0 05 Lon 140 36E 0 04
Dep 454 3 3 1 Half-duration 1 2
Principal Axes:
Scale 10**16 Nm
T Vol= 11.60 Plg= 8 Azm= 75
N -0.27 33 170
P -11.33 56 333
Best Double Couple: Mo=1.1*10**17
NP1: Strike=133 Dip=47 Slip=-138
NP2: 11 61 -52

21 13 03 10 93 35 97 S 97.98 W 10km
5.0mb (15 obs.) 5.1msz (23 obs.)
WEST CHILE RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 40S, 86C
Centroid Location
Origin Time 13:03:14.2 0.2
Lat 36.51S 0 02 Lon 97.42W 0 02
Dep 15 0 Fix Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Vol= 3 61 Plg= 0 Azm=226
N -0.13 90 180
P -3 49 0 136
Best Double Couple: Mo=3.5*10**17
NP1 Strike=271 Dip=90 Slip=-180
NP2: 1 90 0

21 22 06 29 75 13.349N 90.771W 10km
5.1mb (48 obs.) 5.4msz (31 obs.)
NEAR COAST OF GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 42S, 78C
Centroid Location:
Origin Time 22:06:34.6 0.2
Lat 13.06N 0.03 Lon 91.47W 0.03
Dep 15.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Vol= 2.89 Plg=64 Azm= 33
N 0.40 3 296
P -3.29 26 205
Best Double Couple: Mo=3.1*10**17
NP1: Strike=288 Dip=19 Slip= 81
NP2: 117 71 93

22 04 57 07.05 6.470N 71.210W 20km
6.1mb (137 obs.) 5.9msz (71 obs.)
NORTHERN COLOMBIA
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=330 Dip=37 Slip=-110
NP2: 175 56 -76
Principal Axes:
T Plg= 9 Azm=254
P 75 127
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
RADIATED ENERGY
No. of sta: 21 Focal mech. M
Energy 2.1±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 29
Principal Axes:
Scale 10**18 Nm
T Vol= 1.13 Plg= 2 Azm=280
N 0.67 18 10
P -1.80 72 183
Best Double Couple Mo=1.5*10**18
NP1: Strike=352 Dip=46 Slip=-115

NP2: 206 50 -66
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 51S, **C M.W.: 26S, 37C
Centroid Location:
Origin Time 04:57:14.8 0.2
Lat 6.57N 0.02 Lon 71 12W 0.02
Dep 24.1 0.6 Half-duration 2 7
Principal Axes:
Scale 10**18 Nm
T Vol= 1.39 Plg= 6 Azm=292
N -0.13 1 23
P -1.25 84 124
Best Double Couple: Mo=1.3*10**18
NP1: Strike= 21 Dip=39 Slip= -92
NP2: 204 51 -88

22 06 16 09.49 54.439S 119 333W 10km
5.6mb (28 obs.) 6.0msz (34 obs.)
SOUTHERN EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 50S, **C
Centroid Location:
Origin Time 06:16:17.2 0.1
Lat 54.72S 0.02 Lon 119.28W 0.03
Dep 15.0 Fix Half-duration 2.6
Principal Axes:
Scale 10**18 Nm
T Vol= 1 31 Plg= 9 Azm=328
N 0 01 70 212
P -1 32 17 60
Best Double Couple Mo=1.3*10**18
NP1: Strike=103 Dip=71 Slip= -6
NP2: 195 84 -161

22 12 15 36.15 21.760N 144.261E 127km
5.6mb (108 obs.)
MARIANA ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=140 Dip=88 Slip= -90
NP2: 320 2 -90
Principal Axes:
T Plg=43 Azm=230
P 47 50
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 4 Focal mech. M
Energy 1.3±0.1*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 105 No. of sta: 7
Principal Axes:
Scale 10**17 Nm
T Vol= 3 66 Plg=34 Azm=258
N 1 21 21 153
P -4.87 49 37
Best Double Couple Mo=4.3*10**17
NP1: Strike= 40 Dip=23 Slip= -21
NP2: 150 82 -111
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 48S, **C
Centroid Location:
Origin Time 12:15:37.0 0.1
Lat 21.83N 0.01 Lon 144.46E 0.01
Dep 106.8 1.2 Half-duration 1 8
Principal Axes:
Scale 10**17 Nm
T Vol= 4.37 Plg=33 Azm=215
N 0.35 15 315
P -4.72 53 66
Best Double Couple: Mo=4.6*10**17
NP1: Strike=263 Dip=19 Slip=-144
NP2: 138 79 -75

23 11 50 06.79 36.437N 70.416E 272km
5.2mb (136 obs.)
HINDU KUSH REGION, AFGHANISTAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 43C
Centroid Location:
Origin Time 11:50:10.0 0.3
Lat 36.51N 0.06 Lon 70.81E 0.04
Dep 278.6 2 2 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Vol= 3 73 Plg=14 Azm=305
N 0.13 42 48

P -3.87 45 201
Best Double Couple: Mo=3.8*10**17
NP1: Strike=354 Dip=48 Slip=-154
NP2: 246 71 -45

23 16 38 36.86 18.341S 178.104W 631km
5.4mb (41 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 38S, 63C
Centroid Location:
Origin Time 16:38:42.1 0.2
Lat 18.25S 0.02 Lon 178.12W 0.02
Dep 648.7 1.8 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Vol= 3.27 Plg= 5 Azm=336
N 0 00 54 73
P -3 27 35 242
Best Double Couple: Mo=3.3*10**17
NP1: Strike= 25 Dip=62 Slip=-157
NP2: 284 70 -30

24 02 01 56.78 5.070N 127.714E 116km
5.7mb (94 obs.)
PHILIPPINE ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=180 Dip=60 Slip= 90
NP2: 360 30 90
Principal Axes:
T Plg=75 Azm= 90
P 15 270
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 5 Focal mech. F
Energy 6.7±0.6*10**11 Nm
MOMENT TENSOR SOLUTION
Dep 106 No. of sta: 20
Principal Axes:
Scale 10**17 Nm
T Vol= 5 37 Plg=66 Azm= 61
N 1 25 11 176
P -6 62 21 270
Best Double Couple Mo=6.0*10**17
NP1: Strike= 19 Dip=25 Slip= 116
NP2: 171 67 78
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 48S, 97C
Centroid Location:
Origin Time 02:02: 1.9 0.2
Lat 5 10N 0.02 Lon 127.48E 0.02
Dep 129.7 1.0 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Vol= 5.32 Plg=66 Azm= 90
N 0.20 1 181
P -5.53 24 271
Best Double Couple: Mo=5.4*10**17
NP1: Strike= 3 Dip=21 Slip= 92
NP2: 181 69 89

24 10 26 56.60 51.509N 176.879W 33km
5.2mb (60 obs.) 4.4msz (28 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 23C
Centroid Location:
Origin Time 10:26:59.6 0.6
Lat 51.76N 0.07 Lon 176.50W 0.14
Dep 28.3 5.4 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Vol= 5.50 Plg=65 Azm=313
N 0.77 4 52
P -6.27 25 144
Best Double Couple: Mo=5.9*10**16
NP1: Strike=243 Dip=21 Slip= 102
NP2: 51 70 86

24 20 24 50.10 13.060S 167 056E 194km
5.8mb (81 obs.)
VANUATU ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1: Strike=175 Dip=51 Slip= 90
NP2: 355 39 90
Principal Axes:

T Plg=84 Azm= 85
P 6 265
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 20 Focal mech. F
Energy 1.7±0.2*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 212 No. of sta 35
Principal Axes
Scale 10**18 Nm
T Val= 1.29 Plg=74 Azm=206
N 0.01 15 5
P -1.31 5 97
Best Double Couple: Mo=1.3*10**18
NP1: Strike=202 Dip=42 Slip= 112
NP2: 353 52 71
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 54S, **C
Centroid Location:
Origin Time 20.24:57.7 0.1
Lat 13.07S 0.01 Lon 167.05E 0.01
Dep 209.5 0.6 Half-duration 2.4
Principal Axes:
Scale 10**18 Nm
T Val= 1.09 Plg=69 Azm=184
N 0.16 20 348
P -1.25 6 80
Best Double Couple: Mo=1.2*10**18
NP1: Strike=191 Dip=43 Slip= 121
NP2: 332 54 64

25 05 37 46 39 16.832S 167.730E 33km
5.1mb (8 obs.) 4.6Msz (6 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 33C
Centroid Location:
Origin Time 05:37:49.1 0.7
Lat 17.09S 0.10 Lon 167.77E 0.09
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 9.09 Plg=78 Azm=132
N 0.46 7 4
P -9.55 9 273
Best Double Couple: Mo=9.3*10**16
NP1: Strike=354 Dip=36 Slip= 78
NP2: 189 55 99

25 15 05 19.65 17.844S 13.431W 10km
5.2mb (40 obs.) 4.7Msz (24 obs.)
SOUTHERN MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 42C
Centroid Location:
Origin Time 15:05:30.2 0.9
Lat 17.75S 0.08 Lon 13.72W 0.05
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 10.59 Plg= 0 Azm=215
N -1.42 90 180
P -9.17 0 125
Best Double Couple: Mo=9.9*10**16
NP1: Strike=260 Dip=90 Slip=-180
NP2: 350 90 0

27 10 57 28.68 3.544S 140.190E 33km
5.1mb (22 obs.) 5.2Msz (13 obs.)
IRIAN JAYA, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 40C
Centroid Location:
Origin Time 10:57:30.0 0.4
Lat 3.72S 0.04 Lon 140.72E 0.05

Dep 34.9 4.0 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.55 Plg=76 Azm= 85
N 0.64 11 309
P -7.19 10 217
Best Double Couple: Mo=6.9*10**16
NP1: Strike=294 Dip=37 Slip= 72
NP2: 136 56 103

27 11 44 09.59 59.491N 144.777W 10km
5.0mb (64 obs.) 4.5Msz (16 obs.)
GULF OF ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 29S, 41C
Centroid Location:
Origin Time 11:44:12.9 0.6
Lat 59.56N 0.09 Lon 144.50W 0.16
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 4.64 Plg=11 Azm=334
N 0.38 16 67
P -5.01 71 210
Best Double Couple: Mo=4.8*10**16
NP1: Strike= 45 Dip=37 Slip=-117
NP2: 257 58 -72

27 19 44 49.75 34.442N 141.591E 25km
5.3mb (102 obs.) 5.0Msz (32 obs.)
OFF EAST COAST OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 37S, 70C
Centroid Location:
Origin Time 19.44:53.8 0.4
Lat 34.63N 0.05 Lon 141.60E 0.03
Dep 21.1 1.8 Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.49 Plg=13 Azm=265
N 0.02 6 356
P -1.51 76 109
Best Double Couple: Mo=1.5*10**17
NP1: Strike=348 Dip=33 Slip=-100
NP2: 180 58 -83

28 05 51 10.73 10.198N 104.102W 21km
5.0mb (28 obs.) 4.7Msz (19 obs.)
OFF COAST OF MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 33C
Centroid Location:
Origin Time 05:51:11.0 0.9
Lat 10.07N 0.08 Lon 104.31W 0.05
Dep 15.0 FIX Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.37 Plg= 2 Azm=123
N -0.15 83 17
P -1.22 6 213
Best Double Couple: Mo=1.3*10**17
NP1: Strike=258 Dip=84 Slip= -3
NP2: 348 87 -174

28 07 05 48.34 10.903S 162.315E 33km
5.3mb (49 obs.) 5.3Msz (40 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 43S, 76C
Centroid Location:
Origin Time 07:05:51.0 0.2
Lat 10.77S 0.02 Lon 162.36E 0.02
Dep 35.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.22 Plg=57 Azm=327
N -0.43 22 96
P -2.79 23 196
Best Double Couple: Mo=3.0*10**17

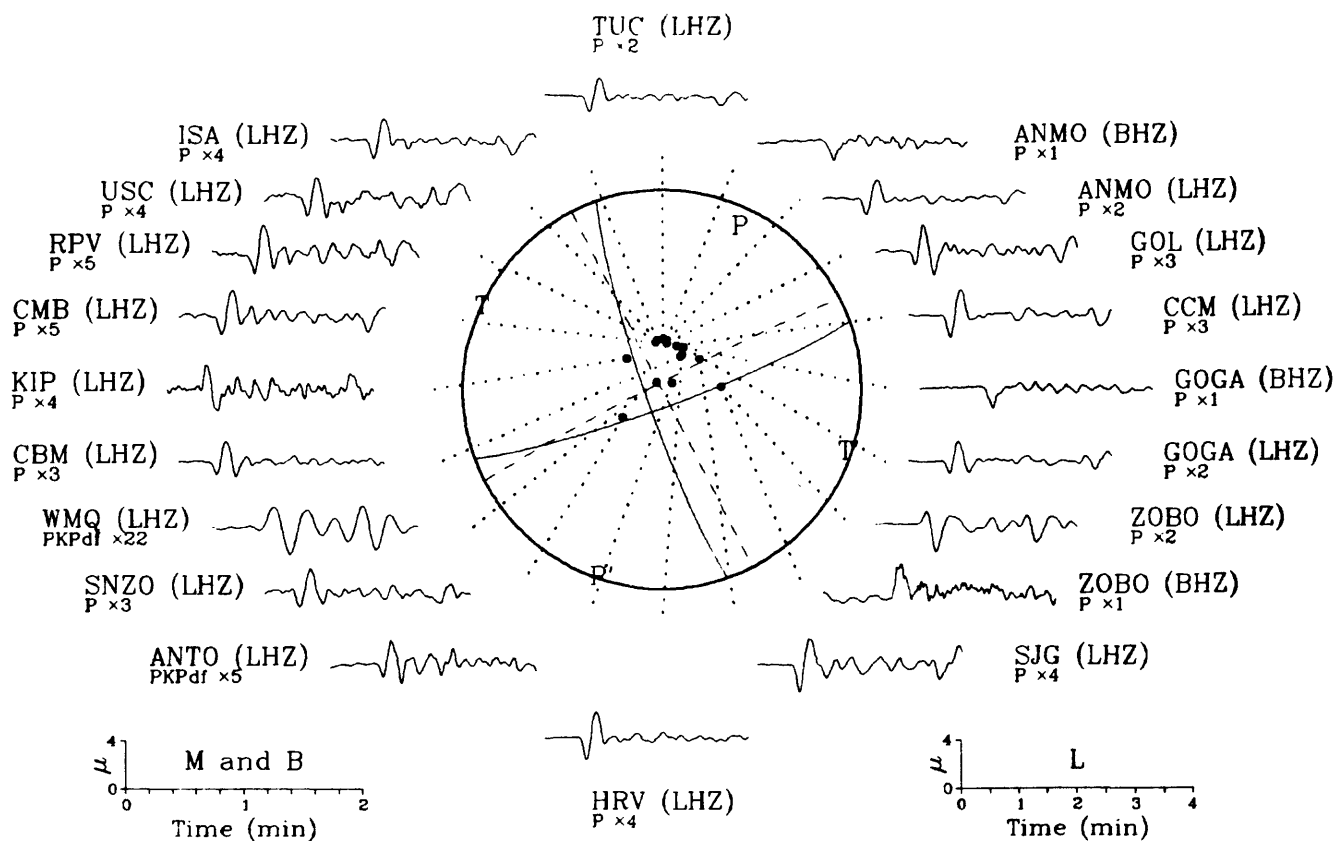
NP1 Strike=322 Dip=30 Slip= 140
NP2: 88 71 66

28 18 07 48.26 5.573S 154.132E 26km
5.6mb (85 obs.) 5.9Msz (48 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION, P-Waves
NP1: Strike=130 Dip=55 Slip= 90
NP2: 310 35 90
Principal Axes:
T Plg=80 Azm= 40
P 10 220
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 17 Focal mech. F
Energy 3.4±0.7*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 49 No. of sta: 31
Principal Axes:
Scale 10**18 Nm
T Val= 2.48 Plg=77 Azm=150
N 0.21 12 300
P -2.69 6 32
Best Double Couple: Mo=2.6*10**18
NP1: Strike=135 Dip=40 Slip= 108
NP2: 291 53 75
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 56S, **C
Centroid Location:
Origin Time 18.07:55.5 0.1
Lat 5.75S 0.01 Lon 154.00E 0.01
Dep 54.6 0.9 Half-duration 2.8
Principal Axes:
Scale 10**18 Nm
T Val= 1.69 Plg=84 Azm=323
N -0.01 6 144
P -1.68 0 54
Best Double Couple: Mo=1.7*10**18
NP1: Strike=138 Dip=45 Slip= 82
NP2: 329 45 98

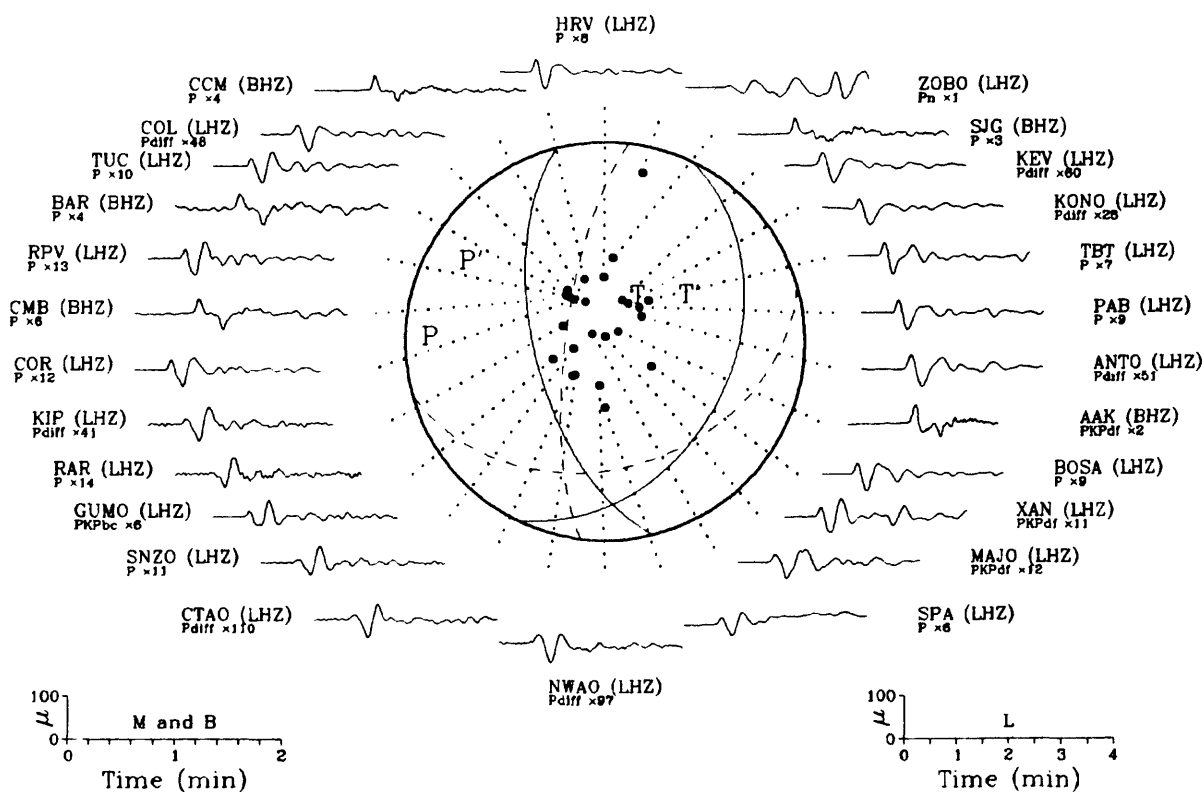
30 01 02 08.52 8.562N 102.687W 10km
5.0mb (11 obs.) 4.6Msz (4 obs.)
OFF COAST OF MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 27S, 38C
Centroid Location:
Origin Time 01:02: 6.6 0.7
Lat 8.27N 0.06 Lon 102.88W 0.05
Dep 15.0 FIX Half-duration 1.1
Principal Axes:
Scale 10**17 Nm
T Val= 1.08 Plg=13 Azm=222
N 0.04 71 89
P -1.12 13 315
Best Double Couple: Mo=1.1*10**17
NP1: Strike=359 Dip=71 Slip= 0
NP2: 269 90 161

31 09 13 34.73 20.185S 174.006W 33km
5.1mb (30 obs.) 4.9Msz (11 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 32C
Centroid Location:
Origin Time 09:13:40.5 0.8
Lat 20.33S 0.08 Lon 173.43W 0.07
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.12 Plg=65 Azm=351
N 1.48 20 211
P -8.60 15 116
Best Double Couple: Mo=7.9*10**16
NP1: Strike=180 Dip=35 Slip= 54
NP2: 42 63 112

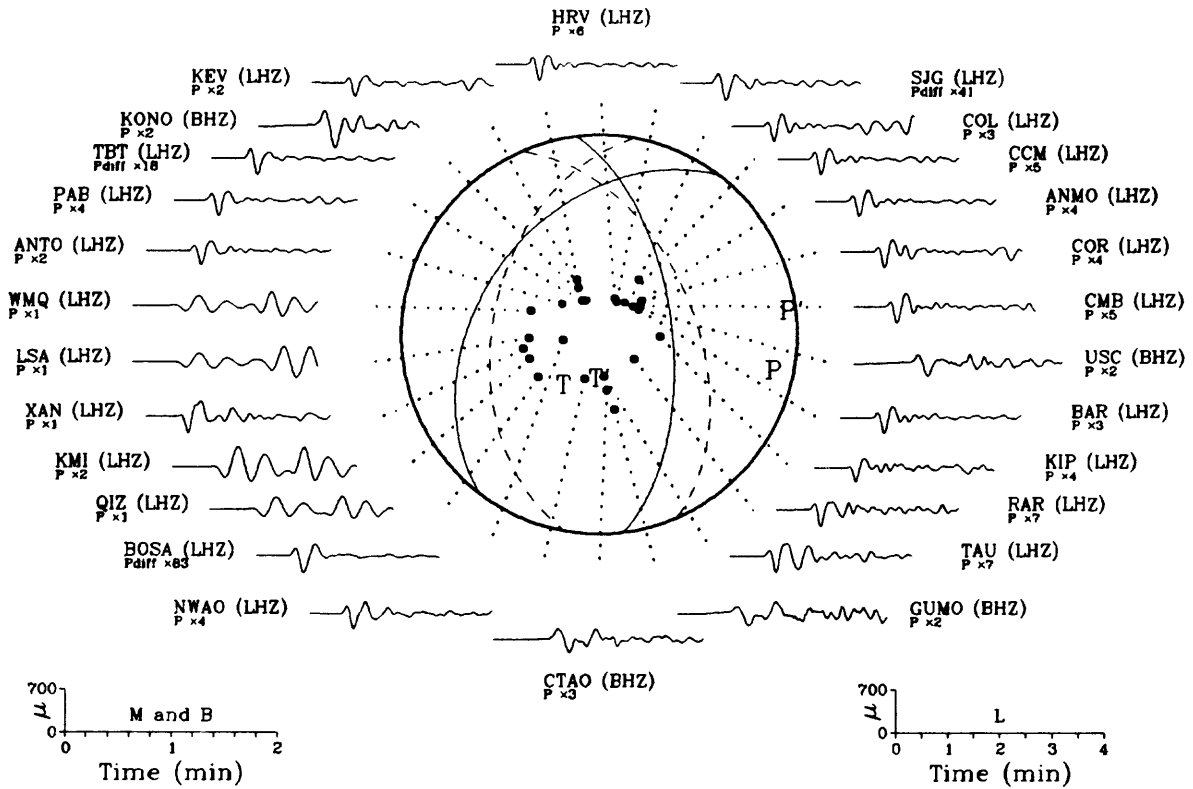
06 July 1993 02:53:03.78
Easter Island Region



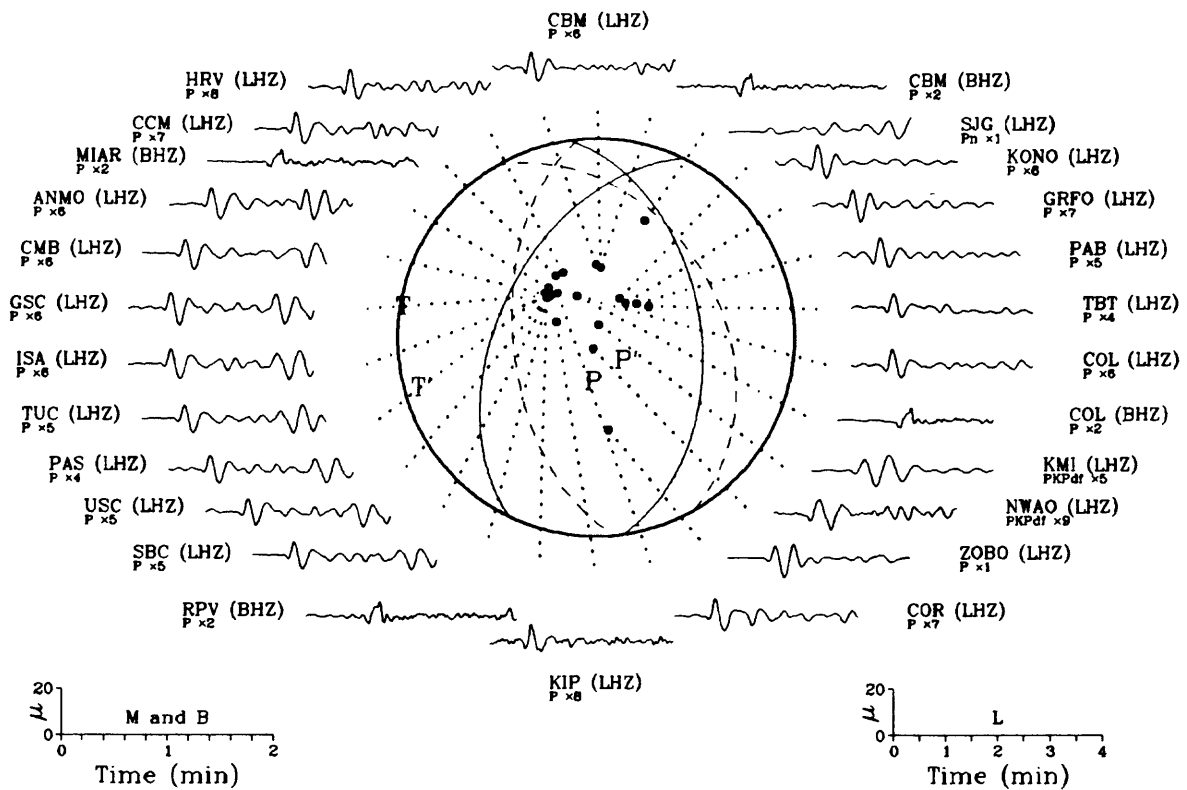
11 July 1993 13:36:21.24
Near Coast of Northern Chile



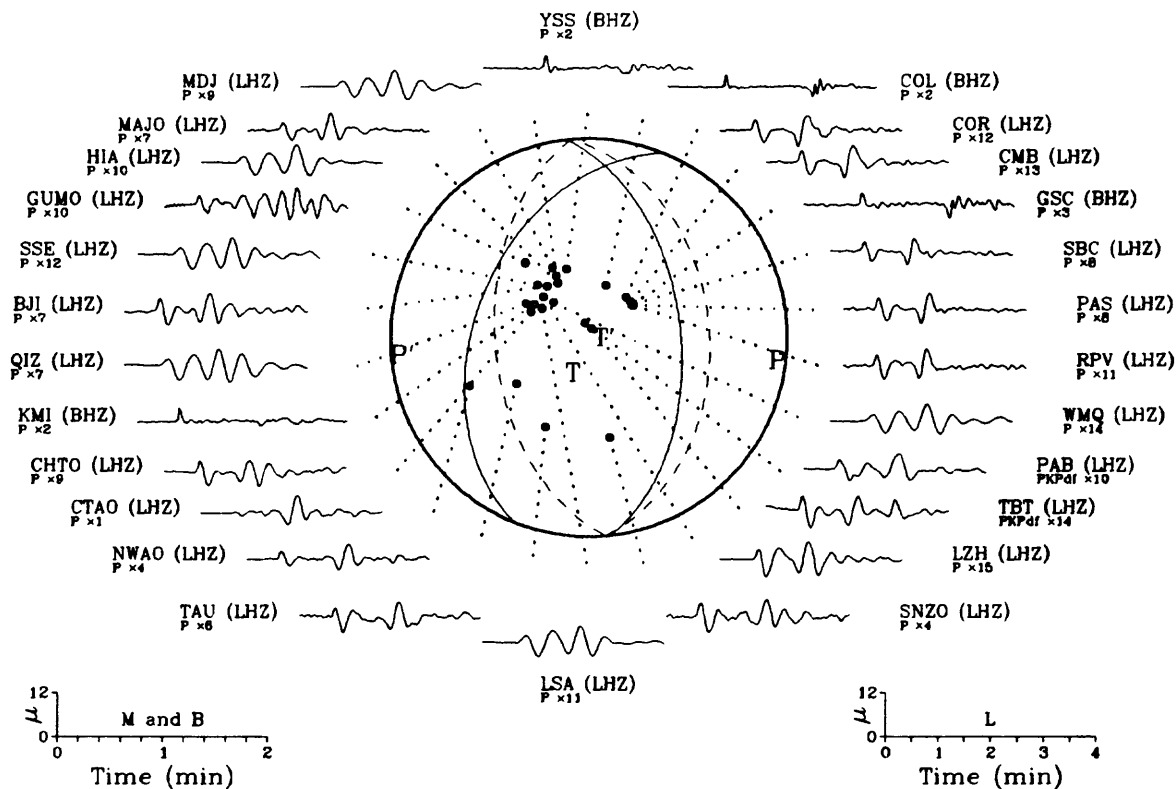
12 July 1993 13:17:11.96
Hokkaido, Japan Region



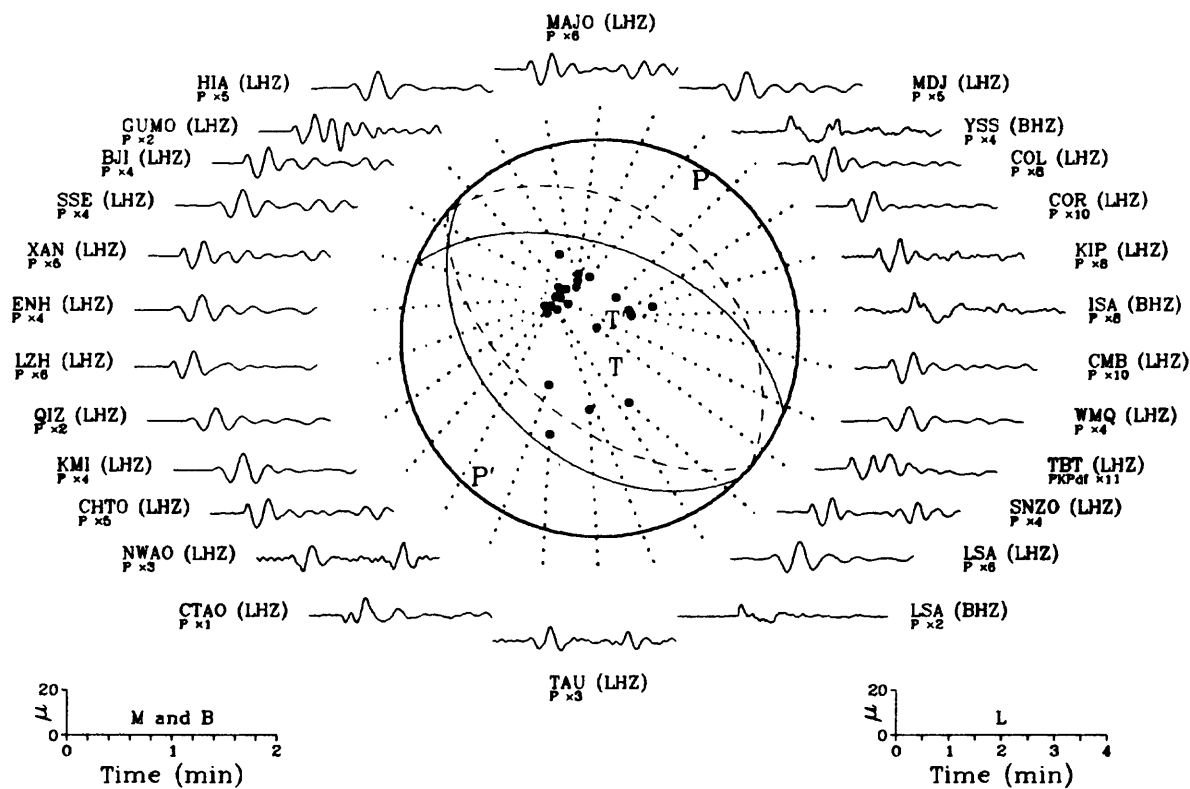
22 July 1993 04:57:07.05
Northern Colombia



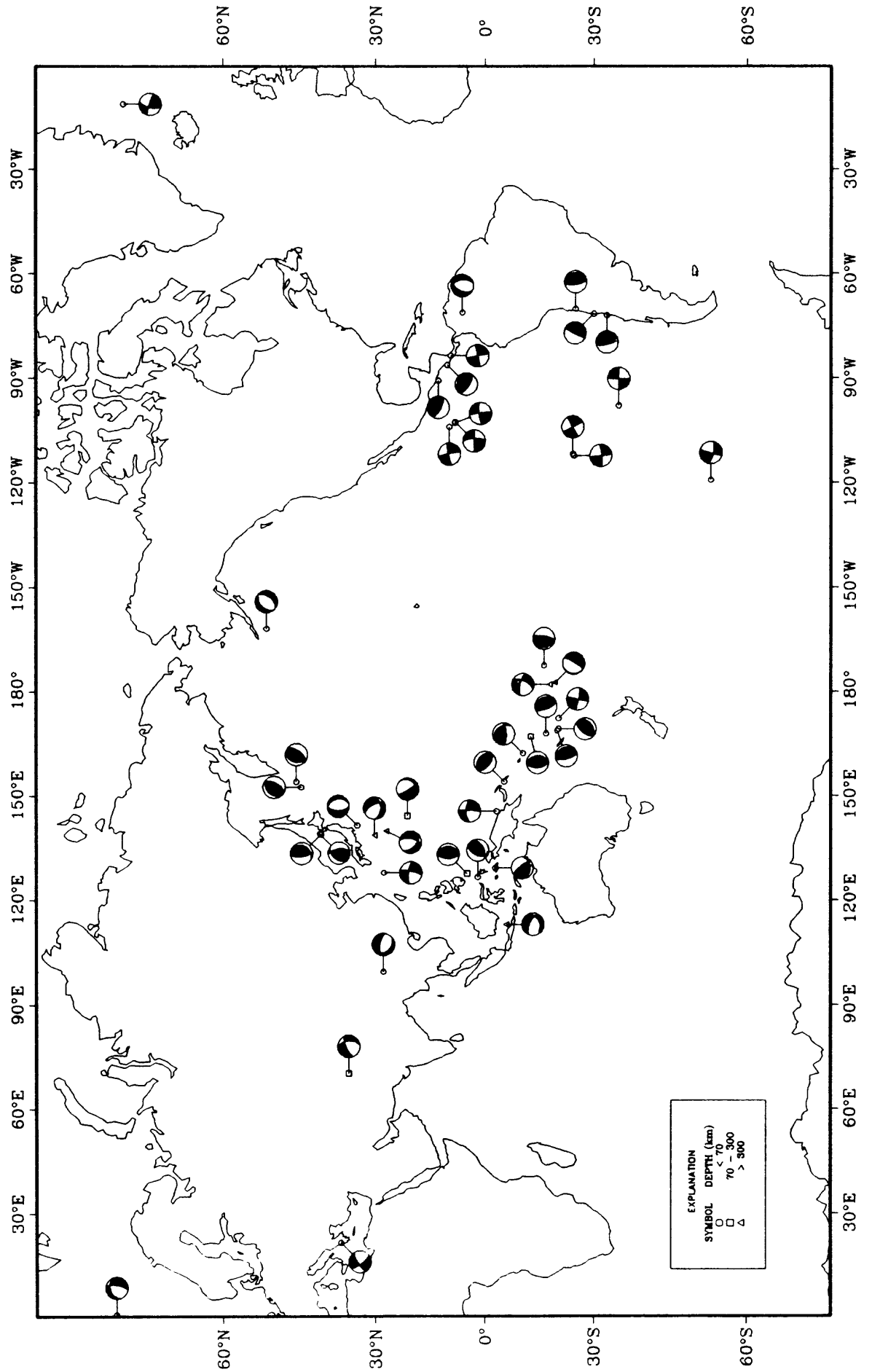
24 July 1993 20:24:50.10
Vanuatu Islands



28 July 1993 18:07:48.26
Solomon Islands



Earthquake Focal Mechanisms for July 1993



EXPLANATION OF ABBREVIATIONS AND SYMBOLS APPEARING IN THIS PUBLICATION

Abbreviations in Heading

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

Symbols and Abbreviations Used in Comments

- AEIC Alaska Earthquake Information Center (U.S. Geological Survey and University of Alaska), College.
 APT University of Connecticut
 BGS British Geological Survey, Edinburgh, United Kingdom.
 BLA Virginia Polytechnic Institute and State University, Blacksburg.
 BOU University of Colorado, Boulder
 BRK University of California, Berkeley.
 BUT Montana Bureau of Mines and Geology, Butte.
 DOE U.S. Department of Energy (formerly AEC and ERDA).
 EXPLD Same or all parameters of explosion (controlled or accidental) supplied by any group or individual other than DOE or its predecessor organizations.
 GLD U.S. Geological Survey, Golden Colorado (other than NEIS).
 GM U.S. Geological Survey, Menlo Park, California.
 GS U.S. Geological Survey, National Earthquake Information Service (NEIS), Golden, Colorado.
 HDC Observatorio Volcanológico y Sismológico de Costa Rica, Universidad Nacional, Heredia, Costa Rica.
 HRV Harvard University, Cambridge, Massachusetts.
 HVO Hawaiian Volcano Observatory.
 JMA Japan Meteorological Agency, Tokyo (also used to indicate 7-point Japanese Intensity Scale).
 LAK Kansas Geological Survey, University of Kansas, Lawrence
 LDG Laboratoire de Detection et de Geophysique, Bruyeres-le-Chatel, France
 MACRO Hypocenter based upon macroseismic information.
 MD Duration magnitude (shown as DUR prior to 1986).
 MDD Instituto Geografico Nacional, Madrid, Spain.
 MG Contributed local or regional magnitude of unspecified type (see "Contributed Magnitudes" below).
 MW Moment Magnitude.
 OTT Geological Survey of Canada, Earth Physics Branch, Ottawa.
 PAL Columbia University, Lamont-Doherty Geological Observatory, Palisades, New York.
 PAR Institute de Physique du Globe, Universite Pierre et Marie Curie, Paris, France.
 PAS California Institute of Technology, Pasadena
 PGC Pacific Geoscience Centre, Sidney, British Columbia, Canada
 PMR Alaska Tsunami Warning Center, Palmer, Alaska.
 PPT Laboratoire de Geophysique, Papeete, French Polynesia.
 REN University of Nevada, Reno.
 RF Rossi-Forel Intensity Scale.
 SEA University of Washington, Seattle.
 SLC University of Utah, Salt Lake City.
 SLM St. Louis University, Missouri.
 SPEC An NEIS solution based on use of dense local networks, a local crustal model, or other methods not routinely applied in calculating the hypocenter parameters.
 TEIC Center for Earthquake Research and Information, Memphis, Tennessee.
 TUL Oklahoma Geological Survey, Leonard.
 UVC Universidad del Valle, Cali, Colombia.
 WES Weston Observatory, Massachusetts.
 Roman Used to indicate intensity (when not followed by RF or JMA they refer to the Modified Mercalli Scale or any Numerals 12-point intensity scale closely related to it).
 ° " Geographic degrees, minutes, seconds.
 -P Supplied hypocenter is a preliminary computation.

Any additional 3 to 5 letter codes enclosed in parentheses or angle brackets refer to individual station codes. These codes may be found in Geological Survey Open File Report 85-714, Seismograph Station Codes and Coordinates (1985). Addenda to OF 85-714 are printed at the end of the Earthquake Data Report for this month.

Symbols Following Depth

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

Symbols Following Origin Time

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

APPROXIMATE CORRELATION OF GRADES FOR INTENSITY SCALES
REPORTED IN PRELIMINARY DETERMINATION OF EPICENTERS

U.S.A. Modified Mercalli (M.M.), 1931	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
Japanese (JMA), 1950	0	I	II	II-III	III	IV	IV-V	V	V-VI	VI	VII	VII
Rossi-Forel (RF), 1873	I	I-II	III	IV-V	V-VI	VI-VII	VIII-IX	VIII+ -IX	IX+	X	X	X
European (Mercalli-Cancani-Sieberg), 1917	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII

TRAVEL-TIME TABLES

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

MACROSEISMIC INFORMATION

Macroseismic information is compiled from various sources, including newspaper articles, Foreign Broadcast Information Service messages, U.S. Geological Survey Earthquake Reports and seismological station reports. Macroseismic information for southwestern France is contributed by Dr. Pierre Stahl, Pau. Sources of information for particular events can be supplied on request from: U.S. Geological Survey, National Earthquake Information Center, Stop 967, Box 25046, Denver Federal Center, Denver, CO 80225, U.S.A.

GEOGRAPHIC REGIONS

The regions shown in the comments column are from the seismic and geographical regionalization of Flinn, Engdahl and Hill (1974), with occasional name changes which have been given in various issues of the Monthly Listing. The boundaries of these regions are defined at one degree intervals and differ slightly from irregular political boundaries.

DEPTHS FROM BROADBAND DISPLACEMENT SEISMOGRAMS

The NEIS routinely interprets broadband data from the GDSN and RSTN using methods described by Harvey and Chay (1982) and by Chay and Baatwright (1981) for events with $M_B \geq 5.8$. The notation that a depth is obtained from broadband seismograms indicates that a depth was obtained by inversion of differential travel times of depth phases that are clearly identifiable at several stations using broadband records that are flat to displacement between approximately 0.01 and 5.0 Hz.

Chay, G. L. and Engdahl, E. R., 1987, Analysis of broadband seismograms from selected IASPEI events: Physics of the Earth and Planetary Interiors, v. 47, p. 80-92.

Harvey, D. and Chay, G. L., 1982, Broadband deconvolution of GDSN data: Geophysical Journal of the Royal Astronomical Society, v. 69, p. 659-668.

FAULT PLANE SOLUTIONS

A fault plane solution is determined when possible for any earthquake having a magnitude ≥ 5.8 , using first motions from P, PKP, pP and pPKP waves. A description of the solution is reported in the Additional Focal Parameters section of the Preliminary Determination of Epicenters Monthly Listing. First motion data used to compute the solution are available upon request from the National Earthquake Information Center at the address given above.

FOCAL MECHANISM MAPS

Best double couple focal mechanisms are plotted as lower-hemisphere, equal-area projections for earthquakes having a seismic moment greater than 1×10^{17} Nm. The shaded quadrants represent compressional first motions. For each event, the mechanism shown is selected from either the Fault Plane Solution, Moment Tensor Solution or Centroidal Moment Tensor Solution. All these solutions are given in the Additional Source Parameters section of the Monthly Listing.

NEIS MAGNITUDES

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

Mw These moment magnitudes are computed from the scalar moment of the moment tensor using the Kanamori (1977) formula:

$$M_w = (2/3) \log M_0 - 10.7$$

where M_0 is the scalar moment of the best double couple in dyne-cm. Beginning with January, 1993, a moment magnitude is computed routinely from the USGS moment tensor and Harvard centroid moment tensor solutions.

Ms These surface wave magnitudes are computed from the IASPEI formula:

$$M_s = \log(A/T) + 1.66 \log D + 3.3$$

where

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

T is the period in seconds.

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

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

If the uncertainty of the computed depth is considered great enough that the depth could be less than 50 km, an M_s value may still be published, computed by the IASPEI formula and not corrected for depth.

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

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

$$M_B = \log(A/T) + Q(D, h)$$

defined by Gutenberg and Richter (1956) except that T, the period in seconds, is restricted to $0.1 \leq T \leq 3.0$ and A, the ground amplitude in micrometers, is not necessarily the maximum in the P group. Q is a function of distance (D) and depth (h) where $D \geq 50^\circ$.

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

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

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

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

ML These local magnitudes are computed according to the formula:

$$M_L = \log A - \log A_0$$

defined by Richter (1935) where A is the maximum trace amplitude in micrometers recorded on a standard short-period torsion seismometer and $\log A_0$ is a standard value as a function of distance where distance ≤ 600 km.

CONTRIBUTED MAGNITUDES

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

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

REFERENCES

- Gutenberg, B., and Richter, C. F., 1956, Magnitude and energy of earthquakes: *Annali di Geofisica*, v. 9, no. 1, p. 1-15.
- Kanamori, H., 1977, The energy release in great earthquakes: *Journal of Geophysical Research*, v. 82, pp. 2981-2987.
- Nuttli, O. W., 1973, Seismic wave attenuation and magnitude relations for eastern North America: *Journal of Geophysical Research*, v. 78, no. 5, p. 876-885.
- Richter, C. F., 1935, An instrumental earthquake scale: *Bulletin of the Seismological Society of America*, v. 25, p. 1-32.

WAVEFORM PLOTS

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

Each waveform will be identified by station code, data type, phase name and scale factor. The data type will be identified by a code conforming with the channel-naming conventions adopted for the Standard for the Exchange of Earthquake Data (SEED) by the Federation of Digital Seismograph Networks. Long period channels, designated by LH or LL (where the second letter denotes a high-gain channel, H, or a low-gain channel, L) will display approximately one-half minute of noise followed by three minutes of signal. Time and amplitude are referenced to a set of axes labeled L and shown at the bottom of each plot. The scale factor is an integer from which absolute amplitude, in micrometers of ground displacement at the dominant period of the pass-band (25 sec), may be determined. Absolute amplitude may be recovered by measuring the amplitude of the seismogram relative to the amplitude axis and dividing it by the scale factor. Note that long period channels with pass-bands which extend well into the microseism noise peak will be processed for presentation using a four-pole Butterworth low-pass filter with a corner at 25 sec. period. Other data types are indicated by BH or BL (broad-band), MH or ML (mid-band), SH or SL (short period), or EH or EL (extremely short period). As these types of data have different pass-bands than long period data, different time and amplitude scales will generally be needed. These scales will be labeled M and B for broad-band and mid-band and S and E for short and extremely short period and will be shown at the bottom of each plot as needed. As with the long period waveforms, the absolute amplitudes of the other data types may be recovered from the amplitude scale and the scale factor. For broad-band and mid-band data, the absolute amplitude is referenced to 10 seconds. For short and extremely short period data, the absolute amplitude is referenced to 1 second. Broad-band and mid-band data will be processed to be proportional to displacement from 0.01 Hz to at least 2 Hz. In some cases, BH channels will be synthesized by combining LH and SH data. In addition, each component will be identified by a direction indicator (ie. N, E, Z, R and T for north-south, east-west, vertical, radial, and transverse, respectively). Note that the dominant period approximation will not be valid for broad-band, mid-band or some long period data. However, the scaling will still be correct.

Waveforms will primarily be selected to display variations in the P waveform as a function of azimuth. If space permits, some PKP waveforms may be shown as well. To this end, waveforms which are clipped, non-linear, or very noisy will be rejected. Further, only one of several stations at similar distance and azimuth may be used if all show similar waveforms. Note that the importance of a record in focal parameter derivation will not be considered. Thus, many seismograms will be shown which have not been used in the USGS moment tensor solution. Conversely, records which have been important in constraining one or both solutions may have been passed over for lack of space. The data are derived from globally distributed digital stations collected by the USGS Albuquerque Seismological Laboratory from a number of cooperating networks. For details on data sources, see the National Earthquake Information Center Newsletter.

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

USGS RADIATED ENERGY

The energy radiated by an earthquake is estimated from the energy spectral density of the broadband P waves, using the method described by Boatwright and Choy (1986), where the energy flux in the P waves is integrated directly. No correction for source directivity or frequency-dependent interference of the depth phases is incorporated into these estimates of radiated energy. Data used are either direct P waves (for deep earthquakes) or the P wave group consisting of P, pP and sP (for shallow earthquakes) from GDSN and other stations that contribute digital data to the NEIC within two months of the occurrence of an event. The data are processed using the method of Harvey and Choy (1982) so that they are flat to velocity from low frequencies (generally 0.01 Hz) to at least 2.0 Hz. The effect of attenuation is corrected with the frequency-dependent Q of Choy and Cormier (1986). The focal mechanism used is either the P-wave first-motion solution (F), the USGS moment tensor solution (M) or the Harvard centroid solution (C).

Boatwright, J. and Choy, G. L., 1986, Teleseismic estimates of the energy radiated by shallow earthquakes: *Journal of Geophysical Research*, v. 91, p. 2095-2112.

Choy, G. L. and Cormier, V. F., 1986, Direct measurement of the mantle attenuation operator from broadband P and S waveforms: *Journal of Geophysical Research*, v. 91, p. 7326-7342.

Harvey, D. and Choy, G. L., 1982, Broadband deconvolution of GDSN data: *Geophysical Journal of the Royal Astronomical Society*, v. 69, p. 659-668.

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

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

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

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

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

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

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

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

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

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

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

These solutions have been determined using the long period body and mantle wave moment tensor inversion method described by Dziewanski, et al. (1981) considering corrections due to an aspherical earth structure of model SH8/U4L8 (Dziewanski and Woodward, 1991)

- 1 DATA USED: currently GDSN, GSN and IDA/IRIS data are used. The numbers following the entries L.P.B. and M.W. indicate the number of stations (S) and total number of records (C) for the long-period body waves and mantle waves, respectively. Mantle waves are routinely used in inversion for sources with moments greater than 5×10^{18} Newton-meters (Nm).
- 2 CENTROID LOCATION: hypocentral parameters obtained by adding perturbations resulting from inversion to the parameters reported in the PDE; standard errors follow the individual entries. If a given parameter is not perturbed in inversion, this is indicated by the letters FIX. If the depth is fixed to be consistent with waveform matching of reconstructed broad-band body waves (Ekstrom, 1989), this is indicated by the letters BDY. The default depth for shallow earthquakes is increased to 15 km, in order to improve the stability of solutions; it was 10 km, in 1981-1985.
- 3 PRINCIPAL AXES: rotation of the moment tensor, constrained to have zero trace, into the principal axes system. Most of the solutions are predominantly of the double couple type: the largest positive eigenvalue corresponds to the tension axis (T); the usually small, intermediate eigenvalue is associated with the null axis (N); the smallest negative eigenvalue is identified with the compression axis (P). PLG are the plunges and AZM the azimuths of the axes.
- 4 BEST DOUBLE COUPLE: If the eigenvalue (T) is σ_1 and (P) is $-\sigma_2$, then the scalar seismic moment is defined as $M_0 = 1/2(\sigma_1 + \sigma_2)$. The strike, dip and slip of the first (NP1) and second (NP2) nodal planes are calculated from the directions of the P, T, and N axes. The remainder is a linear-vector dipole; in most cases the magnitude of LVD is small. Although all such decompositions are highly non-unique, this particular one is the best in estimating the starting solution for the non-linear, constrained double couple inverse problem. The strike, dip, and slip angles are defined using the convention of Aki and Richards (1980, p. 106) and are the angles designated there as ϕ_s , δ , λ , respectively.

A. M. Dziewanski, G. Ekstrom and M. P. Saganik, Department of Earth and Planetary Sciences, Harvard University, Cambridge, MA 02138

Aki, K. and Richards, P. G., *Quantitative Seismology*, Volume 1, W. H. Freeman, San Francisco, 1980, 557 pp.

Dziewanski, A. M., Chau, T. A., and Woodhouse, J. H., 1981, Determination of earthquake source parameters from waveform data for studies of global and regional seismicity: *Journal of Geophysical Research*, v. 86, p. 2825-2852.

Dziewanski, A. M. and Woodward, R. L., 1991, Acoustic imaging at the planetary scale, in *Acoustical Imaging*, Vol. 19, E. Ermert and H.-P. Horjes, eds., Plenum Press (in press).

Ekstrom, G., 1989, A very broad band inversion method for the recovery of earthquake source parameters: *Tectonophysics*, v. 166, p. 73-100.

OTHER SEISMIC MOMENTS

1. The seismic moment (M_0) contributed by the University of California, Berkeley (BRK), is given for regional earthquakes based on Wood-Anderson torsion seismograms recorded within 300 km of the epicenter with peak-to-peak amplitudes of at least 3 mm. This seismic moment (M_0) in dyne-cm is defined by $\log M_0 = 16.74 + 1.22 \log(CD_-)$, where C is the maximum peak-to-peak amplitude in mm, D is the duration in seconds from the time of the S-wave onset to the last time that the peak-to-peak amplitude exceeds C/3, and $-$ is the epicentral distance in km. Seismic moments quoted in "Preliminary Determination of Epicenters" are converted to Newton-meters (1 Newton-meter = 10^{+7} dyne-cm).

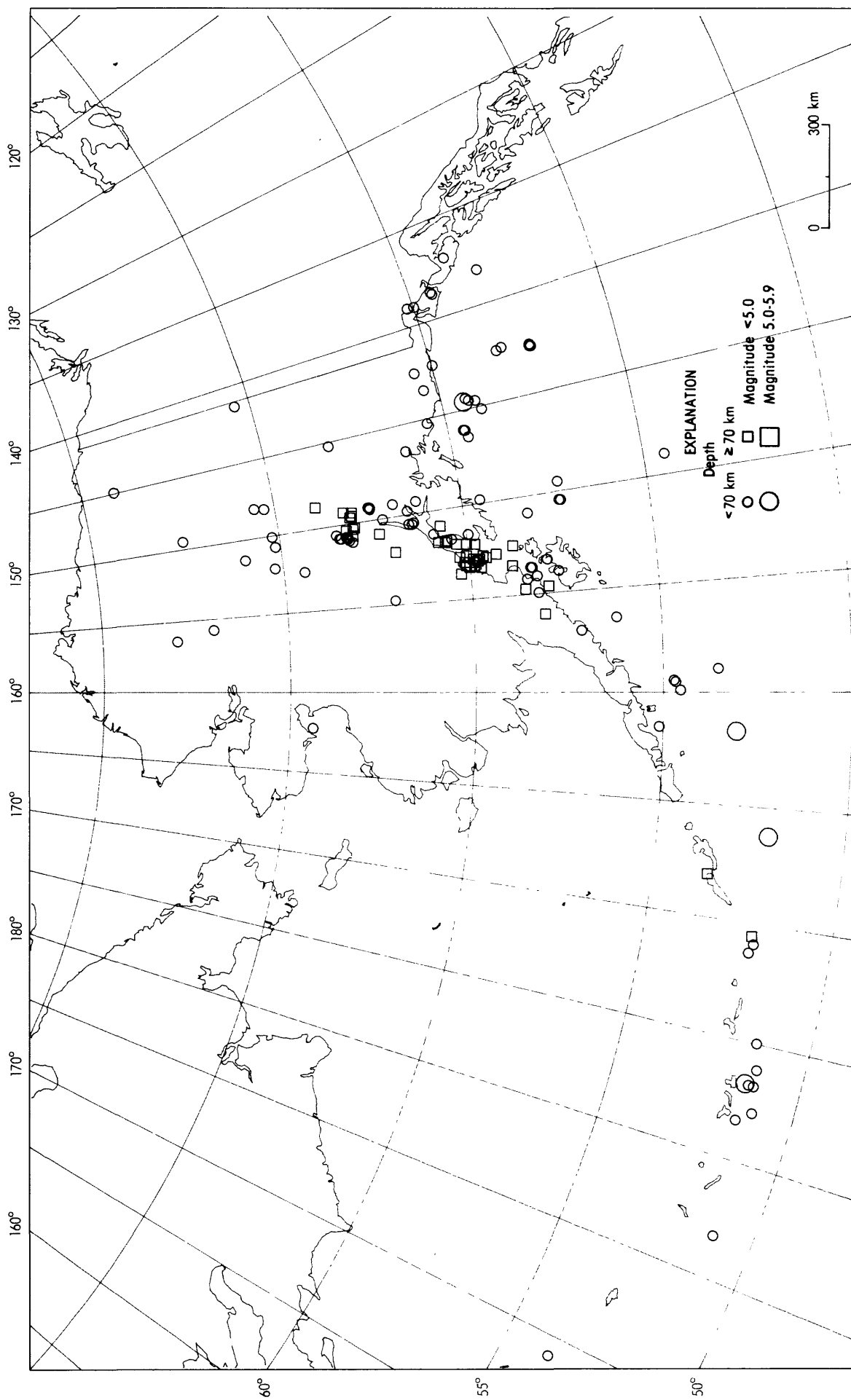
Bolt, B.A. and Herraiz, M., 1983, Simplified estimation of seismic moment from seismograms: *Bulletin of the Seismological Society of America*, v. 73, p. 735-748.

2. Beginning with November, 1988, seismic moments for selected events have been contributed by the Laboratoire de Geophysique, Papeete, French Polynesia (PPT). These moments are computed from mantle Rayleigh and Love waves using the method of Talandier, Reymond and Okal (1987 and 1990).

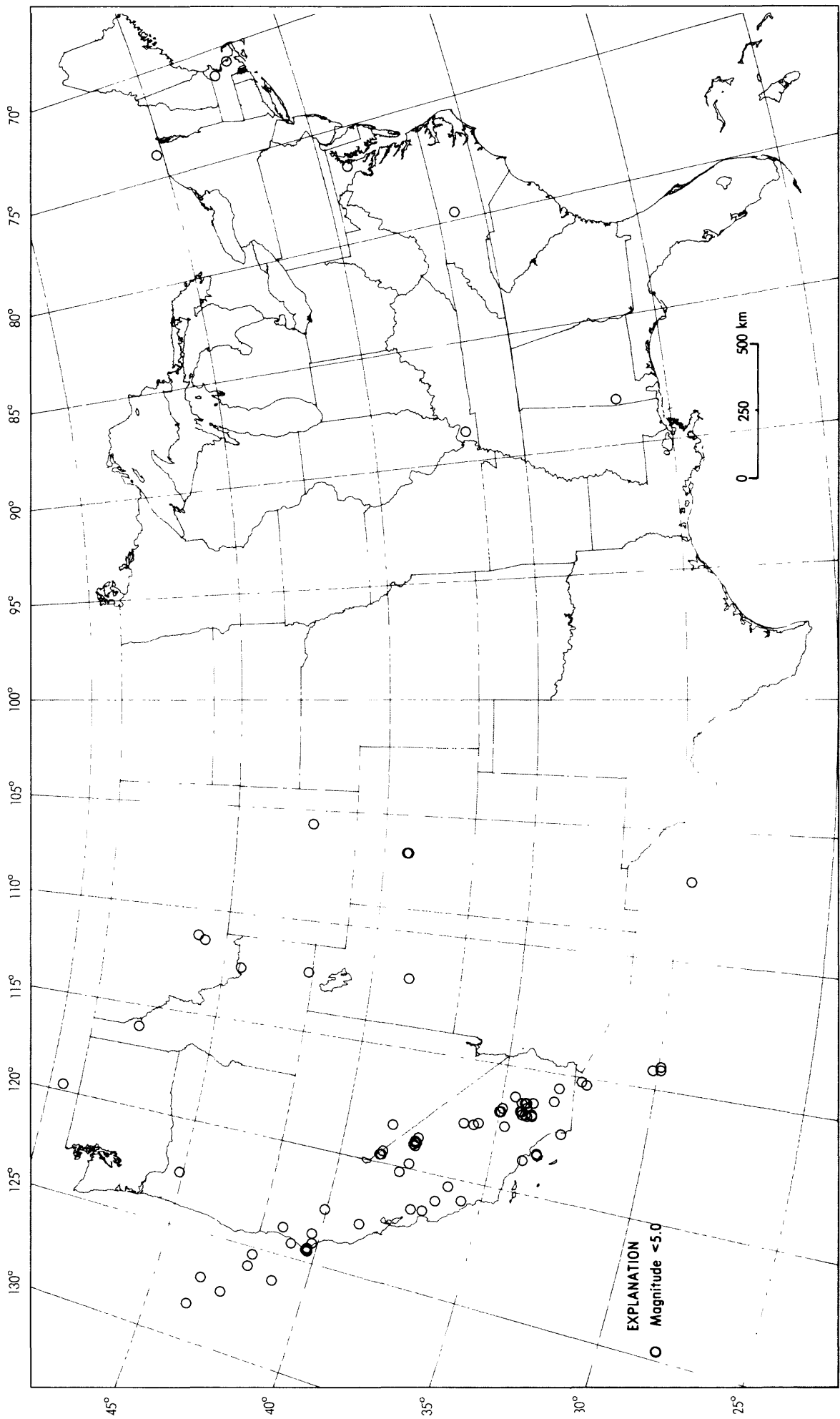
Talandier, J., Reymond, D. and Okal, E.A., 1987, Use of a variable period mantle magnitude for the rapid one-station estimation of seismic moments: *Geophysical Research Letters*, v. 14, no. 8, p. 840-843.

Okal, E.A., and Talandier, J., 1990, Mm: Extension to Love Waves of the Concept of a Variable-Period Mantle Magnitude: *Pure and Applied Geophysics*, v. 134, p. 355-384.

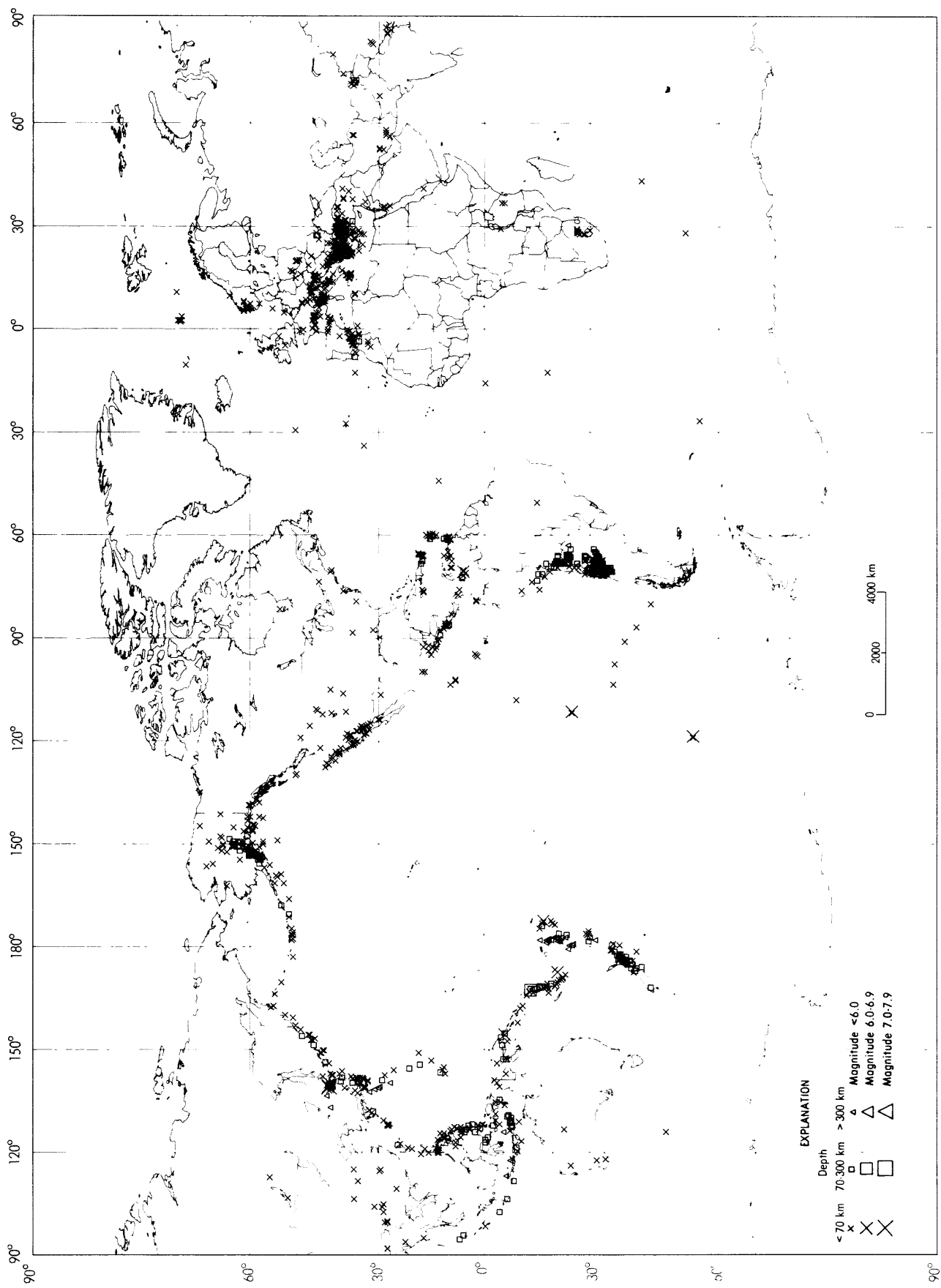




Earthquake epicenters in Alaska and adjacent regions for July, 1993.



Earthquake epicenters in the conterminous United States and adjacent regions for July, 1993.



Earthquakes located in July, 1993.

CHANGE OF ADDRESS FORM

NAME—FIRST, LAST																							
COMPANY NAME OR ADDITIONAL ADDRESS LINE																							
STREET ADDRESS																							
CITY												STATE						ZIP CODE					
PLEASE PRINT OR TYPE												(or) COUNTRY											

Mail this form to: NEW ADDRESS

Superintendent of Documents
Government Printing Office SSOM
Washington, D.C. 20402

Attach last subscription
label here.

SUBSCRIPTION ORDER FORM

SUBSCRIPTION ORDER FORM

ENTER MY SUBSCRIPTION TO:

@ \$ Domestic; @ \$ Foreign.

NAME—FIRST, LAST																							
COMPANY NAME OR ADDITIONAL ADDRESS LINE																							
STREET ADDRESS																							
CITY												STATE						ZIP CODE					
PLEASE PRINT OR TYPE												(or) COUNTRY											

☐ Remittance Enclosed (Make checks payable to Superintendent of Documents)

☐ Charge to my Deposit Account No.

MAIL ORDER FORM TO:
Superintendent of Documents
Government Printing Office
Washington, D.C. 20402



PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

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

AUGUST 1993

K E Y	DAY	ORIGIN TIME UTC HR MN SEC	GEOGRAPHIC COORDINATES LAT LONG	DEPTH	MAGNITUDES GS MB Msz	SD	NO. STA USED	REGION, CONTRIBUTED MAGNITUDES AND COMMENTS
a	01	00 20 40.5	15.385 N 31.690 E	13 D	5.2 5.1	1.1	241	SUDAN. Mw 5.5 (HRV). At least two people killed, nine injured and damage in the Khartoum area.
	01	00 21 19.8	62.852 N 150.609 W	87			32	CENTRAL ALASKA. <AEIC>.
	01	00 25 23.0*	50.851 N 6.247 E	10 G		0.4	5	GERMANY. ML 1.5 (BNS), 1.4 (UCC).
	01	01 07 38.6	17.092 N 61.725 W	69 D	4.8	0.8	67	LEEWARD ISLANDS. MD 4.6 (TRN). Felt on Antigua and St. Barthelemy.
	01	01 39 43.5	45.057 N 8.183 E	10 G		1.1	18	NORTHERN ITALY. ML 2.5 (GEN), 2.3 (LDG).
	01	01 54 05.2	40.447 N 125.261 W	8			5	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.9 (GM).
	01	02 11 17.3	56.455 N 150.815 W	10 G			52	GULF OF ALASKA. <AEIC>. ML 3.6 (AEIC), 3.4 (PMR).
	01	02 21 08.9	40.397 N 124.503 W	13			8	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM). ML 3.1 (BRK).
	.01	02 47 52.8	35.798 S 179.901 E	66 ?	5.0	0.7	12	OFF E. COAST OF N. ISLAND, N.Z.
	01	02 51 33.2	39.662 N 20.616 E	16		1.1	20	GREECE-ALBANIA BORDER REGION. ML 3.3 (TIR).
	01	02 52 16.7?	57.96 N 7.47 E	10 G		0.3	4	NORTH SEA. MD 2.6 (BER).
	01	03 18 46.6	18.218 N 63.705 W	105	4.5	1.0	44	LEEWARD ISLANDS. MD 4.7 (TRN). Felt on St. Barthelemy.
	01	03 36 45.5	39.756 N 20.595 E	14	3.0	1.2	22	GREECE-ALBANIA BORDER REGION. ML 3.4 (TIR), 3.3 (THE).
	01	03 49 34.3?	17.07 N 101.00 W	33 N		0.8	6	GUERRERO, MEXICO
	01	04 02 45.7	43.728 N 13.019 E	10 G		0.5	6	CENTRAL ITALY
	01	04 26 25.8*	39.748 N 20.438 E	33 N		0.3	9	GREECE-ALBANIA BORDER REGION
	01	04 30 20.7*	31.760 S 68.193 W	109 ?		0.3	8	SAN JUAN PROVINCE, ARGENTINA
	01	04 35 55.5	40.396 N 1.565 E	10 G		0.5	7	BALEARIC ISLANDS. mblg 3.0 (MDD).
	01	05 12 03.3	35.899 N 120.303 W	8			7	CENTRAL CALIFORNIA. <GM-P>. MD 2.5 (GM).
	01	05 14 18.8	39.826 N 20.565 E	10 G	3.6	1.2	62	GREECE-ALBANIA BORDER REGION. ML 3.8 (TIR), 3.7 (THE). MD 4.0 (ATH).
	01	05 16 57.6	39.746 N 20.625 E	5 G		1.3	12	GREECE-ALBANIA BORDER REGION. ML 3.4 (TIR). MD 3.4 (ATH).
	01	05 23 04.5	39.787 N 20.587 E	10 G		0.8	13	GREECE-ALBANIA BORDER REGION
	01	05 28 02.7	68.759 N 145.650 W	10 G	3.7		12	NORTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.4 (PMR).
	01	05 30 35.7	39.799 N 20.611 E	12		0.9	23	GREECE-ALBANIA BORDER REGION. ML 3.5 (TIR). MD 3.6 (ATH).
	01	05 43 06.0	51.349 N 15.867 E	10 G		0.8	13	POLAND. ML 3.3 (VIE), 3.3 (GRF).
	01	06 48 58.5	37.785 N 3.595 W	10 G		0.6	10	SPAIN. mblg 2.9 (MDD).
	01	08 40 57.5	40.171 N 20.286 E	14		1.1	12	GREECE-ALBANIA BORDER REGION. ML 3.0 (TIR). MD 3.1 (ATH).
	01	10 57 42.4	38.636 N 14.627 E	10 G		0.8	8	SICILY
	01	11 00 03.6?	17.18 N 100.85 W	55 ?	4.0	1.1	9	GUERRERO, MEXICO
	01	11 41 40.6	61.064 N 148.632 W	18			37	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
	01	11 43 43.2?	39.72 N 20.67 E	5 G		1.1	4	GREECE-ALBANIA BORDER REGION
	01	12 04 53.0	15.698 N 31.804 E	17 D	4.8	0.7	85	SUDAN. Felt at Omdurman.
	01	12 10 24.4*	14.770 S 166.875 E	111 *	4.6	1.0	37	VANUATU ISLANDS
	01	12 27 08.7	39.755 N 20.691 E	5 G		0.8	6	GREECE-ALBANIA BORDER REGION
	01	12 40 55.8?	12.17 N 58.58 W	5 G		0.3	8	NORTH ATLANTIC OCEAN. ML 3.9 (FDF). MD 3.7 (TRN).
	01	13 36 04.0*	31.345 S 68.639 W	100 G		0.6	7	SAN JUAN PROVINCE, ARGENTINA
	01	13 37 10.2	62.924 N 150.445 W	102	4.0		101	CENTRAL ALASKA. <AEIC>. Felt (IV) at Skwentna.
	01	14 17 00.3?	44.40 N 7.35 E	10 G		0.3	4	NORTHERN ITALY. ML 1.5 (GEN).
	01	14 19 28.9*	43.824 S 16.235 W	10 G	5.0 4.9	1.0	29	SOUTHERN MID-ATLANTIC RIDGE
	01	14 55 26.1*	43.787 N 12.334 E	10 G		0.2	5	CENTRAL ITALY
	01	15 32 56.9	14.722 N 90.977 W	237	4.3	0.7	44	GUATEMALA
	01	15 57 09.8	62.145 N 149.747 W	48			59	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
	01	16 08 22.8	60.042 N 153.444 W	150			34	SOUTHERN ALASKA. <AEIC>.
	01	17 51 08.1	59.637 N 152.302 W	88			57	SOUTHERN ALASKA. <AEIC>.
	01	18 04 06.4?	45.84 N 26.80 E	130 G		1.5	6	ROMANIA. Felt at Focsani.
	01	18 34 50.4	37.779 N 3.575 W	10 G		0.5	7	SPAIN. mblg 2.6 (MDD).
	01	18 59 08.6	40.315 N 124.471 W	8			6	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM).
a	01	19 32 28.5	17.399 N 65.717 W	25 D	5.0 4.4	1.0	174	PUERTO RICO REGION. Mw 5.3 (HRV). ML 5.2 (FDF). MD 5.2 (TRN).
	01	20 24 25.3?	9.57 N 69.30 W	5 G		1.2	4	VENEZUELA
	01	20 39 53.5	40.313 N 124.479 W	8			5	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.2 (GM).

01	20	41	20.24	40.308 N	124.486 W	8				36	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.8 (GM). ML 3.8 (BRK). Felt at Petrolia.
01	21	39	42.52	36.52 N	14.18 E	10 G			0.9	9	SICILY
01	22	07	00.2	17.353 N	65.744 W	10 G			0.5	31	PUERTO RICO REGION. ML 4.4 (FDF). MD 4.2 (TRN).
01	22	18	37.9	40.743 N	20.632 E	5 G			1.1	9	GREECE-ALBANIA BORDER REGION. MD 3.1 (ATH).
01	22	41	25.0	49.134 N	6.895 E	10 G			1.0	23	GERMANY. ML 2.8 (GRF), 2.7 (STR), 2.6 (BNS). MD 3.0 (UCC).
01	22	49	54.94	60.204 N	151.072 W	41				68	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC), 3.0 (PMR).
01	23	49	37.84	44.322 S	169.302 E	18			0.4	16	SOUTH ISLAND, NEW ZEALAND. ML 4.7 (WEL).
02	00	26	13.9	39.721 N	20.657 E	9			1.3	20	GREECE-ALBANIA BORDER REGION. ML 3.4 (TIR). MD 3.2 (ATH).
02	00	46	15.84	40.318 N	124.460 W	7				6	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.5 (BRK).
02	00	50	30.34	57.939 N	151.553 W	71				37	KODIAK ISLAND REGION. <AEIC>.
02	01	52	34.14	40.313 N	124.474 W	8				8	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.4 (GM). ML 3.7 (BRK), 3.2 (GS). Felt at Petrolia.
02	03	08	54.3*	30.770 N	131.540 E	33 N	4.2		0.7	7	KYUSHU, JAPAN
a	02	03	13	21.6	30.828 N	131.418 E	33 D	5.4 5.4	1.2	273	KYUSHU, JAPAN. Mw 5.6 (HRV). Ms 4.8 (BRK).
02	03	23	26.5	30.815 N	131.507 E	45 *	4.5		0.7	16	KYUSHU, JAPAN
02	05	37	24.24	44.205 N	11.286 E	10 G			0.4	5	NORTHERN ITALY
02	05	44	03.64	40.219 S	174.286 E	108 *			0.9	24	COOK STRAIT, NEW ZEALAND
02	05	50	05.0	43.597 N	10.594 E	10 G			0.8	8	CENTRAL ITALY. ML 2.6 (LDG).
02	06	14	21.44	44.337 N	7.440 E	10 G			1.0	6	NORTHERN ITALY. ML 1.9 (GEN).
02	06	21	27.82	44.35 N	7.39 E	10 G			0.2	4	NORTHERN ITALY. ML 1.6 (GEN).
02	06	31	24.52	40.08 N	35.91 E	10 G			1.4	5	TURKEY. MG 3.6 (DDA).
02	06	49	00.84	37.733 N	3.582 W	10 G			0.2	7	SPAIN. mbLg 2.8 (MDD).
02	07	16	13.34	60.042 N	151.671 W	74	3.8			80	KENAI PENINSULA, ALASKA. <AEIC>.
02	08	01	27.1	16.994 N	94.408 W	123 D	4.6		1.0	75	OAXACA, MEXICO. Felt on the Isthmus of Tehuantepec and at Oaxaca.
02	08	44	00.14	10.270 N	69.757 W	10 G			1.1	5	VENEZUELA
02	09	00	35.74	40.310 N	124.482 W	7				34	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 4.2 (GM). ML 3.7 (GS), 3.6 (BRK). Felt at Petrolia. Double event.
02	09	08	07.2*	40.120 N	35.912 E	10 G			0.3	5	TURKEY. MG 3.5 (DDA).
02	09	26	46.92	40.37 N	23.10 E	5 G			0.1	4	GREECE
02	10	03	59.54	40.312 N	124.463 W	7				3	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.8 (GM).
02	10	20	28.14	40.309 N	124.499 W	7				25	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.7 (GM). ML 3.7 (GS), 3.4 (BRK).
02	10	46	30.8*	7.269 S	153.993 E	81 ?	4.3		1.1	8	NEW BRITAIN REGION, P.N.G.
02	10	51	39.82	6.92 S	129.95 E	163 ?	3.9		0.5	5	BANDA SEA
02	11	29	03.2*	42.743 N	24.092 E	5 G			0.6	8	BULGARIA
02	11	52	47.32	45.04 N	7.32 E	10 G			0.3	4	NORTHERN ITALY. ML 2.1 (GEN).
02	12	19	07.1*	14.858 S	175.178 W	223 *	4.5		0.8	23	SAMOA ISLANDS REGION
02	12	39	41.74	43.052 N	18.803 E	10 G			0.3	9	NORTHWESTERN BALKAN REGION
02	12	46	43.32	33.74 S	179.08 W	33 N	3.8		1.3	7	SOUTH OF KERMADEC ISLANDS
02	13	05	17.94	34.014 N	117.107 W	9				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt.
02	13	42	16.4	43.073 N	0.351 W	10 G			0.2	8	PYRENEES. ML 2.6 (BTH).
02	14	41	45.0	22.812 N	93.567 E	75 *	4.8		0.9	14	MYANMAR-INDIA BORDER REGION
02	15	37	28.8*	6.783 S	130.933 E	108 *			1.1	12	BANDA SEA
a	02	15	44	40.1	11.726 S	74.162 W	54 D	5.1 5.0	1.0	106	CENTRAL PERU. Mw 5.4 (HRV).
02	15	55	56.82	31.64 S	69.57 W	130 G			0.2	5	SAN JUAN PROVINCE, ARGENTINA
02	16	00	59.6	30.914 N	51.839 E	39 *	4.9 4.2		1.3	135	NORTHERN IRAN
02	16	48	15.0	36.992 N	71.341 E	115 *	4.6		0.7	54	AFGHANISTAN-TAJIKISTAN BORD REG.
02	17	38	12.8	39.779 N	20.625 E	10 G			0.7	17	GREECE-ALBANIA BORDER REGION. ML 3.1 (TIR).
02	17	45	32.32	31.81 S	69.07 W	114 ?			0.7	6	SAN JUAN PROVINCE, ARGENTINA
02	18	10	12.3	37.672 S	176.182 E	253	4.3		1.1	59	NORTH ISLAND, NEW ZEALAND
02	19	02	45.84	38.871 S	175.346 E	163 *			0.7	26	NORTH ISLAND, NEW ZEALAND
02	19	07	20.24	60.291 N	153.554 W	154				40	SOUTHERN ALASKA. <AEIC>.
02	19	33	48.94	31.315 S	68.765 W	124 ?			0.2	7	SAN JUAN PROVINCE, ARGENTINA
02	19	50	20.52	36.62 N	4.43 W	33 N			0.9	5	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).
02	19	51	24.12	30.35 S	68.72 W	100 G			0.6	4	SAN JUAN PROVINCE, ARGENTINA
02	20	14	26.74	37.792 N	3.589 W	10 G			0.8	5	SPAIN. mbLg 2.5 (MDD).
02	20	50	03.14	62.534 N	149.560 W	18				50	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.1 (PMR).
02	21	04	25.54	34.115 N	116.744 W	10				8	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 2.9 (GS). Felt.
02	21	21	28.5	61.379 N	5.740 E	5 G			0.7	6	SOUTHERN NORWAY. ML 2.7 (NAO). Felt.
02	21	48	29.42	31.95 S	68.92 W	100 G			0.5	5	SAN JUAN PROVINCE, ARGENTINA
02	22	31	22.6	31.781 S	71.930 W	55 *	4.9		1.1	32	NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN).
02	23	04	55.6*	37.482 N	70.947 E	33 N	4.7		1.2	12	AFGHANISTAN-TAJIKISTAN BORD REG.
02	23	16	44.8*	31.236 N	35.278 E	10 G			0.2	7	DEAD SEA REGION. MD 4.1 (HLW), 4.0 (RYD). ML 4.0 (BHL), 3.9 (CSS).
03	00	28	25.8*	39.043 N	21.902 E	33 N			0.6	8	GREECE
03	00	34	39.3	39.353 N	22.854 E	10 G			0.8	14	GREECE. ML 3.1 (THE), 3.1 (ATH). Felt at Volos.
03	01	19	26.9	44.249 N	9.848 E	10 G			0.5	6	NORTHERN ITALY
03	01	23	45.64	34.439 N	116.496 W	1				4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS).
03	01	32	14.54	39.375 N	22.797 E	10 G			0.1	5	GREECE
03	01	34	34.7*	36.308 N	12.264 W	10 G			0.6	16	NORTH ATLANTIC OCEAN. MD 3.4 (RBA). mbLg 2.9 (MDD).
03	01	38	19.6	63.258 N	151.160 W	10 G			1.0	10	CENTRAL ALASKA. ML 3.0 (PMR).
03	02	09	22.9	31.854 S	67.545 W	10 G			0.9	10	SAN JUAN PROVINCE, ARGENTINA
03	03	07	32.62	35.76 S	179.49 W	53 ?	4.7		0.4	11	EAST OF NORTH ISLAND, N.Z.
03	03	20	29.84	40.594 N	23.587 E	5 G			0.7	6	GREECE
03	04	26	32.9*	3.824 S	141.716 E	70 *	4.8		1.1	14	NEW GUINEA, PAPUA NEW GUINEA
03	04	32	09.0	43.610 N	12.185 E	10 G			1.3	16	CENTRAL ITALY. MD 3.4 (FIR), 3.0 (TRI).
03	06	09	01.2	12.990 N	144.945 E	46	5.1		1.1	84	SOUTH OF MARIANA ISLANDS. Felt (IV) in offices on the 9th floor of buildings in Agana and Tamuning; (III) at the Tumon Hotel, Guam.
03	06	15	55.32	35.41 S	70.92 W	110 G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
03	06	15	55.6	85.253 N	91.728 E	10 G	4.9 4.5		1.0	127	NORTH OF SEVERNAYA ZEMLYA
03	07	03	07.52	41.90 N	22.98 E	5 G			0.7	5	NORTHWESTERN BALKAN REGION
03	07	17	04.3	24.213 S	66.920 W	170	5.3		1.2	39	SALTA PROVINCE, ARGENTINA. Felt at Antofagasta, Chile.
a	03	07	19	59.54	51.188 N	130.797 W	10 G	5.5 6.1		353	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. Mw 6.0 (HRV). ML 5.6 (PGC). Mo=2.3*10**18 Nm (PPT). Felt (IV) at Bella Bella. Felt strongly on the Goose Group Islands.

03	07	56	41.9	51.213	N	130.269	W	10	G					5	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.5 (PGC).
03	08	45	08.3	34.359	N	116.890	W	4						9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.6 (GS).
03	08	45	12.2	31.676	S	72.148	W	33	N			0.9	17	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN).	
03	08	59	08.4	34.56	S	71.75	W	70	G			0.3	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).	
03	09	01	33.5	49.170	N	6.707	E	10	G			1.0	64	GERMANY. ML 3.8 (LDG), 3.8 (VIE), 3.6 (STR), 3.5 (GRF), 3.3 (BNS).	
03	09	20	33.4	51.238	N	130.763	W	10	G	4.2				56	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 4.5 (PGC).
03	09	24	15.6	31.891	S	71.803	W	96	?			1.0	23	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).	
03	10	42	49.6	40.869	N	22.982	E	10	G			0.7	5	GREECE	
03	10	43	27.8	85.294	N	91.440	E	10	G	4.8		1.1	68	NORTH OF SEVERNAYA ZEMLYA	
03	11	11	18.4	39.411	N	22.831	E	10	G			0.6	16	GREECE. ML 3.2 (THE), 3.1 (ATH). Felt at Volos.	
03	11	15	02.7	51.155	N	131.147	W	10	G	3.4			9	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.8 (PGC).	
03	11	20	31.3	21.707	S	68.453	W	149	*	4.7		1.3	9	CHILE-BOLIVIA BORDER REGION	
03	12	07	59.5	29.903	S	72.082	W	38	*	4.8		0.9	26	OFF COAST OF CENTRAL CHILE. MD 4.6 (SAN).	
03	12	15	38.6	42.466	N	19.475	E	10	G			0.2	8	NORTHWESTERN BALKAN REGION	
03	12	21	57.4	12.037	S	166.077	E	33	N	5.0	5.3	1.1	40	SANTA CRUZ ISLANDS	
03	12	23	42.0	40.95	N	24.36	E	5	G			0.8	5	AEGEAN SEA	
03	12	31	20.1	28.549	N	34.608	E	10	G	4.5		1.4	14	EGYPT. MD 4.3 (HLW).	
f 03	12	43	05.3	28.729	N	34.553	E	10	G	5.9	5.8	1.3	394	EGYPT. Mw 6.0 (GS), 6.1 (HRV). MD 5.5 (HLW). ML 5.4 (BHL). Mo=3.4*10**18 Nm (PPT). Some damage in Saudi Arabia. Felt in Egypt, Israel, Jordan, northern Lebanon and Saudi Arabia.	
03	12	44	52.0	3.766	S	144.628	E	10	G	4.0		0.6	6	NEAR N COAST OF NEW GUINEA, PNG.	
03	12	54	06.3	28.600	N	34.777	E	10	G	5.1		1.3	95	EGYPT	
03	13	03	57.9	51.297	N	130.740	W	10	G	5.1	5.2		177	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 5.2 (PGC).	
03	13	06	30.6	33.091	S	70.292	W	100	G			0.4	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).	
03	13	12	18.3	28.504	N	34.676	E	10	G	5.0	5.3	1.1	79	EGYPT	
03	13	29	42.4	29.68	N	34.14	E	10	G	4.6		1.3	25	EGYPT	
03	13	30	52.3	40.991	N	24.449	E	10	G			0.8	7	AEGEAN SEA	
03	13	33	43.9	28.405	N	34.780	E	10	G	5.0		1.3	71	EGYPT	
03	13	44	59.9	28.607	N	34.638	E	10	G	5.0	5.1	1.1	122	EGYPT. ML 4.9 (BHL).	
03	14	19	32.2	39.413	N	22.907	E	10	G	3.6		1.0	28	GREECE. ML 3.7 (THE), 3.3 (ATH). Felt at Volos.	
03	14	27	01.9	44.232	N	8.244	E	10	G			0.8	6	NORTHERN ITALY. ML 1.8 (GEN).	
03	15	29	56.1	51.122	N	130.934	W	10	G	3.2			7	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.5 (PGC).	
03	15	42	54.6	28.89	N	33.71	E	10	G	3.8		1.5	5	EGYPT. ML 4.4 (BHL).	
03	16	23	17.6	18.264	S	177.726	W	627		5.0		1.2	48	FIJI ISLANDS REGION	
03	16	31	34.9	37.688	N	15.097	E	10	G			0.4	7	SICILY	
a 03	16	33	20.7	28.777	N	34.668	E	10	G	5.6	5.2	1.1	304	EGYPT. Mw 5.7 (HRV). ML 5.6 (BHL). Felt throughout Israel.	
03	16	43	49.6	11.552	N	61.776	W	83	?			0.5	9	WINDWARD ISLANDS. MD 3.7 (TRN).	
03	17	04	22.6	13.350	N	120.065	E	33	N			1.2	9	MINDORO, PHILIPPINE ISLANDS	
03	17	04	39.5	60.032	N	153.185	W	133					58	SOUTHERN ALASKA. <AEIC>.	
03	17	15	43.9	31.307	S	68.600	W	119	?			1.0	8	SAN JUAN PROVINCE, ARGENTINA	
03	17	27	52.3	43.055	N	18.799	E	10	G			0.4	9	NORTHWESTERN BALKAN REGION	
03	17	50	20.6	28.67	N	34.79	E	10	G	4.6		1.3	40	EGYPT	
03	18	02	05.4	28.95	N	34.66	E	10	G	4.6		1.1	36	EGYPT. MD 4.4 (HLW).	
03	18	11	46.9	59.726	N	152.363	W	73					64	SOUTHERN ALASKA. <AEIC>.	
03	18	58	47.5	37.03	S	176.83	E	315	?			0.7	22	NORTH ISLAND, NEW ZEALAND	
03	20	21	52.2	36.83	N	16.43	E	10	G			0.4	7	CENTRAL MEDITERRANEAN SEA	
03	20	53	51.9	28.672	N	34.567	E	10	G	4.7	4.6	1.3	77	EGYPT. MD 4.2 (HLW).	
03	22	08	58.4	40.482	N	23.567	E	5	G			0.5	7	GREECE	
03	22	17	21.7	50.362	N	18.995	E	10	G			1.2	5	POLAND. ML 2.9 (WAR).	
03	23	14	00.4	37.58	S	178.15	E	33	N			0.7	8	OFF E. COAST OF N. ISLAND, N.Z. ML 3.9 (WEL).	
04	00	17	45.8	51.067	N	130.829	W	10	G	3.6			11	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.7 (PGC).	
04	00	21	50.7	9.628	S	121.749	E	105	?	4.9		0.8	10	SAVU SEA	
04	01	03	40.8	37.644	N	22.411	E	10	G			1.0	13	SOUTHERN GREECE. ML 3.3 (ATH).	
04	01	59	16.2	9.656	S	74.913	W	134	*	4.3		1.3	23	CENTRAL PERU	
04	03	00	45.9	39.169	N	21.906	E	10	G			1.2	16	GREECE. MD 3.1 (ATH).	
04	04	21	28.9	17.38	N	65.74	W	33	N			0.2	6	PUERTO RICO REGION	
04	04	47	05.3	33.916	S	70.089	W	136	?			0.3	12	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).	
04	05	28	42.6	51.241	N	130.829	W	10	G	3.7			12	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.8 (PGC).	
04	06	03	17.8	13.960	N	120.795	E	232		4.6		1.0	42	MINDORO, PHILIPPINE ISLANDS	
a 04	07	45	10.0	10.825	S	161.406	E	33	D	5.3	4.7	0.9	78	SOLOMON ISLANDS. Mw 5.4 (HRV).	
04	07	59	43.6	30.105	N	51.392	E	33	N	4.6		0.9	38	NORTHERN IRAN	
04	08	05	05.8	61.846	N	150.852	W	62					47	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).	
04	08	11	24.3	34.035	N	117.560	W	7					18	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS), 3.3 (GS). Felt (IV) at Fontana, Norco, Ontario, Rancho Cucamonga and Riverside. Felt (III) at Guast.	
04	08	31	24.1	33.091	N	116.053	W	12					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).	
04	08	34	03.0	33.087	N	116.055	W	7					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS). Double event.	
04	08	41	06.3	43.088	N	19.796	E	10	G			0.4	9	NORTHWESTERN BALKAN REGION	
04	08	41	25.6	31.347	S	68.625	W	104	*			0.5	10	SAN JUAN PROVINCE, ARGENTINA	
04	09	03	00.4	30.64	S	176.02	E	33	N	4.0		0.4	6	NORTH OF NEW ZEALAND	
04	09	06	42.2	44.427	N	7.230	E	10	G			0.4	20	NORTHERN ITALY. ML 2.3 (GEN), 2.1 (LDG).	
04	09	14	08.8	51.231	N	130.826	W	10	G	3.3			7	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.5 (PGC).	
04	09	44	12.2	51.210	N	130.838	W	10	G	3.9			18	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 4.1 (PGC).	
04	10	15	30.5	63.201	N	150.617	W	131		3.1			67	CENTRAL ALASKA. <AEIC>.	
04	11	12	54.1	11.52	N	89.15	W	33	N	4.0		1.3	8	OFF COAST OF CENTRAL AMERICA. MD 4.1 (GCG).	
f 04	11	31	18.0	1.629	S	99.615	E	32	G	5.9	6.3	1.0	434	SOUTHERN SUMATRA, INDONESIA. Mw 6.5 (GS), 6.4 (HRV). Ms 6.2 (BRK). Mo=4.0*10**18 Nm (PPT). Felt strongly in the Padang area. Depth from broadband displacement seismograms.	
04	12	50	42.3	33.618	N	25.441	E	27	*	3.3		0.8	9	EASTERN MEDITERRANEAN SEA	
04	13	02	20.7	7.445	S	125.814	E	26	D	5.3	5.0	1.0	103	BANDA SEA	
04	13	08	41.2	9.442	N	70.207	W	10	G	3.6		0.9	7	VENEZUELA	
04	13	32	54.9	64.217	N	152.683	W	0					35	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.1 (PMR).	
04	13	46	57.8	34.46	S	71.15	W	90	G			0.2	8	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).	
04	13	48	20.2	41.205	N	21.979	E	5	G			0.4	8	NORTHWESTERN BALKAN REGION. ML 1.7 (SKO).	
04	14	03	27.2	34.377	N	116.457	W	4					12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 2.9 (GS).	
04	14	04	00.3	45.465	N	14.890	E	10	G			0.5	5	NORTHWESTERN BALKAN REGION	
04	14	36	39.0	37.634	N	118.845	W	10					11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).	
04	15	39	48.0	25.117	N	128.039	E	44	D	4.9	4.6	1.1	47	RYUKYU ISLANDS	

04	17 16 41.7%	41.214 N	21.976 E	5 G	0.2	4	NORTHWESTERN BALKAN REGION
04	17 22 05.2	33.021 S	68.883 W	10 G	0.8	16	MENDOZA PROVINCE, ARGENTINA. MD 3.9 (SAN).
04	18 10 44.12	60.46 N	5.16 E	10 G	0.4	4	SOUTHERN NORWAY. ML 1.3 (NAO). MD 1.0 (BER).
a 04	19 05 05.2	5.249 S	145.697 E	96 D	5.3	0.9	112 EASTERN NEW GUINEA REG., P.N.G. Mw 5.4 (HRV).
04	19 28 22.7%	29.802 S	66.872 W	30 *	0.7	7	LA RIOJA PROVINCE, ARGENTINA
04	19 39 40.7%	40.768 N	22.788 E	10 G	0.2	5	GREECE
04	19 41 07.5*	17.179 S	72.858 W	33 N	4.1	0.8	7 NEAR COAST OF PERU
04	19 46 09.8	37.008 N	57.936 E	33 N	4.4	1.0	34 TURKMENISTAN-IRAN BORDER REGION. ML 4.7 (TEH).
04	20 00 27.6%	10.674 N	61.634 W	33 N	0.2	5	TRINIDAD. MD 2.7 (TRN).
04	20 15 09.8*	50.32 N	156.89 E	33 N	4.4	0.8	23 KURIL ISLANDS
04	22 05 53.52	34.44 S	71.12 W	70 G	0.2	9	NEAR COAST OF CENTRAL CHILE. MD 3.5 (SAN).
04	22 29 20.4	51.929 S	160.171 E	10 G	4.9	1.2	35 NORTH OF MACQUARIE ISLAND
04	23 17 26.8*	51.106 N	15.787 E	10 G	1.2	7	POLAND. ML 2.8 (GRF).
04	23 20 33.1%	51.262 N	130.644 W	10 G	3.7	7	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.6 (PGC).
04	23 26 23.4*	49.182 N	7.034 E	10 G	1.4	7	GERMANY. ML 2.0 (UCC).
04	23 30 53.6%	30.730 S	68.169 W	33 N	1.0	5	SAN JUAN PROVINCE, ARGENTINA
05	01 10 30.4*	38.877 N	25.988 E	0 G	0.5	8	AEGEAN SEA
05	01 13 12.5*	28.07 S	70.58 W	33 N	0.9	7	CENTRAL CHILE
05	01 16 32.0%	38.287 N	15.759 E	10 G	0.4	5	SICILY
a 05	01 20 48.5	17.405 N	98.235 W	62	5.0	1.1	167 GUERRERO, MEXICO. Mw 5.2 (HRV). Felt at Acapulco, Oaxaca, Puebla and Mexico City.
05	03 27 54.3	51.364 N	15.892 E	5 G	0.6	17	POLAND. ML 3.5 (GRF), 3.3 (VIE).
05	04 20 52.22	45.64 N	6.68 E	5 G	1.1	7	FRANCE. ML 2.1 (LDG).
05	04 51 05.6%	39.447 S	174.797 E	188	0.6	49	NORTH ISLAND, NEW ZEALAND
05	05 19 02.5	39.608 N	143.332 E	28	4.8 4.3	1.2	79 OFF EAST COAST OF HONSHU, JAPAN
05	05 35 03.8*	5.621 S	145.388 E	33 N	3.6	0.7	5 EASTERN NEW GUINEA REG., P.N.G.
05	06 23 26.9%	44.236 N	8.249 E	10 G	0.2	5	NORTHERN ITALY. ML 1.6 (GEN).
05	07 05 33.5	72.219 N	1.514 E	10 G	4.6 4.5	1.5	65 NORWEGIAN SEA
05	07 14 17.8%	44.219 N	8.265 E	10 G	1.0	5	NORTHERN ITALY. ML 1.7 (GEN).
05	07 17 27.7%	44.244 N	8.275 E	5 G	0.3	6	NORTHERN ITALY. ML 2.0 (GEN).
05	07 21 37.4%	36.000 N	89.880 W	12	7	7	NEW MADRID, MISSOURI REGION. <SIM-P>. MD 3.0 (SIM).
05	07 32 44.4%	44.646 N	128.878 W	10 G	42	6	OFF COAST OF OREGON. <SEA-P>.
05	07 40 13.5%	44.284 N	8.243 E	5 G	0.4	6	NORTHERN ITALY. ML 2.3 (GEN).
05	09 08 34.8	59.142 N	144.863 W	10 G	0.8	43	GULF OF ALASKA. ML 3.9 (AEIC), 3.9 (PMR), 3.6 (PGC).
05	09 16 15.5	28.842 S	67.950 W	150 ?	0.6	9	LA RIOJA PROVINCE, ARGENTINA
05	09 29 57.5	5.655 S	145.342 E	33 N	3.9	0.8	6 EASTERN NEW GUINEA REG., P.N.G. ML 4.3 (PMG).
05	09 37 17.5%	63.263 N	151.052 W	8	55	55	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC), 3.4 (PMR).
05	09 46 20.0%	42.112 S	173.686 E	71 *	0.7	28	SOUTH ISLAND, NEW ZEALAND
05	10 19 16.4%	37.549 N	118.802 W	9	7	7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).
05	11 31 14.2%	2.100 S	99.072 E	59 *	3.7	0.8	17 SOUTHERN SUMATERA, INDONESIA
05	11 51 20.4%	44.226 N	8.280 E	10 G	0.3	6	NORTHERN ITALY. ML 2.2 (GEN).
a 05	11 53 19.1	5.430 S	151.700 E	61 *	5.2 5.1	1.0	124 NEW BRITAIN REGION, P.N.G. Mw 5.5 (HRV). Ms 5.1 (BRK).
05	12 03 55.7%	31.392 S	68.523 W	107 ?	0.6	7	SAN JUAN PROVINCE, ARGENTINA
05	12 42 24.2%	37.774 N	14.860 E	10 G	0.5	5	SICILY
a 05	12 42 43.5	18.104 S	178.333 W	616 D	5.4	0.9	404 FIJI ISLANDS REGION. Mw 5.6 (HRV). mb 5.2 (BRK).
05	13 17 27.2*	34.38 S	179.24 W	249 *	4.6	1.3	42 SOUTH OF KERMADEC ISLANDS
05	13 23 42.6	39.789 N	20.594 E	10 G	1.2	18	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH). ML 3.3 (TIR).
05	15 04 55.1%	39.702 S	173.926 E	228 *	0.4	24	OFF W. COAST OF N. ISLAND, N.Z.
05	15 06 01.1?	21.73 S	176.87 W	418 ?	4.3	1.1	12 FIJI ISLANDS REGION
05	16 28 58.2	39.837 N	20.571 E	10 G	3.2	1.0	26 GREECE-ALBANIA BORDER REGION. ML 3.4 (THE). MD 3.6 (ATH).
05	16 29 07.4*	6.073 S	151.347 E	33 N	4.5	1.3	7 NEW BRITAIN REGION, P.N.G. ML 4.5 (PMG).
05	16 45 39.0	39.725 N	20.604 E	10 G	1.2	18	GREECE-ALBANIA BORDER REGION. ML 3.3 (TIR), 3.0 (THE).
05	16 57 51.9	50.101 N	5.429 E	10 G	0.9	14	BELGIUM. ML 2.5 (LDG). MD 2.4 (UCC).
05	17 09 36.7*	7.146 N	76.790 W	91 ?	3.8	1.3	11 NORTHERN COLOMBIA
05	17 44 51.9	39.790 N	20.614 E	5 G	0.8	13	GREECE-ALBANIA BORDER REGION. ML 2.9 (THE). MD 3.1 (ATH).
05	17 58 39.6	7.328 N	71.537 W	64 *	4.6	1.0	18 VENEZUELA
05	18 04 58.0	44.821 N	111.025 W	5 G	0.6	14	HEBGEN LAKE REGION. ML 3.3 (BUT).
05	19 10 11.5*	51.173 N	15.811 E	10 G	1.0	5	POLAND
05	19 26 55.6?	41.83 N	23.18 E	10 G	0.3	4	GREECE-BULGARIA BORDER REGION
05	20 31 58.6	38.921 N	26.115 E	10 G	3.7	1.2	19 AEAGEAN SEA. MD 3.4 (ATH).
05	20 33 59.6%	51.176 N	130.916 W	10 G	10	10	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.3 (PGC).
05	21 23 54.3%	60.573 N	147.382 W	19	53	53	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
05	22 30 33.5*	4.188 N	127.080 E	33 N	4.8	1.1	8 TALAUD ISLANDS, INDONESIA
05	22 54 49.1*	50.583 N	18.893 E	10 G	0.6	7	POLAND. ML 3.1 (WAR).
05	22 55 42.5*	41.592 N	23.739 E	10 G	0.4	9	GREECE-BULGARIA BORDER REGION
05	23 05 14.4	3.482 N	127.272 E	52 *	4.8 4.2	1.2	41 TALAUD ISLANDS, INDONESIA
05	23 56 15.7%	32.179 N	115.437 E	10 G	1.2	7	SOUTHEASTERN CHINA. ML 3.8 (BJI).
06	00 26 59.1%	60.268 N	152.189 W	79	79	79	SOUTHERN ALASKA. <AEIC>.
06	00 31 39.5%	39.388 N	120.246 W	15	10	10	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM).
06	00 54 23.0*	31.474 S	68.519 W	101 *	0.5	9	SAN JUAN PROVINCE, ARGENTINA
06	01 25 41.6	39.682 N	20.066 E	19	3.9	1.1	63 GREECE-ALBANIA BORDER REGION. ML 4.3 (ATH), 3.9 (TIR). Felt on Kerkira.
06	01 28 19.1%	58.768 N	154.689 W	122	74	74	ALASKA PENINSULA. <AEIC>.
06	01 30 07.8*	25.590 N	128.642 E	33 N	4.6	0.9	12 RYUKYU ISLANDS
06	01 57 01.1%	59.802 N	147.518 W	10	51	51	GULF OF ALASKA. <AEIC>. ML 2.7 (AEIC).
06	02 31 21.2?	18.41 N	66.28 W	33 N	0.8	6	PUERTO RICO REGION
06	03 03 05.9*	32.512 S	71.531 W	33 N	0.9	14	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
06	03 04 21.8%	59.815 N	147.533 W	12	3.0	71	GULF OF ALASKA. <AEIC>. ML 3.3 (AEIC), 3.3 (PMR).
06	03 46 57.22	18.06 N	67.23 W	32 *	0.1	6	MONA PASSAGE
06	03 51 32.4	10.809 N	62.514 W	31	1.2	11	NEAR COAST OF VENEZUELA. MD 3.5 (TRN).
06	05 00 59.8%	31.592 S	68.817 W	105 ?	0.5	7	SAN JUAN PROVINCE, ARGENTINA
06	05 20 10.1?	40.53 N	35.12 E	10 G	1.1	5	TURKEY. MG 2.5 (DDA).
06	06 21 54.2	14.068 N	124.841 E	43 D	4.8 4.3	1.2	51 LUZON, PHILIPPINE ISLANDS
06	06 47 58.4	49.145 N	6.883 E	10 G	0.6	8	GERMANY. ML 2.5 (LDG), 2.0 (UCC).
06	07 51 49.5	43.284 N	10.929 E	30	3.9	1.0	114 CENTRAL ITALY. ML 4.0 (VIE), 3.8 (LDG), 3.6 (ROM). MD 4.2 (TRI), 3.7 (FIR). mbLg 3.8 (MDD).
06	07 57 52.0%	28.530 S	68.696 W	159 ?	0.6	9	LA RIOJA PROVINCE, ARGENTINA
06	08 12 33.8%	42.714 N	13.040 E	10 G	0.6	7	CENTRAL ITALY
06	08 18 19.0	33.215 S	69.973 W	109	5.0	1.0	79 CHILE-ARGENTINA BORDER REGION. MD 4.6 (SAN). Felt (IV) at Santiago and Los Andes; (III) at Rancagua, Chile.

06	08	53	38.3?	40.65	N	22.97	E	5	G	0.4	4	Felt (II) at Mendoza, Argentina.		
06	09	12	02.6	42.971	N	13.216	E	12		1.2	46	GREECE		
												CENTRAL ITALY. ML 3.6 (LDG), 3.1 (ROM). MD 3.6 (TRI), 3.4 (FIR).		
a 06	09	49	23.0?	31.26	S	68.52	W	100	G	0.6	5	SAN JUAN PROVINCE, ARGENTINA		
06	09	50	12.8	11.556	S	13.236	W	10	G	5.0	4.9	96	ASCENSION ISLAND REGION. Mw 5.2 (HRV).	
06	10	02	37.7*	6.905	S	146.862	E	10	G	3.9	1.5	5	EASTERN NEW GUINEA REG., P.N.G.	
06	10	09	31.6	39.137	N	21.750	E	5	G	1.0	9	9	GREECE. MD 3.1 (ATH).	
06	11	01	39.9*	36.274	N	120.365	W	8			15	15	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM). ML 2.7 (PAS).	
06	12	17	10.6*	59.919	N	153.426	W	123			47	47	SOUTHERN ALASKA. <AEIC>.	
06	12	27	17.2?	42.64	N	23.97	E	5	G	1.1	7	7	BULGARIA	
06	13	13	18.0?	20.61	S	177.44	W	394	?	4.5	1.1	17	FIJI ISLANDS REGION	
06	13	44	00.1?	19.03	S	68.92	W	222	?		0.5	6	CHILE-BOLIVIA BORDER REGION	
06	13	59	07.6?	16.29	N	98.77	W	33	N		1.3	8	NEAR COAST OF GUERRERO, MEXICO	
06	16	27	31.0?	39.51	N	25.92	E	5	G	0.6	6	6	AEGEAN SEA	
06	16	47	38.2*	62.777	N	149.106	W	62			65	65	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC).	
06	18	17	53.1	44.063	N	7.653	E	10	G	0.7	26	26	NORTHERN ITALY. ML 3.0 (LDG), 2.8 (GEN).	
06	18	20	13.2*	31.267	S	67.636	W	80	G	1.3	5	5	SAN JUAN PROVINCE, ARGENTINA	
06	18	23	11.0*	19.393	S	69.039	W	137	?	4.1	1.5	7	NORTHERN CHILE	
06	18	31	03.3	17.549	S	174.811	W	244	D	5.1	1.0	97	TONGA ISLANDS	
06	21	56	35.6*	34.302	N	119.814	W	0			7	7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.3 (PAS).	
06	23	00	59.4	39.596	N	20.179	E	5	G	1.0	17	17	GREECE-ALBANIA BORDER REGION. ML 3.2 (TIR). MD 3.2 (ATH).	
06	23	03	35.6	39.587	N	20.144	E	5	G	0.9	10	10	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH).	
06	23	18	09.7	39.588	N	20.158	E	5		3.8	1.1	27	GREECE-ALBANIA BORDER REGION. ML 3.3 (TIR). MD 3.3 (ATH).	
06	23	32	54.7	56.265	N	156.149	W	64	D	4.7	1.2	108	ALASKA PENINSULA. ML 4.4 (AEIC).	
06	23	34	50.4*	37.598	N	122.003	W	11			9	9	CENTRAL CALIFORNIA. <BRK>. ML 2.4 (BRK). Felt at Fremont.	
f 07	00	00	37.0	26.585	N	125.612	E	155	G	6.0	1.1	562	NORTHEAST OF TAIWAN. Mw 6.4 (GS), 6.4 (HRV). Mo=8.5*10**18 Nm (PPT). Felt (II JMA) on Iriomote-jima, Kume-shima, Miyako-jima and at Futema, Okinawa; (I JMA) on Ishigaki-shima and at Nago, Okinawa, Ryukyu Islands. Depth from broadband displacement seismograms.	
07	00	58	29.4*	3.971	S	35.856	E	33	N	4.3	1.2	8	TANZANIA	
07	01	33	45.1	38.177	N	21.695	E	5	G		1.3	18	GREECE. ML 3.2 (ATH).	
07	03	12	42.4*	31.814	S	70.866	W	130	?		0.7	13	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).	
07	04	18	21.5*	42.582	N	139.035	E	33	N	4.2	1.5	8	HOKKAIDO, JAPAN REGION	
07	04	35	07.2	41.098	N	20.009	E	10	G		1.0	11	ALBANIA. ML 3.0 (TIR).	
07	04	53	43.5	41.280	N	19.580	E	14			0.7	22	ALBANIA. ML 3.4 (TIR).	
07	04	54	16.1*	44.444	N	7.273	E	10	G		0.3	6	NORTHERN ITALY. ML 2.1 (GEN).	
07	04	55	39.9?	28.81	N	34.72	E	10	G	4.4	1.0	25	EGYPT. ML 4.3 (BHL). MD 4.4 (HLW).	
07	05	02	18.9*	44.404	N	7.291	E	10	G		0.5	5	NORTHERN ITALY. ML 2.0 (GEN).	
07	05	14	50.5?	8.67	S	159.66	E	33	N	4.1	0.9	6	SOLOMON ISLANDS	
07	05	24	59.2*	59.825	N	151.387	W	45			68	68	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC), 2.9 (PMR).	
07	05	55	14.8*	59.081	N	145.470	W	10	G		45	45	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).	
07	06	02	44.4	2.194	S	139.077	E	33	N	5.3	0.9	15	NEAR NORTH COAST OF IRIAN JAYA	
07	06	11	52.1	18.065	N	105.677	W	23	*	5.1	1.1	83	OFF COAST OF JALISCO, MEXICO	
07	06	21	14.3	24.015	S	66.818	W	211	*	4.2	1.0	18	SALTA PROVINCE, ARGENTINA	
07	07	30	35.6*	51.349	N	15.766	E	10	G		0.8	5	POLAND	
07	08	27	37.0	21.744	S	179.266	W	609	*	5.2	0.7	31	FIJI ISLANDS REGION	
07	08	36	09.8	29.016	N	103.850	E	33	N	4.7	1.0	31	SICHUAN, CHINA. ML 5.1 (BJI).	
07	09	06	54.6	40.783	N	22.712	E	10	G		0.2	7	GREECE. ML 1.5 (SKO).	
07	09	18	26.1	2.419	S	139.579	E	34	D	5.0	4.4	1.0	42	NEAR NORTH COAST OF IRIAN JAYA
07	09	28	42.6*	6.820	N	73.085	W	172		3.9	1.1	13	NORTHERN COLOMBIA	
07	09	40	34.3?	6.59	S	133.91	E	33	N	4.2	0.8	9	ARU ISLANDS REGION, INDONESIA	
07	09	43	47.3?	31.28	S	68.54	W	101	?		0.3	6	SAN JUAN PROVINCE, ARGENTINA	
07	09	52	28.3*	27.678	N	139.969	E	464	?	4.3	0.9	27	BONIN ISLANDS REGION	
07	10	09	21.9	10.376	N	62.550	W	5	G		1.1	9	NEAR COAST OF VENEZUELA. MD 3.2 (TRN).	
07	11	16	22.1	51.513	N	16.027	E	10	G		0.6	26	POLAND. ML 3.9 (GRF), 3.7 (VIE).	
07	11	23	45.4*	58.533	N	136.505	W	0			5	5	SOUTHEASTERN ALASKA. <AEIC>. ML 2.8 (AEIC).	
07	11	47	55.5*	41.542	N	22.361	E	10	G		0.3	7	NORTHWESTERN BALKAN REGION	
07	12	05	09.0*	59.583	N	152.850	W	104			81	81	SOUTHERN ALASKA. <AEIC>.	
07	12	26	15.6*	7.331	N	71.689	W	54	*	4.1	0.9	11	VENEZUELA	
07	13	30	45.9*	23.360	S	179.698	E	605	?	4.7	0.4	27	SOUTH OF FIJI ISLANDS	
07	13	43	42.3*	36.465	N	120.175	W	18			25	25	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.7 (PAS), 3.4 (BRK).	
07	14	11	31.2*	6.069	S	125.064	E	593	?	5.1	0.8	28	BANDA SEA	
07	14	14	22.5	44.043	N	7.700	E	5	G		1.4	13	NORTHERN ITALY. ML 2.4 (LDG), 1.8 (STR).	
07	14	20	09.2	44.101	N	7.638	E	5	G		0.8	12	NORTHERN ITALY. ML 2.1 (GEN), 1.9 (LDG).	
07	14	23	01.3	38.193	N	37.692	E	10	G	3.9	1.2	16	TURKEY	
07	14	55	50.5*	55.472	N	162.444	E	33	N	4.3	0.7	11	NEAR EAST COAST OF KAMCHATKA	
07	15	18	41.4*	35.036	N	138.492	E	42	*	4.4	3.8	0.8	10	EASTERN HONSHU, JAPAN
07	15	32	08.0?	31.67	S	68.13	W	100	G		0.4	5	SAN JUAN PROVINCE, ARGENTINA	
07	15	52	02.9?	5.68	S	145.35	E	15	?	3.6	0.2	5	EASTERN NEW GUINEA REG., P.N.G.	
07	16	08	58.0*	59.945	N	152.786	W	100			59	59	SOUTHERN ALASKA. <AEIC>.	
f 07	17	53	24.2	23.866	S	179.846	E	523	G	6.0	1.0	524	SOUTH OF FIJI ISLANDS. Mw 6.7 (GS), 6.7 (HRV). mb 5.9 (BRK). Mo=1.0*10**19 Nm (PPT). Two events about 3 seconds apart. Depth from broadband displacement seismograms, based on second event.	
07	18	57	06.5	34.791	N	31.613	E	10	G	3.6	0.7	10	CYPRUS REGION. ML 3.8 (CSS).	
a 07	19	42	41.9	41.985	N	139.839	E	14	G	6.2	6.1	0.9	587	HOKKAIDO, JAPAN REGION. Mw 6.5 (GS), 6.3 (HRV). Ms 5.6 (BRK). Mo=7.6*10**18 Nm (PPT). Felt (V JMA) on Okushiri. Also felt on Hokkaido. Two events about 3.5 seconds apart. Depth from broadband displacement seismograms, based on second event.
07	19	54	49.9*	36.431	N	70.414	E	199	*	4.3	0.9	15	HINDU KUSH REGION, AFGHANISTAN	
07	21	27	25.9?	31.21	S	68.89	W	104	?		0.2	5	SAN JUAN PROVINCE, ARGENTINA	
07	22	03	46.8*	33.694	N	117.027	W	12			5	5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).	
07	22	10	33.8*	11.615	S	74.045	W	48	*	4.8	1.3	22	CENTRAL PERU	
07	22	11	21.5*	41.878	N	139.936	E	60	?	4.7	1.1	18	HOKKAIDO, JAPAN REGION	
07	23	27	43.5*	34.522	N	118.852	W	10			8	8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).	

a	08	00	31	06.6	0.841 N	120.368 E	34 D	5.4	4.7	1.1	135	MINAHASSA PENINSULA, SULAWESI. Mw 5.5 (HRV).
	08	01	24	47.8	34.513 N	116.527 W	5			10	10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	08	02	11	10.4	2.78 N	91.78 W	33 N	3.8		1.2	7	OFF COAST OF CENTRAL AMERICA. MD 4.1 (GCG).
	08	02	13	29.8	44.070 N	7.663 E	5 G			0.7	26	NORTHERN ITALY. ML 2.7 (LDG), 2.5 (GEN).
	08	02	45	39.3	50.417 N	18.984 E	10 G			1.3	12	POLAND. ML 3.6 (WAR), 3.5 (VIE).
	08	03	42	36.9	8.882 S	118.295 E	33 N	4.1		1.2	6	SUMBAWA REGION, INDONESIA
	08	04	19	24.2	39.42 N	26.39 E	10 G			1.0	4	TURKEY. ML 2.9 (ISK).
	08	04	29	26.6	38.858 N	26.328 E	10 G			1.0	11	AEGEAN SEA. ML 3.3 (ISK).
	08	06	40	27.0	32.099 N	115.050 W	6 G				5	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.8 (PAS).
	08	07	06	55.9	33.534 S	71.502 W	33 N			0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
	08	07	10	01.2	44.849 N	7.518 E	10 G			0.3	7	NORTHERN ITALY. ML 2.2 (GEN).
	08	07	34	00.9	30.95 S	68.64 W	100 G			0.8	5	SAN JUAN PROVINCE, ARGENTINA
	08	07	35	56.7	33.746 S	71.625 W	10 G			0.5	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
	08	07	43	07.9	6.126 S	130.541 E	91 ?	5.0		1.0	17	BANDA SEA
	08	07	56	57.5	39.143 N	27.609 E	10 G			0.3	5	TURKEY. ML 2.6 (ISK).
f	08	08	34	24.9	12.982 N	144.801 E	59 G	7.1	8.0	1.1	438	SCUTH OF MARIANA ISLANDS. Mw 7.5 (GS), 7.8 (HRV). Ms 8.2 (BRK). Mo=7.8*10**20 Nm (OBN), 9.0*10**20 Nm (PPT). Forty-eight people injured on Guam. Extensive damage (IX) to hotels in the Tumon Bay area. Cracks tens of meters long and 25-50 cm wide, caused by liquefaction in the underlying soil, damaged facilities at the commercial port and naval base at Apra Harbor. Damage (VII) occurred at several locations in the northern half of the island. One end of the approach to a bridge at Pago Bay fell more than 35 cm. Many landslides and rockslides were reported, mainly in the southern half of the island. The preliminary estimate of loss from damage to commercial buildings is placed at 112 million U.S. dollars and loss from damage to private residences is estimated at several million U.S. dollars. Slight damage (V) on Saipan. Felt (VI) on Rota and (V) on Tinian. Tsunami generated with maximum wave heights at selected tide stations as follows: 98 cm at Muroto-misaki, Shikoku; 68 cm on Chichi-shima, Bonin Islands; 58 cm at Tosashimizu, Shikoku; 56 cm at Aburatsu, Kyushu; 46 cm at Mera and Owase, Honshu; 44 cm at Ayukawahama, Honshu; 42 cm at Omae-zaki, Honshu; 34 cm at Hanasaki and Kushimoto, Honshu, 34 cm at Hirara, Ryukyu Islands; 28 cm at Ofunato, Honshu; 24 cm at Kochi, Shikoku; 19 cm at Port Allen, Kauai; 15 cm at Lahania, Maui; 14 cm at Haleiwa, Oahu; 12 cm at Hachinohe, Honshu and Kahului, Maui; 7 cm at Kapoho, Hawaii and Nawiliwili, Kauai; 5 cm at Honokohau, Hawaii. Two events about 6 seconds apart. Depth from broadband displacement seismograms, based on first event.
	08	08	46	17.1	39.121 N	27.731 E	10 G			0.9	5	TURKEY. ML 2.8 (ISK).
	08	09	06	42.2	62.965 N	149.165 W	74				43	CENTRAL ALASKA. <AEIC>.
	08	09	08	33.0	44.267 N	8.217 E	5 G			0.3	5	NORTHERN ITALY. ML 1.4 (GEN).
	08	09	10	19.0	39.08 N	27.61 E	10 G			0.5	4	TURKEY. ML 2.7 (ISK).
	08	09	17	27.4	13.305 N	144.877 E	93 ?	4.7		1.3	22	MARIANA ISLANDS
	08	09	24	31.1	33.633 N	81.595 W	5 G			0.2	9	SOUTH CAROLINA. mbLg 3.2 (GS). Felt (V) at Aiken; (IV) at Montmorenci; (III) at Graniteville, Langley and Williston. Also felt at Eureka and New Ellenton.
	08	09	33	02.4	12.964 N	144.943 E	57 *	5.0		1.1	61	SOUTH OF MARIANA ISLANDS
	08	09	54	02.8	13.205 N	89.029 W	69 *	4.8		1.0	27	EL SALVADOR. Felt in much of El Salvador.
	08	10	26	50.8	13.08 N	144.72 E	69 ?	4.5		0.8	7	MARIANA ISLANDS
	08	10	37	19.3	13.33 N	144.99 E	98 *	4.3		1.3	17	MARIANA ISLANDS
	08	10	59	31.0	39.38 N	27.77 E	10 G			0.1	4	TURKEY. ML 2.7 (ISK).
	08	11	33	16.1	13.408 N	144.034 E	31 *	4.4		1.1	13	MARIANA ISLANDS
	08	11	35	29.4	13.004 N	144.545 E	35 *	4.7		1.1	20	MARIANA ISLANDS
	08	11	43	31.6	39.14 N	27.63 E	10 G			0.3	4	TURKEY. ML 2.8 (ISK).
	08	11	44	17.1	36.976 N	117.746 W	5 G			0.7	32	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (GS), 4.2 (BRK).
	08	12	00	06.3	44.133 N	16.085 E	5 G			1.2	61	NORTHWESTERN BALKAN REGION. ML 3.7 (ZAG), 3.5 (LDG). MD 3.5 (TRI).
	08	12	11	14.0	13.189 N	144.788 E	81	5.2		1.2	123	MARIANA ISLANDS
	08	12	20	24.4	12.995 N	145.195 E	59 *	4.7		0.5	15	SOUTH OF MARIANA ISLANDS
	08	12	20	24.7	47.805 N	7.333 E	10 G			0.3	10	SWITZERLAND. ML 2.5 (LDG).
	08	12	45	43.3	51.176 N	158.506 E	34 D	4.9		0.9	113	NEAR EAST COAST OF KAMCHATKA
	08	13	04	06.0	39.106 N	27.630 E	10 G			0.2	5	TURKEY. ML 2.8 (ISK).
	08	13	48	51.5	39.104 N	27.624 E	10 G			0.3	6	TURKEY. ML 2.8 (ISK).
	08	13	57	41.3	38.694 N	15.733 E	167 ?			1.2	10	SICILY
	08	14	10	46.6	13.03 N	144.93 E	69 ?	4.6		1.2	14	MARIANA ISLANDS
	08	15	11	24.1	7.367 N	80.551 W	41	4.5		1.3	62	PANAMA. MD 4.7 (UPA). Felt (IV) at Aguadulce, Chitre and Penonome. Felt in Cocle, Herrera and Los Santos Provinces. Also felt at Panama City.
	08	15	25	53.9	6.773 N	72.960 W	166	4.7		0.9	82	NORTHERN COLOMBIA
	08	15	33	28.8	39.096 N	27.615 E	10 G			0.8	5	TURKEY. ML 2.7 (ISK).
	08	15	47	59.3	13.32 N	144.91 E	74 ?	4.5		1.2	12	MARIANA ISLANDS
	08	16	12	17.2	13.84 N	143.23 E	33 N	4.4		1.0	8	SOUTH OF MARIANA ISLANDS
	08	16	19	18.8	12.81 N	145.25 E	30 ?	4.8		1.0	10	SOUTH OF MARIANA ISLANDS
	08	16	22	05.2	13.426 N	145.701 E	55 *	4.6	4.7	1.1	67	MARIANA ISLANDS
	08	16	57	58.1	13.425 N	145.528 E	51 *	4.7	4.5	1.2	55	MARIANA ISLANDS
	08	17	37	41.8	31.707 S	68.930 W	33 N			0.3	5	SAN JUAN PROVINCE, ARGENTINA
	08	17	38	55.9	56.976 N	155.430 W	36				63	ALASKA PENINSULA. <AEIC>. ML 3.1 (AEIC).
	08	17	43	44.2	33.514 N	116.499 W	13				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	08	18	07	27.1	13.159 N	145.615 E	46 D	4.8	4.8	1.3	55	MARIANA ISLANDS
	08	18	53	10.2	33.716 N	119.170 W	6 G				10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).
	08	19	03	29.0	31.640 S	117.112 E	10 G			0.2	5	WESTERN AUSTRALIA
	08	19	07	58.3	13.20 N	145.33 E	72 ?	4.5		1.3	11	MARIANA ISLANDS
	08	19	32	29.8	44.185 N	8.369 E	10 G			0.6	17	NORTHERN ITALY. ML 2.9 (LDG).

08	19 39 12.2*	44.269 N	8.227 E	5 G	0.6	5	NORTHERN ITALY. ML 1.6 (GEN).
08	19 44 18.0*	44.272 N	8.227 E	5 G	0.4	5	NORTHERN ITALY. ML 1.2 (GEN).
08	19 52 30.8*	60.254 N	139.519 W	0		21	SOUTHEASTERN ALASKA. <AEIC>. ML 2.6 (AEIC).
08	20 03 14.9	13.483 N	145.657 E	56 *	5.3 5.7	1.1 195	MARIANA ISLANDS. Ms 5.7 (BRK). Mo=9.5*10**17 Nm (PPT).
08	20 27 35.3*	12.940 N	144.850 E	71 *	4.8	1.1 27	SOUTH OF MARIANA ISLANDS
08	20 29 54.1*	13.478 N	145.523 E	64 ?	4.6	1.3 17	MARIANA ISLANDS
08	21 11 09.1?	12.95 N	144.86 E	61 ?	4.9	0.8 12	SOUTH OF MARIANA ISLANDS
08	21 40 31.6*	40.177 N	35.918 E	10 G		1.4 6	TURKEY. MG 2.6 (DDA).
08	21 49 16.3*	13.017 N	145.362 E	82 ?	4.7	1.2 15	MARIANA ISLANDS
08	21 49 24.6*	32.208 S	117.389 E	10 G		1.2 5	WESTERN AUSTRALIA
08	22 20 17.4*	37.933 N	137.896 E	10 G	3.9	1.1 9	NEAR WEST COAST OF HONSHU, JAPAN
08	22 34 13.0*	44.198 N	8.260 E	10 G		0.7 13	NORTHERN ITALY. ML 2.3 (LDG).
08	22 41 43.1	38.662 N	70.447 E	16 D	5.1 4.8	1.1 188	AFGHANISTAN-TAJIKISTAN BORD REG. ML 4.8 (BJI).
08	23 36 38.5*	47.253 N	7.391 E	10 G		1.2 9	SWITZERLAND. ML 2.2 (LDG).
09	00 06 22.2*	51.180 N	131.164 W	10 G	3.7	50	QUEEN CHARLOTTE ISLANDS REGION. <PGC-P>. ML 3.6 (PGC).
09	00 16 53.3*	45.551 N	27.037 E	33 N		0.7 5	ROMANIA
09	00 28 05.5	44.223 N	8.301 E	5 G		0.6 15	NORTHERN ITALY. ML 2.7 (LDG).
09	01 39 33.2	31.332 S	68.818 W	104 *		1.0 20	SAN JUAN PROVINCE, ARGENTINA. MD 4.2 (SAN).
09	01 55 00.5*	34.013 N	117.105 W	8		11	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.8 (GS). Felt.
09	02 19 08.2*	39.389 N	120.240 W	15		29	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
09	02 38 01.5	8.385 N	103.089 W	33 N	4.7	1.0 55	OFF COAST OF MEXICO
09	03 17 16.2*	12.752 N	145.309 E	33 N	4.4	1.2 12	SOUTH OF MARIANA ISLANDS
09	04 17 10.2?	38.71 N	27.54 E	10 G		0.5 4	TURKEY. ML 2.7 (ISK).
09	04 57 22.4*	12.984 N	144.988 E	81 *	4.7	0.5 13	SOUTH OF MARIANA ISLANDS
09	05 08 02.4?	38.10 N	21.95 E	5 G		1.0 9	GREECE
09	05 32 30.2*	37.853 N	118.254 W	3		17	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
09	05 32 39.5*	38.048 N	27.016 E	5 G		0.7 7	TURKEY. ML 3.2 (ISK).
09	06 05 03.2	28.737 N	34.704 E	10 G	4.6	1.2 52	EGYPT. MD 4.5 (HLW).
09	06 38 09.6	40.646 N	30.217 E	10 G		0.6 7	TURKEY. ML 2.8 (ISK).
09	07 06 15.4	28.478 N	142.363 E	33 N	4.5	1.3 33	BONIN ISLANDS REGION
09	07 54 42.1	13.247 N	145.060 E	92 *	4.8	1.3 57	MARIANA ISLANDS
09	07 55 46.9?	39.68 N	21.13 E	5 G		0.8 4	GREECE
09	08 00 21.6	12.857 N	144.782 E	43 *	5.0 4.8	1.3 73	SOUTH OF MARIANA ISLANDS
09	08 10 47.1*	9.430 S	157.942 E	25 D	4.6	0.7 8	SOLOMON ISLANDS
09	08 19 37.0*	12.873 N	144.758 E	52 D	4.8	1.4 43	SOUTH OF MARIANA ISLANDS
09	08 26 39.4*	39.060 N	27.797 E	10 G		0.6 6	TURKEY. ML 2.8 (ISK).
09	08 30 57.6*	12.970 N	144.796 E	78 *	4.7	1.1 26	SOUTH OF MARIANA ISLANDS
09	08 56 30.4?	39.69 N	29.48 E	10 G		0.5 4	TURKEY. ML 2.7 (ISK).
09	08 58 59.7?	39.12 N	27.64 E	10 G		0.4 4	TURKEY. ML 2.6 (ISK).
09	09 07 36.0*	63.091 N	150.954 W	127		56	CENTRAL ALASKA. <AEIC>.
09	09 12 54.8*	18.069 S	165.820 E	33 N	4.4	0.6 7	VANUATU ISLANDS REGION
09	09 15 16.5	13.381 N	145.663 E	61 D	5.3 5.5	1.1 182	MARIANA ISLANDS. Mw 5.7 (HRV). Ms 5.4 (BRK).
09	09 24 38.2	40.972 N	22.737 E	5 G		0.5 9	GREECE. ML 2.1 (SKO).
09	09 33 13.6*	39.141 N	27.698 E	10 G		0.2 5	TURKEY. ML 2.8 (ISK).
09	09 48 07.0*	50.481 N	18.874 E	10 G		0.8 8	POLAND. ML 3.4 (WAR).
09	09 58 07.9*	39.096 N	27.568 E	10 G		0.8 5	TURKEY. ML 2.7 (ISK).
09	10 08 36.5	12.816 N	144.422 E	35 D	4.8	1.0 24	SOUTH OF MARIANA ISLANDS
09	10 38 47.1*	46.185 N	122.174 W	1		7	WASHINGTON. <SEA-P>. MD 2.6 (SEA).
09	10 41 24.6*	60.041 N	153.411 W	133		42	SOUTHERN ALASKA. <AEIC>.
09	10 53 39.8	13.275 N	145.128 E	70 *	5.0	1.1 60	MARIANA ISLANDS
09	10 59 37.5	43.425 N	7.264 E	10 G		0.4 18	NEAR SOUTH COAST OF FRANCE. ML 2.3 (GEN), 2.1 (LDG).
09	11 15 23.0*	32.615 S	71.639 W	29		1.1 14	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
09	11 24 03.2*	17.557 N	94.659 W	33 N		1.2 6	CHIAPAS, MEXICO
f 09	11 38 30.5	36.436 N	70.711 E	204 G	5.8	1.0 628	HINDU KUSH REGION, AFGHANISTAN. Mw 6.4 (GS), 6.3 (HRV). Felt in northern Pakistan. Depth from broadband displacement seismograms.
09	11 57 08.7?	39.49 N	29.67 E	10 G		0.7 4	TURKEY. ML 2.5 (ISK).
09	12 08 10.6*	39.118 N	27.674 E	10 G		0.2 6	TURKEY. ML 2.7 (ISK).
09	12 34 39.7*	61.198 N	151.240 W	58		61	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
09	12 40 34.6*	13.173 N	145.016 E	64 *	4.5	0.8 13	MARIANA ISLANDS
f 09	12 42 48.1	36.379 N	70.868 E	215 G	6.2	1.2 601	HINDU KUSH REGION, AFGHANISTAN. Mw 7.0 (GS), 7.0 (HRV). Mo=5.0*10**19 Nm (PPT). Felt in northern and eastern Pakistan as far south as Multan. Felt at Delhi and other parts of northern India. Felt in eastern Jammu and Kashmir. Also felt (III) at Dushanbe, Tajikistan. Two events about 2.8 seconds apart. Depth from broadband displacement seismograms, based on second event.
09	13 12 39.3	12.885 N	144.929 E	52 *	5.0	1.0 32	SOUTH OF MARIANA ISLANDS
09	13 24 37.3*	59.311 N	152.500 W	70		46	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
09	14 16 06.4*	13.182 N	145.124 E	63 ?	4.6	1.5 21	MARIANA ISLANDS
09	14 28 15.2*	12.966 N	144.939 E	49 *	4.9	1.2 35	SOUTH OF MARIANA ISLANDS
09	14 37 59.9*	41.037 N	28.678 E	5 G		0.2 6	TURKEY. ML 2.7 (ISK).
09	14 51 59.7	12.954 N	144.853 E	51 *	5.0 4.9	1.2 62	SOUTH OF MARIANA ISLANDS
09	14 59 27.7?	39.53 N	29.58 E	10 G		0.1 4	TURKEY. ML 2.6 (ISK).
09	15 58 34.5*	61.195 N	151.237 W	58		50	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
09	16 10 51.9?	39.89 N	27.48 E	5 G		0.4 4	TURKEY. ML 2.7 (ISK).
09	16 19 47.8*	13.297 N	145.004 E	10 G	4.7	1.2 15	MARIANA ISLANDS
09	16 36 07.8	45.978 N	11.299 E	10 G		1.0 55	NORTHERN ITALY. ML 3.4 (VIE), 3.0 (LDG). MD 2.9 (TRI).
09	16 51 03.8	44.251 N	8.239 E	10 G		0.4 14	NORTHERN ITALY. ML 2.6 (GEN), 2.4 (LDG).
09	17 25 38.4	44.224 N	8.271 E	10 G		0.7 28	NORTHERN ITALY. ML 3.2 (GEN), 3.2 (LDG).
09	17 37 33.8	44.220 N	8.303 E	12		0.9 32	NORTHERN ITALY. ML 3.5 (LDG), 3.1 (GEN).
09	19 01 57.5?	13.04 N	144.83 E	92 *	4.7	1.3 21	MARIANA ISLANDS
09	19 17 44.7?	31.39 S	69.53 W	154 ?		0.5 6	SAN JUAN PROVINCE, ARGENTINA
09	19 36 34.8*	44.227 N	8.277 E	10 G		0.2 7	NORTHERN ITALY. ML 2.1 (GEN).
09	19 43 00.4*	37.730 N	21.220 E	33 N		1.3 8	SOUTHERN GREECE. ML 3.2 (ATH).
09	20 05 16.9*	44.297 N	8.213 E	5 G		0.5 7	NORTHERN ITALY. ML 1.4 (GEN).
09	20 06 39.2*	44.223 N	8.260 E	10 G		0.3 7	NORTHERN ITALY. ML 2.1 (GEN).
09	20 07 54.4*	44.258 N	8.244 E	10 G		0.3 7	NORTHERN ITALY. ML 1.5 (GEN).
09	20 15 08.7*	33.901 N	141.536 E	33 N	4.4	1.1 17	OFF EAST COAST OF HONSHU, JAPAN
09	21 12 49.0?	31.30 S	68.27 W	100 G		0.2 6	SAN JUAN PROVINCE, ARGENTINA
09	21 53 13.6?	13.05 N	148.58 E	10 G	4.7	1.5 10	MARIANA ISLANDS REGION

09	22	13	36.3	11.200 N	62.252 W	164 *	0.6	19	WINDWARD ISLANDS. MD 3.8 (TRN).
09	22	26	54.2	35.431 N	27.422 E	33 N 3.7	1.4	16	DODECANESE ISLANDS. ML 3.9 (CSS).
09	23	00	10.0*	42.391 N	2.408 E	10 G	1.2	9	PYRENEES. ML 2.7 (LDG). mbLg 2.4 (MDD).
09	23	28	59.0*	45.50 N	15.17 E	5 G	0.7	4	NORTHWESTERN BALKAN REGION. MD 2.4 (LJU).
10	00	38	36.4	38.334 N	28.079 E	10 G	0.6	14	TURKEY. ML 3.4 (ISK).
f 10	00	51	63.2	45.277 S	166.927 E	28 G 6.2 7.0	1.1	420	OFF W. COAST OF S. ISLAND, N.Z. Mw 7.0 (GS), 7.0 (HRV). Mo=4.0*10**19 Nm (PPT). Felt (VI) on South Island within 150 km of the epicenter. Power outages reported in the Te Anau area. Felt throughout South Island and in southern North Island. Also felt at Sydney, Australia. Depth from broadband displacement seismograms.
10	01	14	12.2	39.563 N	17.126 E	10 G 4.2	1.1	81	SOUTHERN ITALY. ML 4.0 (TIR).
10	02	11	50.2	45.458 N	14.447 E	10 G	0.7	7	NORTHWESTERN BALKAN REGION. MD 2.5 (LJU).
10	02	35	33.4*	45.39 S	166.67 E	33 N 4.6	1.3	12	OFF W. COAST OF S. ISLAND, N.Z.
10	02	59	59.1*	37.650 N	2.602 W	10 G	0.9	5	SPAIN. mbLg 2.6 (MDD).
10	03	13	34.8*	40.792 N	28.121 E	10 G	0.7	11	TURKEY. ML 3.1 (ISK).
10	03	13	44.3*	13.33 N	144.54 E	77 ? 4.3	1.0	5	MARIANA ISLANDS
10	04	17	13.4	44.963 N	7.050 E	10 G	0.4	9	NORTHERN ITALY. ML 2.3 (GEN).
10	04	38	52.1	29.826 S	66.823 W	33 N	0.8	10	LA RIOJA PROVINCE, ARGENTINA
10	05	01	53.8*	40.814 N	28.073 E	10 G	0.7	11	TURKEY. ML 3.0 (ISK).
10	05	06	23.3*	40.824 N	28.087 E	10 G	0.4	6	TURKEY. ML 2.7 (ISK).
10	05	10	15.3*	13.304 N	145.552 E	72 * 4.5	1.0	23	MARIANA ISLANDS
10	05	46	46.7	13.215 N	145.609 E	78 * 5.1	1.1	69	MARIANA ISLANDS
10	05	58	04.5*	59.037 N	145.136 W	10 G		38	GULF OF ALASKA. <AEIC>. ML 3.4 (AEIC).
10	05	58	22.0	40.201 N	22.978 E	15 4.6	1.2	129	GREECE. ML 4.6 (ATH), 4.5 (THE), 4.4 (TIR). Felt strongly along the western coast of the Chalkidhiki Peninsula. Felt in the Thessaloniki-Larisa-Volos area. Also felt (III) in parts of southwestern Bulgaria.
10	06	09	08.3*	40.275 N	23.075 E	10 G.	0.9	7	GREECE
10	06	13	06.0*	40.288 N	23.064 E	10 G	0.7	6	GREECE
10	06	18	14.1*	40.281 N	23.091 E	10 G	0.7	9	GREECE. ML 2.2 (THE).
10	06	33	38.7*	40.271 N	22.966 E	5 G	0.3	5	GREECE
10	06	46	21.8*	24.987 N	102.069 E	10 G 4.5	1.3	12	YUNNAN, CHINA
10	06	53	44.6*	39.113 N	27.670 E	10 G	0.5	5	TURKEY. ML 2.7 (ISK).
10	06	58	16.6*	40.245 N	23.020 E	5 G	0.7	6	GREECE
10	07	07	21.8*	40.240 N	22.992 E	5 G	0.3	7	GREECE
10	07	17	27.6*	45.208 S	166.689 E	23 D 4.8	1.3	32	OFF W. COAST OF S. ISLAND, N.Z.
10	07	34	26.4*	40.263 N	23.080 E	10 G	0.4	5	GREECE
10	07	37	55.5	19.354 N	64.886 W	37 * 4.5	1.1	74	VIRGIN ISLANDS
10	07	52	53.8	40.250 N	23.053 E	5 G	0.5	8	GREECE. ML 2.2 (THE).
10	07	55	29.4	11.593 N	61.251 W	33 N	0.9	21	WINDWARD ISLANDS. MD 4.0 (TRN).
10	07	58	20.5*	40.220 N	22.982 E	10 G	0.4	6	GREECE
10	08	01	52.7	11.612 N	61.262 W	10 G	0.9	12	WINDWARD ISLANDS. MD 3.5 (TRN).
10	08	14	58.6*	40.220 N	22.907 E	5 G	0.6	6	GREECE
10	08	16	18.3*	39.096 N	27.590 E	10 G	0.6	5	TURKEY. ML 2.7 (ISK).
10	08	23	56.3*	39.075 N	27.640 E	10 G	0.5	5	TURKEY. ML 2.8 (ISK).
a 10	08	53	18.5	12.998 N	144.848 E	43 D 5.4 5.1	1.1	198	SOUTH OF MARIANA ISLANDS. Mw 5.4 (HRV). Ms 4.9 (BRK).
10	08	54	05.2*	44.230 N	8.271 E	10 G	0.2	7	NORTHERN ITALY. ML 2.1 (GEN).
10	08	55	18.9*	44.264 N	8.256 E	10 G	0.6	7	NORTHERN ITALY. ML 1.4 (GEN).
10	09	06	57.5*	44.225 N	8.264 E	10 G	0.3	7	NORTHERN ITALY. ML 2.0 (GEN).
10	09	11	10.9*	40.234 N	23.052 E	10 G	0.7	6	GREECE
10	09	18	19.4*	60.488 N	152.943 W	128		87	SOUTHERN ALASKA. <AEIC>.
10	09	33	06.6*	39.099 N	27.616 E	10 G	0.3	6	TURKEY. ML 2.7 (ISK).
10	09	39	18.4*	40.244 N	22.991 E	5 G	0.2	5	GREECE
10	09	43	34.4*	31.643 S	68.668 W	10 G	1.1	5	SAN JUAN PROVINCE, ARGENTINA
10	09	44	56.4*	39.082 N	27.612 E	10 G	0.4	5	TURKEY. ML 2.6 (ISK).
a 10	09	46	35.3	38.520 S	177.553 E	14 G 6.0 6.0	1.1	280	NORTH ISLAND, NEW ZEALAND. Mw 6.4 (HRV). ML 6.5 (WEL). Mo=5.4*10**18 Nm (PPT). Some damage (VII) at Gisborne. Felt (VII) within 100 km of the epicenter. Felt in central and southern North Island. Depth from broadband displacement seismograms.
10	10	01	48.2*	40.205 N	22.965 E	10 G	0.3	6	GREECE
10	10	51	25.1*	44.251 N	8.255 E	10 G	0.3	7	NORTHERN ITALY. ML 1.8 (GEN).
10	10	58	52.0*	40.198 N	23.003 E	5 G	0.5	5	GREECE
10	11	43	45.2	2.321 S	133.572 E	33 N 4.6 4.6	1.4	22	IRIAN JAYA REGION, INDONESIA
10	11	59	22.6*	39.230 N	27.754 E	10 G	1.0	6	TURKEY. ML 2.8 (ISK).
10	12	04	49.7*	63.102 N	148.485 W	77		90	CENTRAL ALASKA. <AEIC>.
10	12	11	13.2*	40.219 N	22.971 E	5 G	0.4	6	GREECE
10	12	11	38.3*	38.82 N	28.06 E	10 G	0.7	4	TURKEY. ML 2.7 (ISK).
10	12	19	03.2*	59.183 N	152.341 W	85		49	SOUTHERN ALASKA. <AEIC>.
10	12	19	11.6*	13.218 N	145.066 E	73 * 4.7	1.3	22	MARIANA ISLANDS
10	12	24	53.4*	39.020 N	27.639 E	10 G	0.3	5	TURKEY. ML 2.7 (ISK).
10	12	55	19.2*	40.240 N	22.997 E	5 G	0.4	6	GREECE
10	13	06	57.8	40.236 N	23.047 E	5 G	0.5	11	GREECE. MD 3.1 (ATH). ML 2.7 (THE).
10	13	16	29.8*	40.276 N	22.897 E	33 N	1.0	6	GREECE
10	13	18	10.9*	24.170 N	121.798 E	10 G 4.0	1.4	9	TAIWAN. ML 4.2 (BJI).
10	13	29	09.1*	40.23 N	23.00 E	5 G	0.5	4	GREECE
10	13	36	20.6*	45.381 S	166.182 E	33 N 4.3	1.2	13	OFF W. COAST OF S. ISLAND, N.Z.
10	13	41	59.9*	40.02 N	28.96 E	10 G	0.9	4	TURKEY. ML 2.7 (ISK).
10	13	45	13.4*	40.256 N	25.270 E	5 G	0.4	7	AEGEAN SEA
10	13	47	37.4*	14.828 N	60.362 W	61 ?	0.2	11	WINDWARD ISLANDS. MD 3.1 (TRN).
10	13	57	45.9*	40.270 N	23.042 E	5 G	0.5	7	GREECE. ML 2.5 (THE).
10	14	30	40.4*	40.206 N	23.016 E	10 G	0.8	6	GREECE
10	14	45	03.8*	39.689 N	29.447 E	10 G	0.8	6	TURKEY. ML 2.6 (ISK).
10	15	56	13.7*	12.479 N	144.065 E	46 D 4.6 4.2	1.4	20	SOUTH OF MARIANA ISLANDS
10	15	57	10.4	40.273 N	23.031 E	5 G	0.5	9	GREECE
10	16	13	25.0*	44.221 N	8.279 E	10 G	0.2	9	NORTHERN ITALY. ML 2.3 (GEN).
10	16	39	01.3*	47.27 N	11.26 E	10 G	0.2	4	AUSTRIA. ML 1.3 (VIE).
10	16	45	14.3	39.574 N	19.831 E	33 N 3.8	1.3	15	GREECE-ALBANIA BORDER REGION. ML 3.2 (TIR). MD 3.3 (ATH).
10	16	53	10.6*	40.260 N	22.962 E	5 G	0.7	7	GREECE
10	17	01	39.9*	60.503 N	5.004 E	10 G	1.1	5	SOUTHERN NORWAY. MD 1.5 (BER).

10	17 04 46.6*	38.219 N	26.832 W	10 G	4.5	0.5	5	AZORES ISLANDS. Felt (IV) on Terceira at Angra do Heroísmo, Sao Bartolomeu, Ribeirinha, Santa Barbara, Feteira, Porto Judeu and Praia da Vitoria.
10	17 26 48.3	40.289 N	23.056 E	5 G		0.3	8	GREECE
10	17 28 41.5*	32.203 S	71.995 W	33 N		0.8	12	NEAR COAST OF CENTRAL CHILE
10	17 44 09.9*	44.615 N	9.352 E	10 G		0.9	11	NORTHERN ITALY
10	17 49 32.1*	60.303 N	138.372 W	10 G		0.5	11	SOUTHERN YUKON TERRITORY, CANADA. ML 2.5 (AEIC).
10	18 12 41.3*	29.913 S	66.852 W	33 N		0.7	7	LA RIOJA PROVINCE, ARGENTINA
10	18 32 44.3*	60.242 N	152.611 W	98			80	SOUTHERN ALASKA. <AEIC>.
a 10	19 36 20.7	83.066 N	27.533 W	10 G	5.4 5.0	1.1	399	NEAR NORTH COAST OF GREENLAND. Mw 5.6 (HRV). Ms 5.4 (BRK).
10	19 42 39.1*	41.034 N	125.356 W	18			6	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).
10	21 08 15.9*	83.037 N	28.383 W	10 G	4.4	0.9	16	NEAR NORTH COAST OF GREENLAND
10	22 05 40.7	33.269 S	70.447 W	10 G		1.1	11	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
10	22 13 32.9*	38.077 N	29.149 E	10 G		0.9	6	TURKEY. ML 3.0 (ISK).
10	22 40 05.5*	34.249 N	116.430 W	3			8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS). Felt.
10	22 56 18.1*	40.265 N	23.056 E	5 G		0.4	8	GREECE
10	23 07 55.9*	14.300 N	61.232 W	10 G		0.6	6	WINDWARD ISLANDS. ML 2.3 (FDF).
10	23 12 31.8*	34.247 N	116.430 W	3			6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
10	23 17 20.0*	17.185 N	94.696 W	33 N		1.1	6	CHIAPAS, MEXICO
10	23 26 49.6	32.367 S	70.302 W	100 G		1.0	16	CHILE-ARGENTINA BORDER REGION. MD 3.9 (SAN).
10	23 30 41.3*	13.16 N	144.94 E	41 ?	4.5	1.4	14	MARIANA ISLANDS
11	00 01 13.7*	59.849 N	153.340 W	119			35	SOUTHERN ALASKA. <AEIC>.
11	00 08 11.9*	40.222 N	22.966 E	5 G		0.3	8	GREECE. ML 1.8 (THE).
11	00 33 30.2*	13.51 N	143.76 E	33 N	4.4	1.7	11	SOUTH OF MARIANA ISLANDS
11	00 43 43.8	40.272 N	23.046 E	5 G		0.6	11	GREECE. ML 2.3 (THE).
11	00 45 25.3	58.041 N	143.935 W	10 G		0.6	54	GULF OF ALASKA. ML 2.9 (AEIC), 3.1 (PGC).
11	00 45 43.8*	38.942 N	27.883 E	10 G		0.6	7	TURKEY. ML 2.9 (ISK).
11	00 46 42.9*	28.92 S	65.68 W	33 N		1.2	4	SANTIAGO DEL ESTERO PROV., ARG.
11	01 07 33.7*	23.658 N	100.284 E	10 G	4.2	1.2	11	YUNNAN, CHINA
11	01 10 41.2*	38.797 N	122.735 W	2			41	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM). ML 3.2 (BRK), 3.0 (GS).
11	01 36 47.7	2.425 S	12.362 W	10 G	5.0 4.7	1.1	107	NORTH OF ASCENSION ISLAND
11	01 37 43.3*	40.250 N	23.054 E	5 G		0.4	7	GREECE. ML 1.8 (THE).
11	01 50 04.0*	32.09 S	68.64 W	10 G		0.9	4	MENDOZA PROVINCE, ARGENTINA
11	01 50 06.5*	13.07 N	144.91 E	33 N	4.3	1.4	9	MARIANA ISLANDS
11	02 34 23.5*	13.14 N	144.99 E	84 ?	4.2	0.6	7	MARIANA ISLANDS
11	02 42 40.3*	10.68 N	62.30 W	10 G		0.2	4	NEAR COAST OF VENEZUELA. MD 3.3 (TRN).
11	02 52 06.0*	34.100 N	116.415 W	6 G			5	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.5 (PAS). Felt.
11	03 12 33.5*	2.059 S	12.307 W	10 G	4.7	1.1	14	NORTH OF ASCENSION ISLAND
11	03 27 24.3*	59.297 N	153.368 W	98			59	SOUTHERN ALASKA. <AEIC>.
11	03 43 49.1*	45.192 S	166.659 E	22 D	4.9 4.5	1.1	24	OFF W. COAST OF S. ISLAND, N.Z.
a 11	03 56 06.9*	39.715 N	20.454 E	33 N		0.9	7	GREECE-ALBANIA BORDER REGION. ML 2.7 (THE).
11	04 09 12.5	45.209 S	166.857 E	28 D	5.5 5.2	1.2	114	OFF W. COAST OF S. ISLAND, N.Z. Mw 5.6 (HRV).
11	04 13 00.3*	39.330 N	27.655 E	10 G		0.2	8	TURKEY. ML 2.9 (ISK).
11	04 26 09.9*	2.274 S	12.410 W	10 G	5.0	1.0	20	NORTH OF ASCENSION ISLAND
11	04 33 13.4*	31.22 S	68.42 W	104 ?		0.8	5	SAN JUAN PROVINCE, ARGENTINA
11	04 40 15.8*	51.54 N	16.25 E	10 G		0.6	10	POLAND. ML 3.8 (VIE), 3.6 (GRF).
11	04 51 02.0*	31.75 S	68.10 W	10 G		0.4	4	SAN JUAN PROVINCE, ARGENTINA
11	05 24 26.8*	59.170 N	153.993 W	113			30	SOUTHERN ALASKA. <AEIC>.
11	05 30 10.8*	40.274 N	23.026 E	5 G		0.3	6	GREECE. ML 2.1 (THE).
11	05 48 20.9*	37.527 N	118.885 W	5	4.1		63	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 4.5 (GM). ML 4.7 (BRK). Felt (IV) at June Lake, California. Felt (III) at Auberry, Oakhurst and Reedley, California.
11	05 48 28.5*	37.48 N	30.02 E	10 G		1.0	4	TURKEY. ML 3.3 (ISK).
11	05 56 44.0*	46.746 N	1.650 W	10 G		1.0	14	FRANCE. ML 2.7 (LDG).
11	06 11 14.5	41.198 N	7.619 W	10 G		1.2	23	PORTUGAL. mbLg 3.6 (MDD).
11	06 11 44.8*	13.38 N	144.31 E	33 N	4.4	0.9	10	MARIANA ISLANDS
11	06 16 40.1	40.255 N	23.081 E	10 G		1.0	28	GREECE. ML 3.7 (TIR), 3.5 (THE). MD 3.6 (ATH).
11	06 21 27.7*	40.188 N	22.977 E	10 G		0.8	7	GREECE. ML 2.0 (THE).
11	06 22 38.7*	40.268 N	23.110 E	10 G		0.3	6	GREECE
11	06 24 27.4*	37.530 N	118.881 W	5			20	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
11	06 47 52.6*	40.300 N	23.060 E	10 G		0.6	6	GREECE. ML 1.7 (THE).
11	06 49 26.1*	40.94 N	24.02 E	10 G		0.2	4	AEGEAN SEA. ML 2.0 (THE).
11	07 14 56.1*	37.62 N	20.68 E	10 G		1.5	6	IONIAN SEA. MD 3.5 (ATH).
11	07 25 03.5*	13.145 N	145.173 E	33 N	4.7	1.6	19	MARIANA ISLANDS
11	07 45 38.5*	31.394 S	67.886 W	100 G		0.1	5	SAN JUAN PROVINCE, ARGENTINA
11	07 51 45.9*	44.255 N	8.235 E	5 G		0.4	8	NORTHERN ITALY. ML 1.9 (GEN).
11	07 59 42.4*	44.284 N	8.232 E	5 G		0.4	7	NORTHERN ITALY. ML 1.8 (GEN).
11	08 09 52.4	40.535 N	21.852 E	10 G		1.2	9	GREECE. ML 2.0 (THE).
11	08 51 20.4*	32.02 N	8.59 W	10 G		0.8	4	MOROCCO. MG 1.9 (RTC).
11	09 31 48.7*	38.27 N	20.51 E	5 G		1.6	4	GREECE. MD 3.3 (ATH).
11	09 35 53.1*	39.57 N	30.06 E	10 G		0.9	4	TURKEY. ML 2.7 (ISK).
11	10 02 17.9*	42.467 N	19.471 E	10 G		0.2	9	NORTHWESTERN BALKAN REGION
11	10 04 07.3*	39.749 N	23.722 E	10 G		0.4	6	AEGEAN SEA. ML 2.3 (THE).
11	10 17 32.1*	33.15 S	71.84 W	10		0.8	15	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
11	11 14 36.3	2.919 N	126.445 E	33 N	5.1 4.4	1.0	98	NORTHERN MOLUCCA SEA
11	11 31 34.0*	40.99 N	28.85 E	10 G		0.5	4	TURKEY. ML 2.7 (ISK).
11	11 44 35.1*	39.16 N	27.51 E	5 G		0.4	4	TURKEY. ML 2.7 (ISK).
11	11 48 26.2*	36.913 N	2.523 W	10 G		1.2	8	STRAIT OF GIBRALTAR. mbLg 3.1 (MDD).
11	11 57 04.5*	39.090 N	27.593 E	10 G		0.3	5	TURKEY. ML 2.7 (ISK).
11	12 51 43.3*	24.16 N	127.33 E	33 N	4.7	1.0	13	SOUTHEAST OF RYUKYU ISLANDS
11	13 19 32.7*	35.216 S	70.956 W	98		0.5	19	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).
11	13 54 43.2*	55.94 S	26.60 W	33 N	4.8	1.3	9	SOUTH SANDWICH ISLANDS REGION
f 11	14 17 37.7	13.178 N	145.651 E	22 G	5.9 6.1	1.3	333	MARIANA ISLANDS. Mw 6.2 (GS), 6.0 (HRV). Ms 6.1 (BRK). Mo=1.1*10**18 Nm (PPT). Felt on Guam. Depth from broadband displacement seismograms.
11	14 21 56.6*	39.727 N	29.525 E	5 G		0.9	5	TURKEY. ML 2.6 (ISK).
11	14 42 41.9	13.215 N	145.702 E	28 D	5.2	1.0	150	MARIANA ISLANDS
11	14 46 11.7	37.864 N	14.517 E	10 G		0.7	13	SICILY. MD 3.2 (ROM).
11	15 02 07.0	59.047 N	136.339 W	10 G		1.1	11	SOUTHEASTERN ALASKA. ML 3.6 (PGC), 2.9 (AEIC).
11	15 09 59.9*	13.152 N	145.057 E	81	4.7	0.9	18	MARIANA ISLANDS
11	15 25 17.6*	6.779 S	147.292 E	98 *	4.2	1.4	16	EASTERN NEW GUINEA REG., P.N.G.

11	15	36	00.5%	38.187 N	28.090 E	10 G	0.4	6	TURKEY. ML 2.9 (ISK).	
11	16	05	18.6?	28.98 S	66.79 W	33 N	0.8	4	CATAMARCA PROVINCE, ARGENTINA	
11	16	13	44.1%	34.178 N	116.430 W	5		9	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).	
11	16	16	08.6	40.366 N	126.265 W	10 G	0.5	68	OFF COAST OF NORTHERN CALIFORNIA. MD 3.4 (GM).	
11	17	11	34.7	3.527 S	29.360 E	21 D	4.8	0.7	54 LAKE TANGANYIKA REGION	
11	17	12	43.0	41.568 N	20.503 E	10 G		1.3	28 ALBANIA. ML 3.1 (TIR), 2.6 (THE).	
11	17	31	33.3?	7.12 S	155.54 E	33 N	4.5	1.1	12 SOLOMON ISLANDS	
11	17	56	27.7	44.255 N	8.253 E	5 G		0.9	12 NORTHERN ITALY. ML 2.0 (GEN), 2.0 (LDG).	
11	18	58	56.7*	13.088 N	145.461 E	33 N	4.6	1.5	22 MARIANA ISLANDS. Felt on Guam.	
11	19	02	57.4	32.213 S	68.239 W	132 ?		0.9	17 MENDOZA PROVINCE, ARGENTINA. MD 3.9 (SAN).	
11	19	14	13.2%	19.468 S	126.726 E	10 G		1.6	9 WESTERN AUSTRALIA	
11	19	16	29.0%	44.271 N	8.219 E	5 G		0.3	6 NORTHERN ITALY. ML 1.8 (GEN).	
11	19	19	31.3%	44.249 N	8.239 E	5 G		0.5	7 NORTHERN ITALY. ML 1.5 (GEN).	
11	20	26	53.3?	13.49 N	144.50 E	72 ?	4.2	0.8	10 MARIANA ISLANDS	
11	20	32	51.7	44.250 N	8.229 E	5 G		0.4	13 NORTHERN ITALY. ML 2.5 (GEN), 2.1 (LDG).	
11	21	52	18.8	40.505 N	21.247 E	10 G		1.1	14 GREECE. ML 2.9 (THE), 2.8 (TIR).	
11	21	53	47.1*	17.751 S	69.006 W	177	4.8	0.9	13 PERU-BOLIVIA BORDER REGION	
11	21	59	26.0%	46.740 N	6.748 E	10 G		0.5	5 SWITZERLAND. ML 2.1 (LDG).	
11	22	05	42.8%	40.231 N	23.022 E	5 G		0.4	6 GREECE. ML 2.0 (THE).	
a	11	22	08	49.2*	45.328 S	166.666 E	33 N	4.8 4.9	1.7	20 OFF W. COAST OF S. ISLAND, N.Z. Mw 5.2 (HRV).
11	22	33	04.0%	37.313 N	121.675 W	10	4.6 4.5	119	CENTRAL CALIFORNIA. <GM-P>. MD 4.9 (GM). ML 4.8 (GS), 4.7 (BRK). Felt (V) at Los Banos, Morgan Hill, San Jose and Santa Cruz; (IV) at Capitola, Fort Ord, Freedom, Marina, Milpitas, Monterey, Mount Hamilton, Mount Hermon, New Almaden, San Martin and Watsonville; (III) at Aptos, Ben Lomond, Berkeley, Big Sur, Fremont, Hollister, Patterson, Salinas and Saratoga; (II) at Atwater and Sacramento. Felt throughout the San Francisco Bay area and from Fresno to Santa Rosa.	
11	22	59	01.9%	44.097 N	8.350 E	5 G		0.7	7 NORTHERN ITALY. ML 1.8 (GEN).	
11	23	16	48.6?	4.33 N	95.13 E	33 N	4.4	0.8	10 NORTHERN SUMATERA, INDONESIA	
a	12	00	29	33.3*	39.294 N	106.505 E	10 G	4.4	1.1	14 WESTERN NEI MONGOL, CHINA. ML 4.8 (BJI).
12	01	00	34.3	12.744 S	166.518 E	35 D	5.3 5.3	1.3	112 SANTA CRUZ ISLANDS. Mw 5.8 (HRV). Ms 5.4 (BRK).	
12	01	02	16.1	42.029 N	139.853 E	33 N	4.2	1.5	19 HOKKAIDO, JAPAN REGION. Felt (III JMA) on Okushiri; (II JMA) at Esashi and Mori; (I JMA) at Hakodate, Hokkaido. Also felt (I JMA) at Fukaura, Honshu.	
12	01	57	45.1%	62.017 N	150.340 W	7		73	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.2 (PMR).	
12	02	35	41.9?	32.05 S	68.45 W	100 G		0.3	4 MENDOZA PROVINCE, ARGENTINA	
12	02	59	43.4*	12.972 N	145.848 E	33 N	4.6	1.1	11 SOUTH OF MARIANA ISLANDS	
12	03	26	04.0%	38.050 N	14.076 E	10 G		1.1	6 SICILY	
12	03	31	41.6%	37.534 N	118.894 W	1		34	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).	
12	03	45	41.2*	13.023 N	145.828 E	33 N	4.3	1.0	8 MARIANA ISLANDS	
12	04	18	16.4?	38.25 N	28.15 E	10 G		0.4	4 TURKEY. ML 2.8 (ISK).	
12	04	21	27.3*	42.101 N	144.011 E	33 N	4.4	1.3	11 HOKKAIDO, JAPAN REGION	
12	04	43	03.3	26.645 N	49.809 W	10 G	4.9	1.0	116 NORTH ATLANTIC OCEAN	
12	05	28	38.2	32.991 S	70.074 W	117 *		0.9	21 CHILE-ARGENTINA BORDER REGION. MD 4.4 (SAN).	
12	05	50	30.9	44.208 N	8.303 E	5 G		0.8	27 NORTHERN ITALY. ML 2.8 (LDG), 2.6 (GEN).	
12	05	52	52.2%	44.257 N	8.223 E	5 G		0.4	6 NORTHERN ITALY. ML 1.9 (GEN).	
12	06	23	03.6*	12.632 N	145.012 E	33 N	4.4	1.4	17 SOUTH OF MARIANA ISLANDS	
12	06	34	37.2%	44.270 N	8.265 E	5 G		0.7	5 NORTHERN ITALY. ML 1.8 (GEN).	
12	07	35	43.8%	34.570 N	116.429 W	1		10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).	
12	08	01	37.9%	39.101 N	27.697 E	10 G		0.6	5 TURKEY. ML 2.8 (ISK).	
12	08	10	08.3%	39.095 N	27.519 E	10 G		0.8	6 TURKEY. ML 2.9 (ISK).	
12	08	25	41.1*	9.307 S	119.182 E	33 N		0.7	6 SUMBA REGION, INDONESIA	
12	08	41	29.7	40.517 N	21.866 E	10 G		0.3	7 GREECE. ML 2.4 (THE).	
12	09	13	18.3%	39.203 N	27.964 E	10 G		0.6	5 TURKEY. ML 2.7 (ISK).	
12	09	16	26.7?	39.83 N	29.48 E	10 G		0.2	4 TURKEY. ML 2.5 (ISK).	
12	09	30	46.4?	39.53 N	29.52 E	10 G		1.3	5 TURKEY. ML 2.6 (ISK).	
12	09	37	15.3	13.174 N	145.446 E	38 D	5.3 4.7	1.3	156 MARIANA ISLANDS. Felt on Guam.	
12	09	40	50.7%	39.058 N	27.638 E	10 G		0.4	5 TURKEY. ML 2.7 (ISK).	
12	09	41	59.0%	37.541 N	118.879 W	6		35	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.2 (BRK).	
12	09	42	35.3?	39.93 N	29.41 E	10 G		0.5	4 TURKEY. ML 2.6 (ISK).	
12	09	48	11.9	48.224 N	154.670 E	35 D	4.9 4.5	1.1	60 KURIL ISLANDS	
12	10	15	16.4?	23.65 S	71.27 W	33 N		1.5	13 OFF COAST OF NORTHERN CHILE. Felt (III) at Antofagasta.	
12	10	28	26.6?	12.81 N	145.37 E	33 N	4.5	1.4	7 SOUTH OF MARIANA ISLANDS	
12	10	28	48.6%	20.091 N	156.041 W	55			16 HAWAII. <HVO-P>. MD 3.7 (HVO). Felt (IV) at Papaaloa; (III) at Holualoa and Pahala; (II) at Ninole. Also felt at Hawi, Hawaiian Ocean View Estates, Kawaihae, Mauna Kea Observatory, Waikoloa and Waimea. Felt (II) at Hana, Maui.	
12	10	30	01.0%	42.929 N	13.284 E	10 G		0.6	6 CENTRAL ITALY	
12	10	35	07.1*	12.975 N	145.527 E	33 N	4.5	1.7	13 SOUTH OF MARIANA ISLANDS	
12	11	05	07.7%	44.434 N	8.345 E	10 G		0.7	5 NORTHERN ITALY	
12	11	55	48.4%	39.076 N	27.617 E	10 G		0.6	5 TURKEY. ML 2.8 (ISK).	
12	12	55	58.4%	63.107 N	151.444 W	0		58	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC), 3.3 (PMR).	
12	13	06	51.7%	38.823 N	122.775 W	1		62	NORTHERN CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.3 (BRK), 3.1 (GS).	
12	13	43	11.5?	6.22 S	155.25 E	379 ?	4.2	0.7	6 SOLOMON ISLANDS	
12	13	53	23.3	39.147 N	21.857 E	10 G		1.1	13 GREECE. MD 3.3 (ATH). ML 2.9 (THE).	
12	14	04	37.3?	28.22 S	68.56 W	120 G		0.2	5 LA RIOJA PROVINCE, ARGENTINA	
12	14	28	47.0?	31.47 S	68.49 W	100 G		0.4	4 SAN JUAN PROVINCE, ARGENTINA	
12	14	39	04.0%	60.056 N	153.018 W	117		59	SOUTHERN ALASKA. <AEIC>.	
12	14	45	14.4?	38.07 N	20.51 E	5 G		1.5	6 GREECE. MD 3.3 (ATH).	
12	14	45	16.6%	36.447 N	120.200 W	16		28	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).	
12	16	19	06.0%	14.637 N	119.813 E	33 N		0.2	5 LUZON, PHILIPPINE ISLANDS	
12	16	21	51.0%	37.528 N	118.881 W	6		39	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.2 (GM). ML 3.3 (BRK).	
12	18	02	50.3	44.241 N	8.254 E	5 G		0.5	8 NORTHERN ITALY. ML 2.1 (GEN), 2.0 (LDG).	
12	18	03	57.5%	44.258 N	8.253 E	5 G		0.5	7 NORTHERN ITALY. ML 1.9 (GEN).	
a	12	18	49	05.4	51.999 N	176.071 W	46 D	5.1 4.3	1.0	125 ANDREANOF ISLANDS, ALEUTIAN IS. Mw 5.1 (HRV). Felt (IV) on Adak.

12	19 17 10.8%	30.613 S	69.238 W	120 G	0.1	5	CHILE-ARGENTINA BORDER REGION	
12	19 52 20.5%	37.531 N	118.877 W	6	28		CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.1 (BRK).	
12	19 56 43.7%	38.83 N	26.82 E	10 G	1.1	4	AEGEAN SEA. ML 2.8 (ISK).	
12	20 00 38.1%	31.862 S	68.283 W	100 G	0.6	6	SAN JUAN PROVINCE, ARGENTINA	
12	20 50 40.4%	32.140 S	117.415 E	10 G	0.9	6	WESTERN AUSTRALIA	
12	20 51 54.1%	39.41 N	15.36 E	10 G	0.6	4	SOUTHERN ITALY	
12	21 03 26.6%	31.809 S	68.134 W	100 G	0.4	8	SAN JUAN PROVINCE, ARGENTINA	
12	21 09 27.9%	39.356 N	28.679 E	10 G	0.6	12	TURKEY. ML 3.3 (ISK).	
12	22 00 48.7	44.510 N	6.794 E	5 G	0.6	19	FRANCE. ML 2.5 (GEN), 2.5 (LDG).	
12	22 04 14.8	44.530 N	6.780 E	5 G	0.5	13	FRANCE. ML 2.2 (GEN), 2.0 (LDG).	
12	22 14 32.4	39.634 N	27.918 E	10 G	1.2	14	TURKEY. ML 3.2 (ISK). MD 3.2 (ATH).	
12	22 54 44.5*	41.889 N	139.128 E	33 N	1.3	29	HOKKAIDO, JAPAN REGION	
13	00 26 52.4%	32.42 S	71.79 W	33 N	0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).	
13	00 31 43.1*	28.561 N	34.716 E	9 D	1.6	82	EGYPT. ML 5.0 (BHL). MD 4.6 (HLW).	
13	00 43 41.2	32.465 N	49.537 E	16 D	0.9	81	WESTERN IRAN. Felt at Izeh and Masjed-e Soleyman.	
13	01 09 55.9%	38.59 N	12.89 E	10 G	1.7	4	SICILY	
13	01 11 08.4%	29.17 N	34.67 E	10 G	1.3	29	EGYPT. ML 4.6 (BHL). MD 4.4 (HLW).	
13	01 19 21.1	44.507 N	6.755 E	5 G	0.3	26	FRANCE. ML 2.7 (GEN), 2.7 (LDG).	
13	01 28 53.4%	38.03 N	14.10 E	5 G	0.7	4	SICILY	
13	01 29 10.9	37.344 N	22.015 E	10 G	1.3	32	SOUTHERN GREECE. MD 3.7 (ATH). ML 3.4 (THE).	
13	01 36 48.1%	11.01 N	62.07 W	90 G	0.2	4	WINDWARD ISLANDS. MD 2.8 (TRN).	
13	01 44 00.9%	44.250 N	8.250 E	5 G	0.5	7	NORTHERN ITALY. ML 1.8 (GEN).	
13	01 50 21.9%	44.263 N	8.219 E	5 G	0.7	7	NORTHERN ITALY. ML 1.5 (GEN).	
13	02 58 15.0*	14.325 S	166.761 E	33 N	1.2	51	VANUATU ISLANDS	
13	03 20 18.5%	40.098 N	28.260 E	5 G	0.6	11	TURKEY. ML 3.2 (ISK).	
13	03 35 38.9%	67.003 N	155.976 W	31	4.4	104	NORTHERN ALASKA. <AEIC>. ML 4.3 (AEIC), 4.6 (PMR). Felt (IV) at Kobuk and (III) at Shungnak.	
13	04 07 13.3%	46.024 N	2.971 E	10 G	0.8	12	FRANCE. ML 2.4 (LDG).	
13	04 24 02.4%	36.970 N	121.462 W	5		12	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).	
13	04 31 57.8%	18.105 N	76.774 W	10 G	0.6	5	JAMAICA REGION. MD 2.5 (HOJ). Felt at Portland and Red Hills.	
13	04 36 14.0	43.953 N	6.882 E	10 G	0.6	10	NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG).	
13	05 03 49.6	42.820 N	18.650 E	10 G	1.2	93	NORTHWESTERN BALKAN REGION. MD 4.5 (TRI). ML 3.9 (ROM), 3.9 (TIR). Felt (VI) in the epicentral area; (V) at Niksic and Trebinje, Yugoslavia. Also felt at Dubrovnik, Croatia.	
13	05 06 04.9	40.327 N	25.852 E	10 G	0.5	13	AEGEAN SEA. ML 3.3 (ISK), 3.1 (THE).	
13	05 25 05.7*	28.784 S	72.508 W	21 *	4.0	1.1	19	OFF COAST OF CENTRAL CHILE
13	06 56 01.9%	17.41 N	100.54 W	33 N		0.5	4	GUERRERO, MEXICO
13	06 56 12.8%	43.525 N	11.713 E	10 G		0.3	6	CENTRAL ITALY
13	07 14 41.7*	12.908 N	145.543 E	33 N	4.5	1.7	22	SOUTH OF MARIANA ISLANDS
13	08 14 25.9*	16.651 S	173.569 W	47 D	4.9 4.5	1.0	47	TONGA ISLANDS
13	08 22 14.0*	38.068 N	23.208 E	10 G		1.0	7	GREECE. MD 3.6 (ATH).
13	08 25 28.8%	39.13 N	27.59 E	10 G		0.3	4	TURKEY. ML 2.7 (ISK).
13	08 36 44.5%	17.64 N	61.85 W	13 *		0.3	6	LEEWARD ISLANDS. MD 3.2 (TRN). ML 3.2 (FDF).
13	08 56 44.4%	39.05 N	27.63 E	10 G		0.2	4	TURKEY. ML 2.8 (ISK).
13	09 04 31.8%	39.051 N	27.899 E	10 G		0.6	5	TURKEY. ML 2.8 (ISK).
13	09 30 47.8%	39.75 N	29.32 E	10 G		0.4	4	TURKEY. ML 2.6 (ISK).
13	09 55 06.4%	39.613 N	29.483 E	5 G		0.3	5	TURKEY. ML 2.6 (ISK).
13	10 03 27.5%	58.581 N	155.255 W	129		20	ALASKA PENINSULA. <AEIC>.	
13	10 30 10.2%	41.04 N	28.43 E	10 G		0.1	4	TURKEY. ML 2.8 (ISK).
13	10 43 04.3%	44.290 N	8.542 E	10 G		0.7	7	NORTHERN ITALY
f 13	11 02 20.3	35.989 S	178.510 E	95 G	5.8	1.3	352	OFF E. COAST OF N. ISLAND, N.Z. Mw 6.3 (HRV). Mo=6.5*10**18 Nm (PPT). Depth from broadband displacement seismograms.
13	11 11 58.8%	33.238 N	116.210 W	9		5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).	
13	11 51 16.4%	39.029 N	27.598 E	10 G		0.6	5	TURKEY. ML 2.7 (ISK).
13	12 00 00.9%	39.24 N	27.62 E	10 G		1.1	4	TURKEY. ML 2.7 (ISK).
13	12 15 40.2%	60.064 N	153.128 W	112		74	SOUTHERN ALASKA. <AEIC>.	
13	12 34 28.7%	40.12 N	29.34 E	5 G		0.3	4	TURKEY. ML 2.4 (ISK).
13	12 57 29.0%	39.66 N	29.39 E	10 G		1.0	4	TURKEY. ML 2.6 (ISK).
13	13 28 20.7%	39.150 N	27.572 E	10 G		0.4	5	TURKEY
13	13 43 52.2%	39.559 N	29.868 E	10 G		1.2	5	TURKEY
13	14 32 18.5%	18.08 N	76.71 W	10 G		0.4	6	JAMAICA REGION. MD 3.4 (HOJ). Felt at New Kingston.
13	15 11 29.8%	39.79 N	29.58 E	10 G		0.3	4	TURKEY. ML 2.5 (ISK).
13	15 21 56.5%	60.309 N	4.846 E	5 G		1.0	6	SOUTHERN NORWAY. MD 1.7 (BER).
13	15 24 34.1%	39.563 N	30.049 E	10 G		1.0	5	TURKEY. ML 2.7 (ISK).
13	15 38 41.1%	54.62 N	161.33 E	33 N	4.4	1.4	14	NEAR EAST COAST OF KAMCHATKA
13	15 54 38.7	44.086 N	6.982 E	10 G		0.5	13	FRANCE. ML 2.0 (LDG).
13	16 08 11.8%	31.698 S	68.428 W	10 G		1.1	6	SAN JUAN PROVINCE, ARGENTINA
13	16 11 19.8%	47.138 N	5.498 E	10 G		0.3	9	FRANCE. ML 2.3 (LDG).
13	18 12 31.9%	16.642 N	99.395 W	10 G		0.9	7	NEAR COAST OF GUERRERO, MEXICO
13	18 29 46.7%	18.31 N	67.15 W	33 N		1.4	6	MONA PASSAGE
13	19 59 54.7	3.493 N	122.614 E	553	4.9	0.8	41	CELEBES SEA
13	20 00 30.4%	14.72 N	61.11 W	5 G		0.3	4	WINDWARD ISLANDS. ML 1.1 (FDF).
13	20 03 17.7%	59.199 N	153.671 W	105		46	SOUTHERN ALASKA. <AEIC>.	
13	20 04 36.8%	14.72 N	61.12 W	5 G		0.2	4	WINDWARD ISLANDS. ML 1.4 (FDF).
13	20 10 13.6%	14.72 N	61.12 W	5 G		0.2	4	WINDWARD ISLANDS. ML 1.5 (FDF).
13	20 27 47.8*	40.116 N	25.766 E	10 G		1.4	14	AEGEAN SEA. ML 3.3 (ISK).
13	20 43 11.3*	26.667 S	26.565 E	5 G		0.9	6	REPUBLIC OF SOUTH AFRICA
13	20 56 05.4	12.679 N	144.785 E	33 N	4.7 4.5	1.1	47	SOUTH OF MARIANA ISLANDS
13	21 41 28.4	40.570 N	23.542 E	5 G		1.0	15	GREECE. ML 3.0 (THE).
13	22 03 50.9*	13.607 N	143.870 E	33 N	4.4	1.0	14	SOUTH OF MARIANA ISLANDS
13	22 41 35.1%	38.223 N	28.126 E	10 G		0.3	5	TURKEY. ML 3.0 (ISK).
13	22 56 26.7	43.729 N	111.168 W	5 G		0.9	21	EASTERN IDAHO. ML 3.0 (GS), 3.1 (BUT).
13	23 25 23.2%	50.78 N	18.98 E	10 G		0.1	4	POLAND. ML 2.9 (WAR).
13	23 45 14.7%	62.961 N	150.902 W	116		59	CENTRAL ALASKA. <AEIC>.	
13	23 45 44.8%	37.504 N	118.893 W	3		7	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.8 (GM).	
14	00 15 56.8%	32.208 S	66.915 W	33 N		1.4	8	SAN LUIS PROVINCE, ARGENTINA
14	00 59 05.9*	5.568 S	146.206 E	59 *	3.9	1.5	11	EASTERN NEW GUINEA REG., P.N.G.
14	01 08 42.7%	14.73 N	61.12 W	5 G		0.2	4	WINDWARD ISLANDS. ML 1.2 (FDF).
14	01 29 17.6	33.365 N	132.408 E	41 D	5.0 4.4	1.0	176	SHIKOKU, JAPAN. Felt (V) at Iwakuni.

14	02 05 54.66	34.003 N	117.191 W	15			7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS). Felt.
14	02 09 11.06	34.001 N	117.191 W	15			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.7 (GS). Felt.
14	02 14 25.9%	15.717 N	61.529 W	10 G		0.9	9	LEEWARD ISLANDS. ML 2.9 (FDF).
14	02 15 08.9	12.747 N	144.492 E	33 N	4.1	0.9	19	SOUTH OF MARIANA ISLANDS
14	02 21 59.7%	40.861 N	15.642 E	10 G		0.5	5	SOUTHERN ITALY
14	02 29 14.7%	29.032 S	67.369 W	130 G		0.3	6	LA RIOJA PROVINCE, ARGENTINA
14	03 52 42.5	37.542 N	70.714 E	64 D	4.5	1.1	56	AFGHANISTAN-TAJIKISTAN BORD REG. Felt (IV) at Kulab; (III) at Khorugh; (II) at Dushanbe and Nurek, Tajikistan.
14	04 14 44.7?	31.23 S	69.14 W	120 G		0.5	5	SAN JUAN PROVINCE, ARGENTINA
14	04 44 51.4	5.585 S	147.273 E	179	4.8	0.7	69	EASTERN NEW GUINEA REG., P.N.G.
14	04 56 10.7*	44.827 S	165.595 E	33 N	4.5	1.7	9	OFF W. COAST OF S. ISLAND, N.Z.
14	04 58 48.9?	14.76 N	60.95 W	10 G		0.0	4	WINDWARD ISLANDS. ML 1.5 (FDF).
14	05 07 22.4%	38.613 N	14.341 E	10 G		1.2	8	SICILY
14	05 45 24.2*	38.540 N	21.619 E	10 G		1.7	14	GREECE. ML 3.2 (THE). MD 3.2 (ATH).
14	06 45 37.0%	39.682 N	29.436 E	5 G		0.5	5	TURKEY. ML 2.6 (ISK).
14	06 50 03.6?	31.39 S	67.99 W	33 N		0.6	4	SAN JUAN PROVINCE, ARGENTINA
14	07 25 53.2?	9.32 N	127.03 E	29 *	4.2	1.4	8	PHILIPPINE ISLANDS REGION
14	08 16 29.1?	31.51 S	68.93 W	100 G		0.1	4	SAN JUAN PROVINCE, ARGENTINA
14	08 23 10.6%	15.646 N	61.241 W	101 ?		0.3	11	LEEWARD ISLANDS
14	08 58 32.1?	28.86 S	178.53 W	286 *	4.3	1.3	15	KERMADEC ISLANDS REGION
14	10 10 39.7*	21.431 S	66.647 W	253 *		1.3	14	SOUTHERN BOLIVIA
14	11 01 51.1%	17.143 N	94.401 W	33 N		0.9	5	CHIAPAS, MEXICO
14	11 53 56.9?	39.58 N	29.54 E	10 G		1.0	4	TURKEY. ML 2.6 (ISK).
14	11 57 31.3	36.945 N	142.143 E	27 D	4.5 4.3	1.3	37	OFF EAST COAST OF HONSHU, JAPAN
14	13 44 12.9%	39.685 N	29.383 E	10 G		0.5	6	TURKEY. ML 2.6 (ISK).
14	13 51 00.2%	39.584 N	30.047 E	10 G		0.9	5	TURKEY. ML 2.7 (ISK).
14	14 28 17.6*	43.380 N	4.756 E	10 G		0.9	12	NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG), 2.0 (STR).
a	14 30 04.6	25.440 N	101.545 E	33 N	4.9 4.8	1.2	158	YUNNAN, CHINA. Mw 5.2 (HRV).
14	15 16 26.9%	46.733 N	5.540 E	10 G		0.4	9	FRANCE. ML 2.5 (LDG).
14	15 56 20.2	51.605 N	16.249 E	10 G		0.5	19	POLAND. ML 3.6 (GRF), 3.3 (VIE).
14	16 36 30.2%	40.436 N	29.206 E	10 G		0.9	6	TURKEY. ML 2.8 (ISK).
14	17 20 05.7?	31.42 S	68.94 W	100 G		0.5	5	SAN JUAN PROVINCE, ARGENTINA
14	17 56 17.1%	40.267 N	22.978 E	10 G		0.5	5	GREECE. ML 1.9 (THE).
14	17 56 25.6?	45.21 N	14.54 E	5 G		1.2	5	NORTHWESTERN BALKAN REGION. MD 2.0 (LJU).
14	20 18 40.8*	41.804 N	3.062 E	10 G		0.6	11	SPAIN. mbLg 3.1 (MDD). ML 2.6 (LDG).
14	20 34 25.9*	32.682 S	71.513 W	33 N		1.1	15	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
14	21 12 04.9	59.324 N	143.954 W	10 G		0.4	32	GULF OF ALASKA. ML 3.3 (AEIC), 3.5 (PMR).
14	22 38 21.0?	13.01 N	144.09 E	33 N	4.3	1.4	6	MARIANA ISLANDS
14	22 51 18.5%	44.147 N	8.336 E	5 G		0.8	7	NORTHERN ITALY. ML 1.8 (GEN).
14	23 04 22.8?	44.25 N	8.22 E	10 G		0.4	4	NORTHERN ITALY. ML 1.5 (GEN).
14	23 38 39.3?	15.87 S	174.31 W	33 N	4.7	1.2	28	TONGA ISLANDS
15	00 10 15.7	32.904 S	68.752 W	10 G		0.8	20	MENDOZA PROVINCE, ARGENTINA. MD 4.2 (SAN).
15	00 12 13.2	13.060 N	145.274 E	33 N	4.7 4.7	1.1	45	MARIANA ISLANDS
15	00 23 59.1?	38.85 N	15.79 E	169 ?		0.3	6	SICILY
15	00 29 50.9%	44.283 N	8.228 E	5 G		0.3	5	NORTHERN ITALY. ML 1.5 (GEN).
15	00 30 42.8%	44.277 N	8.224 E	5 G		0.3	5	NORTHERN ITALY. ML 1.7 (GEN).
15	00 42 03.7%	33.370 S	71.175 W	71 ?		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.4 (SAN).
15	01 04 56.9?	42.81 N	11.42 E	10 G		0.3	4	CENTRAL ITALY
15	01 09 00.2?	9.30 S	123.81 E	84 ?	4.5	0.8	8	TIMOR REGION, INDONESIA
15	02 02 04.2?	6.63 S	132.42 E	33 N	4.0	1.4	6	TANIMBAR ISLANDS REG., INDONESIA
a	15 03 06 07.1	5.396 N	94.638 E	39 D	5.1 4.5	0.9	104	NORTHERN SUMATERA, INDONESIA
15	03 10 21.2	0.711 N	25.956 W	15 D	5.3 5.3	1.0	261	CENTRAL MID-ATLANTIC RIDGE. Mw 5.8 (HRV).
15	03 32 39.6*	36.014 S	179.892 E	26 D	5.1 5.6	1.4	24	OFF E. COAST OF N. ISLAND, N.Z.
15	03 38 17.3%	40.367 N	23.913 E	5 G		0.2	5	GREECE. ML 1.9 (THE).
15	04 41 25.2	43.735 N	147.291 E	44 D	4.5 4.2	1.3	58	KURIL ISLANDS
15	05 11 27.5*	28.743 N	34.676 E	10	4.2	1.4	17	EGYPT. ML 4.5 (BHL).
15	05 39 02.4	7.672 N	126.761 E	59	4.6	1.1	51	MINDANAO, PHILIPPINE ISLANDS
15	06 07 32.9%	43.092 N	18.136 E	10 G		0.5	8	NORTHWESTERN BALKAN REGION
15	06 18 56.5	44.430 N	7.231 E	5 G		0.4	23	NORTHERN ITALY. ML 2.4 (GEN), 2.2 (LDG).
15	06 52 30.0%	31.342 S	68.647 W	100 G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
15	08 01 11.9%	39.174 N	27.621 E	10 G		0.6	5	TURKEY. ML 2.7 (ISK).
15	08 08 24.7%	63.240 N	148.834 W	84		0.6	48	CENTRAL ALASKA. <AEIC>.
15	08 10 20.2%	39.690 N	29.489 E	10 G		0.6	6	TURKEY. ML 2.7 (ISK).
15	08 32 25.4*	6.440 S	150.449 E	59 ?	4.2	1.2	6	NEW BRITAIN REGION, P.N.G.
15	08 39 02.9%	39.544 N	29.961 E	10 G		0.6	5	TURKEY. ML 2.7 (ISK).
15	09 03 58.7%	39.675 N	29.515 E	10 G		0.8	5	TURKEY. ML 2.6 (ISK).
15	09 05 27.8	42.239 N	19.646 E	10 G		0.8	11	NORTHWESTERN BALKAN REGION
15	09 17 46.9*	13.175 N	145.895 E	33 N	4.4	1.6	11	MARIANA ISLANDS. Felt (III) at Potts Junction, Guam.
15	09 18 14.3*	41.956 N	139.589 E	33 N	4.5	0.6	17	HOKKAIDO, JAPAN REGION
15	10 54 50.9*	24.157 S	68.155 W	166 ?		1.1	9	CHILE-ARGENTINA BORDER REGION
15	11 26 22.5?	39.61 N	29.45 E	5 G		0.4	4	TURKEY. ML 2.6 (ISK).
15	12 05 42.2	27.553 S	69.123 W	114 D	4.4	1.3	45	NORTHERN CHILE
15	12 06 15.6*	0.208 S	124.295 E	90 *	4.6	1.3	9	SOUTHERN MOLUCCA SEA
15	12 49 32.0?	31.54 S	68.06 W	33 N		1.0	4	SAN JUAN PROVINCE, ARGENTINA
15	12 51 04.3%	62.975 N	149.854 W	86		0.9	54	CENTRAL ALASKA. <AEIC>.
15	13 27 18.0%	46.375 N	6.895 E	10 G		0.7	5	SWITZERLAND. ML 2.4 (LDG).
15	13 30 54.4?	39.66 N	29.56 E	10 G		0.7	4	TURKEY. ML 2.6 (ISK).
15	13 42 14.4	46.410 N	6.868 E	5 G		1.2	33	SWITZERLAND. ML 2.9 (LDG), 2.6 (STR).
15	14 17 41.1	44.964 N	9.710 E	10 G		1.2	27	NORTHERN ITALY. ML 2.7 (LDG).
15	14 31 10.0?	28.72 N	34.70 E	10 G		0.7	4	EGYPT
15	14 43 13.9	52.871 N	157.574 E	149 D	4.9	0.8	209	KAMCHATKA
15	14 57 19.9?	6.72 S	131.58 E	33 N		1.3	10	TANIMBAR ISLANDS REG., INDONESIA
15	15 10 10.1?	28.75 N	34.70 E	10 G		0.7	4	EGYPT
15	15 30 59.1*	13.030 N	145.818 E	33 N	4.2	0.9	8	MARIANA ISLANDS
15	15 54 12.2	38.279 N	21.655 E	10 G		1.5	20	GREECE. MD 3.5 (ATH). ML 3.3 (THE).
15	16 43 34.9?	4.45 S	146.02 E	68 ?	4.3	0.0	5	EASTERN NEW GUINEA REG., P.N.G.
15	16 45 12.4%	39.034 N	2.738 W	10 G		0.5	5	SPAIN. mbLg 2.6 (MDD).
15	16 46 09.1%	38.993 N	2.779 W	10 G		0.4	6	SPAIN. mbLg 2.9 (MDD).
15	16 55 32.1?	17.16 N	61.67 W	33 N		1.6	4	LEEWARD ISLANDS. MD 2.8 (TRN).
15	17 18 55.8	44.213 N	8.296 E	5 G		0.7	28	NORTHERN ITALY. ML 3.0 (LDG), 2.8 (GEN).
15	17 22 09.3	44.264 N	8.246 E	5 G		0.4	9	NORTHERN ITALY. ML 2.2 (GEN), 2.2 (LDG).

15	17	23	20.9%	44.251	N	8.245	E	5	G	0.4	7	NORTHERN ITALY. ML 1.9 (GEN).			
15	17	25	38.4%	44.274	N	8.229	E	5	G	0.4	6	NORTHERN ITALY. ML 1.7 (GEN).			
15	17	34	40.7%	47.614	N	9.862	E	10	G	0.7	16	GERMANY. ML 2.5 (VIE).			
15	17	56	40.5%	40.236	N	22.958	E	5	G	0.3	5	GREECE. ML 1.8 (THE).			
15	17	59	07.7%	62.337	N	149.454	W	57			88	CENTRAL ALASKA. <AEIC>. ML 3.7 (AEIC), 3.7 (PMR).			
15	18	09	31.3	44.260	N	8.239	E	5	G	0.4	12	NORTHERN ITALY. ML 2.0 (GEN).			
15	19	03	03.0*	36.767	N	71.352	E	33	N	3.9	9	AFGHANISTAN-TAJIKISTAN BORD REG.			
15	19	11	33.7%	44.280	N	8.256	E	5	G	0.7	6	NORTHERN ITALY. ML 1.9 (GEN).			
15	19	27	49.5?	6.42	S	130.14	E	176	?	1.5	6	BANDA SEA			
15	20	06	08.3%	44.268	N	8.253	E	5	G	0.3	6	NORTHERN ITALY. ML 2.1 (GEN).			
15	20	06	45.6%	44.271	N	8.247	E	5	G	0.3	6	NORTHERN ITALY. ML 1.8 (GEN).			
15	20	10	13.9%	44.249	N	8.262	E	5	G	0.5	7	NORTHERN ITALY. ML 2.0 (GEN).			
a	15	20	28	57.3	53.015	N	159.680	E	58	5.3	1.0	303	NEAR EAST COAST OF KAMCHATKA. Mw 5.1 (HRV).		
15	20	34	15.9%	40.221	N	22.933	E	5	G	0.4	5	GREECE. ML 1.8 (THE).			
15	20	45	10.1%	44.275	N	8.242	E	5	G	0.3	5	NORTHERN ITALY. ML 1.7 (GEN).			
15	20	50	09.1%	44.271	N	8.244	E	5	G	0.4	6	NORTHERN ITALY. ML 1.9 (GEN).			
15	21	44	35.0	34.013	N	135.159	E	17		4.5	1.0	21	NEAR S. COAST OF WESTERN HONSHU		
15	21	53	59.5?	32.08	S	69.28	W	120	G		0.2	4	MENDOZA PROVINCE, ARGENTINA		
15	22	32	22.6	40.373	N	1.094	W	12			1.2	44	SPAIN. ML 3.5 (LDG). mbLg 3.4 (MDD). Felt (IV) in the Teruel area.		
15	23	09	27.0%	44.270	N	8.254	E	5	G	0.2	7	NORTHERN ITALY. ML 2.1 (GEN).			
15	23	09	30.5%	44.282	N	8.229	E	5	G	0.5	5	NORTHERN ITALY. ML 1.6 (GEN).			
15	23	28	21.4%	44.838	N	9.906	E	10	G	1.0	5	NORTHERN ITALY			
15	23	52	26.3%	44.247	N	8.238	E	5	G	0.4	8	NORTHERN ITALY. ML 2.3 (GEN).			
16	00	03	12.4%	44.271	N	8.246	E	5	G	0.3	6	NORTHERN ITALY. ML 1.7 (GEN).			
16	01	10	52.2?	49.30	S	164.22	E	33	N	4.7	1.5	16	AUCKLAND ISLANDS REGION		
16	01	15	42.6	49.144	N	6.866	E	18			0.8	16	GERMANY. ML 2.2 (LDG), 2.0 (STR).		
16	01	29	19.2?	47.31	N	2.73	W	10	G		0.4	5	FRANCE. ML 2.2 (LDG).		
16	01	37	35.5	40.624	N	27.524	E	11			1.0	29	TURKEY. ML 3.4 (ISK). MD 3.4 (ATH).		
16	01	40	20.0%	39.445	N	0.993	W	10	G		1.3	5	SPAIN. mbLg 2.9 (MDD).		
16	02	09	14.7*	30.955	N	78.955	E	33	N	4.0	1.0	7	NORTHERN INDIA		
16	02	12	33.6*	28.663	N	34.627	E	10	G	3.9	1.1	19	EGYPT. ML 4.4 (BHL).		
16	03	00	54.2	31.555	S	68.839	W	117	D	4.4	1.1	45	SAN JUAN PROVINCE, ARGENTINA. MD 4.4 (SAN).		
16	03	20	23.3%	47.321	N	11.430	E	10	G		0.3	5	AUSTRIA. ML 1.5 (VIE).		
16	03	47	46.9*	13.028	N	145.861	E	33	N	3.6	0.6	7	MARIANA ISLANDS		
f	16	04	33	48.4	12.966	N	144.972	E	18	G	5.6	6.0	1.3	297	SOUTH OF MARIANA ISLANDS. Mw 6.0 (HRV). Ms 6.0 (BRK). Mo=1.1*10**18 Nm (PPT). Felt (V) at Apra Heights and Tamuning; (IV) at Agana Heights, Guam. Felt throughout Guam. Depth from broadband displacement seismograms.
16	04	39	38.5%	44.268	N	8.202	E	5	G		0.6	6	NORTHERN ITALY. ML 1.9 (GEN).		
16	05	01	47.5?	14.03	N	143.95	E	33	N	4.4	0.9	6	MARIANA ISLANDS REGION		
16	05	32	32.1*	45.922	N	7.930	E	5	G		0.5	6	NORTHERN ITALY		
16	05	35	03.2?	13.31	N	144.43	E	33	N	4.1	1.1	8	MARIANA ISLANDS		
16	06	07	25.7	35.819	N	115.744	W	5	G		0.8	13	CALIFORNIA-NEVADA BORDER REGION. ML 3.0 (GS).		
16	06	35	19.0?	4.87	N	77.39	W	79	?	3.9	1.3	11	NEAR WEST COAST OF COLOMBIA		
16	06	36	24.0*	13.339	N	144.074	E	33	N	4.2	1.2	9	MARIANA ISLANDS		
16	06	39	01.3	39.190	N	23.490	E	10	G		0.9	21	AEGEAN SEA. ML 3.4 (THE). MD 3.4 (ATH).		
16	06	40	41.8	40.626	N	15.527	E	10	G		1.3	19	SOUTHERN ITALY. MD 3.3 (ROM).		
16	07	44	19.0?	12.87	N	145.03	E	33	N	4.0	0.1	4	SOUTH OF MARIANA ISLANDS		
16	07	47	49.6?	43.41	N	127.59	W	10	G		0.4	28	OFF COAST OF OREGON		
16	07	48	07.1%	40.584	N	34.737	E	10	G		0.3	6	TURKEY. MG 2.4 (DDA).		
16	08	02	38.6%	39.686	N	29.503	E	5	G		0.2	5	TURKEY. ML 2.7 (ISK).		
16	08	07	12.9*	13.436	N	143.988	E	33	N	4.3	1.2	8	SOUTH OF MARIANA ISLANDS		
16	08	10	02.9?	16.58	N	61.77	W	100	G		0.3	6	LEEWARD ISLANDS		
16	08	13	46.8%	59.529	N	147.667	W	51				53	GULF OF ALASKA. <AEIC>. ML 3.0 (AEIC).		
16	08	32	11.7?	39.43	N	0.88	W	5	G		1.1	4	SPAIN. mbLg 2.9 (MDD).		
16	08	44	55.4*	15.076	N	60.215	W	28			0.7	10	LEEWARD ISLANDS. MD 3.5 (TRN). ML 2.8 (FDF).		
16	08	55	43.0?	39.69	N	29.48	E	5	G		0.8	4	TURKEY. ML 2.7 (ISK).		
16	08	57	27.4	44.519	N	6.811	E	10	G		0.4	25	FRANCE. ML 2.7 (LDG), 2.6 (GEN).		
16	09	12	16.0%	34.600	N	116.629	W	4				14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS).		
16	09	43	18.1*	38.138	N	23.025	E	10	G		1.0	8	GREECE. MD 3.2 (ATH).		
16	09	46	05.1	48.743	N	121.672	W	5	G		0.7	55	WASHINGTON. ML 2.8 (GS).		
16	09	57	01.4?	39.35	N	29.65	E	10	G		1.1	5	TURKEY. ML 2.7 (ISK).		
16	09	58	20.2%	16.144	N	61.329	W	33	N		1.0	5	LEEWARD ISLANDS. ML 2.2 (FDF).		
16	10	03	55.1?	4.33	S	135.42	E	33	N	4.4	1.5	4	IRIAN JAYA REGION, INDONESIA		
16	10	26	29.2%	39.650	N	29.446	E	5	G		0.4	6	TURKEY. ML 2.7 (ISK).		
16	10	27	47.3	4.674	S	152.648	E	33	N	5.1	0.8	52	NEW BRITAIN REGION, P.N.G.		
16	10	29	10.5%	38.852	N	119.725	W	9				60	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.8 (BRK), 3.8 (GS). MD 3.6 (GM). Felt (IV) at Gardnerville, Nevada and (III) at Minden, Nevada. Also felt at Carson City, Nevada and Markleeville, California.		
16	10	32	38.2%	34.601	N	116.629	W	4				14	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).		
16	10	59	23.3?	44.39	N	7.07	E	5	G		0.0	4	NORTHERN ITALY. ML 1.9 (GEN).		
16	11	06	06.7%	38.845	N	119.722	W	6				61	CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.4 (BRK), 3.2 (GS). MD 3.3 (GM). Felt (IV) at Gardnerville, Nevada. Felt at Carson City and Minden, Nevada. Also felt at Markleeville, California.		
16	11	11	25.2%	46.677	N	1.751	W	10	G		1.1	16	FRANCE. ML 3.2 (LDG).		
16	11	48	19.7%	39.288	N	27.503	E	10	G		0.3	5	TURKEY. ML 2.7 (ISK).		
16	12	29	58.5	44.257	N	8.221	E	5	G		0.5	24	NORTHERN ITALY. ML 2.8 (GEN), 2.8 (LDG).		
16	12	34	00.7	45.716	N	11.685	E	10	G		1.2	41	NORTHERN ITALY. ML 3.2 (VIE), 2.9 (LDG). MD 2.8 (TRI).		
16	12	37	06.7?	42.65	N	23.97	E	10	G		1.2	6	BULGARIA. ML 2.8 (THE).		
16	13	50	23.7%	63.081	N	150.786	W	117				38	CENTRAL ALASKA. <AEIC>.		
16	14	39	18.9?	13.25	N	144.15	E	33	N	4.0	1.0	7	MARIANA ISLANDS		
a	16	14	44	58.9	51.479	N	178.696	E	33	N	5.2	4.7	1.0	275	RAT ISLANDS, ALEUTIAN ISLANDS. Mw 5.4 (HRV). ML 5.8 (PMR). Ms 4.3 (BRK). Felt (IV) on Amchitka.
16	14	57	04.7?	5.25	N	126.68	E	33	N	4.2	1.4	5	MINDANAO, PHILIPPINE ISLANDS		
16	15	02	44.1?	39.62	N	30.06	E	5	G		1.4	4	TURKEY. ML 2.6 (ISK).		
16	15	05	46.9%	31.661	S	66.908	W	130	?		0.5	7	LA RIOJA PROVINCE, ARGENTINA		
16	15	14	24.0%	44.264	N	8.236	E	5	G		0.7	8	NORTHERN ITALY. ML 2.3 (GEN).		
16	15	18	02.7%	44.257	N	8.209	E	5	G		0.7	6	NORTHERN ITALY. ML 1.8 (GEN).		
16	15	28	35.5%	44.249	N	8.239	E	5	G		0.6	5	NORTHERN ITALY. ML 1.5 (GEN).		
16	15	28	40.9	44.239	N	8.259	E	5	G		0.8	11	NORTHERN ITALY. ML 1.8 (GEN).		

16	15	31	12.2%	67.006 N	20.961 E	5 G	0.5	5	SWEDEN. MD 3.0 (BER).
16	16	26	38.1%	44.266 N	8.298 E	5 G	0.2	5	NORTHERN ITALY. ML 1.5 (GEN).
16	16	33	37.5	55.742 N	34.704 W	10 G	4.3 4.2	0.7	25 NORTH ATLANTIC OCEAN
16	16	36	59.7*	23.153 N	120.120 E	10 G	4.2	0.4	8 TAIWAN. ML 4.6 (BJI).
16	17	04	40.9	15.259 S	166.103 E	26 D	5.3 4.7	1.1	171 VANUATU ISLANDS
16	17	11	50.5?	23.59 N	120.04 E	10 G	4.0	0.3	4 TAIWAN. ML 3.8 (BJI).
16	19	01	04.3%	38.444 N	118.339 W	8			8 CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).
16	21	13	25.8	44.478 N	6.880 E	5 G		0.4	16 FRANCE. ML 2.3 (GEN), 1.9 (LDG).
16	21	29	43.3*	12.886 N	145.024 E	33 N	4.6	0.2	6 SOUTH OF MARIANA ISLANDS
16	21	32	41.0*	56.097 S	26.860 W	33 N	5.0	1.2	29 SOUTH SANDWICH ISLANDS REGION
16	21	38	10.8*	45.559 N	3.896 E	10 G		1.5	13 FRANCE. ML 2.1 (LDG).
16	21	42	14.0?	15.11 N	120.30 E	33 N		0.8	5 LUZON, PHILIPPINE ISLANDS
16	22	10	21.6%	40.455 N	28.864 E	5 G		0.6	5 TURKEY. ML 2.6 (ISK).
16	22	28	57.8?	13.63 N	89.47 W	33 N		0.7	4 EL SALVADOR. Felt (II) at San Salvador.
16	23	26	45.4?	10.09 S	123.66 E	33 N		1.2	5 TIMOR REGION, INDONESIA
16	23	26	52.4%	41.030 N	23.346 E	5 G		0.3	6 GREECE-BULGARIA BORDER REGION. ML 2.2 (THE).
17	00	05	17.9?	31.38 S	68.05 W	99 ?		0.0	5 SAN JUAN PROVINCE, ARGENTINA
17	00	20	36.3	38.912 N	29.887 E	10 G		1.4	15 TURKEY. ML 3.2 (ISK).
17	00	22	58.1*	12.925 N	145.059 E	33 N	4.4	1.5	10 SOUTH OF MARIANA ISLANDS
17	01	47	40.5?	15.15 N	120.28 E	33 N		1.4	5 LUZON, PHILIPPINE ISLANDS
17	02	07	08.2*	18.081 S	167.607 E	33 N	4.2	1.4	8 VANUATU ISLANDS
17	02	40	11.7?	43.66 N	6.38 E	10 G		0.2	4 NEAR SOUTH COAST OF FRANCE. ML 2.1 (LDG).
17	02	42	32.8?	43.65 N	6.39 E	10 G		0.1	4 NEAR SOUTH COAST OF FRANCE. ML 2.2 (LDG).
17	03	25	27.8	3.953 N	125.930 E	148 D	4.9	1.3	50 TALAUD ISLANDS, INDONESIA
17	04	07	05.5?	18.86 S	169.57 E	122 *		1.2	7 VANUATU ISLANDS
17	04	24	00.0*	36.918 N	77.083 E	33 N	4.2	1.0	8 KASHMIR-XINJIANG BORDER REGION
17	05	38	11.8%	61.334 N	5.036 E	10 G		0.9	6 SOUTHERN NORWAY. MD 2.4 (BER).
17	05	57	55.3*	12.302 N	87.258 W	33 N	4.3	1.1	26 NEAR COAST OF NICARAGUA
17	06	53	06.8?	45.47 S	166.63 E	33 N	4.5	1.3	10 OFF W. COAST OF S. ISLAND, N.Z.
17	07	17	44.3%	10.809 N	61.822 W	33 N		1.1	5 TRINIDAD
17	07	39	32.5%	40.932 N	24.002 E	5 G		0.4	7 AEGEAN SEA. ML 2.6 (THE).
17	07	40	46.5?	45.70 S	166.38 E	33 N	4.4	1.2	9 OFF W. COAST OF S. ISLAND, N.Z.
17	07	46	05.0%	31.843 S	67.049 W	33 N		1.3	6 SAN JUAN PROVINCE, ARGENTINA
17	07	54	14.4%	40.386 N	124.292 W	8			26 NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 2.9 (GM).
17	08	01	43.6%	39.098 N	27.617 E	10 G		0.8	5 TURKEY. ML 2.9 (ISK).
17	08	02	26.5?	50.87 N	6.25 E	10 G		0.5	4 GERMANY. ML 2.1 (UCC), 1.8 (BNS).
17	08	26	37.9%	40.455 N	125.107 W	2			39 OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK), 3.4 (GS). MD 3.3 (GM).
17	08	41	29.7%	39.635 N	30.228 E	10 G		0.7	5 TURKEY. ML 2.7 (ISK).
17	08	44	35.3%	44.275 N	8.247 E	5 G		0.3	6 NORTHERN ITALY. ML 1.7 (GEN).
17	08	49	53.1?	43.09 N	12.97 E	10 G		0.9	4 CENTRAL ITALY
17	09	01	49.0%	39.791 N	29.386 E	10 G		0.7	5 TURKEY. ML 2.7 (ISK).
17	09	10	40.7%	38.625 N	28.933 E	10 G		0.0	6 TURKEY. ML 3.1 (ISK).
17	09	12	53.0?	44.52 S	167.95 E	33 N	4.4 4.3	1.4	13 SOUTH ISLAND, NEW ZEALAND
17	09	17	49.1?	39.29 N	27.56 E	10 G		0.0	4 TURKEY. ML 2.7 (ISK).
17	10	13	51.5?	47.12 N	2.51 W	10 G		0.7	5 FRANCE. ML 2.5 (LDG).
17	10	16	08.2	17.369 N	65.767 W	27 D	4.8	1.0	156 PUERTO RICO REGION. ML 5.1 (FDF). MD 4.5 (TRN). Felt (V) at Cayey, (IV) at Caguas and (III) at Bayamon.
17	10	19	40.9?	39.20 N	27.60 E	10 G		0.3	4 TURKEY. ML 2.7 (ISK).
17	10	52	39.2%	61.410 N	151.795 W	82			41 SOUTHERN ALASKA. <AEIC>.
17	10	56	32.0	8.606 S	118.409 E	126 *	4.9	1.0	29 SUMBAWA REGION, INDONESIA
17	11	21	24.3?	17.42 N	65.74 W	33 N		0.9	16 PUERTO RICO REGION. ML 4.3 (FDF).
17	11	35	23.9?	42.78 N	24.11 E	5 G		0.6	6 BULGARIA. ML 3.2 (THE).
17	11	41	16.2%	31.884 S	69.360 W	126 ?		0.5	7 SAN JUAN PROVINCE, ARGENTINA
17	11	45	41.8?	24.01 S	66.81 W	232 ?		0.8	8 SALTA PROVINCE, ARGENTINA
17	12	12	36.6?	50.28 N	19.18 E	10 G		1.1	4 POLAND. ML 2.9 (WAR).
17	12	17	49.2?	39.22 N	27.62 E	10 G		0.3	4 TURKEY. ML 2.7 (ISK).
17	12	36	30.9?	41.41 N	22.36 E	5 G		0.9	5 NORTHWESTERN BALKAN REGION. ML 2.5 (THE).
17	12	37	11.5	40.566 N	23.437 E	5 G		0.4	7 GREECE. ML 2.7 (THE).
17	12	38	38.7?	31.66 S	69.24 W	120 G		0.8	4 SAN JUAN PROVINCE, ARGENTINA
17	13	34	58.5?	31.43 S	68.53 W	100 G		1.3	4 SAN JUAN PROVINCE, ARGENTINA
17	13	37	58.0?	47.51 N	13.23 E	10 G		0.8	4 AUSTRIA. ML 1.7 (VIE).
17	14	40	23.4?	28.05 N	111.51 W	10 G		0.7	10 GULF OF CALIFORNIA. ML 3.9 (GS).
17	14	59	13.5	42.625 N	139.294 E	27 D	4.7	1.1	78 HOKKAIDO, JAPAN REGION
17	15	02	55.0%	11.007 N	60.878 W	10 G		0.7	9 WINDWARD ISLANDS. MD 2.7 (TRN).
17	16	26	05.8	40.174 N	20.303 E	12	3.9	1.3	75 GREECE-ALBANIA BORDER REGION. MD 4.0 (ATH). ML 3.7 (TIR), 3.7 (THE).
17	16	33	46.5%	39.918 N	27.434 E	10 G		0.8	5 TURKEY. ML 2.7 (ISK).
17	17	20	47.9?	10.65 N	91.83 W	33 N	3.7	1.2	6 OFF COAST OF CENTRAL AMERICA
17	17	22	12.8	13.218 N	145.240 E	30 D	4.6	1.2	37 MARIANA ISLANDS. Felt (IV) at Agana and Yigo, Guam. Also felt at Andersen AFB, Guam.
17	17	52	03.1%	61.709 N	146.664 W	30			54 SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
17	18	16	35.4*	13.463 N	145.518 E	33 N	4.4	0.8	5 MARIANA ISLANDS
17	19	14	12.5%	33.505 S	69.935 W	10 G		0.2	8 CHILE-ARGENTINA BORDER REGION. MD 3.3 (SAN).
17	19	43	16.1%	11.018 N	60.877 W	10 G		0.5	9 WINDWARD ISLANDS. MD 2.8 (TRN).
17	20	25	45.6?	44.27 N	8.23 E	5 G		0.3	4 NORTHERN ITALY. ML 1.4 (GEN).
17	20	35	12.7	9.507 S	158.184 E	26 D	5.1 4.6	1.2	48 SOLOMON ISLANDS
17	20	42	29.5%	17.625 N	94.686 W	10 G		0.9	12 CHIAPAS, MEXICO
17	20	53	00.8	39.620 N	20.254 E	5 G		1.1	14 GREECE-ALBANIA BORDER REGION. ML 2.7 (THE).
17	20	59	01.9*	10.833 S	166.181 E	178 ?	4.4	1.1	11 SANTA CRUZ ISLANDS
17	21	28	31.4?	31.74 S	68.20 W	33 N		1.3	6 SAN JUAN PROVINCE, ARGENTINA
17	22	56	44.4	26.089 N	95.665 E	106 *	4.3	1.1	34 MYANMAR-INDIA BORDER REGION
17	23	40	05.8?	30.60 S	71.93 W	33 N	4.8	1.3	51 NEAR COAST OF CENTRAL CHILE
18	00	43	12.2*	50.126 S	29.527 E	10 G	4.7	1.3	13 SOUTH OF AFRICA
18	01	05	42.4*	21.425 S	66.718 W	235 *	4.1	1.5	15 SOUTHERN BOLIVIA
18	01	37	51.4	12.931 N	145.358 E	33 N	4.8 4.3	1.4	45 SOUTH OF MARIANA ISLANDS
18	02	14	36.6?	30.55 S	71.79 W	176 ?		1.0	13 NEAR COAST OF CENTRAL CHILE
18	04	18	20.8	43.217 N	139.233 E	18 D	4.8	1.1	75 EASTERN SEA OF JAPAN
18	04	40	33.7	24.574 N	122.268 E	19 D	4.6	1.4	48 TAIWAN REGION. ML 4.6 (BJI).
18	04	41	07.2%	63.085 N	149.322 W	86			48 CENTRAL ALASKA. <AEIC>.
18	05	05	10.6%	67.472 N	146.024 W	10	4.1		58 NORTHERN ALASKA. <AEIC>. ML 4.1 (AEIC), 4.2 (PMR).
18	05	32	54.4*	24.278 S	66.976 W	216 *		1.5	9 SALTA PROVINCE, ARGENTINA
18	06	00	41.6%	67.43 S	145.555 W	29			8 NORTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).

18	07	06	00.72	50.44	N	18.93	E	10	G	1.1	7	POLAND. ML 3.1 (WAR).	
18	07	08	54.7%	43.924	N	7.671	E	10	G	0.6	6	NEAR SOUTH COAST OF FRANCE. ML 1.9 (GEN).	
18	07	18	19.0%	39.098	N	27.585	E	10	G	0.5	5	TURKEY. ML 2.7 (ISK).	
18	07	37	40.02	39.46	N	29.64	E	10	G	1.0	4	TURKEY. ML 2.6 (ISK).	
18	07	43	44.9%	36.003	N	120.141	W	16			12	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.5 (PAS).	
18	08	18	43.02	12.49	N	145.04	E	33	N	4.2	0.1	4	SOUTH OF MARIANA ISLANDS
18	08	52	32.7%	39.068	N	27.509	E	10	G	0.5	5	TURKEY. ML 2.9 (ISK).	
18	10	06	55.2%	44.488	N	7.345	E	5	G	0.2	5	NORTHERN ITALY. ML 1.9 (GEN).	
18	10	14	05.0%	44.609	N	7.229	E	5	G	0.5	6	NORTHERN ITALY. ML 1.9 (GEN).	
18	10	25	55.4%	18.519	N	102.675	W	33	N	0.8	5	MICHOACAN, MEXICO	
18	10	42	35.92	17.15	S	179.20	W	500	G	4.5	1.2	19	FIJI ISLANDS REGION
18	10	58	03.5%	60.354	N	152.321	W	102			38	SOUTHERN ALASKA. <AEIC>.	
18	11	14	12.1%	39.225	N	27.730	E	10	G	0.5	5	TURKEY. ML 2.7 (ISK).	
18	11	31	56.22	38.78	N	26.66	E	10	G	0.9	4	AEGEAN SEA. ML 2.7 (ISK).	
18	11	36	36.4*	41.536	N	22.332	E	5	G	0.5	6	NORTHWESTERN BALKAN REGION. ML 2.1 (THE), 1.9 (SKO).	
18	11	48	33.7	44.516	N	17.503	E	10	G	1.5	90	NORTHWESTERN BALKAN REGION. ML 4.2 (ZAG), 3.9 (TIR), 3.7 (VIE). MD 4.0 (TRI).	
18	12	09	21.8*	34.969	N	26.016	E	29	D	4.5	1.6	197	CRETE. ML 4.6 (THE). Felt in the Iraklion and Lasithi Provinces.
18	12	17	55.6%	39.138	N	27.581	E	10	G	0.9	7	TURKEY. ML 2.8 (ISK).	
18	12	19	49.3	44.379	N	149.232	E	20	D	4.8	0.8	79	KURIL ISLANDS
18	12	22	20.9%	40.146	N	29.252	E	10	G	0.7	5	TURKEY. ML 2.7 (ISK).	
18	12	51	37.3%	39.116	N	27.567	E	10	G	1.0	5	TURKEY. ML 2.7 (ISK).	
18	14	05	23.9%	31.200	S	68.260	W	100	G	0.4	5	SAN JUAN PROVINCE, ARGENTINA	
18	14	20	53.7%	41.107	N	28.518	E	10	G	1.1	6	TURKEY. ML 2.6 (ISK).	
18	14	33	34.3	1.354	N	122.545	E	450	*	4.7	0.9	26	MINAHASSA PENINSULA, SULAWESI
18	14	46	50.72	14.16	N	118.95	E	33	*	4.4	0.9	7	PHILIPPINE ISLANDS REGION
18	15	02	21.32	66.43	N	14.81	E	5	G	0.7	4	NORTHERN NORWAY. MD 1.8 (BER).	
18	15	21	07.42	39.62	N	30.15	E	10	G	0.1	4	TURKEY. ML 2.6 (ISK).	
18	15	33	40.8*	51.660	N	7.769	E	10	G	0.7	6	GERMANY. ML 2.2 (BNS).	
18	16	14	25.5%	40.594	N	27.455	E	10	G	0.4	7	TURKEY. ML 2.7 (ISK).	
18	16	16	28.32	18.88	N	62.43	W	33	N	0.9	9	LEEWARD ISLANDS. ML 3.8 (PDF). MD 3.6 (TRN).	
18	16	43	26.9%	36.398	N	121.911	W	7			59	CENTRAL CALIFORNIA. <GM-P>. MD 3.2 (GM). ML 3.5 (BRK). Felt (III) at Monterey and Salinas. Felt (II) at Big Sur. Also felt at Carmel.	
18	16	57	17.5%	39.858	N	30.030	E	10	G	0.5	6	TURKEY. ML 2.7 (ISK).	
18	17	03	32.8	43.131	N	0.729	W	10	G	0.2	9	PYRENEES. ML 1.0 (STR).	
18	18	23	42.2%	39.448	N	28.044	E	10	G	0.5	7	TURKEY. ML 2.7 (ISK).	
18	19	14	36.1*	12.926	N	144.941	E	33	N	4.6	1.0	12	SOUTH OF MARIANA ISLANDS
18	20	06	49.2*	28.014	N	142.429	E	33	N	4.7	0.2	8	BONIN ISLANDS REGION
18	20	12	15.2%	39.402	N	27.468	E	10	G	0.4	7	TURKEY. ML 2.8 (ISK).	
18	20	24	53.6%	30.884	S	118.173	E	10	G	1.0	6	WESTERN AUSTRALIA	
18	21	08	22.8%	34.456	N	116.491	W	2			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 2.8 (GS).	
18	21	34	33.1	42.967	N	139.518	E	33	N	4.4	0.9	33	HOKKAIDO, JAPAN REGION
18	22	12	29.3*	39.827	N	25.572	E	10	G	1.0	8	AEGEAN SEA. ML 3.0 (ISK).	
18	22	25	50.72	31.36	S	68.95	W	100	G	0.6	4	SAN JUAN PROVINCE, ARGENTINA	
18	22	57	46.6%	60.856	N	151.577	W	71			33	KENAI PENINSULA, ALASKA. <AEIC>.	
18	23	25	05.32	44.67	N	151.99	E	33	N	4.6	1.0	22	EAST OF KURIL ISLANDS
18	23	28	53.4%	34.128	N	116.408	W	2			5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS). Felt.	
19	00	24	44.9	56.866	N	154.061	W	63	*	4.2	1.0	55	KODIAK ISLAND REGION. ML 3.9 (AEIC).
19	00	46	45.5*	30.969	N	138.652	E	376	*	4.2	0.5	26	SOUTH OF HONSHU, JAPAN
19	01	45	40.3	45.743	N	11.602	E	10	G	1.0	13	NORTHERN ITALY. ML 2.4 (VIE).	
19	01	57	13.0%	46.358	N	3.657	E	10	G	0.2	8	FRANCE. ML 1.5 (LDG).	
19	02	07	30.0%	28.941	S	67.121	W	144	?	0.4	8	LA RIOJA PROVINCE, ARGENTINA	
19	03	04	39.0%	31.393	S	67.956	W	10	G	0.7	7	SAN JUAN PROVINCE, ARGENTINA	
19	03	36	18.0*	16.278	S	174.381	W	150	D	4.5	1.0	42	TONGA ISLANDS
19	03	49	27.2*	30.085	N	80.037	E	33	N	4.4	1.2	29	XIZANG-INDIA BORDER REGION
19	04	31	03.9	1.928	N	127.603	E	80	D	5.4	1.3	110	HALMAHERA, INDONESIA
19	04	46	27.92	40.66	N	29.88	E	5	G	0.0	4	TURKEY. ML 2.5 (ISK).	
19	05	26	43.5	44.295	N	11.721	E	10	G	1.3	10	NORTHERN ITALY. MD 2.9 (TRI), 2.7 (FIR).	
19	05	46	37.02	40.61	N	29.88	E	5	G	0.4	4	TURKEY. ML 2.4 (ISK).	
19	05	56	41.0*	14.103	N	143.992	E	33	N	4.3	1.6	13	MARIANA ISLANDS REGION
19	06	22	14.7	35.835	N	115.812	W	5	G	0.6	17	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (GS), 3.3 (PAS).	
a 19	06	48	26.9	13.321	N	124.157	E	71	D	5.3	1.0	138	LUZON, PHILIPPINE ISLANDS. Mw 5.3 (HRV). Felt (III RF) in southern Luzon.
19	07	16	18.0?	31.14	S	68.26	W	100	G	0.2	6	SAN JUAN PROVINCE, ARGENTINA	
19	07	20	34.2%	39.678	N	29.455	E	10	G	0.5	5	TURKEY. ML 2.6 (ISK).	
19	07	23	40.5%	39.133	N	27.575	E	10	G	0.4	5	TURKEY. ML 2.6 (ISK).	
19	07	28	23.52	37.76	N	26.65	E	10	G	0.3	7	DODECANESE ISLANDS. ML 3.2 (ISK).	
19	07	33	44.9%	34.178	N	116.823	W	4			12	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS), 2.7 (GS).	
19	07	39	28.82	39.51	N	29.62	E	10	G	0.7	4	TURKEY. ML 2.6 (ISK).	
19	07	56	13.5*	15.329	S	166.862	E	33	N	4.2	0.3	8	VANUATU ISLANDS
a 19	08	03	22.8	13.169	N	145.531	E	61	D	5.5	1.3	205	MARIANA ISLANDS. Mw 5.5 (HRV). mb 5.4 (BRK). Mo=5.2*10**17 Nm (PPT). Felt (III) at Agana, Guam.
a 19	08	11	53.6	51.579	N	171.217	W	33	N	5.3 5.3	1.1	215	FOX ISLANDS, ALEUTIAN ISLANDS. Mw 5.6 (HRV).
19	08	13	27.8%	37.561	N	118.885	W	6			37	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (BRK).	
19	08	31	46.3%	40.379	N	23.277	E	10	G	0.5	6	GREECE	
19	08	34	54.72	36.55	N	29.01	E	10	G	1.1	4	TURKEY. ML 3.4 (ISK).	
19	08	53	14.8%	39.114	N	27.539	E	10	G	0.2	5	TURKEY. ML 2.7 (ISK).	
19	09	01	31.9%	39.565	N	22.421	E	33	N	0.4	7	GREECE	
19	09	03	34.2%	39.679	N	29.509	E	5	G	0.7	5	TURKEY. ML 2.6 (ISK).	
19	09	13	33.3*	13.151	N	145.767	E	33	N	4.3	1.5	25	MARIANA ISLANDS
19	09	13	40.22	39.71	N	29.43	E	10	G	0.9	4	TURKEY. ML 2.5 (ISK).	
19	09	14	37.0%	37.564	N	118.884	W	6			84	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.6 (GM). ML 3.7 (BRK), 3.5 (GS).	
19	09	37	11.5?	39.69	N	29.44	E	10	G	0.8	4	TURKEY. ML 2.6 (ISK).	
19	09	52	59.1%	39.079	N	27.587	E	10	G	0.1	5	TURKEY. ML 2.7 (ISK).	
19	10	01	29.7*	16.207	S	71.621	W	139	*	4.4	1.6	11	SOUTHERN PERU
19	10	04	28.8	35.089	N	52.094	E	18	D	4.6	1.0	67	NORTHERN IRAN
19	10	26	33.8%	59.203	N	154.495	W	0			25	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).	
19	10	28	02.62	44.13	N	7.37	E	10	G	1.4	7	NORTHERN ITALY. ML 2.5 (LDG).	

19	10	34	26.72	47.58	N	12.96	E	10	G		1.5	4	AUSTRIA. ML 1.7 (VIE).
19	10	39	33.0*	13.492	N	143.545	E	10	G	4.1	0.9	10	SOUTH OF MARIANA ISLANDS
19	10	59	06.12	66.54	N	14.76	E	10	G		0.5	4	NORTHERN NORWAY. MD 2.0 (BER).
19	11	26	08.92	30.58	S	68.16	W	33	N	4.5	1.2	20	SAN JUAN PROVINCE, ARGENTINA
19	12	53	25.82	35.18	N	5.11	W	10	G		0.9	6	STRAIT OF GIBRALTAR
19	13	28	56.06	40.224	N	29.240	E	10	G		0.2	5	TURKEY. ML 2.6 (ISK).
19	13	35	51.0	7.926	S	146.468	E	26	D	5.3	0.9	73	EASTERN NEW GUINEA REG., P.N.G.
19	13	36	15.9*	40.310	N	23.161	E	10	G		1.3	9	GREECE
19	13	39	01.3	35.939	N	115.740	W	5	G		0.8	10	CALIFORNIA-NEVADA BORDER REGION. ML 2.7 (PAS).
19	13	42	17.42	31.47	S	68.80	W	100	G		0.5	4	SAN JUAN PROVINCE, ARGENTINA
19	14	01	29.36	60.323	N	152.478	W	91				51	SOUTHERN ALASKA. <AEIC>.
19	14	26	56.42	33.20	N	71.98	E	33	N	4.7	0.6	6	PAKISTAN
19	14	31	26.22	39.094	N	27.569	E	10	G		0.5	5	TURKEY. ML 2.5 (ISK).
19	14	31	41.2	40.162	N	20.420	E	5	G		1.3	18	GREECE-ALBANIA BORDER REGION. MD 3.5 (ATH). ML 3.1 (TIR).
19	14	32	19.4	48.076	N	7.628	E	10	G		1.1	18	FRANCE. ML 2.7 (LDG), 2.1 (STR).
19	14	48	26.9*	39.039	N	27.566	E	10	G		0.3	5	TURKEY. ML 2.7 (ISK).
19	15	00	48.72	36.61	N	24.57	W	10	G	4.2	0.6	23	AZORES ISLANDS REGION
a 19	15	21	38.2	7.197	N	126.807	E	31	D	5.4 5.5	1.2	190	MINDANAO, PHILIPPINE ISLANDS. Mw 5.9 (HRV). Ms 5.6 (BRK). Felt (III RF) at Bislig.
19	15	32	20.1*	67.123	N	20.977	E	10	G		0.8	6	SWEDEN. MD 3.3 (BER).
19	15	33	05.5	18.431	N	70.329	W	23	D	5.2 5.3	1.0	219	DOMINICAN REPUBLIC REGION. MD 5.7 (TRN). Felt strongly at Santo Domingo. Felt throughout the Dominican Republic.
19	15	34	39.4*	13.101	N	145.915	E	33	N	4.3	1.3	8	MARIANA ISLANDS
19	15	54	39.42	40.17	N	26.56	E	10	G		0.5	4	TURKEY. ML 2.6 (ISK).
19	15	56	06.5*	38.177	N	28.111	E	5	G		0.6	10	TURKEY. ML 3.1 (ISK).
19	16	23	29.9	28.950	N	142.041	E	35	D	5.0 4.7	1.2	93	BONIN ISLANDS REGION
19	16	55	02.8*	31.185	S	68.305	W	100	G		0.2	5	SAN JUAN PROVINCE, ARGENTINA
19	16	56	50.4*	43.679	N	87.843	E	33	N	4.4	1.2	13	NORTHERN XINJIANG, CHINA
19	17	08	33.1*	36.278	N	120.397	W	10				13	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM). ML 2.8 (PAS).
19	17	11	31.2*	36.278	N	120.401	W	9				34	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 3.0 (PAS), 2.9 (GS).
19	17	39	53.4*	40.264	N	23.042	E	10	G		0.1	6	GREECE
19	18	30	34.2*	53.114	N	171.529	W	121	*	4.2	0.8	13	FOX ISLANDS, ALEUTIAN ISLANDS
19	19	10	25.32	39.46	N	26.50	E	5	G		0.2	4	TURKEY. ML 2.7 (ISK).
19	19	43	13.1	44.803	N	110.941	W	5	G		0.7	42	YELLOWSTONE REGION, WYOMING. ML 3.6 (GS), 3.7 (BUT).
19	19	49	41.4	39.410	N	26.381	E	10	G		0.6	29	TURKEY. ML 3.6 (ISK). MD 3.6 (ATH).
19	20	57	19.02	31.50	S	68.89	W	100	G		0.5	4	SAN JUAN PROVINCE, ARGENTINA
19	21	35	57.6*	41.049	N	29.277	E	10	G		0.6	7	TURKEY. ML 2.7 (ISK).
a 19	21	52	05.2	7.167	N	126.743	E	31	D	5.3 4.8	1.1	133	MINDANAO, PHILIPPINE ISLANDS. Mw 5.5 (HRV). Felt (II RF) at Bislig.
19	22	01	33.8	42.763	N	145.812	E	33	N	4.6	1.1	29	HOKKAIDO, JAPAN REGION
19	22	08	51.5*	37.777	N	14.522	E	10	G		1.7	5	SICILY
19	22	11	50.5*	12.888	N	145.328	E	33	N	4.6	1.5	15	SOUTH OF MARIANA ISLANDS
19	22	48	28.62	12.27	N	86.47	W	33	N	3.7	1.6	8	NICARAGUA
19	22	50	01.8*	46.912	N	6.943	E	10	G		1.2	6	SWITZERLAND. ML 2.2 (LDG).
19	23	19	19.92	13.19	N	144.35	E	33	N	3.9	1.5	8	MARIANA ISLANDS
20	00	19	23.2*	38.796	N	142.648	E	26	D	4.6	1.6	30	NEAR EAST COAST OF HONSHU, JAPAN
20	01	30	18.5*	38.851	N	26.946	E	10	G		0.4	9	AEGEAN SEA. ML 3.4 (ISK).
20	01	36	03.9*	39.471	N	27.544	E	10	G		0.7	5	TURKEY. ML 2.6 (ISK).
20	02	11	08.5*	19.017	N	106.107	W	32	D	4.4	1.3	34	OFF COAST OF JALISCO, MEXICO
20	03	16	10.8*	42.622	N	19.045	E	10	G		1.0	11	NORTHWESTERN BALKAN REGION. ML 2.6 (TIR).
20	03	44	52.3*	41.795	N	15.352	E	10	G		0.8	13	SOUTHERN ITALY
20	03	47	50.7	18.928	N	106.055	W	33	N	4.2	1.2	35	OFF COAST OF JALISCO, MEXICO
20	04	00	09.9	33.647	S	70.541	W	13			1.4	19	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
20	04	37	25.0*	18.344	N	103.093	W	33	N		1.0	9	NEAR COAST OF MICHOACAN, MEXICO
20	04	46	08.8	41.829	N	20.101	E	10	G		1.0	54	ALBANIA. ML 3.2 (TIR).
20	04	53	40.4*	62.066	N	146.927	W	44				46	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
f 20	05	06	53.8	5.997	S	142.743	E	15	G	6.0 6.0	1.1	475	NEW GUINEA, PAPUA NEW GUINEA. Mw 6.2 (GS), 6.2 (HRV). Ms 6.4 (BRK). Mo=1.2*10**18 Nm (PPT). Five people injured and damage in the Tari area. Depth from broadband displacement seismograms.
20	06	26	00.7*	38.423	N	21.968	E	10	G		1.1	6	GREECE. MD 3.2 (ATH).
20	06	35	10.0*	1.321	S	80.490	W	33	N	4.8	1.3	27	NEAR COAST OF ECUADOR. Felt along the coast of Ecuador.
20	06	37	53.5*	29.546	N	105.672	E	10	G	4.5	1.6	16	SICHUAN, CHINA. ML 4.5 (BJI).
20	07	07	08.02	43.55	N	7.93	E	10	G		0.3	8	NEAR SOUTH COAST OF FRANCE. ML 2.1 (GEN).
20	07	07	37.12	0.44	S	123.16	E	49	?	4.6	1.2	13	MINAHASSA PENINSULA, SULAWESI
20	07	15	54.0*	51.367	N	179.294	E	33	N	4.7	1.0	21	RAT ISLANDS, ALEUTIAN ISLANDS
20	07	28	59.0*	45.043	N	7.311	E	10	G		0.8	5	NORTHERN ITALY. ML 1.9 (GEN).
20	07	46	35.2*	44.900	N	6.525	E	5	G		0.3	5	FRANCE. ML 2.2 (GEN).
20	08	01	11.2*	39.122	N	27.588	E	10	G		0.7	5	TURKEY. ML 2.7 (ISK).
20	08	05	07.3*	39.093	N	27.483	E	10	G		0.3	5	TURKEY. ML 2.7 (ISK).
20	08	54	16.7*	39.696	N	29.477	E	5	G		0.6	5	TURKEY. ML 2.6 (ISK).
20	09	12	49.02	39.08	N	27.60	E	10	G		0.3	4	TURKEY. ML 2.5 (ISK).
20	09	20	53.82	11.86	S	165.62	E	33	N	4.9	0.7	9	SANTA CRUZ ISLANDS
20	10	10	20.3*	28.127	N	53.879	E	65	?	4.1	1.4	12	SOUTHERN IRAN
20	10	52	16.7*	12.917	N	145.217	E	33	N	4.2	1.6	9	SOUTH OF MARIANA ISLANDS
20	11	08	32.32	30.77	S	69.55	W	120	G		0.6	4	CHILE-ARGENTINA BORDER REGION
20	11	12	35.6*	39.613	N	29.417	E	10	G		0.6	7	TURKEY. ML 2.7 (ISK).
a 20	11	23	58.0	15.250	S	173.193	W	23	D	5.1 5.1	1.1	86	TONGA ISLANDS. Mw 5.5 (HRV). Ms 4.7 (BRK).
a 20	11	32	32.5*	22.566	S	66.288	W	250	G		0.9	5	JUJUY PROVINCE, ARGENTINA
a 20	11	52	04.6	21.686	N	143.064	E	288	D	5.3	1.0	294	MARIANA ISLANDS REGION. Mw 5.5 (HRV).
20	11	59	56.72	39.08	N	27.50	E	10	G		1.0	4	TURKEY. ML 2.6 (ISK).
20	12	12	01.0*	42.604	N	23.991	E	10	G		0.6	6	BULGARIA
20	12	27	55.22	39.93	N	29.17	E	10	G		0.6	4	TURKEY. ML 2.4 (ISK).
20	13	06	15.6	18.552	N	102.709	W	69		4.4	1.2	70	MICHOACAN, MEXICO
20	13	16	41.4*	31.835	S	72.021	W	33	N		0.7	13	OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).
20	13	45	38.8*	41.101	N	28.480	E	10	G		0.7	5	TURKEY. ML 2.8 (ISK).
20	13	45	41.62	46.69	N	1.80	W	10	G		1.0	9	FRANCE. ML 2.8 (LDG).
20	14	21	56.2*	39.933	N	28.163	E	10	G		0.8	6	TURKEY. ML 2.8 (ISK).
20	15	11	56.62	2.30	S	128.18	E	33	N	4.6	1.3	7	CERAM SEA
20	16	42	07.4*	60.053	N	152.637	W	97				51	SOUTHERN ALASKA. <AEIC>.

20	16 56 33.3	26.662 S	178.271 E	638 *	4.9	0.9	67	SOUTH OF FIJI ISLANDS
20	16 56 36.3	31.311 S	68.493 W	100 G		1.4	7	SAN JUAN PROVINCE, ARGENTINA
20	16 57 22.3	49.663 N	155.950 E	47 D	4.8 4.4	0.8	97	KURIL ISLANDS
20	17 28 57.4	13.488 N	143.985 E	33 N	4.0	0.8	9	SOUTH OF MARIANA ISLANDS
20	18 12 29.7	17.088 N	95.240 W	114 *	4.1	1.5	16	OAXACA, MEXICO
a 20	18 57 10.7	25.991 S	175.261 W	22 D	5.5 5.1	1.0	195	SOUTH OF TONGA ISLANDS. Mw 5.4 (HRV). Mo=3.1*10**17 Nm (PPT).
20	19 24 44.2	26.97 S	27.05 E	5 G	3.8	1.4	5	REPUBLIC OF SOUTH AFRICA
20	19 59 10.3	25.614 N	123.558 E	215 D	4.7	0.9	97	NORTHEAST OF TAIWAN
20	20 01 27.3	43.81 N	8.49 E	10 G		0.7	7	CORSICA. ML 2.2 (GEN).
20	20 41 02.9	40.690 N	23.436 E	5 G		0.6	6	GREECE
20	21 02 10.4	31.264 S	68.454 W	104 ?		0.5	6	SAN JUAN PROVINCE, ARGENTINA
20	21 10 25.8	35.162 N	4.356 W	10 G		0.9	16	STRAIT OF GIBRALTAR. MD 3.1 (RBA). mbLg 3.0 (MDD).
20	21 12 48.8	12.690 N	144.748 E	33 N	4.5	0.8	11	SOUTH OF MARIANA ISLANDS
20	21 22 47.9	54.816 N	160.017 W	33 N	4.7	0.8	106	ALASKA PENINSULA. ML 4.6 (PMR). Felt (III) at Sand Point.
20	23 10 00.4	28.764 N	34.687 E	10 G	4.5	1.4	51	EGYPT. ML 4.8 (BHL).
20	23 59 25.2	44.835 N	9.813 E	10 G		1.0	7	NORTHERN ITALY
21	00 18 26.2	10.19 S	127.22 E	33 N		1.1	5	TIMOR SEA
21	01 44 25.9	71.493 N	6.181 E	10 G	4.2	0.8	18	NORWEGIAN SEA
21	01 46 33.7	61.116 N	151.161 W	53			50	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
21	01 46 38.4	34.029 N	116.321 W	9	4.6		112	SOUTHERN CALIFORNIA. <PAS-P>. ML 5.0 (PAS), 4.7 (GS), 4.7 (BRK). Felt (V) at Morongo Valley and Yucca Valley; (IV) at La Quinta, Palm Desert and Pioneertown; (III) at Apple Valley, Escondido, Fallbrook, Loma Linda and Victorville; (II) at Beaumont and Highland. Felt in Riverside and San Bernardino Counties. Also felt in parts of Los Angeles, Orange and San Diego Counties.
21	02 57 36.4	39.051 N	27.229 E	10 G		0.7	5	TURKEY. ML 2.8 (ISK).
21	03 26 51.5	34.353 N	116.903 W	5			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
21	04 49 45.2	29.760 N	137.468 E	531	4.9	0.8	137	SOUTH OF HONSHU, JAPAN
21	05 30 03.0	31.66 S	68.57 W	100 G		0.3	4	SAN JUAN PROVINCE, ARGENTINA
21	06 19 35.9	39.63 N	29.54 E	5 G		1.3	4	TURKEY. ML 2.6 (ISK).
21	06 40 50.1	37.94 N	27.37 E	10 G		0.6	4	TURKEY. ML 3.1 (ISK).
21	07 41 29.5	48.34 N	146.57 E	458 *	4.1	1.2	15	SEA OF OKHOTSK
21	07 44 14.7	38.85 N	15.67 E	200 G		0.7	4	SICILY
21	07 47 25.0	33.187 S	71.885 W	11		1.1	16	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).
21	07 50 11.3	39.537 N	29.526 E	10 G		0.4	5	TURKEY. ML 2.7 (ISK).
21	07 51 56.5	46.440 N	153.671 E	33 N	4.6	1.0	36	KURIL ISLANDS
21	08 04 09.9	39.098 N	27.582 E	10 G		0.5	6	TURKEY. ML 2.7 (ISK).
21	08 07 16.3	67.410 N	145.885 W	10 G			24	NORTHERN ALASKA. <AEIC>. ML 3.7 (AEIC), 4.1 (PMR).
a 21	08 07 49.9	46.404 S	96.032 E	10 G	5.2 5.5	1.1	35	SOUTHEAST INDIAN RIDGE. Mw 5.7 (HRV).
21	08 10 14.8	67.475 N	145.220 W	11			11	NORTHERN ALASKA. <AEIC>. ML 3.2 (AEIC).
21	08 15 09.4	39.72 N	29.57 E	10 G		1.4	4	TURKEY. ML 2.6 (ISK).
21	08 22 10.6	31.129 S	68.418 W	104 ?		0.7	6	SAN JUAN PROVINCE, ARGENTINA
21	08 51 42.8	6.568 N	126.972 E	63	4.7	1.1	79	MINDANAO, PHILIPPINE ISLANDS
21	09 01 55.4	39.669 N	29.423 E	10 G		0.3	5	TURKEY. ML 2.6 (ISK).
21	09 25 21.6	38.337 N	27.035 E	10 G		0.8	10	TURKEY. ML 3.3 (ISK).
21	09 39 21.5	44.360 N	7.068 E	10 G		0.6	5	NORTHERN ITALY. ML 1.8 (GEN).
a 21	09 42 35.9	21.278 S	178.023 W	427 G	5.7	1.1	482	FIJI ISLANDS REGION. Mw 6.1 (HRV). mb 6.0 (BRK). Mo=3.3*10**18 Nm (PPT). Depth from broadband displacement seismograms.
21	09 43 17.7	44.380 N	7.250 E	10 G		0.4	10	NORTHERN ITALY. ML 1.9 (GEN).
21	09 44 36.9	40.625 N	29.459 E	10 G		0.5	5	TURKEY. ML 2.4 (ISK).
21	09 49 38.7	39.226 N	21.861 E	10 G		1.3	12	GREECE. ML 3.1 (ATH), 2.7 (THE).
21	10 31 24.1	67.385 N	146.152 W	10			11	NORTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
21	11 03 23.3	58.382 N	153.199 W	57	3.5		57	KODIAK ISLAND REGION. <AEIC>. ML 3.2 (AEIC).
21	11 44 59.9	41.111 N	24.413 E	10 G		0.8	6	GREECE-BULGARIA BORDER REGION. ML 2.2 (THE).
21	12 38 10.5	39.12 N	27.59 E	10 G		0.4	4	TURKEY. ML 2.7 (ISK).
21	12 46 17.0	39.556 N	29.581 E	10 G		0.7	5	TURKEY. ML 2.8 (ISK).
21	13 10 46.9	11.23 N	86.46 W	33 N	4.4	1.1	21	NEAR COAST OF NICARAGUA
21	13 25 48.1	39.09 N	27.63 E	10 G		0.4	4	TURKEY. ML 2.7 (ISK).
21	13 45 46.0	39.642 N	29.457 E	10 G		0.8	5	TURKEY. ML 2.6 (ISK).
21	14 40 18.2	44.804 N	7.514 E	27 *		0.7	11	NORTHERN ITALY. ML 2.4 (GEN).
21	14 46 44.3	39.66 N	29.41 E	10 G		1.1	4	TURKEY. ML 2.5 (ISK).
21	15 08 10.2	34.164 N	116.434 W	3			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS). Felt.
21	15 37 52.2	40.651 N	22.130 E	10 G		0.6	6	GREECE. ML 2.0 (THE).
21	15 41 14.6	27.359 N	55.922 E	33 N	4.3	1.2	27	SOUTHERN IRAN
21	16 05 27.1	44.51 N	7.23 E	10 G		0.2	4	NORTHERN ITALY. ML 1.7 (GEN).
21	16 25 59.9	24.154 S	67.032 W	215 *		0.8	12	CHILE-ARGENTINA BORDER REGION
21	16 32 54.2	31.28 S	69.15 W	120 G		0.7	4	SAN JUAN PROVINCE, ARGENTINA
21	16 34 46.4	18.61 N	65.88 W	10 G		0.6	5	PUERTO RICO REGION
21	17 46 15.4	31.680 S	69.321 W	114 ?		0.4	6	SAN JUAN PROVINCE, ARGENTINA
21	19 43 15.7	34.959 N	4.354 W	10 G		1.2	12	MOROCCO. mbLg 2.8 (MDD).
21	19 49 04.3	44.369 N	7.299 E	10 G		0.6	10	NORTHERN ITALY. ML 2.1 (GEN).
21	19 57 23.1	54.45 S	136.60 W	10 G	4.7 4.9	1.5	31	PACIFIC-ANTARCTIC RIDGE
21	20 03 37.2	67.477 N	146.160 W	7	4.7 4.1		136	NORTHERN ALASKA. <AEIC>. ML 4.6 (AEIC). Felt (III) at Venetie.
21	20 05 08.0	45.795 N	11.635 E	10 G		1.1	14	NORTHERN ITALY. ML 2.4 (VIE).
21	20 23 10.4	46.93 N	13.48 E	5 G		0.2	4	AUSTRIA. ML 1.5 (VIE).
21	20 59 02.2	35.31 S	70.91 W	12		1.5	8	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
21	22 19 09.1	44.518 N	149.414 E	21 *	4.7	1.0	67	KURIL ISLANDS
21	23 45 59.4	31.35 S	69.20 W	120 G		0.5	6	SAN JUAN PROVINCE, ARGENTINA
22	00 00 52.5	32.97 S	71.92 W	33		0.9	13	NEAR COAST OF CENTRAL CHILE. MD 3.8 (SAN).
22	01 01 12.1	13.14 N	144.07 E	10 G	4.1	1.5	7	MARIANA ISLANDS
22	01 53 04.7	14.255 N	56.262 E	10 G	4.8 3.8	1.1	66	ARABIAN SEA
22	02 08 35.1	33.785 S	68.472 W	10		1.3	22	MENDOZA PROVINCE, ARGENTINA. MD 4.6 (SAN).
22	04 06 33.9	39.028 N	27.831 E	10 G		0.2	6	TURKEY. ML 2.9 (ISK).
22	04 26 07.3	8.886 S	74.517 W	164 *	4.4	1.0	32	PERU-BRAZIL BORDER REGION
22	05 35 34.0	38.927 N	29.920 E	10 G		0.7	5	TURKEY. ML 2.8 (ISK).
22	05 45 51.5	34.163 N	116.435 W	2			7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS). Felt.
22	06 26 40.0	39.147 N	27.954 E	10 G		0.5	13	TURKEY. ML 3.3 (ISK).
22	07 08 37.1	25.64 N	36.32 E	10 G	4.2	0.5	7	WESTERN ARABIAN PENINSULA

22	07 13 30.4*	54.938 N	164.463 E	33 N	4.3	1.1	11	KOMANDORSKY ISLANDS REGION
22	08 12 47.3?	39.08 N	27.60 E	10 G		1.0	4	TURKEY. ML 2.6 (ISK).
22	08 18 20.1	33.785 N	118.218 W	10			5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.3 (PAS). Felt in the Long Beach area.
22	08 25 11.2%	39.140 N	27.575 E	10 G		0.6	6	TURKEY. ML 2.9 (ISK).
22	08 38 35.9	40.489 N	21.831 E	5 G		0.6	9	GREECE. ML 2.4 (THE).
22	09 02 38.8?	17.30 N	65.69 W	10 G		0.3	7	PUERTO RICO REGION
22	09 32 58.4%	39.119 N	27.613 E	10 G		0.5	5	TURKEY. ML 2.7 (ISK).
22	09 34 02.4%	39.065 N	27.595 E	10 G		0.4	5	TURKEY. ML 2.6 (ISK).
a 22	10 02 11.2	14.238 N	90.701 W	108	5.0	1.1	237	GUATEMALA. Mw 5.8 (HRV). Mo=7.7*10**17 Nm (PPT). Felt (IV) at San Salvador, El Salvador. Also felt in western Ahuachapan and Sonsonate Departments, El Salvador.
22	11 12 17.5	43.004 N	0.357 W	10 G		1.1	9	PYRENEES. ML 2.5 (LDG).
22	11 29 48.0	44.047 N	7.185 E	10 G		0.5	23	NORTHERN ITALY. ML 2.3 (GEN), 2.1 (LDG).
22	11 41 30.2?	39.55 N	29.53 E	10 G		0.9	6	TURKEY. ML 2.7 (ISK).
22	12 26 23.4%	38.984 N	28.203 E	10 G		0.4	6	TURKEY. ML 2.7 (ISK).
22	12 54 12.6?	59.32 S	26.05 W	33 N	5.0	1.2	17	SOUTH SANDWICH ISLANDS REGION
22	13 24 08.7?	59.42 N	5.81 E	10 G		0.3	4	SOUTHERN NORWAY. MD 2.0 (BER).
22	13 40 59.3	40.133 N	19.731 E	5 G		1.1	16	ALBANIA. ML 3.2 (THE), 2.8 (TIR). MD 3.3 (ATH).
22	13 55 53.8%	31.292 S	68.123 W	100 G		0.3	7	SAN JUAN PROVINCE, ARGENTINA
22	14 01 03.6?	22.11 S	179.91 E	600 G	4.8	1.2	19	SOUTH OF FIJI ISLANDS
22	14 46 17.1	10.514 N	62.599 W	113 *		0.6	29	NEAR COAST OF VENEZUELA. MD 4.3 (TRN).
22	14 51 32.3*	0.347 S	122.611 E	101 ?	4.3	1.1	10	MINAHASSA PENINSULA, SULAWESI
22	15 07 30.9%	32.002 S	69.143 W	120 G		0.4	6	MENDOZA PROVINCE, ARGENTINA
22	15 17 42.9%	44.606 N	6.115 E	10 G		0.5	6	FRANCE. ML 2.3 (LDG).
22	16 03 03.8?	46.12 S	96.21 E	10 G	3.9	0.8	6	SOUTHEAST INDIAN RIDGE
22	16 31 02.8%	60.401 N	152.085 W	79			70	SOUTHERN ALASKA. <AEIC>.
22	16 58 13.4	44.056 N	7.163 E	11		0.5	16	NORTHERN ITALY. ML 2.3 (GEN).
22	17 01 20.6%	44.280 N	7.322 E	10 G		0.1	5	NORTHERN ITALY. ML 1.6 (GEN).
22	17 51 56.1	45.862 N	14.422 E	10 G		0.9	8	NORTHWESTERN BALKAN REGION. MD 2.6 (TRI). ML 2.4 (VIE). Felt (IV) at Ig, Strahomer and Zapotok, Slovenia.
22	18 08 31.9	36.485 N	117.612 W	5 G		0.7	38	CALIFORNIA-NEVADA BORDER REGION. ML 3.8 (BRK), 3.4 (PAS), 3.2 (GS).
22	18 13 46.2	36.488 N	117.669 W	5 G		0.4	22	CALIFORNIA-NEVADA BORDER REGION. ML 2.8 (PAS), 2.7 (GS).
22	18 15 17.1	44.847 N	11.196 E	10 G		0.9	11	NORTHERN ITALY. ML 2.8 (VIE).
22	18 15 37.0?	31.44 S	69.06 W	138 ?		0.1	6	SAN JUAN PROVINCE, ARGENTINA
22	18 27 17.4?	44.99 N	6.99 E	5 G		0.3	4	FRANCE. ML 2.0 (GEN).
22	18 53 23.5	47.922 N	7.350 E	10 G		0.6	9	SWITZERLAND. ML 2.3 (LDG), 1.8 (STR).
22	19 34 50.8%	44.249 N	8.268 E	5 G		0.5	7	NORTHERN ITALY. ML 1.7 (GEN).
22	19 35 12.3?	44.26 N	8.21 E	10 G		0.3	4	NORTHERN ITALY. ML 1.4 (GEN).
22	19 40 39.7%	44.230 N	8.276 E	10 G		0.3	8	NORTHERN ITALY. ML 2.3 (GEN).
22	19 40 56.1%	44.269 N	8.217 E	5 G		0.4	8	NORTHERN ITALY. ML 2.2 (GEN).
22	19 45 20.2	48.120 N	7.703 E	10 G		0.3	8	FRANCE. ML 2.2 (LDG), 1.8 (STR).
22	19 46 54.3	0.577 S	123.283 E	109 *	4.9	0.8	28	MINAHASSA PENINSULA, SULAWESI
22	20 01 23.7%	31.917 S	67.746 W	10 G		1.2	7	SAN JUAN PROVINCE, ARGENTINA
22	20 43 01.0?	18.19 N	66.89 W	10 G		0.9	6	PUERTO RICO REGION
22	20 54 45.1%	44.263 N	8.230 E	5 G		0.5	8	NORTHERN ITALY. ML 2.3 (GEN).
22	20 54 55.7%	44.257 N	8.195 E	5 G		0.4	7	NORTHERN ITALY. ML 2.3 (GEN).
22	21 00 25.3*	30.774 N	141.568 E	10 G	4.9	0.9	14	SOUTH OF HONSHU, JAPAN
22	21 18 23.0?	44.21 N	6.36 E	5 G		0.4	5	FRANCE. ML 2.0 (GEN).
22	21 24 50.1?	44.32 N	6.74 E	5 G		0.1	4	FRANCE. ML 1.9 (GEN).
22	21 41 40.2?	38.94 N	15.82 E	184 ?		1.3	8	SICILY
22	22 02 27.2	39.395 N	73.391 E	33 N	4.4	1.1	25	TAJIKISTAN-XINJIANG BORDER REG. ML 4.3 (BJI).
22	22 06 41.4%	40.448 N	23.193 E	5 G		0.6	7	GREECE. ML 1.9 (THE).
22	22 44 11.7	35.577 N	23.344 E	52 *	3.8	1.1	40	CRETE. MD 3.7 (ATH).
22	23 46 56.1	36.992 N	21.969 E	58 *	3.9	1.2	38	SOUTHERN GREECE. MD 3.7 (ATH).
23	00 11 41.1?	31.70 S	69.47 W	120 G		0.3	4	SAN JUAN PROVINCE, ARGENTINA
23	00 26 44.2	44.372 N	6.944 E	8		0.5	24	FRANCE. ML 2.2 (GEN), 2.1 (LDG).
23	00 55 32.7%	37.971 N	27.100 E	10 G		0.3	6	TURKEY. ML 3.3 (ISK).
23	03 21 13.9*	15.550 S	72.473 W	120 G		0.6	6	SOUTHERN PERU
23	04 26 11.8%	31.273 S	68.648 W	100 G		0.5	8	SAN JUAN PROVINCE, ARGENTINA
23	05 19 31.5	17.739 S	178.394 W	591 *	4.6	1.1	38	FIJI ISLANDS REGION
23	05 19 35.2*	51.652 N	16.924 E	10 G		1.0	5	POLAND
23	05 21 43.3	30.035 N	67.921 E	25 D	5.0 4.6	0.9	166	PAKISTAN
23	05 29 47.6	43.576 N	109.921 W	5 G		0.7	19	WYOMING. ML 3.0 (GS), 3.1 (BUT).
23	07 07 26.3?	31.57 S	68.97 W	100 G		0.7	5	SAN JUAN PROVINCE, ARGENTINA
23	07 16 18.7%	46.994 N	0.655 W	10 G		1.0	7	FRANCE. ML 2.7 (LDG).
23	07 31 45.9?	40.67 N	30.18 E	10 G		0.1	4	TURKEY. ML 2.5 (ISK).
23	07 53 06.9?	38.97 N	27.75 E	10 G		0.5	5	TURKEY. ML 2.7 (ISK).
23	08 00 11.1%	39.156 N	27.506 E	10 G		0.4	5	TURKEY. ML 2.7 (ISK).
23	08 14 46.1?	39.63 N	29.56 E	10 G		1.0	4	TURKEY. ML 2.6 (ISK).
23	08 23 02.4%	39.863 N	28.914 E	10 G		0.7	12	TURKEY. ML 2.8 (ISK).
23	08 40 39.4*	27.801 S	67.698 W	196 ?		0.8	8	CATAMARCA PROVINCE, ARGENTINA
23	08 52 23.9%	39.068 N	27.651 E	10 G		0.4	5	TURKEY. ML 2.6 (ISK).
23	09 03 17.6	25.306 N	128.141 E	39 D	5.1 4.7	1.3	111	RYUKYU ISLANDS
23	09 22 29.0?	39.54 N	29.59 E	10 G		1.1	5	TURKEY. ML 2.7 (ISK).
23	09 27 09.9?	42.98 N	12.43 E	10 G		0.3	4	CENTRAL ITALY
23	09 38 59.4?	14.11 N	145.55 E	33 N	4.0	0.4	7	MARIANA ISLANDS
23	09 52 22.3%	41.162 N	28.481 E	10 G		0.5	10	TURKEY. ML 2.7 (ISK).
23	09 54 00.8%	44.259 N	7.307 E	14 *		0.5	9	NORTHERN ITALY. ML 2.0 (GEN).
23	09 54 32.7?	16.62 N	61.94 W	110 G		0.4	5	LEEWARD ISLANDS
23	10 01 42.7	14.302 S	167.214 E	197 *	4.8	1.1	115	VANUATU ISLANDS
23	10 43 09.6?	3.90 S	130.90 E	33 N	4.3	0.2	5	SERAM, INDONESIA
23	10 46 25.6?	39.17 N	27.92 E	10 G		1.1	4	TURKEY. ML 2.7 (ISK).
23	11 17 56.3%	39.129 N	27.601 E	10 G		0.2	6	TURKEY. ML 2.8 (ISK).
23	11 44 03.9%	39.234 N	27.757 E	10 G		0.6	6	TURKEY. ML 2.7 (ISK).
23	12 05 43.4	22.405 N	99.347 W	33 N	4.0	1.0	35	CENTRAL MEXICO
23	12 07 40.1	36.401 N	141.994 E	35 D	5.1 4.7	1.1	132	NEAR EAST COAST OF HONSHU, JAPAN
23	12 10 55.3?	18.16 N	66.83 W	33 N		0.5	6	PUERTO RICO REGION
23	12 26 07.6%	68.407 N	147.124 W	10 G			7	NORTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
23	12 38 52.0%	28.330 S	67.378 W	140 G		0.4	7	LA RIOJA PROVINCE, ARGENTINA
23	13 07 29.5%	39.150 N	27.591 E	10 G		0.7	6	TURKEY. ML 2.6 (ISK).

23	13	12	13.8	42.033	N	106.837	W	5	G	0.5	10	WYOMING. ML 3.0 (GS).
23	13	15	11.5	41.802	N	139.548	E	20	D	5.0	1.1	135 HOKKAIDO, JAPAN REGION
23	13	30	55.5*	12.909	N	143.933	E	33	N	4.3	1.2	12 SOUTH OF MARIANA ISLANDS
23	14	46	56.1%	41.373	N	24.321	E	5	G	0.4	6	GREECE-BULGARIA BORDER REGION. ML 2.3 (THE).
23	15	03	26.7%	38.811	N	122.832	W	2			43	NORTHERN CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.5 (GS).
23	15	20	30.3%	34.188	N	117.042	W	9			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.9 (PAS).
23	15	24	53.7	17.445	N	65.711	W	33	N	0.5	11	PUERTO RICO REGION
23	15	48	33.1%	31.402	S	67.860	W	10	G	0.3	6	SAN JUAN PROVINCE, ARGENTINA
23	15	54	38.1%	50.31	N	19.03	E	10	G	0.3	4	POLAND. ML 2.7 (WAR).
23	16	10	45.0%	15.08	N	60.81	W	33	N	0.2	4	LEEWARD ISLANDS. ML 2.1 (FDF).
23	16	45	55.7	39.057	N	16.819	E	95	*	4.0	1.0	33 SOUTHERN ITALY
23	16	48	53.8*	26.387	S	27.537	E	5	G	1.4	5	REPUBLIC OF SOUTH AFRICA. mbLg 3.5 (BUL).
23	17	09	52.1%	42.85	N	13.43	E	5	G	1.2	4	CENTRAL ITALY
23	17	35	01.1%	36.18	N	2.81	E	10	G	0.4	10	NORTHERN ALGERIA. mbLg 3.6 (MDD).
23	17	39	39.3%	39.266	N	29.243	E	5	G	0.4	6	TURKEY. ML 2.7 (ISK).
23	18	28	47.6%	13.66	N	120.75	E	10	G	1.2	4	MINDORO, PHILIPPINE ISLANDS
23	18	53	39.4*	10.255	N	93.965	E	33	N	4.6	0.8	15 ANDAMAN ISLANDS, INDIA
23	19	05	33.9*	10.479	N	94.309	E	20	D	4.7	1.3	25 ANDAMAN ISLANDS, INDIA
23	19	09	57.5%	10.26	N	93.77	E	21	D	4.6	1.2	10 ANDAMAN ISLANDS, INDIA
23	19	23	34.7*	10.302	N	94.087	E	33	N	4.7	1.1	20 ANDAMAN ISLANDS, INDIA
23	19	36	20.0	10.421	N	94.139	E	19	D	4.8	1.1	47 ANDAMAN ISLANDS, INDIA
23	19	39	08.4*	31.293	S	69.144	W	122	?		1.2	8 SAN JUAN PROVINCE, ARGENTINA
23	19	45	10.0*	10.302	N	94.156	E	23	D	4.5	1.2	15 ANDAMAN ISLANDS, INDIA
23	19	47	33.8*	42.751	N	21.622	E	10	G		1.3	6 NORTHWESTERN BALKAN REGION
23	19	51	10.5	30.045	N	67.891	E	32	D	4.8	1.0	125 PAKISTAN
23	19	58	23.2%	17.30	N	65.79	W	10	G		0.1	5 PUERTO RICO REGION
23	20	10	38.9	10.315	N	94.077	E	21	D	4.7	1.1	53 ANDAMAN ISLANDS, INDIA
23	20	34	19.7%	44.376	N	7.288	E	10	G		0.4	8 NORTHERN ITALY. ML 1.9 (GEN).
23	20	36	47.9	44.369	N	7.288	E	12			0.3	20 NORTHERN ITALY. ML 2.2 (GEN), 2.0 (LDG).
23	20	46	01.0*	10.218	N	94.295	E	23	D	4.6 4.5	1.2	20 ANDAMAN ISLANDS, INDIA
23	20	47	26.4*	13.335	N	119.978	E	10	G	4.8 4.1	1.4	11 PHILIPPINE ISLANDS REGION. Felt (II RF) at Puerto Galera.
a 23	21	02	59.8	15.582	S	172.859	W	33	N	5.1 5.0	1.1	136 SAMOA ISLANDS REGION. Mw 5.3 (HRV). Ms 5.0 (BRK). Mo=2.7*10**17 Nm (PPT).
23	21	25	10.6%	28.909	S	68.536	W	120	G		1.1	8 LA RIOJA PROVINCE, ARGENTINA
23	21	28	56.0%	18.272	N	102.950	W	33	N		0.4	5 MICHOACAN, MEXICO
23	21	35	43.7*	10.463	N	94.262	E	25	D	4.6 4.4	1.1	25 ANDAMAN ISLANDS, INDIA
23	21	40	34.5*	13.255	N	145.776	E	58	*	4.8	0.7	20 MARIANA ISLANDS
23	23	12	52.1*	46.389	N	12.639	E	10	G		0.3	6 NORTHERN ITALY. ML 1.7 (VIE).
23	23	19	56.7%	45.599	N	5.849	E	10	G		0.8	5 FRANCE. ML 2.1 (LDG).
23	23	20	35.0*	10.418	N	94.179	E	20	D	4.8	1.2	27 ANDAMAN ISLANDS, INDIA
23	23	48	39.1	36.958	N	22.878	E	10	G		0.3	6 SOUTHERN GREECE. ML 2.9 (ATH).
23	23	52	21.2%	42.74	N	13.22	E	10	G		0.3	4 CENTRAL ITALY
24	00	01	30.4	10.419	N	94.217	E	29	D	4.6	0.9	21 ANDAMAN ISLANDS, INDIA
24	00	46	17.7	12.157	N	86.455	W	166	D	4.8	1.2	187 NICARAGUA
24	01	20	49.5%	38.218	N	15.109	E	10	G		0.7	7 SICILY
24	02	25	25.6%	66.420	N	147.660	W	20			20	NORTHERN ALASKA. <AEIC>. ML 3.0 (AEIC).
24	03	21	10.6%	46.103	N	27.089	E	10	G		1.2	5 ROMANIA
24	03	37	44.2*	10.379	N	94.253	E	33	N	4.4	1.0	12 ANDAMAN ISLANDS, INDIA
24	03	44	10.7%	62.942	N	150.771	W	106			77	CENTRAL ALASKA. <AEIC>.
24	03	56	46.2	10.364	N	94.187	E	33	N	4.7	1.0	32 ANDAMAN ISLANDS, INDIA
24	04	30	32.7%	44.396	N	7.079	E	10	G		0.3	5 NORTHERN ITALY. ML 1.6 (GEN).
24	04	47	48.5%	39.113	N	27.923	E	13			0.7	12 TURKEY. ML 3.0 (ISK).
24	04	55	48.0	37.924	N	20.351	E	15			0.9	25 IONIAN SEA. ML 3.7 (ATH), 3.6 (THE), 3.5 (TIR).
24	05	05	13.4%	50.536	N	130.400	W	10	G	4.0	46	VANCOUVER ISLAND REGION. <PGC-P>. ML 4.0 (PGC).
24	05	33	38.5%	40.77	N	23.06	E	10	G		0.5	4 GREECE. ML 1.4 (THE).
24	05	33	57.1%	40.77	N	23.06	E	10	G		0.5	4 GREECE. ML 1.6 (THE).
24	05	49	49.4*	30.860	S	68.628	W	118	?		0.6	8 SAN JUAN PROVINCE, ARGENTINA
24	05	54	15.5*	8.431	N	127.022	E	33	N	4.2	1.3	8 PHILIPPINE ISLANDS REGION
24	05	54	21.5	37.026	N	22.981	E	8			1.2	11 SOUTHERN GREECE. ML 3.4 (THE), 3.1 (ATH).
24	06	52	12.3%	50.28	N	19.00	E	10	G		0.7	4 POLAND. ML 2.7 (WAR).
24	07	09	12.7%	40.172	N	23.061	E	10	G		0.8	8 GREECE. ML 2.0 (THE).
24	07	17	07.2%	38.681	N	27.798	E	10	G		0.5	5 TURKEY. ML 2.7 (ISK).
24	08	22	42.4%	39.244	N	27.748	E	10	G		0.4	8 TURKEY. ML 2.7 (ISK).
24	08	45	19.9%	38.447	N	0.085	E	10	G		0.4	6 SPAIN. mbLg 2.8 (MDD).
24	09	04	06.4%	60.236	N	140.436	W	7			36	SOUTHEASTERN ALASKA. <AEIC>. ML 3.1 (AEIC).
24	09	20	10.9%	39.48	N	29.56	E	10	G		0.7	4 TURKEY. ML 2.5 (ISK).
24	09	41	37.1%	39.55	N	29.68	E	10	G		0.8	4 TURKEY. ML 2.7 (ISK).
24	09	42	46.2%	6.27	N	72.25	W	33	N		0.1	4 NORTHERN COLOMBIA
24	09	47	22.6%	39.150	N	27.585	E	10	G		0.2	6 TURKEY. ML 2.7 (ISK).
24	10	18	01.9%	39.101	N	27.632	E	10	G		0.3	5 TURKEY. ML 2.7 (ISK).
24	11	42	04.6%	31.122	S	68.512	W	29	*		0.4	6 SAN JUAN PROVINCE, ARGENTINA
24	11	50	13.6%	30.78	S	116.86	E	10	G		0.5	4 WESTERN AUSTRALIA
24	11	51	00.6%	42.90	N	25.21	E	33	N		1.3	7 BULGARIA. ML 3.1 (THE).
24	11	54	15.1%	39.786	N	29.236	E	5	G		0.5	10 TURKEY. ML 2.8 (ISK).
24	12	13	04.9%	41.20	N	28.57	E	10	G		1.0	4 TURKEY. ML 2.6 (ISK).
24	13	17	56.8%	58.16	N	6.41	E	10	G		0.4	5 SOUTHERN NORWAY. MD 2.5 (BER).
24	13	50	45.1%	39.650	N	29.421	E	10	G		0.7	5 TURKEY. ML 2.7 (ISK).
24	14	08	48.2%	39.100	N	27.563	E	10	G		0.6	7 TURKEY. ML 2.7 (ISK).
24	14	11	23.5%	39.102	N	27.558	E	10	G		0.6	6 TURKEY. ML 2.7 (ISK).
24	14	27	33.0%	40.556	N	23.807	E	33	N		0.2	5 GREECE. ML 1.7 (THE).
24	14	29	38.1%	40.772	N	30.243	E	10	G		0.7	6 TURKEY. ML 2.7 (ISK).
24	15	11	30.3%	40.194	N	29.401	E	10	G		0.6	13 TURKEY. ML 3.0 (ISK).
24	15	33	36.7*	9.743	N	126.633	E	44	?	3.6	0.8	12 MINDANAO, PHILIPPINE ISLANDS
24	15	35	51.6%	39.85	N	27.34	E	10	G		0.5	4 TURKEY. ML 2.6 (ISK).
24	16	30	55.1	43.135	N	12.291	E	10	G		0.6	7 CENTRAL ITALY
24	16	39	58.6%	38.656	N	15.626	E	10	G		1.0	6 SICILY
24	17	12	10.7%	45.74	N	154.24	E	33	N	4.4	1.2	9 EAST OF KURIL ISLANDS
24	17	47	30.4	20.641	N	71.365	E	25	D	5.0 4.7	1.1	92 SOUTHERN INDIA. Felt along the coasts of Gujarat and Maharashtra.
24	19	08	01.8*	22.645	S	12.538	W	10	G	4.7	1.0	27 SOUTHERN MID-ATLANTIC RIDGE
24	19	18	41.1	19.596	N	145.641	E	108		4.9	1.0	71 MARIANA ISLANDS
24	19	28	41.6%	44.778	N	7.637	E	50	G		0.3	7 NORTHERN ITALY

	24	20	12	43.0%	34.401	N	116.456	W	3				5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
	24	20	26	46.8?	42.97	N	12.46	E	10	G		0.5	4	CENTRAL ITALY
	24	20	41	21.8%	45.363	N	26.875	E	10	G		1.4	5	ROMANIA
	24	21	06	04.8%	41.740	N	13.596	E	10	G		1.0	6	SOUTHERN ITALY
	24	21	09	39.3%	43.158	N	10.815	E	10	G		0.5	5	CENTRAL ITALY
	24	21	16	19.9?	31.34	S	68.98	W	100	G		0.5	5	SAN JUAN PROVINCE, ARGENTINA
a	24	21	23	16.0	8.438	S	121.639	E	33	N	5.0	1.1	45	FLORES REGION, INDONESIA. Mw 5.4 (HRV).
	24	21	57	30.1*	10.339	N	94.207	E	33	N	4.2 4.1	1.2	10	ANDAMAN ISLANDS, INDIA
	24	21	58	10.1	10.263	N	93.777	E	20	D	4.8	1.1	44	ANDAMAN ISLANDS, INDIA
	24	22	06	06.6?	31.30	S	68.80	W	100	G		0.1	4	SAN JUAN PROVINCE, ARGENTINA
	24	22	52	21.3	10.209	N	93.847	E	23	D	4.9 4.4	0.9	84	ANDAMAN ISLANDS, INDIA
	24	23	18	39.6	10.203	N	93.786	E	22	D	4.7 4.3	1.2	64	ANDAMAN ISLANDS, INDIA
	24	23	35	55.6	10.351	N	93.731	E	22	D	4.8 4.3	1.1	77	ANDAMAN ISLANDS, INDIA
	25	00	38	07.4%	38.535	N	27.006	E	10	G		0.5	7	TURKEY. ML 3.0 (ISK).
	25	00	54	50.5%	11.239	N	62.003	W	110	G		0.4	7	WINDWARD ISLANDS. MD 3.0 (TRN).
	25	01	08	41.0*	31.282	S	68.595	W	104	?		0.4	8	SAN JUAN PROVINCE, ARGENTINA
	25	01	27	33.7	23.411	S	66.605	W	202		4.6	1.0	45	JUJUY PROVINCE, ARGENTINA
	25	02	23	50.9	43.144	N	139.278	E	19	D	4.6	1.0	42	EASTERN SEA OF JAPAN
	25	02	46	27.7&	61.445	N	146.587	W	21				78	SOUTHERN ALASKA. <AEIC>. ML 3.1 (AEIC).
	25	03	04	46.5?	18.45	N	145.66	E	188	*	4.3	0.5	10	MARIANA ISLANDS
	25	04	28	13.9?	37.73	N	14.64	E	28	?		0.6	5	SICILY
	25	04	42	24.0?	9.37	N	126.57	E	33	N		1.0	4	MINDANAO, PHILIPPINE ISLANDS
	25	05	22	25.8?	13.91	N	145.01	E	33	N	3.7	0.9	5	MARIANA ISLANDS
a	25	05	25	32.2	44.718	S	79.958	W	10	G	5.6 5.4	1.4	108	OFF COAST OF SOUTHERN CHILE. Mw 6.2 (HRV). Mo=9.0*10**18 Nm (PPT).
	25	05	46	01.6%	38.887	N	26.850	E	10	G		0.2	5	AEGEAN SEA. ML 2.8 (ISK).
	25	06	07	36.9&	63.052	N	150.788	W	120		3.3		96	CENTRAL ALASKA. <AEIC>.
	25	06	23	48.5%	39.886	N	28.322	E	10	G		0.6	11	TURKEY. ML 2.8 (ISK).
	25	06	47	45.3*	6.263	S	147.462	E	107		5.3	1.1	24	EASTERN NEW GUINEA REG., P.N.G.
	25	07	22	50.9*	10.300	N	94.043	E	33	N	4.6 4.1	1.3	18	ANDAMAN ISLANDS, INDIA
	25	07	49	36.8%	39.246	N	27.734	E	10	G		0.3	6	TURKEY. ML 2.6 (ISK).
	25	08	16	17.4%	39.109	N	27.587	E	10	G		0.4	8	TURKEY. ML 2.8 (ISK).
	25	08	19	18.4%	46.069	N	0.879	W	10	G		1.1	12	FRANCE. ML 2.8 (LDG).
	25	08	50	02.7&	67.451	N	146.023	W	10		4.2		68	NORTHERN ALASKA. <AEIC>. ML 4.1 (AEIC).
	25	08	56	44.6%	39.126	N	27.629	E	10	G		0.3	7	TURKEY. ML 2.8 (ISK).
	25	09	00	39.1?	39.47	N	29.50	E	5	G				

26	07 43 51.2%	39.236 N	27.699 E	10 G	0.2	8	TURKEY. ML 2.7 (ISK).
26	08 00 38.0%	39.113 N	27.515 E	10 G	0.5	6	TURKEY. ML 2.6 (ISK).
26	08 05 08.6	5.439 S	151.388 E	68 D 5.1	0.9	40	NEW BRITAIN REGION, P.N.G.
26	08 07 02.0	46.255 N	13.223 E	5 G	1.3	13	AUSTRIA. ML 2.7 (VIE). MD 2.8 (LJU).
26	08 12 22.0?	39.27 N	30.02 E	10 G	0.1	5	TURKEY. ML 2.7 (ISK).
26	08 17 48.7%	39.637 N	29.442 E	10 G	0.9	8	TURKEY. ML 2.7 (ISK).
26	08 23 33.7%	27.578 S	67.418 W	187 ?	1.1	10	CATAMARCA PROVINCE, ARGENTINA
26	08 50 26.4%	39.222 N	27.716 E	10 G	0.8	6	TURKEY. ML 2.7 (ISK).
26	09 00 13.9%	39.119 N	27.604 E	5 G	0.4	7	TURKEY. ML 2.8 (ISK).
26	09 09 21.3%	39.077 N	27.643 E	10 G	0.2	8	TURKEY. ML 2.8 (ISK).
26	09 29 42.3?	40.69 N	30.40 E	10 G	0.3	5	TURKEY. ML 2.6 (ISK).
26	10 03 57.5	36.736 N	28.051 E	33 5.3 4.5	1.1	389	DODECANESE ISLANDS. ML 5.2 (CSS), 5.1 (ATH), 4.9 (THE), 4.6 (ISK). Felt on Rodhos and Kos, Greece. Also felt at Denizli, Kusadasi, Marmaris and Mugla, Turkey.
26	10 18 18.8%	59.055 N	5.804 E	10 G	0.4	8	SOUTHERN NORWAY. MD 2.3 (BER).
26	10 34 29.9	59.052 N	5.804 E	10 G	0.4	11	SOUTHERN NORWAY. MD 2.6 (BER).
26	10 42 55.6%	31.278 S	68.262 W	100 G	0.4	7	SAN JUAN PROVINCE, ARGENTINA
26	11 22 10.5%	45.468 N	7.114 E	5 G	0.2	6	NORTHERN ITALY. ML 2.2 (GEN).
26	11 38 21.7%	40.662 N	24.552 E	10 G	0.8	7	AEGEAN SEA. ML 2.2 (THE).
26	11 44 07.1%	40.323 N	29.491 E	10 G	0.3	5	TURKEY. ML 2.6 (ISK).
26	11 45 08.6%	39.339 N	27.667 E	10 G	0.4	8	TURKEY. ML 3.0 (ISK).
26	11 46 17.2%	59.972 N	140.964 W	8 4.8 4.8	1.1	161	SOUTHEASTERN ALASKA. <AEIC>. ML 4.5 (AEIC), 4.7 (PMR). Felt (V) at Cape Yakataga and Icy Bay.
26	11 47 04.3%	59.918 N	140.916 W	0	0.4	7	SOUTHEASTERN ALASKA. <AEIC>. ML 3.7 (AEIC).
26	11 47 27.6%	39.956 N	29.262 E	5 G	0.4	14	TURKEY. ML 3.0 (ISK).
26	11 52 18.3%	59.963 N	141.002 W	8 4.9	1.1	181	SOUTHEASTERN ALASKA. <AEIC>. ML 4.5 (AEIC), 4.7 (PMR). Felt (V) at Cape Yakataga and Icy Bay.
26	11 59 48.4	17.581 N	100.768 W	71 4.5	0.9	61	GUERRERO, MEXICO
26	12 03 33.5?	37.65 N	15.21 E	10 G	0.4	4	SICILY
26	12 03 50.0%	39.648 N	29.414 E	5 G	0.9	5	TURKEY. ML 2.6 (ISK).
26	12 08 34.6%	39.032 N	27.786 E	10 G	0.4	6	TURKEY. ML 2.8 (ISK).
26	12 11 57.3%	39.124 N	29.159 E	5 G	0.7	10	TURKEY. ML 2.9 (ISK).
26	12 38 24.4%	40.654 N	30.319 E	10 G	0.6	6	TURKEY. ML 2.7 (ISK).
26	12 43 31.0%	34.021 N	117.206 W	11	0.5	6	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS).
26	13 08 20.7*	44.052 N	127.985 W	10 G 3.9	0.5	34	OFF COAST OF OREGON
26	13 15 56.2?	39.36 N	29.57 E	10 G	0.5	6	TURKEY. ML 2.7 (ISK).
26	13 21 53.0?	31.27 S	68.50 W	100 G	0.6	5	SAN JUAN PROVINCE, ARGENTINA
26	13 33 17.9%	44.268 N	8.223 E	5 G	0.5	11	NORTHERN ITALY. ML 2.6 (GEN).
26	13 35 24.9%	44.226 N	8.256 E	10 G	0.2	8	NORTHERN ITALY. ML 2.2 (GEN).
26	13 39 50.3%	39.646 N	29.490 E	10 G	0.5	5	TURKEY. ML 2.7 (ISK).
26	14 03 14.7%	60.270 N	152.783 W	112	0.3	37	SOUTHERN ALASKA. <AEIC>.
26	14 18 58.1*	51.136 N	15.900 E	10 G	0.3	5	POLAND
26	14 49 13.4?	43.67 N	7.47 E	5 G	0.3	5	NEAR SOUTH COAST OF FRANCE. ML 1.8 (GEN).
26	14 57 31.1%	44.002 N	7.440 E	10 G	0.7	5	NORTHERN ITALY. ML 2.6 (GEN).
26	14 58 22.5%	40.217 N	29.322 E	5 G	0.5	11	TURKEY. ML 2.8 (ISK).
26	15 30 18.8%	39.830 N	27.347 E	5 G	0.1	6	TURKEY. ML 2.6 (ISK).
26	15 41 12.8	45.988 N	15.366 E	10 G	0.9	15	NORTHWESTERN BALKAN REGION. MD 3.0 (LJU), 2.7 (TRI). ML 2.7 (VIE). Felt (V) at Arto, Gornje Brezovo and Log, Slovenia. Also felt at Sevnica, Slovenia.
26	15 44 48.0%	37.993 N	14.029 E	5 G	0.5	5	SICILY
26	15 44 48.6	37.413 N	30.527 E	10 G	0.7	6	TURKEY. ML 3.4 (CSS), 3.4 (ISK).
26	15 47 16.8%	45.210 N	7.590 E	33 N	0.4	7	NORTHERN ITALY. ML 2.2 (GEN).
26	15 50 56.3%	39.074 N	27.783 E	10 G	0.6	14	TURKEY. ML 3.2 (ISK).
26	16 14 29.9?	4.41 N	127.15 E	76 ? 4.8	1.3	5	TALAUD ISLANDS, INDONESIA
26	16 19 07.8?	31.29 S	68.54 W	100 G	0.5	4	SAN JUAN PROVINCE, ARGENTINA
26	17 24 27.7*	46.183 N	153.523 E	33 N 4.9	0.9	51	KURIL ISLANDS
26	17 29 39.1	39.020 N	27.776 E	15	0.6	20	TURKEY. ML 3.6 (ISK). Felt at Manisa.
26	17 29 40.0?	43.24 N	25.81 E	10 G	0.7	7	BULGARIA. ML 3.5 (THE).
26	18 00 46.6*	10.253 N	94.121 E	33 N 4.4 3.8	1.4	18	ANDAMAN ISLANDS, INDIA
26	18 17 50.6?	39.11 N	28.04 E	10 G	0.2	4	TURKEY. ML 2.6 (ISK).
26	18 33 59.9*	10.440 N	94.231 E	33 N 4.0	1.1	8	ANDAMAN ISLANDS, INDIA
26	18 43 23.5%	39.082 N	27.847 E	10 G	0.4	6	TURKEY. ML 2.7 (ISK).
26	19 21 59.5*	61.315 N	3.841 E	10 G	1.0	11	NORWEGIAN SEA. MD 2.8 (BER).
26	19 50 24.9	39.104 N	27.834 E	14 4.0	1.1	82	TURKEY. ML 4.2 (ATH), 4.0 (ISK). Felt at Manisa.
26	20 33 57.7?	12.91 N	145.70 E	33 N 4.1	0.1	6	SOUTH OF MARIANA ISLANDS
26	20 34 32.6?	36.58 N	27.75 E	100 G	1.4	5	DODECANESE ISLANDS
26	20 53 42.1	7.292 N	126.755 E	69 4.8	1.0	67	MINDANAO, PHILIPPINE ISLANDS
26	20 55 07.4?	31.36 S	68.87 W	100 G	0.4	5	SAN JUAN PROVINCE, ARGENTINA
26	21 32 33.3	45.727 N	26.565 E	136 D 5.0	1.2	299	ROMANIA. Felt in eastern Romania as far as Galati and Bucharest. Felt in northeastern Bulgaria, including Ruse, Silistra and Svishtov. Also felt at Chisinau, Moldova.
26	22 43 48.1?	48.62 N	9.39 E	10 G	1.1	5	GERMANY. ML 2.3 (LDG).
26	23 36 41.9%	62.351 N	151.156 W	84	0.6	55	CENTRAL ALASKA. <AEIC>.
26	23 38 49.2?	13.27 N	143.99 E	33 N 4.1	0.6	5	SOUTH OF MARIANA ISLANDS
26	23 50 49.6%	63.268 N	151.135 W	7	0.6	73	CENTRAL ALASKA. <AEIC>. ML 3.4 (AEIC).
27	00 08 34.0%	38.090 N	90.360 W	17	1.1	11	EASTERN MISSOURI. <SLM-P>. MD 3.3 (SLM). mbLg 3.3 (GS). Felt (V) at Leadwood; (IV) at Desloge, French Village and New Offenburg; (III) at Cadet, Crustal City, Farmington, Flat River, Fredericktown, Irondale, Middlebrook, Perryville, Potosi and Valles Mines; (II) at Herculaneum and Park Hills. Felt at Dittmer, Pevely and Salem. Also felt at Waterloo, Illinois.
27	00 16 43.9	6.684 N	93.577 E	52 D 5.0	0.9	129	NICOBAR ISLANDS, INDIA
27	00 33 55.0	40.952 N	51.727 E	80 ? 3.9	1.1	8	CASPIAN SEA
27	00 51 23.1*	2.435 N	126.742 E	82 * 4.8	0.8	16	NORTHERN MOLUCCA SEA
27	01 13 25.9	39.237 N	20.538 E	5 G	0.9	15	GREECE-ALBANIA BORDER REGION. ML 2.7 (THE). MD 3.0 (ATH).
27	01 15 59.1%	59.961 N	140.902 W	9	0.9	80	SOUTHEASTERN ALASKA. <AEIC>. ML 3.8 (AEIC), 3.8 (PGC), 4.0 (PMR).
27	01 28 32.7%	59.935 N	140.927 W	7	0.9	29	SOUTHEASTERN ALASKA. <AEIC>. ML 3.1 (AEIC).
27	01 41 02.4*	13.059 N	145.927 E	33 N 3.8	0.4	7	MARIANA ISLANDS
27	01 45 26.3	17.670 N	100.809 W	54 D 4.7	1.0	64	GUERRERO, MEXICO

27	02	16	05.42	45.40	N	0.40	W	10	G	0.9	4	FRANCE. ML 1.9 (LDG).		
27	02	20	52.22	35.54	S	71.21	W	120	G	0.8	8	CENTRAL CHILE. MD 3.5 (SAN).		
27	02	26	23.0	39.207	N	23.469	E	28		0.7	23	AEGEAN SEA. ML 3.4 (ATH), 3.1 (THE).		
27	02	30	12.8	39.040	N	23.527	E	33	N	0.4	9	AEGEAN SEA. ML 2.6 (THE).		
27	02	34	17.0	47.336	N	18.621	E	23		0.7	31	HUNGARY. ML 3.7 (VIE), 3.5 (BRA). MD 3.8 (TRI). Felt (IV) at Etyek and Val; (III) at Budapest, Csakvar, Felcsut, Inola, Lovasbereny, Many, Patka, Szazhalombatta and Szekesfehervar.		
27	03	01	35.8	10.257	N	94.095	E	33	N	4.5	4.0	1.2	12	ANDAMAN ISLANDS, INDIA
27	03	50	46.74	60.201	N	153.236	W	136					59	SOUTHERN ALASKA. <AEIC>.
27	04	57	45.2	39.265	N	20.501	E	5	G	1.0			10	GREECE-ALBANIA BORDER REGION. ML 2.7 (THE). MD 2.9 (ATH).
27	05	11	16.84	59.960	N	140.949	W	7					83	SOUTHEASTERN ALASKA. <AEIC>. ML 3.7 (AEIC), 3.7 (PMR), 3.6 (PGC).
27	05	46	43.1	35.544	S	178.265	E	33	N	4.9	4.8	1.5	14	OFF E. COAST OF N. ISLAND, N.Z.
27	05	49	35.7	13.537	S	165.964	E	33	N	4.9		1.3	9	VANUATU ISLANDS
27	05	58	06.74	32.800	N	115.456	W	16					5	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.5 (PAS). Double event.
27	06	23	48.3	35.036	S	70.951	W	95	*	0.6			18	CHILE-ARGENTINA BORDER REGION. MD 4.3 (SAN).
27	06	25	47.1	45.649	N	6.043	E	10	G	0.7			7	FRANCE. ML 2.3 (LDG).
27	06	27	53.4	45.519	N	5.971	E	10	G	0.6			8	FRANCE. ML 2.5 (LDG).
27	06	40	44.1	12.977	N	145.722	E	33	N	4.2		1.1	10	SOUTH OF MARIANA ISLANDS
27	07	00	01.1	5.968	S	147.206	E	115	*	4.2		1.1	13	EASTERN NEW GUINEA REG., P.N.G.
27	07	26	50.3	39.096	N	27.556	E	10	G	0.9			5	TURKEY. ML 2.7 (ISK).
27	08	28	38.8	39.11	N	27.56	E	10	G	0.2			4	TURKEY. ML 2.6 (ISK).
27	08	50	39.0	38.60	N	26.37	E	10	G	0.0			4	AEGEAN SEA. ML 3.1 (ISK).
27	08	56	38.0	40.408	N	22.897	E	10	G	0.3			6	GREECE. ML 1.8 (THE).
27	09	04	22.4	23.49	S	179.58	E	560	G	4.5		1.1	14	SOUTH OF FIJI ISLANDS
27	09	38	08.7	40.165	N	23.902	E	5	G	0.3			5	GREECE. ML 2.5 (THE).
27	10	46	03.9	41.096	N	20.150	E	5	G	1.1			21	ALBANIA. ML 2.5 (TIR).
27	10	56	49.5	41.094	N	20.155	E	10	G	1.0			16	ALBANIA. MD 3.1 (ATH). ML 2.7 (TIR).
27	11	08	22.0	21.420	S	66.905	W	196	?	1.0			8	SOUTHERN BOLIVIA
27	11	32	59.7	39.107	N	27.691	F	10	G	0.6			5	TURKEY. ML 2.8 (ISK).
27	11	36	50.0	47.166	N	0.610	W	10	G	0.4			9	FRANCE
27	11	45	50.5	23.082	N	95.878	E	33	N	4.4		1.3	37	MYANMAR
27	11	49	37.3	39.50	N	29.63	E	10	G	0.3			5	TURKEY. ML 2.7 (ISK).
27	11	59	41.1	32.634	S	69.004	W	10	G	0.9			15	MENDOZA PROVINCE, ARGENTINA. MD 4.1 (SAN).
27	12	06	09.3	39.190	N	27.787	E	10	G	0.5			6	TURKEY. ML 2.7 (ISK).
27	12	11	27.8	16.084	N	61.315	W	10	G	0.5			5	LEEWARD ISLANDS. ML 3.3 (FDF).
27	12	30	55.8	42.54	N	24.14	E	5	G	1.4			8	BULGARIA. ML 2.8 (THE).
27	12	48	23.0	41.153	N	20.085	E	5	G	1.0			26	ALBANIA. ML 2.9 (THE), 2.8 (TIR).
27	12	54	19.9	3.400	S	138.348	E	69	?	4.3	3.5	1.1	13	IRIAN JAYA, INDONESIA
27	13	15	25.5	24.063	S	179.191	E	579	?	4.6		1.0	28	SOUTH OF FIJI ISLANDS
27	13	40	56.9	40.72	N	23.07	E	5	G	0.3			4	GREECE. ML 1.7 (THE).
27	13	47	22.3	41.051	N	20.133	E	5	G	1.3			5	ALBANIA. ML 2.1 (TIR).
27	13	48	06.9	41.331	N	27.767	E	10	G	0.6			6	TURKEY. ML 2.8 (ISK).
27	13	59	47.1	31.50	S	69.11	W	100	G	0.2			4	SAN JUAN PROVINCE, ARGENTINA
27	14	36	28.4	39.833	N	23.620	E	5	G	0.4			8	AEGEAN SEA. ML 2.2 (THE).
27	15	52	22.3	6.709	S	148.844	E	103	*	4.8		1.5	15	NEW BRITAIN REGION, P.N.G.
27	15	54	01.4	32.565	S	71.745	W	10	G	0.6			10	NEAR COAST OF CENTRAL CHILE
27	16	01	37.3	40.84	N	22.74	E	5	G	0.7			4	GREECE. ML 1.0 (THE).
27	16	06	02.5	48.791	N	10.370	E	10	G	0.3			9	GERMANY. ML 2.6 (VIE), 2.5 (GRF).
27	16	11	28.9	40.447	N	21.253	E	5	G	0.6			8	GREECE. ML 2.3 (THE).
27	16	20	37.7	46.67	N	0.67	W	10	G	0.7			5	FRANCE. ML 2.2 (LDG).
27	16	34	59.5	32.838	S	70.494	W	90	G	0.3			9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
27	17	42	01.7	40.38	N	30.37	E	10	G	0.2			4	TURKEY. ML 2.8 (ISK).
27	18	33	13.3	34.022	N	116.983	W	19					9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).
27	19	56	46.3	36.278	N	141.312	E	33	N	4.2		1.3	15	NEAR EAST COAST OF HONSHU, JAPAN
27	20	11	58.0	33.367	S	72.127	W	10	G	0.4			9	OFF COAST OF CENTRAL CHILE. MD 3.5 (SAN).
27	21	45	24.8	17.917	N	67.659	W	33	N	0.4			10	MONA PASSAGE
27	21	52	53.5	41.039	N	20.104	E	5	G	0.9			16	ALBANIA. MD 3.0 (ATH). ML 2.4 (TIR).
27	22	14	35.7	45.617	N	27.574	E	10	G	0.8			5	ROMANIA
27	23	29	49.7	4.168	S	143.555	E	33	N	4.3		1.3	5	NEW GUINEA, PAPUA NEW GUINEA
27	23	39	45.6	31.589	S	69.511	W	143	*	0.7			16	SAN JUAN PROVINCE, ARGENTINA. MD 3.9 (SAN).
27	23	40	21.4	45.241	N	26.720	E	10	G	0.3			5	ROMANIA
27	23	44	16.1	12.578	N	86.629	W	33	N	1.1			6	NICARAGUA. MD 4.3 (UPA).
28	00	18	16.1	37.985	N	21.683	E	10	G	1.3			6	SOUTHERN GREECE. ML 3.0 (ATH).
28	00	22	27.9	39.081	N	28.007	E	10	G	0.5			13	TURKEY. ML 3.2 (ISK).
28	00	41	36.4	44.38	N	11.51	E	10	G	0.7			4	NORTHERN ITALY
28	00	58	56.7	67.813	N	163.463	W	10	G	3.9			47	NORTHERN ALASKA. <AEIC>. ML 4.1 (AEIC).
28	01	25	21.7	27.76	S	179.18	W	478	*	4.6		1.1	16	KERMADEC ISLANDS REGION
28	01	57	55.6	84.089	N	0.566	W	10	G	3.9		1.1	16	NORTH OF SVALBARD
28	01	58	04.3	31.36	S	68.59	W	113	?	0.0			5	SAN JUAN PROVINCE, ARGENTINA
28	02	36	48.2	9.813	N	62.824	W	33	N	0.8			7	NEAR COAST OF VENEZUELA. MD 3.4 (TRN).
28	02	54	10.5	18.666	N	145.594	E	213	*	4.5		1.0	52	MARIANA ISLANDS
28	03	00	50.7	17.49	N	65.74	W	33	N	0.1			6	PUERTO RICO REGION
28	03	17	31.1	45.091	N	2.942	E	5	G	0.7			9	FRANCE. ML 2.1 (LDG).
28	03	31	55.9	60.966	N	151.395	W	69					87	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.2 (AEIC), 3.0 (PMR).
28	03	50	47.5	18.23	N	67.43	W	10	G	0.4			8	MONA PASSAGE
28	04	26	23.9	17.173	N	73.672	E	5	G	4.9	4.5	1.0	82	SOUTHERN INDIA. Felt (V) at Koyana Nagar, Chiplun, Karad, Satara, Kolhapur, Bombay and Pune.
28	04	37	01.7	24.404	S	67.298	W	205	*	1.1			16	CHILE-ARGENTINA BORDER REGION
28	04	57	35.2	32.168	S	117.349	E	10	G	1.7			5	WESTERN AUSTRALIA
28	05	04	27.8	32.202	S	117.381	E	10	G	0.6			5	WESTERN AUSTRALIA
28	05	44	44.8	39.393	N	27.661	E	10	G	0.4			8	TURKEY. ML 3.0 (ISK).
28	06	28	41.1	39.266	N	20.623	E	5	G	0.9			21	GREECE-ALBANIA BORDER REGION. ML 3.2 (THE).
28	07	30	22.7	18.21	N	76.68	W	10	G	0.5			4	JAMAICA REGION. MD 2.2 (HOJ).
28	07	51	08.9	50.90	N	175.17	E	33	N	3.8		1.8	7	RAT ISLANDS, ALEUTIAN ISLANDS
28	08	36	43.5	39.115	N	27.624	E	10	G	0.8			5	TURKEY. ML 2.7 (ISK).
28	09	02	18.6	39.107	N	27.608	E	10	G	0.3			6	TURKEY. ML 2.7 (ISK).
28	10	30	14.8	30.40	S	72.33	W	164	?	0.9			7	OFF COAST OF CENTRAL CHILE
28	10	56	31.3	17.54	N	61.86	W	33	N	0.4			4	LEEWARD ISLANDS. MD 2.5 (TRN).

28	11	11	10.5%	39.626 N	29.419 E	10 G	0.5	5	TURKEY. ML 2.6 (ISK).		
28	11	54	36.5%	39.106 N	27.999 E	10 G	0.3	6	TURKEY. ML 2.8 (ISK).		
28	12	12	37.0%	39.096 N	27.578 E	10 G	0.7	6	TURKEY. ML 2.7 (ISK).		
28	12	17	13.0%	39.620 N	29.495 E	10 G	1.3	5	TURKEY. ML 2.6 (ISK).		
28	12	24	44.6*	34.786 S	70.868 W	90 G	0.4	13	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).		
28	13	11	04.7*	6.480 N	71.021 W	30 *	1.1	12	NORTHERN COLOMBIA		
28	13	48	34.6?	50.02 N	25.56 W	10 G	4.2 3.9	1.1	29	NORTHERN MID-ATLANTIC RIDGE	
28	13	51	46.4	7.056 N	126.861 E	67	5.0	1.0	106	MINDANAO, PHILIPPINE ISLANDS	
28	13	57	33.8?	60.70 N	5.19 E	10 G	0.3	4	SOUTHERN NORWAY. MD 1.1 (BER).		
28	14	18	43.7?	5.65 S	146.77 E	210 ?	4.7	1.3	6	EASTERN NEW GUINEA REG., P.N.G.	
28	14	20	56.2*	4.979 S	139.409 E	33 N	0.9	9	IRIAN JAYA, INDONESIA		
28	14	45	19.8*	11.336 S	119.148 E	33 N	4.0	1.1	10	SOUTH OF SUMBA, INDONESIA	
28	15	03	43.4	44.467 N	6.869 E	10 G	0.2	14	FRANCE. ML 2.4 (GEN).		
28	15	12	00.6%	39.042 N	27.555 E	10 G	0.7	5	TURKEY. ML 2.7 (ISK).		
28	15	16	53.6	39.940 N	20.872 E	33 N	0.6	9	GREECE-ALBANIA BORDER REGION. ML 2.5 (THE).		
28	15	20	36.0	32.438 S	70.228 W	110 G	0.6	12	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).		
28	15	26	31.0%	40.391 N	125.424 W	25		4	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).		
28	15	47	41.1%	40.228 N	28.795 E	10 G	0.3	7	TURKEY. ML 2.6 (ISK).		
28	16	39	16.6?	18.74 N	67.59 W	22 *	0.5	7	MONA PASSAGE		
28	16	50	53.5	5.443 N	126.464 E	33 N	4.3	0.8	14	MINDANAO, PHILIPPINE ISLANDS	
28	17	30	00.0%	63.036 N	150.504 W	107		78	CENTRAL ALASKA. <AEIC>.		
28	18	00	38.3?	4.73 S	106.88 E	33 N	4.6	1.2	6	SOUTHERN SUMATERA, INDONESIA	
28	18	42	18.4*	21.704 N	143.113 E	324 ?	4.4	1.1	13	MARIANA ISLANDS REGION	
28	18	49	55.8	41.088 N	20.101 E	5 G		1.3	25	ALBANIA. ML 3.1 (THE), 2.8 (TIR).	
28	19	10	02.5	32.999 S	68.706 W	5 G		0.7	15	MENDOZA PROVINCE, ARGENTINA. MD 4.0 (SAN).	
28	19	26	19.7	16.135 S	127.929 E	10 G	3.5	0.7	7	WESTERN AUSTRALIA	
28	19	59	08.0	65.915 N	18.216 W	10 G	4.2	1.2	29	ICELAND	
a	28	20	14	45.8	6.571 N	94.668 E	133 G	5.8	1.0	536	NICOBAR ISLANDS, INDIA. Mw 5.9 (GS), 5.9 (HRV). Mo=3.1*10**18 Nm (PPT). Depth from broadband displacement seismograms.
28	20	48	08.0%	62.106 N	149.973 W	49		84	CENTRAL ALASKA. <AEIC>. ML 3.6 (AEIC), 3.6 (PMR).		
28	21	09	54.0*	14.816 N	120.579 E	33 N	4.1	1.2	9	LUZON, PHILIPPINE ISLANDS. Felt (III RF) at Manila and (II RF) at Quezon City.	
28	21	21	58.9?	21.19 S	68.25 W	142 ?		0.8	6	CHILE-BOLIVIA BORDER REGION	
28	21	25	40.4%	45.049 N	122.632 W	16		77	WASHINGTON-OREGON BORDER REGION. <SEA-P>. MD 2.9 (SEA). Felt (IV) at Scotts Mills, Oregon and (III) at Mount Angel, Oregon. Also felt at Oregon City and Woodburn, Oregon.		
28	21	41	30.8?	14.59 N	60.85 W	10 G		0.1	4	WINDWARD ISLANDS. ML 3.3 (FDF).	
28	21	48	06.2?	38.99 N	23.60 E	33 N		0.8	10	GREECE. ML 3.0 (THE).	
28	22	05	34.3%	61.108 N	152.109 W	103		60	SOUTHERN ALASKA. <AEIC>.		
28	22	52	25.7	40.139 N	142.425 E	47 D	5.0 4.5	1.1	161	NEAR EAST COAST OF HONSHU, JAPAN	
28	23	20	48.8*	49.175 N	9.906 E	10 G		0.9	5	GERMANY. ML 2.2 (LDG).	
28	23	22	12.9	48.688 N	9.609 E	10 G		0.9	11	GERMANY. ML 2.8 (LDG), 2.6 (STR), 2.5 (GRF).	
28	23	45	40.8	36.768 N	28.053 E	33 N		1.3	12	DODECANESE ISLANDS. MD 3.7 (ATH). ML 3.5 (ISK), 3.5 (CSS).	
29	00	52	24.4?	35.44 N	22.41 E	10 G	4.0	1.2	10	CENTRAL MEDITERRANEAN SEA. MD 3.6 (ATH).	
29	01	19	24.4%	62.699 N	149.421 W	65		58	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).		
29	02	49	44.2%	40.385 N	125.475 W	24		4	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).		
29	03	45	24.3?	14.70 N	60.64 W	33 N		0.0	4	WINDWARD ISLANDS. ML 2.4 (FDF).	
29	04	00	08.8*	41.092 N	106.917 E	10 G	4.6	1.5	16	WESTERN NEI MONGOL, CHINA. ML 4.8 (BJI).	
29	04	35	15.6%	61.617 N	147.895 W	21		78	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR). Felt (II) at Palmer.		
29	05	14	16.9*	26.146 S	27.073 E	5 G		1.2	5	REPUBLIC OF SOUTH AFRICA. mblg 3.9 (BUL).	
29	05	18	40.2%	60.439 N	151.047 W	40		60	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.8 (AEIC).		
29	05	26	04.8*	8.765 S	108.721 W	10 G	5.1 4.6	0.8	36	CENTRAL EAST PACIFIC RISE	
29	05	57	21.1	36.451 N	2.621 W	10 G		0.8	18	STRAIT OF GIBRALTAR. mblg 3.3 (MDD).	
29	06	03	52.3?	8.13 N	82.79 W	5 G		0.3	4	PANAMA-COSTA RICA BORDER REGION. MD 4.2 (UPA).	
29	06	06	43.1*	32.789 N	5.567 W	33 N		1.3	5	MOROCCO. MD 3.3 (RBA).	
29	06	36	25.6*	22.444 S	179.562 W	557 ?	5.1	1.0	34	SOUTH OF FIJI ISLANDS	
29	06	51	52.8*	22.038 N	120.206 E	72 ?	4.3	1.2	11	TAIWAN	
29	07	02	53.2*	9.341 S	148.042 E	10 G	4.9	1.2	18	EASTERN NEW GUINEA REG., P.N.G. ML 5.2 (PMG).	
29	07	38	40.8	39.617 N	20.283 E	10 G		0.7	16	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH). ML 3.0 (THE), 2.9 (TIR).	
29	08	40	43.5	18.374 N	100.619 W	87 D	4.8	1.0	106	GUERRERO, MEXICO	
29	08	53	57.8%	45.044 N	3.006 E	10 G		0.9	9	FRANCE. ML 2.1 (LDG).	
29	09	15	35.1*	46.014 N	10.516 E	10 G		0.5	6	NORTHERN ITALY. ML 2.3 (VIE).	
29	09	20	39.2%	39.153 N	27.522 E	10 G		0.1	5	TURKEY. ML 2.7 (ISK).	
29	09	41	26.9?	39.28 N	29.67 E	5 G		0.7	5	TURKEY. ML 2.6 (ISK).	
29	09	53	52.6?	39.05 N	27.62 E	10 G		1.1	4	TURKEY. ML 2.7 (ISK).	
29	09	55	58.4*	4.635 S	144.075 E	97 *	3.7	0.1	6	NEAR N COAST OF NEW GUINEA, PNG.	
a	29	09	57	54.9	7.005 S	129.560 E	147 G	5.8	1.0	304	BANDA SEA. Mw 5.9 (GS), 5.7 (HRV). Mo=1.8*10**18 Nm (PPT). Depth from broadband displacement seismograms.
29	10	31	27.5?	31.83 S	68.26 W	10 G		1.4	4	SAN JUAN PROVINCE, ARGENTINA	
29	11	02	07.0%	39.116 N	27.526 E	10 G		0.8	7	TURKEY. ML 2.8 (ISK).	
29	11	08	56.5?	10.63 N	124.80 E	75 ?	4.0	0.3	5	LEYTE, PHILIPPINE ISLANDS	
29	11	12	53.3?	47.95 N	7.75 E	10 G		0.2	4	SWITZERLAND. ML 1.9 (LDG).	
29	11	13	36.3%	9.980 N	70.009 W	10 G		1.0	6	VENEZUELA	
29	11	17	50.0?	7.13 N	127.68 E	10 G	4.1	0.7	6	PHILIPPINE ISLANDS REGION	
29	12	07	39.4%	39.656 N	29.449 E	5 G		0.5	8	TURKEY. ML 2.7 (ISK).	
29	12	13	45.6%	39.105 N	27.627 E	10 G		0.6	7	TURKEY. ML 2.8 (ISK).	
29	12	21	23.1	15.014 S	167.272 E	113 *	5.2	1.0	69	VANUATU ISLANDS	
29	12	22	31.2%	39.680 N	29.453 E	10 G		0.5	8	TURKEY. ML 2.8 (ISK).	
29	14	17	25.8	56.770 N	12.032 E	10 G		0.7	7	SWEDEN. ML 2.7 (NAO).	
29	15	42	17.9%	38.826 N	26.878 E	10 G		0.5	7	AEGEAN SEA. ML 3.0 (ISK).	
29	15	46	58.6%	59.844 N	153.404 W	127		61	SOUTHERN ALASKA. <AEIC>.		
29	18	41	13.6*	19.988 N	105.464 W	10 G		1.0	10	NEAR COAST OF JALISCO, MEXICO	
29	19	02	26.2*	31.626 N	141.731 E	10 G	4.6	0.2	9	SOUTH OF HONSHU, JAPAN	
29	19	16	14.5%	31.636 S	67.890 W	10 G		0.8	7	SAN JUAN PROVINCE, ARGENTINA	
29	19	23	49.1	44.517 N	6.785 E	9		0.4	23	FRANCE. ML 2.5 (GEN), 2.2 (LDG).	
29	20	49	00.6%	44.051 N	6.936 E	10 G		0.5	5	FRANCE. ML 2.1 (LDG).	
29	20	54	01.0%	39.044 N	27.800 E	10 G		0.4	5	TURKEY. ML 2.7 (ISK).	
29	21	36	32.1*	12.996 N	144.226 E	33 N	4.6	1.4	18	SOUTH OF MARIANA ISLANDS	

29	21	40	52.9*	34.139 N	25.416 E	10 G	1.3	15	CRETE. MD 4.1 (ATH).
29	22	43	35.1	39.221 N	23.492 E	10 G	0.8	20	AEGEAN SEA. ML 3.3 (ATH), 3.0 (THE).
29	23	28	02.3?	39.63 N	113.60 E	10 G	0.9	4	NORTHEASTERN CHINA. ML 3.6 (BJI).
29	23	57	03.4*	37.123 N	5.146 W	5 G	0.9	11	SPAIN. mbLg 3.1 (MDD).
30	00	30	14.5?	44.96 N	26.23 E	33 N	1.1	5	ROMANIA
30	03	22	38.1?	25.15 N	128.22 E	33 N	4.3	1.1	7 RYUKYU ISLANDS
30	04	08	12.4?	39.24 N	23.38 E	10 G	0.5	5	AEGEAN SEA. ML 2.6 (THE).
30	04	08	16.9*	34.383 S	70.079 W	5 G	0.9	9	CHILE-ARGENTINA BORDER REGION. MD 3.6 (SAN).
30	04	52	55.9	44.377 N	6.790 E	8	0.4	13	FRANCE. ML 2.2 (GEN), 1.7 (LDG).
30	05	15	28.5*	46.457 N	75.050 W	16		31	SOUTHERN QUEBEC, CANADA. <OTT-P>. mbLg 3.7 (OTT), 3.3 (GS). Felt widely in the L'Annonciation-Lac St-Paul area. Also felt in the Upper Gatineau, Upper Laurentians and Maniwaki areas.
30	05	59	18.5*	60.085 N	152.602 W	102		55	SOUTHERN ALASKA. <AEIC>.
30	06	50	38.9*	59.984 N	153.507 W	148		90	SOUTHERN ALASKA. <AEIC>.
30	06	58	58.5*	39.685 N	29.403 E	10 G	0.9	5	TURKEY. ML 2.6 (ISK).
30	07	24	22.5*	44.640 N	7.209 E	10 G	0.2	8	NORTHERN ITALY. ML 2.0 (GEN).
30	07	47	59.7?	16.39 S	178.03 W	429 *	4.4	1.2	12 FIJI ISLANDS REGION
30	07	50	55.3*	61.826 N	149.941 W	19		73	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 3.3 (PMR).
30	07	55	57.2?	16.99 N	94.10 W	33 N	1.2	5	OAXACA, MEXICO
30	07	56	34.5*	64.095 N	145.949 E	10 G	4.2	0.9	6 EASTERN SIBERIA, RUSSIA
30	08	01	01.9*	60.283 N	149.782 W	52		77	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.9 (AEIC), 3.2 (PMR).
30	08	05	15.1	2.420 N	126.687 E	63 *	5.0	1.0	35 NORTHERN MOLUCCA SEA
30	08	19	34.9	44.357 N	7.306 E	13		0.6	26 NORTHERN ITALY. ML 3.0 (LDG), 2.7 (GEN).
30	08	36	15.3?	33.31 S	72.46 W	10 G	0.4	9	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
30	08	59	43.4*	44.458 N	6.958 E	10 G	0.5	7	FRANCE. ML 1.7 (GEN).
30	09	00	17.2*	14.097 N	60.849 W	5 G	0.6	8	WINDWARD ISLANDS. MD 3.1 (TRN). ML 2.5 (FDF).
30	09	05	02.1	11.008 N	122.180 E	33 N	4.6	1.6	9 PANAY, PHILIPPINE ISLANDS
30	09	13	30.9*	31.649 S	67.278 W	120 G	0.9	5	SAN JUAN PROVINCE, ARGENTINA
30	09	45	53.6*	44.298 N	7.577 E	10 G	0.6	6	NORTHERN ITALY. ML 1.9 (GEN).
30	09	57	07.5?	45.30 N	7.49 E	5 G	0.5	4	NORTHERN ITALY. ML 2.0 (GEN).
30	09	58	44.4*	39.652 N	29.393 E	10 G	0.8	5	TURKEY. ML 2.7 (ISK).
a 30	12	12	31.5	48.508 N	143.326 E	18 D	5.2 4.3	0.9	227 SAKHALIN ISLAND. Mw 4.9 (HRV).
30	13	11	40.4*	38.999 N	23.290 E	10 G	0.7	6	GREECE. ML 2.6 (THE).
30	13	36	55.0?	40.21 N	28.80 E	10 G	0.5	4	TURKEY. ML 2.5 (ISK).
30	15	08	41.4	33.433 N	132.394 E	47 D	4.9 4.5	1.2	82 SHIKOKU, JAPAN. Felt (III JMA) at Matsuyama, (II JMA) at Uwajima and (I JMA) at Kochi. Also felt (III JMA) at Okayama, Honshu. Felt (I JMA) at Fukuoka and Oita, Kyushu. Felt (III) at Iwakuni, Honshu.
30	15	29	52.2*	31.736 N	141.870 E	10 G	4.7 4.9	1.1	32 SOUTH OF HONSHU, JAPAN
30	16	08	44.7*	0.606 S	135.594 E	25 D	4.7 3.7	1.2	11 IRIAN JAYA REGION, INDONESIA
30	16	18	51.9?	40.69 N	23.09 E	10 G	0.2	4	GREECE. ML 1.4 (THE).
30	16	41	27.1*	31.544 S	69.368 W	134 ?	0.5	6	SAN JUAN PROVINCE, ARGENTINA
30	19	35	20.4?	32.03 S	68.00 W	10 G	1.2	4	MENDOZA PROVINCE, ARGENTINA
30	19	45	38.7	38.558 N	16.001 E	84 *	0.8	17	SOUTHERN ITALY. MD 3.0 (ROM).
30	19	51	17.9*	6.090 N	126.570 E	124 *	4.1	0.8	9 MINDANAO, PHILIPPINE ISLANDS
30	19	59	32.2	17.793 S	178.243 W	646	4.9	0.8	212 FIJI ISLANDS REGION
30	20	13	31.6	44.533 N	6.806 E	13	0.5	23	FRANCE. ML 2.5 (GEN), 2.3 (LDG).
30	20	18	28.9*	44.507 N	6.729 E	5 G	0.3	8	FRANCE. ML 2.0 (GEN).
30	21	18	31.7?	30.83 S	67.36 W	10 G	1.0	4	SAN JUAN PROVINCE, ARGENTINA
30	22	33	38.3*	39.899 N	16.162 E	5 G	1.1	5	SOUTHERN ITALY
30	22	38	26.4*	60.195 N	153.195 W	137		59	SOUTHERN ALASKA. <AEIC>.
30	22	44	33.5*	39.900 N	16.154 E	10 G	1.0	6	SOUTHERN ITALY
30	23	46	04.7*	44.389 N	7.326 E	10 G	0.6	7	NORTHERN ITALY. ML 1.8 (GEN).
31	00	16	45.2	39.970 N	15.092 E	315	4.7	0.9	199 SOUTHERN ITALY
31	01	04	38.6?	13.67 N	144.93 E	74	4.2	1.4	10 MARIANA ISLANDS
31	01	22	38.3*	36.861 N	121.597 W	7		34	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).
31	02	15	56.5	41.909 N	23.036 E	10	1.3	17	GREECE-BULGARIA BORDER REGION. ML 3.1 (THE).
31	03	11	55.0	42.721 N	1.189 W	13	0.9	15	PYRENEES. mbLg 2.9 (MDD). ML 2.8 (LDG).
a 31	03	50	28.6	7.017 S	129.365 E	123	5.2	1.0	127 BANDA SEA. Mw 5.2 (HRV).
31	05	56	07.2*	39.951 N	28.927 E	10 G	0.6	7	TURKEY. ML 2.7 (ISK).
31	06	14	02.6*	40.410 N	124.405 W	21		33	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.1 (GM). ML 3.1 (BRK).
a 31	06	55	32.4	41.878 N	49.466 E	85 D	5.3	1.0	305 CASPIAN SEA. Mw 5.3 (HRV). Some damage at Derbent, Russia. Felt (V) at Dirichi, Quba and Xacmaz; (IV) at Baku, Azerbaijan. Felt in Moghan Province, Iran.
31	06	55	35.5*	62.633 N	143.471 W	0		33	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.3 (PGC).
31	06	56	10.1*	59.742 N	152.126 W	75		37	SOUTHERN ALASKA. <AEIC>.
31	07	59	32.0*	34.950 N	116.932 W	0		15	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS), 3.0 (GS).
31	08	04	26.5	36.990 N	22.768 E	32	4.2	1.2	74 SOUTHERN GREECE. ML 4.1 (THE), 3.8 (ATH). Felt at Sparta.
31	08	08	22.0*	9.693 N	62.294 W	100 ?		1.3	19 NEAR COAST OF VENEZUELA. MD 4.3 (TRN).
31	08	13	15.1?	39.10 N	27.65 E	10 G	0.4	4	TURKEY. ML 2.8 (ISK).
31	09	04	15.4?	11.60 N	142.49 E	33 N	4.7	0.6	7 SOUTH OF MARIANA ISLANDS
31	09	51	33.1*	39.096 N	27.603 E	10 G	0.8	6	TURKEY. ML 2.7 (ISK).
31	10	18	26.5*	45.809 N	0.922 W	10 G	1.0	9	FRANCE. ML 3.0 (LDG).
31	10	22	36.3*	39.179 N	15.745 E	33 N	1.4	6	SOUTHERN ITALY
31	10	32	04.6*	15.419 N	93.207 W	33 N	1.1	5	NEAR COAST OF CHIAPAS, MEXICO
31	11	03	50.9?	39.25 N	29.82 E	10 G	0.4	7	TURKEY. ML 2.7 (ISK).
31	11	08	52.5	41.839 N	22.867 E	10 G	0.6	10	NORTHWESTERN BALKAN REGION. ML 2.7 (THE).
31	12	22	37.1*	40.682 N	29.819 E	10 G	0.7	8	TURKEY. ML 2.8 (ISK).
31	12	50	51.6*	44.371 N	7.305 E	10 G	0.4	7	NORTHERN ITALY. ML 1.9 (GEN).
31	12	55	35.1	37.044 N	23.047 E	10 G	1.3	15	SOUTHERN GREECE. ML 3.4 (THE), 3.0 (ATH).
31	13	02	18.8*	39.073 N	27.544 E	10 G	1.3	5	TURKEY. ML 2.7 (ISK).
31	13	53	10.9*	33.170 S	70.207 W	104 *	0.5	12	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
31	13	58	27.8	29.100 S	71.044 W	80 *	4.4	1.1	44 NEAR COAST OF CENTRAL CHILE. MD 4.7 (SAN). Felt in the epicentral area.
31	13	58	57.8*	39.124 N	29.830 E	5 G	0.2	6	TURKEY. ML 2.7 (ISK).
31	14	09	32.1*	59.749 N	142.346 W	9		20	GULF OF ALASKA. <AEIC>. ML 2.6 (AEIC).
31	14	29	17.2*	17.618 N	99.041 W	33 N	0.7	8	GUERRERO, MEXICO
31	14	32	25.0*	13.083 N	145.903 E	33 N	4.8 5.2	0.8	16 MARIANA ISLANDS
31	14	42	43.0	41.362 N	24.350 E	5 G	1.1	12	GREECE-BULGARIA BORDER REGION. ML 2.2 (THE).

31	14 51 12.5	58.021 N	142.787 W	10 G	0.6	39	GULF OF ALASKA. ML 3.2 (AEIC).	
31	15 01 14.92	26.92 S	26.80 E	5 G	1.2	4	REPUBLIC OF SOUTH AFRICA	
31	15 16 45.22	44.92 N	27.79 W	10 G	4.6 3.6	1.1	27	NORTHERN MID-ATLANTIC RIDGE
31	15 18 35.64	40.601 N	28.971 E	10 G	0.7	13	TURKEY. ML 3.2 (ISK).	
31	16 04 53.32	38.08 N	24.01 E	33 N	1.2	4	AEGEAN SEA. MD 2.9 (ATH). ML 2.7 (THE).	
31	16 27 35.44	39.256 N	15.770 E	33 N	0.5	6	SOUTHERN ITALY	
31	17 04 02.0*	3.741 S	137.934 E	33 N	4.9	1.4	11	IRIAN JAYA, INDONESIA
31	17 39 58.3*	43.410 N	0.559 W	10 G	1.8	6	PYRENEES. ML 2.8 (LDG). mbLg 2.7 (MDD).	
31	18 19 07.64	44.576 N	7.128 E	10 G	0.4	6	NORTHERN ITALY. ML 1.8 (GEN).	
31	18 34 32.9*	31.229 S	68.613 W	100 G	0.1	6	SAN JUAN PROVINCE, ARGENTINA	
31	18 40 25.52	6.80 S	109.12 E	245 ?	0.6	10	JAWA, INDONESIA	
31	18 52 21.54	36.080 N	117.719 W	2		33	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.0 (PAS), 3.1 (GS).	
31	19 05 46.72	40.77 N	22.87 E	5 G	0.5	4	GREECE. ML 1.8 (THE).	
31	20 21 41.9	38.545 N	26.936 E	10 G	0.6	14	AEGEAN SEA. ML 3.3 (ISK). MD 3.2 (ATH).	
31	20 27 55.8	40.070 N	27.627 E	11	0.6	26	TURKEY. ML 3.9 (THE), 3.6 (ISK). MD 3.4 (ATH).	
31	20 57 41.54	40.096 N	27.801 E	10 G	0.5	5	TURKEY. ML 2.6 (ISK).	
31	21 30 56.84	61.414 N	5.648 E	10 G	1.0	8	SOUTHERN NORWAY. MD 2.2 (BER).	
31	22 24 25.7*	24.314 S	66.460 W	318 ?	0.5	8	SALTA PROVINCE, ARGENTINA	
31	22 37 18.84	40.264 N	23.042 E	5 G	0.4	9	GREECE. ML 2.3 (THE).	
31	23 34 32.44	37.130 N	121.530 W	8		11	CENTRAL CALIFORNIA. <GM-P>. MD 2.7 (GM).	
31	23 38 47.54	31.517 S	68.280 W	100 G	0.2	6	SAN JUAN PROVINCE, ARGENTINA	

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

01 00 20 40.57 15.385N 31.690E 13km	Principal Axes:	Best Double Couple:Mo=1.8*10**18
5.2mb (83 obs.) 5.1Msz (40 obs.)	Scale 10**16 Nm	NP1:Strike=139 Dip=36 Slip=-122
SUDAN	T Val= 16.23 Plg=23 Azm=153	NP2: 357 60 -69
CENTROID, MOMENT TENSOR (HRV)	N -1.98 60 14	
Data Used: GDSN	P -14.25 17 251	
L.P.B.: 22S, 35C	Best Double Couple:Mo=1.5*10**17	03 16 33 20.78 28.777N 34.668E 10km
Centroid Location:	NP1:Strike=293 Dip=61 Slip= 4	5.6mb (95 obs.) 5.2Msz (40 obs.)
Origin Time 00:20:44.1 0.8	NP2: 201 86 151	EGYPT
Lat 15.37N 0.07 Lon 31.35E 0.09		CENTROID, MOMENT TENSOR (HRV)
Dep 15.0 FIX Half-duration 1.8	03 07 19 59.58 51.188N 130.797W 10km	Data Used: GDSN
Principal Axes:	5.5mb (99 obs.) 6.1Msz (46 obs.)	L.P.B.: 31S, 65C
Scale 10**17 Nm	QUEEN CHARLOTTE ISLANDS REGION	Centroid Location:
T Val= 2.50 Plg= 9 Azm= 38	CENTROID, MOMENT TENSOR (HRV)	Origin Time 16:33:23.6 0.5
N -0.59 60 292	Data Used: GDSN	Lat 28.36N 0.06 Lon 34.08E 0.05
P -1.91 29 133	L.P.B.: 42S, 99C	Dep 15.0 BDY Half-duration 1.7
Best Double Couple:Mo=2.2*10**17	Centroid Location:	Principal Axes:
NP1:Strike=172 Dip=63 Slip= -14	Origin Time 07:20: 2.3 0.2	Scale 10**17 Nm
NP2: 269 77 -152	Lat 50.88N 0.02 Lon 130.68W 0.03	T Val= 4.79 Plg=34 Azm= 80
	Dep 15.0 FIX Half-duration 2.4	N -0.28 7 174
01 19 32 28.56 17.399N 65.717W 25km	Principal Axes:	P -4.51 55 275
5.0mb (62 obs.) 4.4Msz (31 obs.)	Scale 10**17 Nm	Best Double Couple:Mo=4.7*10**17
PUERTO RICO REGION	T Val= 12.14 Plg=12 Azm=309	NP1:Strike=142 Dip=13 Slip=-123
CENTROID, MOMENT TENSOR (HRV)	N 0.05 57 58	NP2: 356 79 -83
Data Used: GDSN	P -12.20 30 212	
L.P.B.: 22S, 29C	Best Double Couple:Mo=1.2*10**18	04 07 45 10.06 10.825S 161.406E 33km
Centroid Location:	NP1:Strike=355 Dip=60 Slip=-166	5.3mb (33 obs.) 4.7Msz (7 obs.)
Origin Time 19:32:28.8 0.9	NP2: 258 78 -31	SOLOMON ISLANDS
Lat 17.42N FIX;Lon 65.71W FIX		CENTROID, MOMENT TENSOR (HRV)
Dep 15.0 FIX Half-duration 1.3	03 12 43 05.36 28.729N 34.553E 10km	Data Used: GDSN
Principal Axes:	5.9mb (115 obs.) 5.8Msz (52 obs.)	L.P.B.: 30S, 53C
Scale 10**16 Nm	EGYPT	Centroid Location:
T Val= 9.75 Plg=20 Azm=153	FAULT PLANE SOLUTION: P-Waves	Origin Time 07:45:11.9 0.3
N -0.66 15 57	NP1:Strike=355 Dip=85 Slip= -90	Lat 10.85S 0.06 Lon 161.23E 0.05
P -9.09 65 293	NP2: 175 5 -90	Dep 15.0 BDY Half-duration 1.1
Best Double Couple:Mo=9.4*10**16	Principal Axes:	Principal Axes:
NP1:Strike=267 Dip=28 Slip= -57	T Plg=40 Azm= 85	Scale 10**17 Nm
NP2: 51 67 -106	P 50 265	T Val= 1.30 Plg=72 Azm= 16
	Comment: The focal mechanism is	N -0.06 10 140
02 03 13 21.60 30.828N 131.418E 33km	poorly controlled and	P -1.24 14 232
5.4mb (98 obs.) 5.4Msz (44 obs.)	corresponds to normal	Best Double Couple:Mo=1.3*10**17
KYUSHU, JAPAN	faulting. The preferred fault	NP1:Strike=336 Dip=32 Slip= 109
CENTROID, MOMENT TENSOR (HRV)	plane is NP1.	NP2: 134 60 78
Data Used: GDSN	RADIATED ENERGY	
L.P.B.: 35S, 58C	No. of sta: 14 Focal mech. F	04 11 31 18.03 1.629S 99.615E 32km
Centroid Location:	Energy 1.5±0.3*10**13 Nm	5.9mb (123 obs.) 6.3Msz (65 obs.)
Origin Time 03:13:22.7 0.3	MOMENT TENSOR SOLUTION	SOUTHERN SUMATERA, INDONESIA
Lat 31.03N 0.04 Lon 131.26E 0.04	Dep 17 No. of sta: 5	FAULT PLANE SOLUTION: P-Waves
Dep 16.9 2.3 Half-duration 1.6	Principal Axes:	NP1:Strike= 52 Dip=59 Slip= 90
Principal Axes:	Scale 10**18 Nm	NP2: 232 31 90
Scale 10**17 Nm	T Val= 1.37 Plg=13 Azm=116	Principal Axes:
T Val= 2.75 Plg=34 Azm= 9	N -0.06 24 21	T Plg=76 Azm=322
N 0.26 10 272	P -1.31 63 233	P 14 142
P -3.02 54 169	Best Double Couple:Mo=1.3*10**18	Comment: The focal mechanism is
Best Double Couple:Mo=2.9*10**17	NP1:Strike=235 Dip=38 Slip= -49	poorly controlled and
NP1:Strike=137 Dip=14 Slip= -45	NP2: 7 62 -117	corresponds to reverse
NP2: 271 80 -100	CENTROID, MOMENT TENSOR (HRV)	faulting. The preferred fault
	Data Used: GDSN	plane is NP2.
02 15 44 40.17 11.726S 74.162W 54km	L.P.B.: 35S, 86C M.W.: 27S, 43C	RADIATED ENERGY
5.1mb (41 obs.) 5.0Msz (28 obs.)	Centroid Location:	No. of sta: 15 Focal mech. M
CENTRAL PERU	Origin Time 12:43:14.5 0.1	Energy 1.9±0.3*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)	Lat 28.62N 0.02 Lon 34.40E 0.01	MOMENT TENSOR SOLUTION
Data Used: GDSN	Dep 15.0 FIX Half-duration 3.3	Dep 37 No. of sta: 18
L.P.B.: 23S, 31C	Principal Axes:	Principal Axes:
Centroid Location:	Scale 10**18 Nm	Scale 10**18 Nm
Origin Time 15:44:34.5 0.7	T Val= 1.88 Plg=13 Azm= 72	T Val= 6.30 Plg=74 Azm=256
Lat 11.69S 0.07 Lon 73.66W 0.10	N -0.23 18 167	N -0.14 16 64
Dep 25.9 7.8 Half-duration 1.2	P -1.64 67 309	P -6.16 3 155
		Best Double Couple:Mo=6.2*10**18

NP1:Strike=261 Dip=44 Slip= 114
 NP2: 50 50 69
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 56S, **C M.W.: 39S, 66C
 Centroid Location:
 Origin Time 11:31:24.3 0.1
 Lat 1.81S 0.01 Lon 99.51E 0.01
 Dep 17.0 0.6 Half-duration 4.1
 Principal Axes:
 Scale 10**18 Nm
 T Val= 4.90 Plg=57 Azm= 21
 N 0.30 3 116
 P -5.21 33 208
 Best Double Couple:Mo=5.1*10**18
 NP1:Strike=312 Dip=12 Slip= 106
 NP2: 115 78 87

04 19 05 05.21 5.249S 145.697E 96km
 5.3mb (38 obs.)
 EASTERN NEW GUINEA REG., P.N.G.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 24S, 42C
 Centroid Location:
 Origin Time 19:05:11.0 0.6
 Lat 5.25S 0.04 Lon 145.62E 0.06
 Dep 94.4 3.4 Half-duration 1.3
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.26 Plg=49 Azm=182
 N -0.06 9 81
 P -1.20 39 343
 Best Double Couple:Mo=1.2*10**17
 NP1:Strike= 18 Dip=11 Slip= 27
 NP2: 262 85 100

05 01 20 48.55 17.405N 98.235W 62km
 5.0mb (48 obs.)
 GUERRERO, MEXICO
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 20C
 Centroid Location:
 Origin Time 01:20:52.5 0.8
 Lat 17.62N 0.06 Lon 97.94W 0.07
 Dep 53.5 4.3 Half-duration 1.0
 Principal Axes:
 Scale 10**16 Nm
 T Val= 6.53 Plg=14 Azm=235
 N 0.59 26 332
 P -7.12 60 120
 Best Double Couple:Mo=6.8*10**16
 NP1:Strike=294 Dip=39 Slip=-135
 NP2: 166 64 -60

05 11 53 19.15 5.430S 151.700E 61km
 5.2mb (37 obs.) 5.1Msz (34 obs.)
 NEW BRITAIN REGION, P.N.G.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 37S, 64C
 Centroid Location:
 Origin Time 11:53:19.2 0.3
 Lat 5.53S 0.03 Lon 152.12E 0.04
 Dep 21.6 1.9 Half-duration 1.3
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.94 Plg=61 Azm=348
 N 0.03 3 252
 P -1.97 29 161
 Best Double Couple:Mo=2.0*10**17
 NP1:Strike=242 Dip=17 Slip= 79
 NP2: 73 74 93

05 12 42 43.57 18.104S 178.333W 616km
 5.4mb (84 obs.)
 FIJI ISLANDS REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 28S, 46C
 Centroid Location:
 Origin Time 12:42:48.5 0.3
 Lat 17.91S 0.03 Lon 178.15W 0.02
 Dep 633.3 1.8 Half-duration 1.5
 Principal Axes:
 Scale 10**17 Nm
 T Val= 2.71 Plg=25 Azm= 46
 N 0.28 20 146
 P -2.99 57 271
 Best Double Couple:Mo=2.8*10**17
 NP1:Strike= 99 Dip=27 Slip=-140
 NP2: 333 73 -69

06 09 50 12.87 11.556S 13.236W 10km
 5.0mb (41 obs.) 4.9Msz (7 obs.)
 ASCENSION ISLAND REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 16S, 21C
 Centroid Location:
 Origin Time 09:50:18.3 0.8
 Lat 11.82S 0.11 Lon 13.68W 0.10
 Dep 15.0 FIX Half-duration 1.0
 Principal Axes:
 Scale 10**16 Nm
 T Val= 7.17 Plg=10 Azm=131
 N 0.03 68 247
 P -7.19 20 37
 Best Double Couple:Mo=7.2*10**16
 NP1:Strike=176 Dip=69 Slip=-173
 NP2: 83 84 -21

07 00 00 37.07 26.585N 125.612E 155km
 6.0mb (168 obs.)
 NORTHEAST OF TAIWAN
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike= 6 Dip=71 Slip= -55
 NP2: 121 39 -149
 Principal Axes:
 T Plg=19 Azm= 71
 P 51 316
 Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a large strike-slip component. The preferred fault plane is not determined.
 RADIATED ENERGY
 No. of sta: 11 Focal mech. F
 Energy 2.1±0.6*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 151 No. of sta: 11
 Principal Axes:
 Scale 10**18 Nm
 T Val= 4.57 Plg= 9 Azm= 63
 N -0.02 35 160
 P -4.55 54 321
 Best Double Couple:Mo=4.6*10**18
 NP1:Strike=119 Dip=47 Slip=-141
 NP2: 1 63 -50
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 50S, **C M.W.: 42S, 83C
 Centroid Location:
 Origin Time 00:00:42.2 0.1
 Lat 26.68N 0.01 Lon 125.84E 0.01
 Dep 164.9 0.5 Half-duration 3.9
 Principal Axes:
 Scale 10**18 Nm
 T Val= 4.43 Plg=14 Azm= 62
 N 0.52 40 163
 P -4.95 47 317
 Best Double Couple:Mo=4.7*10**18
 NP1:Strike=112 Dip=47 Slip=-151
 NP2: 1 70 -47

07 17 53 24.20 23.866S 179.846E 523km
 6.0mb (96 obs.)
 SOUTH OF FIJI ISLANDS
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike= 3 Dip=90 Slip= -55
 NP2: 93 35 -180
 Principal Axes:
 T Plg=35 Azm= 63
 P 35 303
 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: 29 Focal mech. M
 Energy 3.0±0.4*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 540 No. of sta: 30
 Principal Axes:
 Scale 10**19 Nm
 T Val= 1.29 Plg=37 Azm= 70
 N 0.00 22 178
 P -1.29 45 291
 Best Double Couple:Mo=1.3*10**19
 NP1:Strike=100 Dip=22 Slip=-169
 NP2: 359 86 -68
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN

L.P.B.: 53S, **C M.W.: 42S, 81C
 Centroid Location:
 Origin Time 17:53:34.1 0.1
 Lat 23.91S 0.01 Lon 179.99E 0.01
 Dep 546.8 0.6 Half-duration 5.3
 Principal Axes:
 Scale 10**19 Nm
 T Val= 1.30 Plg=36 Azm= 69
 N 0.02 29 182
 P -1.32 40 300
 Best Double Couple:Mo=1.3*10**19
 NP1:Strike= 98 Dip=29 Slip=-175
 NP2: 4 88 -61

07 19 42 41.91 41.985N 139.839E 14km
 6.2mb (165 obs.) 6.1Msz (36 obs.)
 HOKKAIDO, JAPAN REGION
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=188 Dip=50 Slip= 90
 NP2: 8 40 90
 Principal Axes:
 T Plg=85 Azm= 98
 P 5 278
 Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
 RADIATED ENERGY
 No. of sta: 23 Focal mech. F
 Energy 2.4±0.2*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 4 No. of sta: 25
 Principal Axes:
 Scale 10**18 Nm
 T Val= 6.34 Plg=78 Azm=214
 N 1.21 10 1
 P -7.55 6 92
 Best Double Couple:Mo=6.9*10**18
 NP1:Strike=193 Dip=40 Slip= 106
 NP2: 354 52 77
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 51S, **C M.W.: 23S, 43C
 Centroid Location:
 Origin Time 19:42:48.1 0.1
 Lat 42.00N 0.02 Lon 139.79E 0.01
 Dep 26.9 0.6 Half-duration 3.3
 Principal Axes:
 Scale 10**18 Nm
 T Val= 2.84 Plg=83 Azm=115
 N 0.31 3 0
 P -3.16 6 270
 Best Double Couple:Mo=3.0*10**18
 NP1:Strike=357 Dip=39 Slip= 85
 NP2: 183 52 94

08 00 31 06.69 0.841N 120.368E 34km
 5.4mb (50 obs.) 4.7Msz (9 obs.)
 MINAHASSA PENINSULA, SULAWESI
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 23S, 41C
 Centroid Location:
 Origin Time 00:31:13.8 0.8
 Lat 1.31N 0.05 Lon 120.84E 0.07
 Dep 57.4 4.7 Half-duration 1.5
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.69 Plg=13 Azm=151
 N 0.12 52 44
 P -1.81 35 250
 Best Double Couple:Mo=1.8*10**17
 NP1:Strike=285 Dip=56 Slip= -18
 NP2: 25 75 -145

08 08 34 24.93 12.982N 144.801E 59km
 7.1mb (85 obs.) 8.0Msz (39 obs.)
 SOUTH OF MARIANA ISLANDS
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike= 75 Dip=70 Slip= 90
 NP2: 255 20 90
 Principal Axes:
 T Plg=65 Azm=345
 P 25 165
 Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
 RADIATED ENERGY
 No. of sta: 17 Focal mech. M
 Energy 6.8±1.6*10**15 Nm

MOMENT TENSOR SOLUTION
 Dep 68 No. of sta: 13
 Principal Axes:
 Scale 10**20 Nm
 T Val= 1.88 Plg=45 Azm=304
 N 0.59 40 91
 P -2.47 17 197
 Best Double Couple:Mo=2.2*10**20
 NP1:Strike=329 Dip=45 Slip= 156
 NP2: 77 73 47
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 M.W.: 51S, **C
 Centroid Location:
 Origin Time 08:34:49.3 0.1
 Lat 13.06N 0.01 Lon 145.31E 0.01
 Dep 59.3 0.5 Half-duration 19.9
 Principal Axes:
 Scale 10**20 Nm
 T Val= 6.04 Plg=52 Azm=327
 N -1.68 15 77
 P -4.36 34 177
 Best Double Couple:Mo=5.2*10**20
 NP1:Strike=312 Dip=18 Slip= 147
 NP2: 75 80 75

09 09 15 16.54 13.381N 145.663E 61km
 5.3mb (66 obs.) 5.5Msz (63 obs.)
 MARIANA ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 34S, 67C
 Centroid Location:
 Origin Time 09:15:17.8 0.2
 Lat 13.22N 0.02 Lon 146.10E 0.03
 Dep 20.8 1.6 Half-duration 1.6
 Principal Axes:
 Scale 10**17 Nm
 T Val= 3.00 Plg=78 Azm=282
 N 0.95 8 50
 P -3.96 10 142
 Best Double Couple:Mo=3.5*10**17
 NP1:Strike=241 Dip=36 Slip= 103
 NP2: 45 55 80

09 11 38 30.53 36.436N 70.711E 204km
 5.8mb (173 obs.)
 HINDU KUSH REGION, AFGHANISTAN
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=125 Dip=60 Slip= 90
 NP2: 305 30 90
 Principal Axes:
 T Plg=75 Azm= 35
 P 15 215
 Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting. The preferred fault
 plane is NP2.
 RADIATED ENERGY
 No. of sta: 15 Focal mech. F
 Energy 1.4±0.2*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 214 No. of sta: 20
 Principal Axes:
 Scale 10**18 Nm
 T Val= 4.55 Plg=69 Azm= 81
 N 0.00 16 303
 P -4.55 14 209
 Best Double Couple:Mo=4.6*10**18
 NP1:Strike=278 Dip=34 Slip= 61
 NP2: 133 60 109
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 51S, **C
 Centroid Location:
 Origin Time 11:38:37.6 0.1
 Lat 36.35N 0.02 Lon 70.59E 0.01
 Dep 209.6 0.8 Half-duration 3.7
 Principal Axes:
 Scale 10**18 Nm
 T Val= 3.35 Plg=62 Azm= 21
 N 0.06 0 291
 P -3.41 28 200
 Best Double Couple:Mo=3.4*10**18
 NP1:Strike=290 Dip=17 Slip= 89
 NP2: 111 73 90

09 12 42 48.19 36.379N 70.868E 215km
 6.2mb (140 obs.)
 HINDU KUSH REGION, AFGHANISTAN
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=110 Dip=65 Slip= 90

NP2: 290 25 90
 Principal Axes:
 T Plg=70 Azm= 20
 P 20 200
 Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting. The preferred fault
 plane is NP2.
 RADIATED ENERGY
 No. of sta: 14 Focal mech. F
 Energy 2.9±0.6*10**14 Nm
 MOMENT TENSOR SOLUTION
 Dep 221 No. of sta: 11
 Principal Axes:
 Scale 10**19 Nm
 T Val= 3.16 Plg=68 Azm= 29
 N -0.06 6 283
 P -3.10 21 190
 Best Double Couple:Mo=3.1*10**19
 NP1:Strike=269 Dip=25 Slip= 74
 NP2: 106 66 97
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 52S, **C M.W.: 49S, **C
 Centroid Location:
 Origin Time 12:42:58.3 0.1
 Lat 36.48N 0.01 Lon 70.47E 0.01
 Dep 213.7 0.5 Half-duration 7.8
 Principal Axes:
 Scale 10**19 Nm
 T Val= 3.76 Plg=67 Azm= 33
 N -0.37 7 287
 P -3.39 22 194
 Best Double Couple:Mo=3.6*10**19
 NP1:Strike=271 Dip=24 Slip= 73
 NP2: 109 67 98

10 00 51 53.25 45.277S 166.927E 28km
 6.2mb (45 obs.) 7.0Msz (40 obs.)
 OFF W. COAST OF S. ISLAND, N.Z.
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=190 Dip=68 Slip= 90
 NP2: 10 22 90
 Principal Axes:
 T Plg=67 Azm=100
 P 23 280
 Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting. The preferred fault
 plane is NP2.
 RADIATED ENERGY
 No. of sta: 7 Focal mech. M
 Energy 1.6±0.3*10**14 Nm
 MOMENT TENSOR SOLUTION
 Dep 36 No. of sta: 12
 Principal Axes:
 Scale 10**19 Nm
 T Val= 2.76 Plg=65 Azm= 64
 N 1.12 20 207
 P -3.88 14 302
 Best Double Couple:Mo=3.3*10**19
 NP1:Strike= 57 Dip=36 Slip= 126
 NP2: 195 62 67
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 59S, **C M.W.: 51S, **C
 Centroid Location:
 Origin Time 00:52: 3.8 0.1
 Lat 45.04S 0.01 Lon 166.73E 0.01
 Dep 15.0 BDY Half-duration 7.8
 Principal Axes:
 Scale 10**19 Nm
 T Val= 3.28 Plg=63 Azm= 65
 N 0.03 17 192
 P -3.32 20 289
 Best Double Couple:Mo=3.3*10**19
 NP1:Strike= 46 Dip=29 Slip= 127
 NP2: 185 67 71

10 08 53 18.58 12.998N 144.848E 43km
 5.4mb (76 obs.) 5.1Msz (48 obs.)
 SOUTH OF MARIANA ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 27S, 45C
 Centroid Location:
 Origin Time 08:53:22.8 0.5
 Lat 12.70N 0.05 Lon 144.81E 0.07
 Dep 29.3 3.9 Half-duration 1.3
 Principal Axes:
 Scale 10**17 Nm

T Val= 1.65 Plg=62 Azm=277
 N -0.04 21 54
 P -1.60 17 151
 Best Double Couple:Mo=1.6*10**17
 NP1:Strike=271 Dip=34 Slip= 131
 NP2: 44 66 66

10 09 46 35.35 38.520S 177.553E 14km
 6.0mb (67 obs.) 6.0Msz (34 obs.)
 NORTH ISLAND, NEW ZEALAND
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike= 83 Dip=85 Slip= 90
 NP2: 263 5 90
 Principal Axes:
 T Plg=50 Azm=353
 P 40 173
 Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting. The preferred fault
 plane is NP2.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 55S, **C M.W.: 39S, 76C
 Centroid Location:
 Origin Time 09:46:45.6 0.1
 Lat 38.46S 0.01 Lon 178.06E 0.01
 Dep 15.0 FIX Half-duration 4.1
 Principal Axes:
 Scale 10**18 Nm
 T Val= 5.17 Plg=32 Azm=319
 N -1.43 50 96
 P -3.73 22 214
 Best Double Couple:Mo=4.4*10**18
 NP1:Strike=353 Dip=50 Slip= 172
 NP2: 88 84 40

10 19 36 20.73 83.066N 27.533W 10km
 5.4mb (121 obs.) 5.0Msz (51 obs.)
 NEAR NORTH COAST OF GREENLAND
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 22S, 32C
 Centroid Location:
 Origin Time 19:36:27.8 0.5
 Lat 83.13N 0.06 Lon 30.16W 0.46
 Dep 15.0 FIX Half-duration 1.5
 Principal Axes:
 Scale 10**17 Nm
 T Val= 2.87 Plg=31 Azm= 45
 N -0.20 30 294
 P -2.68 43 171
 Best Double Couple:Mo=2.8*10**17
 NP1:Strike=189 Dip=31 Slip= -13
 NP2: 290 83 -121

11 04 09 12.54 45.209S 166.857E 28km
 5.5mb (21 obs.) 5.2Msz (10 obs.)
 OFF W. COAST OF S. ISLAND, N.Z.
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 29S, 50C
 Centroid Location:
 Origin Time 04:09:23.0 0.5
 Lat 44.34S 0.06 Lon 166.93E 0.05
 Dep 15.0 FIX Half-duration 1.6
 Principal Axes:
 Scale 10**17 Nm
 T Val= 2.80 Plg=51 Azm= 25
 N 0.53 37 185
 P -3.32 10 283
 Best Double Couple:Mo=3.1*10**17
 NP1:Strike= 49 Dip=48 Slip= 144
 NP2: 164 64 48

11 14 17 37.72 13.178N 145.651E 22km
 5.9mb (114 obs.) 6.1Msz (64 obs.)
 MARIANA ISLANDS
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike= 8 Dip=87 Slip= 90
 NP2: 188 3 90
 Principal Axes:
 T Plg=48 Azm=278
 P 42 98
 Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting. The preferred fault
 plane is NP2.
 RADIATED ENERGY
 No. of sta: 21 Focal mech. M
 Energy 8.6±1.7*10**12 Nm
 MOMENT TENSOR SOLUTION

Dep 5	No. of sta: 27	corresponds to strike-slip	No. of sta: 19 Focal mech. F
Principal Axes:		faulting with a large normal	Energy 7.4±1.2*10**12 Nm
Scale 10**18 Nm		component. The preferred fault	CENTROID, MOMENT TENSOR (HRV)
T Val= 2.45 Plg=49 Azm=279		plane is not determined.	Data Used: GDSN
N 0.23 2 187		CENTROID, MOMENT TENSOR (HRV)	L.P.B.: 52S, **C
P -2.68 41 96		Data Used: GDSN	Centroid Location:
Best Double Couple:Mo=2.6*10**18		L.P.B.: 53S, **C	Origin Time 04:33:54.0 0.2
NP1:Strike=162 Dip=4 Slip= 65		Centroid Location:	Lat 13.03N 0.01 Lon 145.35E 0.02
NP2: 7 86 92		Origin Time 11:02:28.1 0.1	Dep 34.3 1.1 Half-duration 2.4
CENTROID, MOMENT TENSOR (HRV)		Lat 35.86S 0.01 Lon 178.89E 0.01	Principal Axes:
Data Used: GDSN		Dep 110.2 0.7 Half-duration 3.3	Scale 10**17 Nm
L.P.B.: 55S, **C M.W.: 29S, 41C		Principal Axes:	T Val= 9.89 Plg=13 Azm=328
Centroid Location:		Scale 10**18 Nm	N -0.41 16 234
Origin Time 14:17:42.7 0.1		T Val= 3.01 Plg=45 Azm=128	P -9.48 69 95
Lat 13.38N 0.01 Lon 145.98E 0.02		N -0.07 17 20	Best Double Couple:Mo=9.7*10**17
Dep 31.5 1.0 Half-duration 2.3		P -2.94 40 275	NP1:Strike= 79 Dip=35 Slip= -61
Principal Axes:		Best Double Couple:Mo=3.0*10**18	NP2: 225 60 -109
Scale 10**17 Nm		NP1:Strike=299 Dip=17 Slip= 9	
T Val= 10.32 Plg=32 Azm=320		NP2: 201 87 107	
N 2.45 36 204			
P -12.77 38 80			
Best Double Couple:Mo=1.2*10**18			
NP1:Strike=107 Dip=36 Slip= -6			
NP2: 201 87 -126			
11 22 08 49.20 45.328S 166.666E 33km		14 14 30 04.66 25.440N 101.545E 33km	16 14 44 58.97 51.479N 178.696E 33km
4.8mb (12 obs.) 4.9Msz (2 obs.)		4.9mb (86 obs.) 4.8Msz (8 obs.)	5.2mb (115 obs.) 4.7Msz (39 obs.)
OFF W. COAST OF S. ISLAND, N.Z.		YUNNAN, CHINA	RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)		CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN		Data Used: GDSN	Data Used: GDSN
L.P.B.: 11S, 13C		L.P.B.: 12S, 17C	L.P.B.: 22S, 31C
Centroid Location:		Centroid Location:	Centroid Location:
Origin Time 22:08:48.9 0.7		Origin Time 14:30: 7.9 0.9	Origin Time 14:45: 4.7 0.5
Lat 45.35S FIX;Lon 166.61E FIX		Lat 25.63N 0.10 Lon 101.80E 0.10	Lat 51.72N 0.10 Lon 178.39E 0.09
Dep 15.0 FIX Half-duration 1.0		Dep 33.0 FIX Half-duration 1.1	Dep 33.0 FIX Half-duration 1.2
Principal Axes:		Principal Axes:	Principal Axes:
Scale 10**16 Nm		Scale 10**16 Nm	Scale 10**17 Nm
T Val= 7.37 Plg= 0 Azm=222		T Val= 7.67 Plg=21 Azm= 72	T Val= 1.29 Plg=51 Azm= 32
N -0.78 90 180		N -0.24 69 252	N -0.07 2 300
P -6.60 0 132		P -7.42 0 162	P -1.22 39 208
Best Double Couple:Mo=7.0*10**16		Best Double Couple:Mo=7.5*10**16	Best Double Couple:Mo=1.2*10**17
NP1:Strike=267 Dip=90 Slip=-180		NP1:Strike=209 Dip=76 Slip= 15	NP1:Strike=280 Dip= 7 Slip= 70
NP2: 357 90 0		NP2: 115 76 165	NP2: 120 84 92
12 01 00 34.33 12.744S 166.518E 35km		15 03 10 21.28 0.711N 25.956W 15km	19 06 48 26.98 13.321N 124.157E 71km
5.3mb (39 obs.) 5.3Msz (21 obs.)		5.3mb (92 obs.) 5.3Msz (17 obs.)	5.3mb (50 obs.)
SANTA CRUZ ISLANDS		CENTRAL MID-ATLANTIC RIDGE	LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)		CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN		Data Used: GDSN	Data Used: GDSN
L.P.B.: 54S, **C		L.P.B.: 48S, **C	L.P.B.: 19S, 26C
Centroid Location:		Centroid Location:	Centroid Location:
Origin Time 01:00:41.6 0.2		Origin Time 03:10:27.5 0.1	Origin Time 06:48:28.8 0.5
Lat 12.71S 0.02 Lon 166.46E 0.02		Lat 0.77N 0.02 Lon 26.09W 0.02	Lat 13.46N 0.04 Lon 124.53E 0.06
Dep 36.0 BDY Half-duration 1.8		Dep 15.0 BDY Half-duration 2.1	Dep 75.5 4.9 Half-duration 1.1
Principal Axes:		Principal Axes:	Principal Axes:
Scale 10**17 Nm		Scale 10**17 Nm	Scale 10**16 Nm
T Val= 4.80 Plg=79 Azm=313		T Val= 6.45 Plg=18 Azm= 39	T Val= 10.05 Plg= 8 Azm=163
N 0.21 8 173		N 0.08 67 257	N 0.95 50 63
P -5.02 7 82		P -6.52 14 133	P -11.00 38 260
Best Double Couple:Mo=4.9*10**17		Best Double Couple:Mo=6.5*10**17	Best Double Couple:Mo=1.1*10**17
NP1:Strike=162 Dip=39 Slip= 77		NP1:Strike=177 Dip=67 Slip= 4	NP1:Strike=294 Dip=57 Slip= -24
NP2: 359 52 100		NP2: 85 87 157	NP2: 37 70 -145
12 18 49 05.42 51.999N 176.071W 46km		15 20 28 57.32 53.015N 159.680E 58km	19 08 03 22.89 13.169N 145.531E 61km
5.1mb (45 obs.) 4.3Msz (7 obs.)		5.3mb (94 obs.)	5.5mb (77 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.		NEAR EAST COAST OF KAMCHATKA	MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)		CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN		Data Used: GDSN	Data Used: GDSN
L.P.B.: 11S, 14C		L.P.B.: 24S, 34C	L.P.B.: 10S, 16C
Centroid Location:		Centroid Location:	Centroid Location:
Origin Time 18:49: 7.2 0.8		Origin Time 20:28:57.4 0.8	Origin Time 08:03:27.3 1.5
Lat 51.83N 0.09 Lon 176.06W 0.14		Lat 52.58N 0.07 Lon 160.54E 0.09	Lat 13.16N FIX;Lon 145.48E FIX
Dep 34.3 9.1 Half-duration 1.2		Dep 42.7 4.7 Half-duration 1.0	Dep 16.0 BDY Half-duration 1.0
Principal Axes:		Principal Axes:	Principal Axes:
Scale 10**16 Nm		Scale 10**16 Nm	Scale 10**17 Nm
T Val= 5.81 Plg=60 Azm=348		T Val= 5.44 Plg=69 Azm=307	T Val= 1.70 Plg=47 Azm=272
N -0.45 2 254		N -0.52 1 40	N -0.05 10 12
P -5.37 30 163		P -4.91 21 131	P -1.66 41 111
Best Double Couple:Mo=5.6*10**16		Best Double Couple:Mo=5.2*10**16	Best Double Couple:Mo=1.7*10**17
NP1:Strike=247 Dip=15 Slip= 82		NP1:Strike=223 Dip=24 Slip= 93	NP1:Strike=266 Dip=10 Slip= 164
NP2: 75 75 92		NP2: 40 66 89	NP2: 12 87 80
13 11 02 20.39 35.989S 178.510E 95km		16 04 33 48.44 12.966N 144.972E 18km	19 08 11 53.62 51.579N 171.217W 33km
5.8mb (62 obs.)		5.6mb (95 obs.) 6.0Msz (72 obs.)	5.3mb (79 obs.) 5.3Msz (34 obs.)
OFF E. COAST OF N. ISLAND, N.Z.		SOUTH OF MARIANA ISLANDS	FOX ISLANDS, ALEUTIAN ISLANDS
FAULT PLANE SOLUTION: P-Waves		FAULT PLANE SOLUTION: P-Waves	CENTROID, MOMENT TENSOR (HRV)
NP1:Strike= 15 Dip=85 Slip=-144		NP1:Strike=218 Dip=62 Slip=-120	Data Used: GDSN
NP2: 281 54 -6		NP2: 89 40 -47	L.P.B.: 40S, 71C
Principal Axes:		Principal Axes:	Centroid Location:
T Plg=21 Azm=143		T Plg=12 Azm=329	Origin Time 08:11:52.5 0.4
P 28 244		P 61 82	Lat 51.17N 0.03 Lon 171.06W 0.05
Comment: The focal mechanism is		Comment: The focal mechanism is	Dep 35.0 BDY Half-duration 1.5
poorly controlled and		poorly controlled and	Principal Axes:
		corresponds to normal faulting	Scale 10**17 Nm
		with a large right-lateral	T Val= 2.15 Plg=70 Azm=339
		strike-slip component. The	N 0.53 0 69
		preferred fault plane is NP1.	P -2.68 20 159
		RADIATED ENERGY	Best Double Couple:Mo=2.4*10**17
			NP1:Strike=249 Dip=25 Slip= 90
			NP2: 69 65 90

19 15 21 38.26 7.197N 126.807E 31km
5.4mb (79 obs.) 5.5Msz (36 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 47S, **C
Centroid Location:
Origin Time 15:21:46.9 0.2
Lat 7.10N 0.02 Lon 127.15E 0.02
Dep 45.7 1.5 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 7.47 Plg=75 Azm=322
N 1.21 9 196
P -8.68 11 104
Best Double Couple:Mo=8.1*10**17
NP1:Strike=182 Dip=34 Slip= 74
NP2: 21 57 101

19 21 52 05.21 7.167N 126.743E 31km
5.3mb (52 obs.) 4.8Msz (15 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 42C
Centroid Location:
Origin Time 21:52:13.9 0.4
Lat 7.31N 0.06 Lon 127.25E 0.06
Dep 29.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 1.89 Plg=65 Azm=333
N -0.07 17 203
P -1.82 18 108
Best Double Couple:Mo=1.9*10**17
NP1:Strike=173 Dip=31 Slip= 56
NP2: 31 65 108

20 05 06 53.85 5.997S 142.743E 15km
6.0mb (84 obs.) 6.0Msz (62 obs.)
NEW GUINEA, PAPUA NEW GUINEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=318 Dip=65 Slip= 123
NP2: 81 41 41
Principal Axes:
T Plg=57 Azm=273
P 14 25
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: 16 Focal mech. F
Energy 1.9±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 10 No. of sta: 25
Principal Axes:
Scale 10**18 Nm
T Val= 2.29 Plg=73 Azm=221
N 0.07 3 321
P -2.36 17 51
Best Double Couple:Mo=2.3*10**18
NP1:Strike=146 Dip=28 Slip= 96
NP2: 319 62 87
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 57S, **C M.W.: 39S, 66C
Centroid Location:
Origin Time 05:07: 1.1 0.1
Lat 6.02S 0.01 Lon 142.83E 0.01
Dep 15.0 BDY Half-duration 2.9
Principal Axes:
Scale 10**18 Nm
T Val= 2.04 Plg=72 Azm=267
N 0.05 16 115
P -2.09 8 23
Best Double Couple:Mo=2.1*10**18
NP1:Strike= 95 Dip=39 Slip= 64
NP2: 307 55 110

20 11 23 58.08 15.250S 173.193W 23km
5.1mb (29 obs.) 5.1Msz (7 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 36C
Centroid Location:
Origin Time 11:24: 0.8 1.0
Lat 15.21S 0.08 Lon 172.86W 0.07
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 1.76 Plg=28 Azm=330
N -0.08 39 213
P -1.68 38 84
Best Double Couple:Mo=1.7*10**17
NP1:Strike=112 Dip=40 Slip= -9
NP2: 209 84 -130

20 11 52 04.60 21.686N 143.064E 288km
5.3mb (105 obs.)
MARIANA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 20S, 29C
Centroid Location:
Origin Time 11:52: 8.0 0.7
Lat 22.01N 0.06 Lon 143.15E 0.05
Dep 300.6 2.6 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 1.84 Plg=73 Azm=298
N -0.14 15 94
P -1.71 6 185
Best Double Couple:Mo=1.8*10**17
NP1:Strike=292 Dip=41 Slip= 114
NP2: 82 53 71

20 18 57 10.75 25.991S 175.261W 22km
5.5mb (51 obs.) 5.1Msz (36 obs.)
SOUTH OF TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 40S, 66C
Centroid Location:
Origin Time 18:57:15.3 0.3
Lat 26.01S 0.05 Lon 174.90W 0.03
Dep 26.0 BDY Half-duration 1.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.37 Plg= 8 Azm= 95
N -0.11 16 187
P -1.26 73 339
Best Double Couple:Mo=1.3*10**17
NP1:Strike=167 Dip=40 Slip=-115
NP2: 18 54 -71

21 08 07 49.93 46.404S 96.032E 10km
5.2mb (25 obs.) 5.5Msz (3 obs.)
SOUTHEAST INDIAN RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 46S, 94C
Centroid Location:
Origin Time 08:08: 0.1 0.2
Lat 46.27S 0.02 Lon 95.79E 0.03
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.75 Plg=17 Azm= 81
N -0.96 72 235
P -3.79 8 349
Best Double Couple:Mo=4.3*10**17
NP1:Strike=124 Dip=73 Slip= 174
NP2: 216 84 17

21 09 42 35.91 21.278S 178.023W 427km
5.7mb (79 obs.)
FIJI ISLANDS REGION
RADIATED ENERGY
No. of sta: 23 Focal mech. C
Energy 4.2±0.8*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 47S, **C
Centroid Location:
Origin Time 09:42:44.1 0.2
Lat 21.23S 0.02 Lon 177.65W 0.01
Dep 453.4 0.8 Half-duration 2.6
Principal Axes:
Scale 10**18 Nm
T Val= 1.39 Plg=10 Azm=118
N 0.18 3 209
P -1.57 79 317
Best Double Couple:Mo=1.5*10**18
NP1:Strike=204 Dip=35 Slip= -96
NP2: 31 55 -86

22 10 02 11.21 14.238N 90.701W 108km
5.0mb (66 obs.)
GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 42S, 86C

Centroid Location:
Origin Time 10:02:14.6 0.3
Lat 13.83N 0.03 Lon 91.33W 0.02
Dep 43.0 2.2 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 4.52 Plg=52 Azm= 39
N 0.51 3 305
P -5.02 38 213
Best Double Couple:Mo=4.8*10**17
NP1:Strike=282 Dip= 8 Slip= 67
NP2: 126 83 93

23 21 02 59.81 15.582S 172.859W 33km
5.1mb (37 obs.) 5.0Msz (45 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 45C
Centroid Location:
Origin Time 21:03: 4.5 0.6
Lat 15.32S 0.06 Lon 172.61W 0.06
Dep 15.0 BDY Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 10.49 Plg=11 Azm=282
N -1.34 9 190
P -9.15 76 62
Best Double Couple:Mo=9.8*10**16
NP1:Strike= 24 Dip=35 Slip= -74
NP2: 184 57 -101

24 21 23 16.00 8.438S 121.639E 33km
5.0mb (21 obs.)
FLORES REGION, INDONESIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 13C
Centroid Location:
Origin Time 21:23:21.4 1.8
Lat 8.47S FIX; Lon 121.67E FIX
Dep 22.2 9.4 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 13.61 Plg=55 Azm=142
N -2.03 19 22
P -11.58 28 282
Best Double Couple:Mo=1.3*10**17
NP1:Strike=332 Dip=25 Slip= 37
NP2: 207 75 110

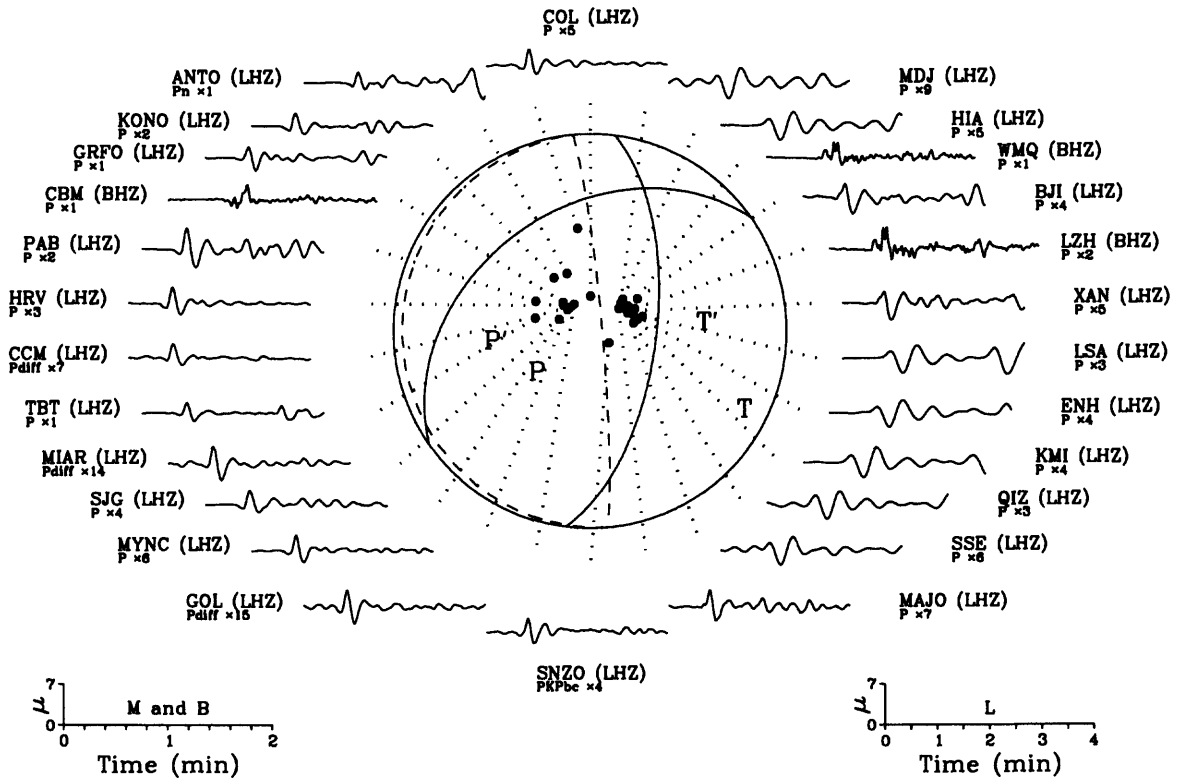
25 05 25 32.27 44.718S 79.958W 10km
5.6mb (40 obs.) 5.4Msz (35 obs.)
OFF COAST OF SOUTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 57S, **C
Centroid Location:
Origin Time 05:25:42.3 0.1
Lat 45.01S 0.01 Lon 80.80W 0.02
Dep 15.0 FIX Half-duration 3.1
Principal Axes:
Scale 10**18 Nm
T Val= 2.12 Plg= 9 Azm= 31
N 0.12 72 272
P -2.24 16 123
Best Double Couple:Mo=2.2*10**18
NP1:Strike=166 Dip=73 Slip= -5
NP2: 258 85 -163

26 01 30 00.07 35.899S 178.265E 33km
5.5mb (20 obs.) 5.4Msz (33 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 45S, 86C
Centroid Location:
Origin Time 01:30: 2.0 0.2
Lat 35.42S 0.02 Lon 178.47E 0.03
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 2.93 Plg=10 Azm=152
N -0.75 25 57
P -2.18 63 262
Best Double Couple:Mo=2.6*10**17
NP1:Strike=269 Dip=41 Slip= -51
NP2: 41 59 -119

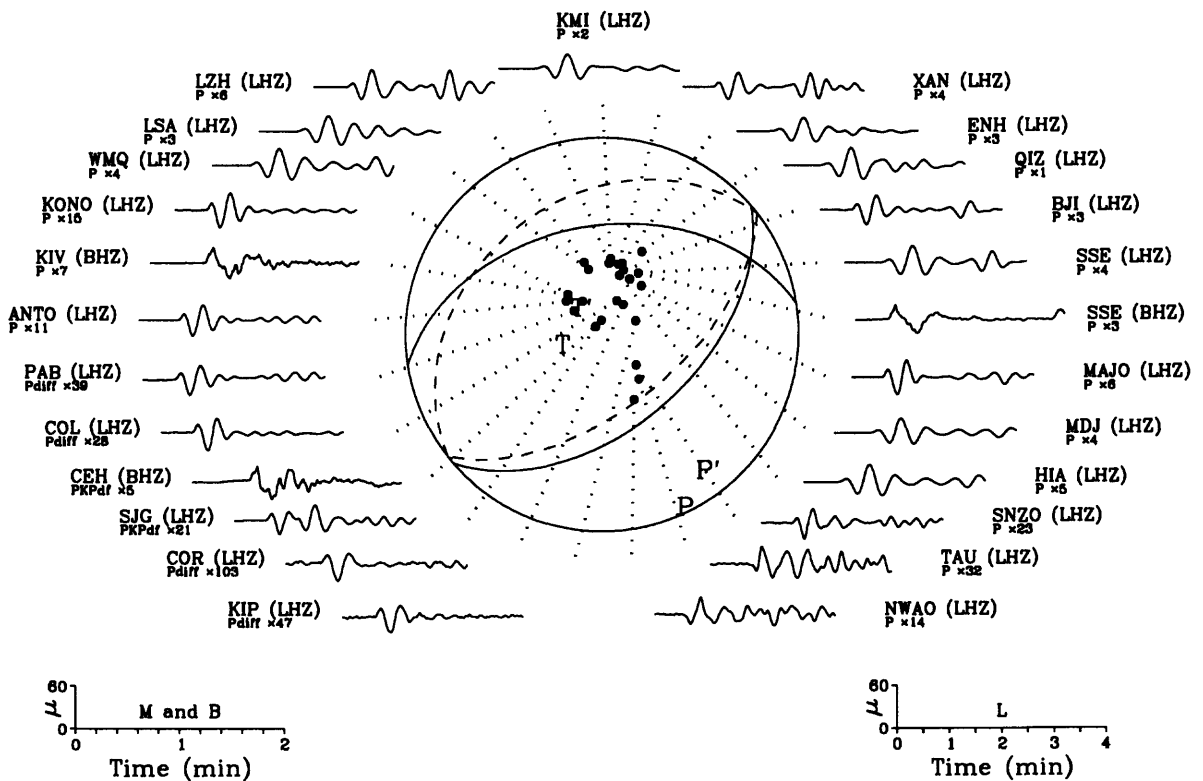
26 03 32 42.39 5.480S 154.193E 137km
5.8mb (90 obs.)
SCLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)

Data Used: GDSN	N	2.05	40	65	Data Used: GDSN
L.P.B.: 52S, 93C	P	-9.16	5	159	L.P.B.: 8S, 10C
Centroid Location:	Best Double Couple:Mo=8.1*10**17				Centroid Location:
Origin Time 03:32:46.4 0.2	NP1:Strike=283 Dip=53 Slip= 143				Origin Time 12:12:33.5 1.1
Lat 5.30S 0.02 Lon 154.06E 0.02	NP2: 38 61 43				Lat 48.38N 0.16 Lon 143.64E 0.19
Dep 131.7 0.8 Half-duration 1.7	29 09 57 54.96 7.005S 129.560E 147km				Dep 44.913.4 Half-duration 1.0
Principal Axes:	5.8mb (85 obs.)				Principal Axes:
Scale 10**17 Nm	BANDA SEA				Scale 10**16 Nm
T Val= 4.06 Plg=73 Azm= 60	FAULT PLANE SOLUTION: P-Waves				T Val= 3.02 Plg=64 Azm=134
N -0.29 3 322	NP1:Strike= 70 Dip=65 Slip= 90				N -0.55 20 355
P -3.77 17 231	NP2: 250 25 90				P -2.47 16 259
Best Double Couple:Mo=3.9*10**17	Principal Axes:				Best Double Couple:Mo=2.7*10**16
NP1:Strike=317 Dip=28 Slip= 84	T Plg=70 Azm=340				NP1:Strike=323 Dip=34 Slip= 52
NP2: 143 62 93	P 20 160				NP2: 186 64 113
28 20 14 45.87 6.571N 94.668E 133km	Comment: The focal mechanism is				31 03 50 28.65 7.017S 129.365E 123km
5.8mb (159 obs.)	poorly controlled and				5.2mb (32 obs.)
NICOBAR ISLANDS, INDIA	corresponds to reverse				BANDA SEA
FAULT PLANE SOLUTION: P-Waves	faulting. The preferred fault				CENTROID, MOMENT TENSOR (HRV)
NP1:Strike=255 Dip=46 Slip= 135	plane is NP2.				Data Used: GDSN
NP2: 20 59 54	RADIATED ENERGY				L.P.B.: 7S, 9C
Principal Axes:	No. of sta: 5 Focal mech. M				Centroid Location:
T Plg=58 Azm=237	Energy 1.6±0.2*10**12 Nm				Origin Time 03:50:32.4 1.3
P 8 135	MOMENT TENSOR SOLUTION				Lat 7.00S FIX;Lon 129.34E FIX
Comment: The focal mechanism is	Dep 146 No. of sta: 21				Dep 146.9 5.3 Half-duration 1.0
poorly controlled and	Principal Axes:				Principal Axes:
corresponds to reverse	Scale 10**17 Nm				Scale 10**16 Nm
faulting with a large strike-	T Val= 8.68 Plg=51 Azm=298				T Val= 5.80 Plg=47 Azm=227
slip component. The preferred	N 0.16 34 87				N 1.11 36 7
fault plane is not determined.	P -8.84 15 187				P -6.91 21 113
RADIATED ENERGY	Best Double Couple:Mo=8.8*10**17				Best Double Couple:Mo=6.4*10**16
No. of sta: 5 Focal mech. F	NP1:Strike=315 Dip=42 Slip= 147				NP1:Strike=247 Dip=40 Slip= 156
Energy 1.5±0.3*10**12 Nm	NP2: 71 69 53				NP2: 356 75 53
MOMENT TENSOR SOLUTION	CENTROID, MOMENT TENSOR (HRV)				
Dep 113 No. of sta: 16	Data Used: GDSN				31 06 55 32.41 41.878N 49.466E 85km
Principal Axes:	L.P.B.: 27S, 36C				5.3mb (97 obs.)
Scale 10**17 Nm	Centroid Location:				CASPIAN SEA
T Val= 6.40 Plg=55 Azm=247	Origin Time 09:57:50.4 0.5				CENTROID, MOMENT TENSOR (HRV)
N 1.95 34 55	Lat 6.96S FIX;Lon 129.53E FIX				Data Used: GDSN
P -8.34 6 149	Dep 121.0 2.7 Half-duration 2.1				L.P.B.: 34S, 54C
Best Double Couple:Mo=7.4*10**17	Principal Axes:				Centroid Location:
NP1:Strike=270 Dip=49 Slip= 137	Scale 10**17 Nm				Origin Time 06:55:36.4 0.4
NP2: 31 59 50	T Val= 4.54 Plg=57 Azm=157				Lat 41.74N 0.03 Lon 49.49E 0.04
CENTROID, MOMENT TENSOR (HRV)	N -0.46 28 304				Dep 81.6 2.4 Half-duration 1.1
Data Used: GDSN	P -4.07 15 42				Principal Axes:
L.P.B.: 52S, **C	Best Double Couple:Mo=4.3*10**17				Scale 10**16 Nm
Centroid Location:	NP1:Strike=166 Dip=39 Slip= 139				T Val= 9.67 Plg=54 Azm= 52
Origin Time 20:14:48.4 0.2	NP2: 290 66 59				N 0.40 31 267
Lat 6.55N 0.01 Lon 94.80E 0.02	30 12 12 31.54 48.508N 143.326E 18km				P -10.07 17 166
Dep 104.1 0.9 Half-duration 2.0	5.2mb (82 obs.) 4.3MsZ (11 obs.)				Best Double Couple:Mo=9.9*10**16
Principal Axes:	SAKHALIN ISLAND				NP1:Strike=219 Dip=39 Slip= 35
Scale 10**17 Nm	CENTROID, MOMENT TENSOR (HRV)				NP2: 101 68 124
T Val= 7.11 Plg=50 Azm=255					

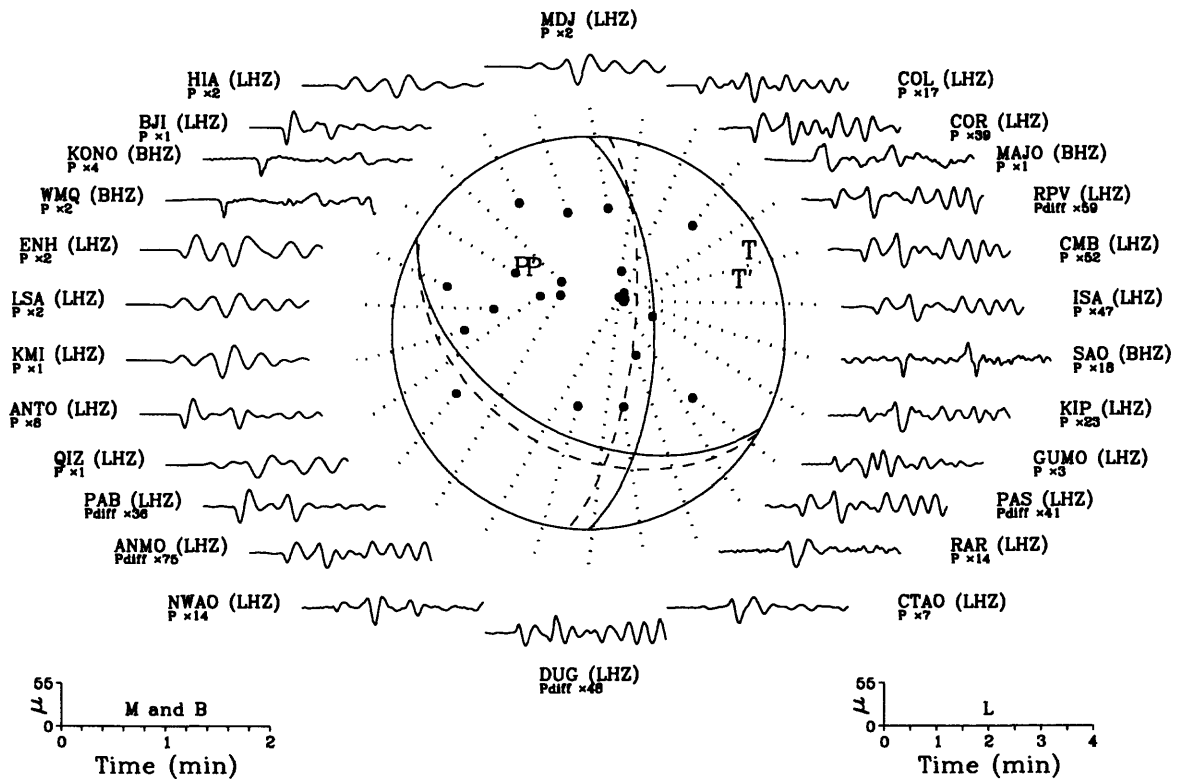
03 August 1993 12:43:05.36
Egypt



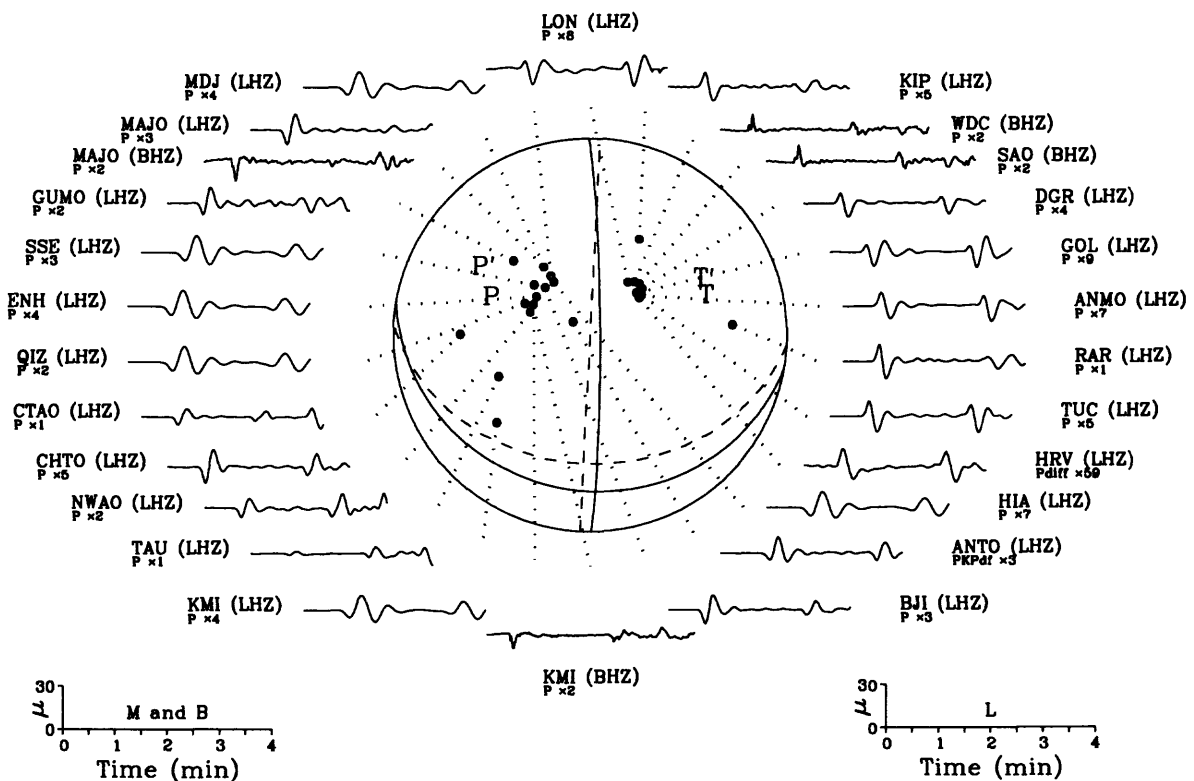
04 August 1993 11:31:18.03
Southern Sumatera, Indonesia



07 August 1993 00:00:37.07
Northeast of Taiwan

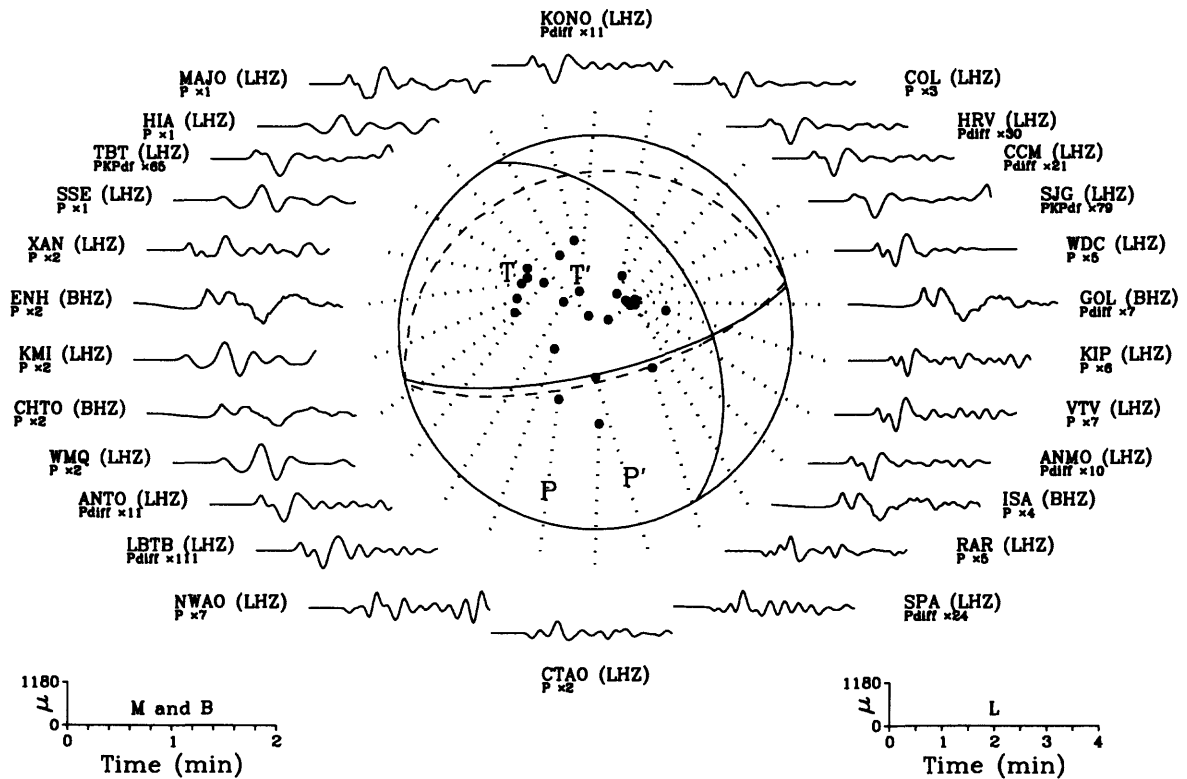


07 August 1993 17:53:24.20
South of Fiji Islands



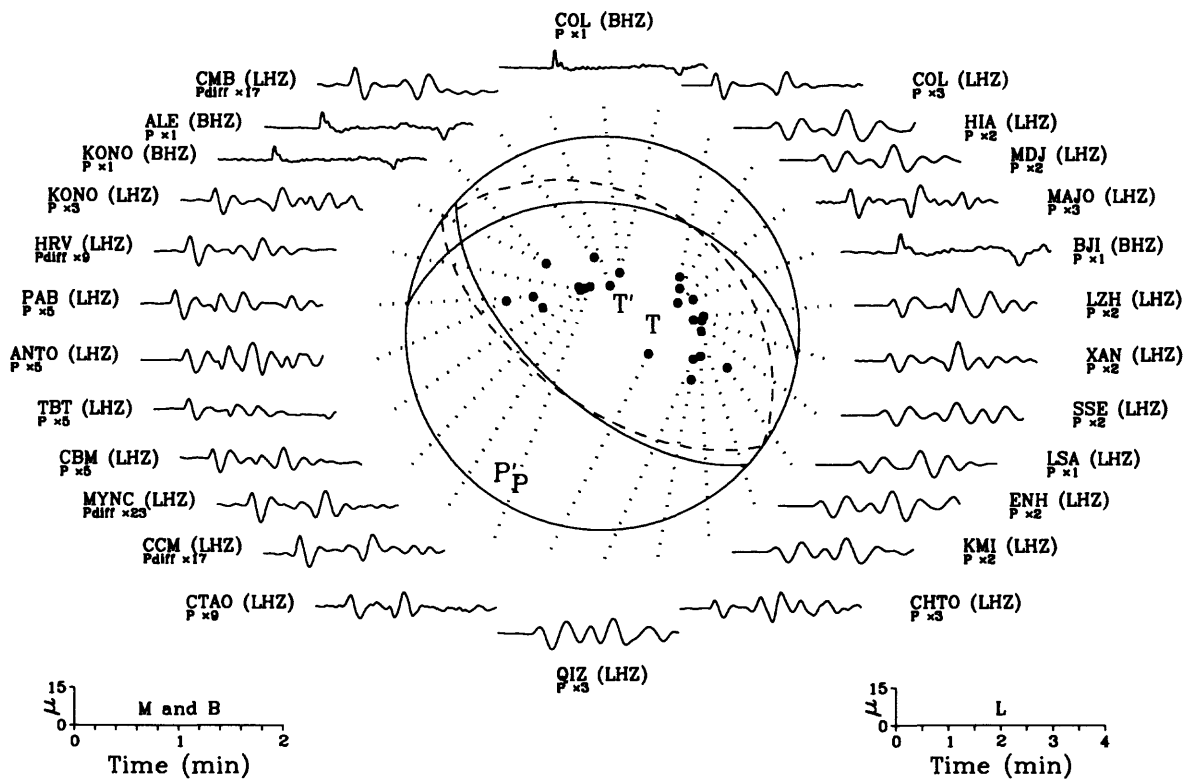
08 August 1993 08:34:24.93

South of Mariana Islands

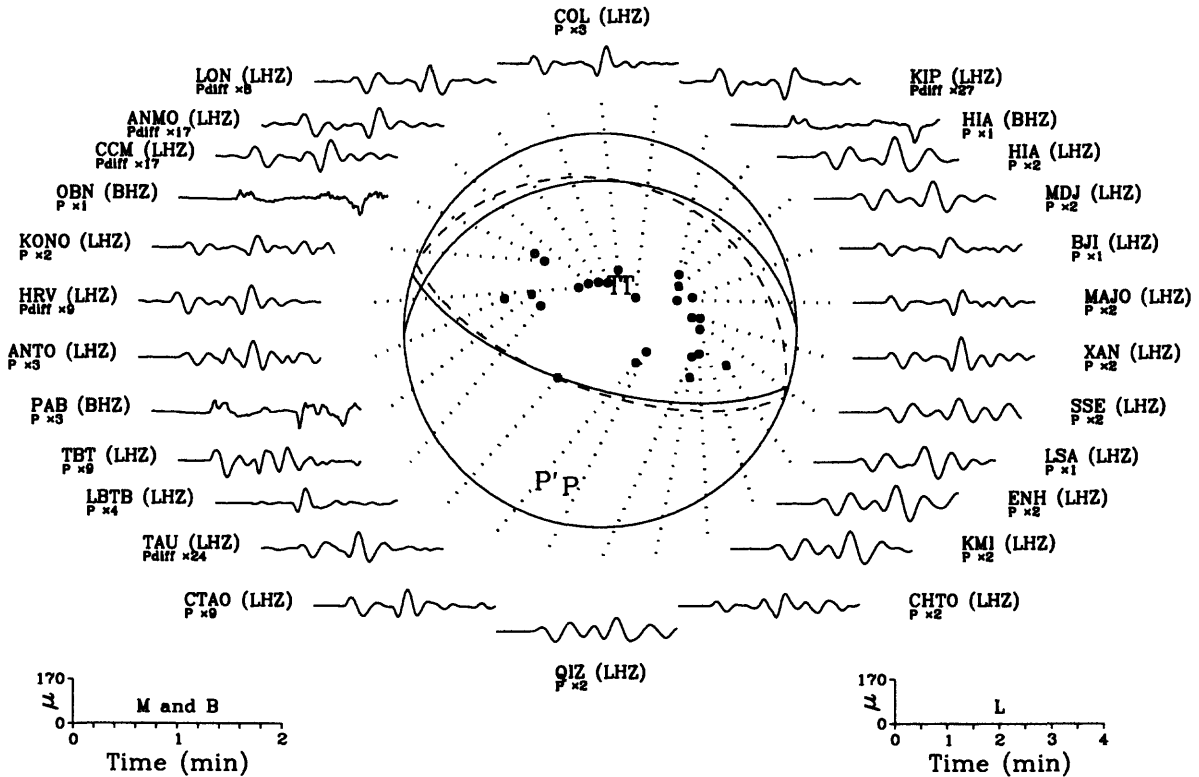


09 August 1993 11:38:30.53

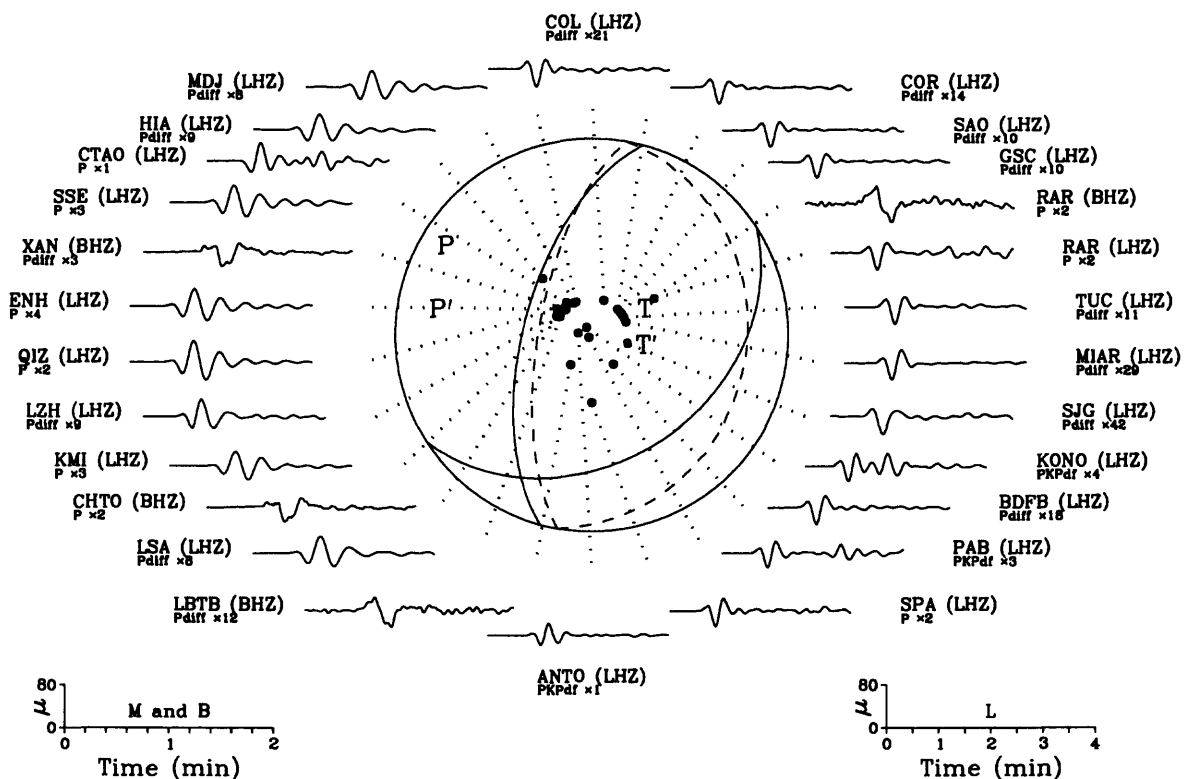
Hindu Kush Region, Afghanistan



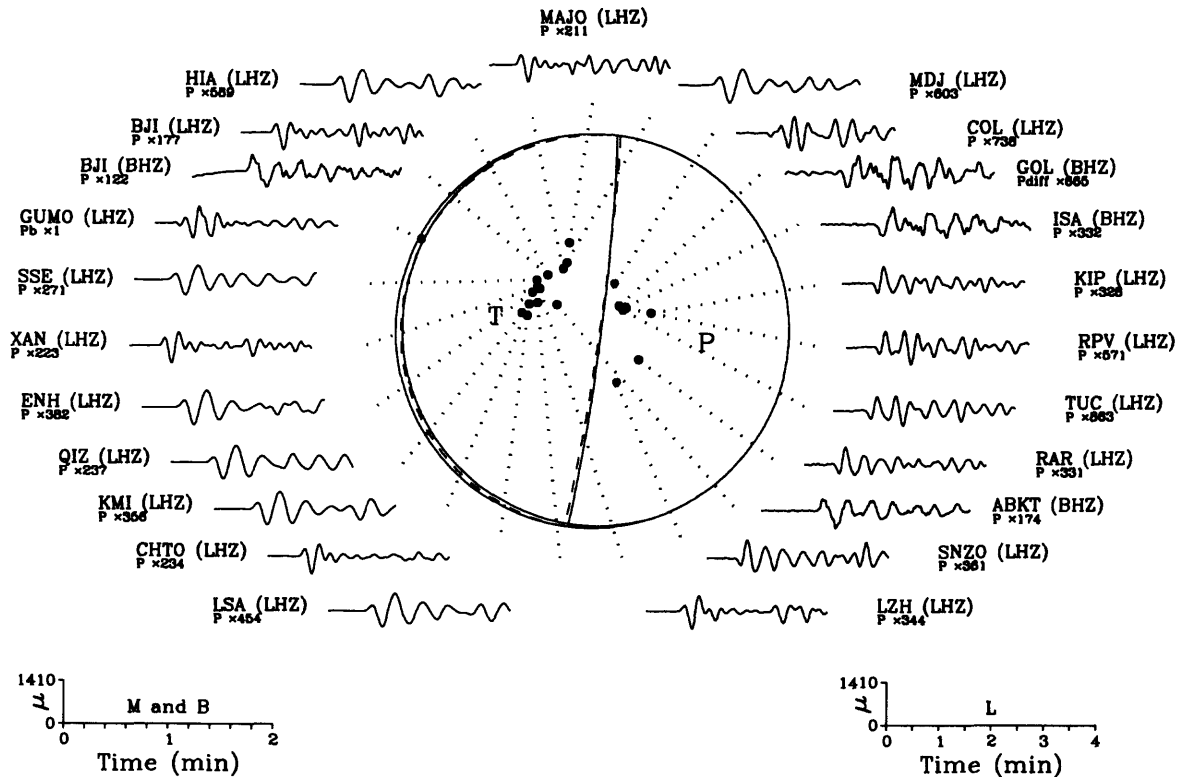
09 August 1993 12:42:48.19
Hindu Kush Region, Afghanistan



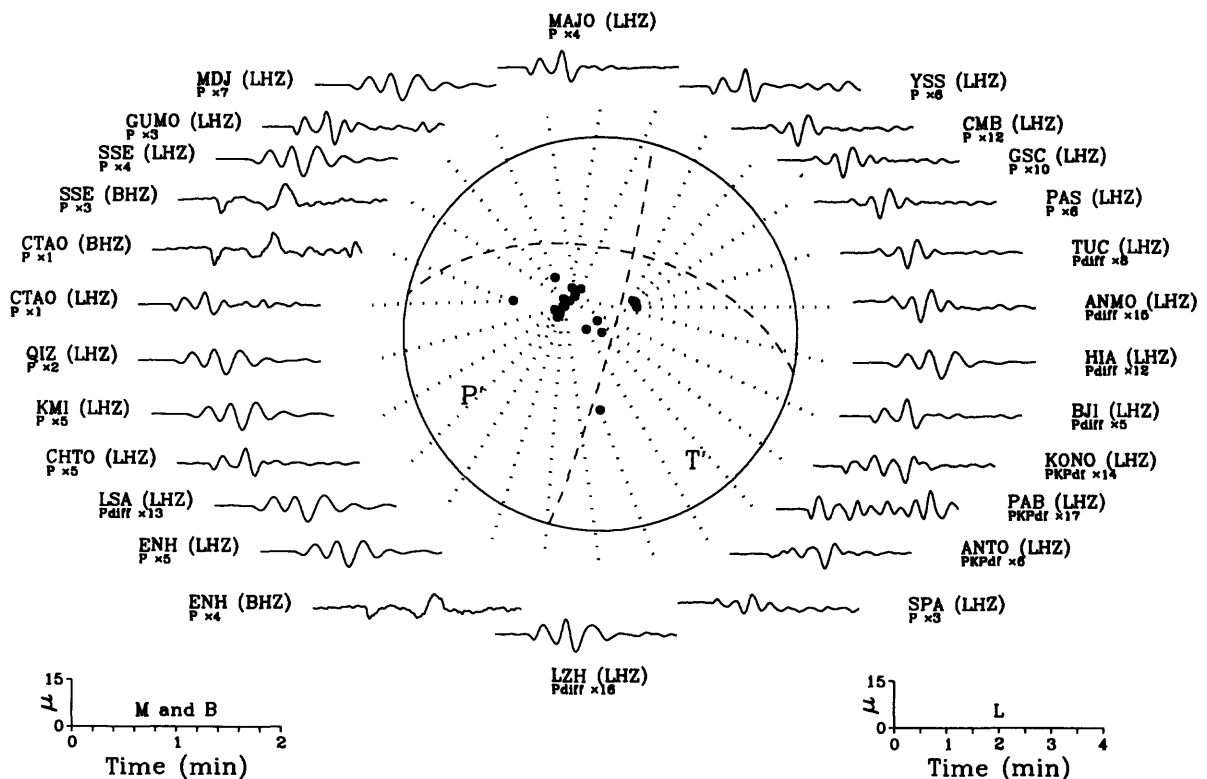
10 August 1993 00:51:53.25
Off W. Coast of S. Island, N.Z.



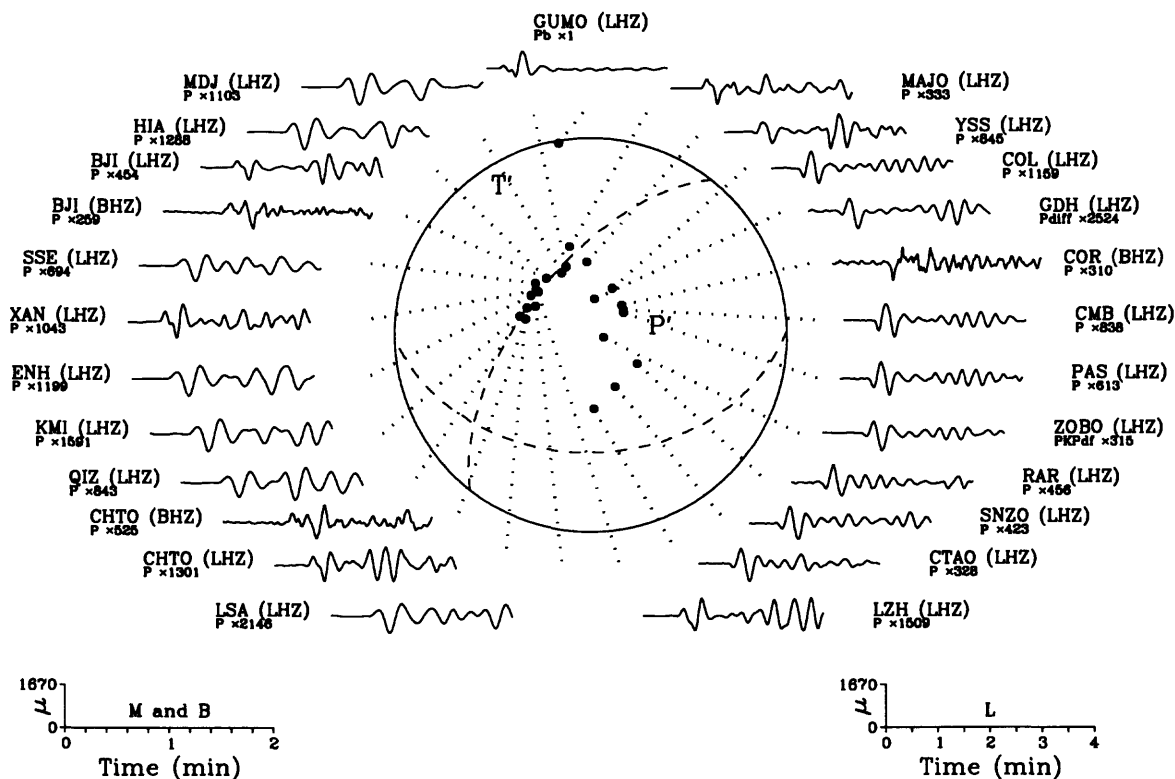
11 August 1993 14:17:37.72
Mariana Islands



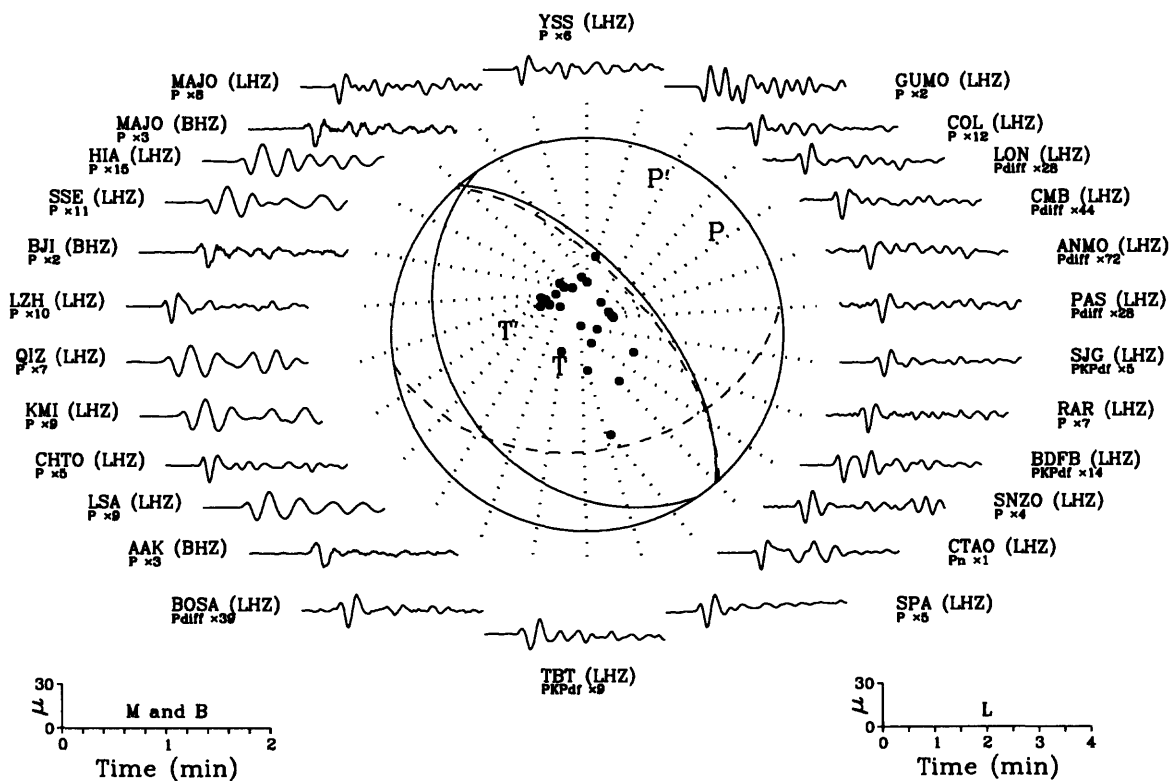
13 August 1993 11:02:20.39
Off E. Coast of N. Island, N.Z.



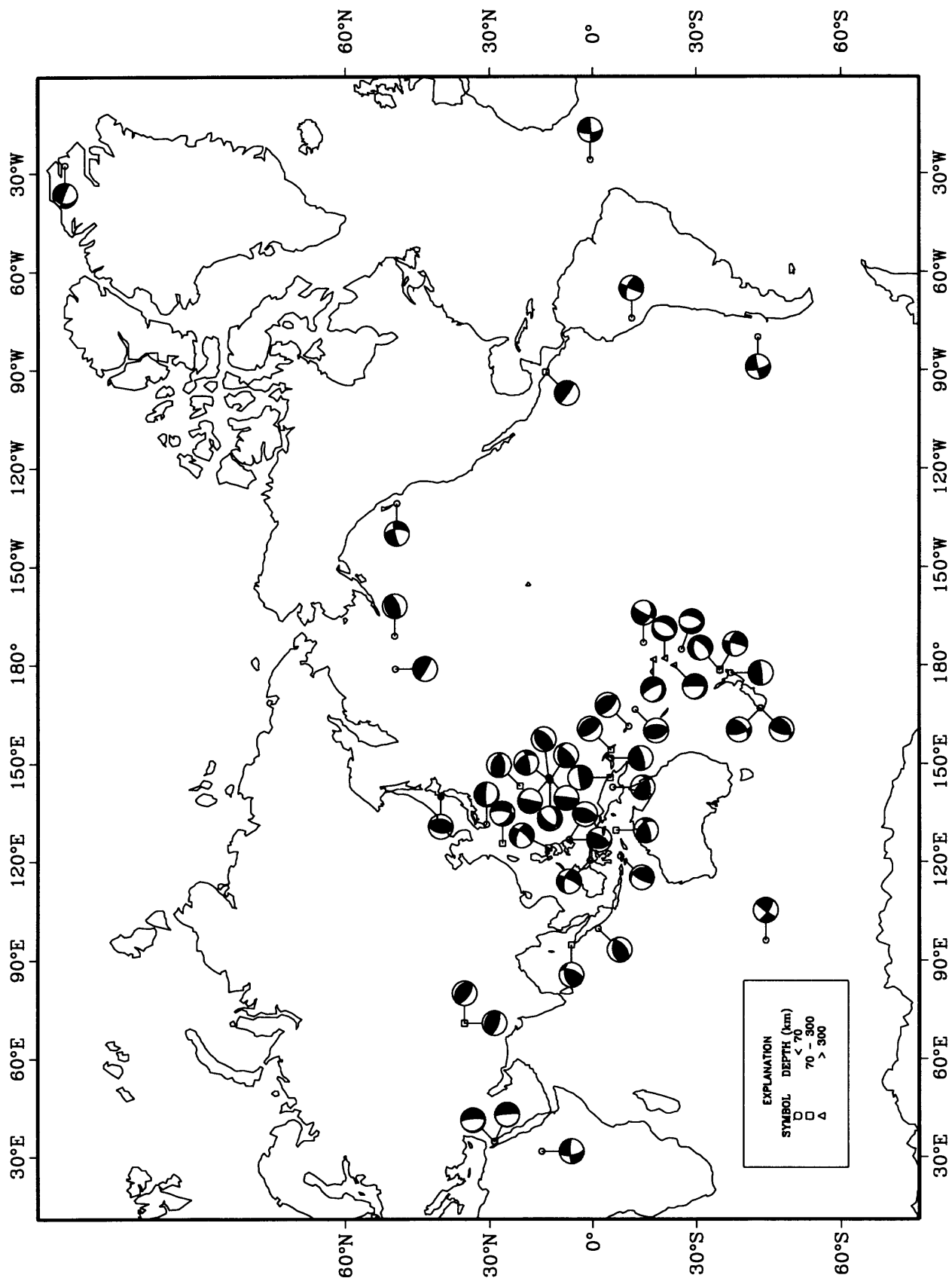
16 August 1993 04:33:48.44
South of Mariana Islands

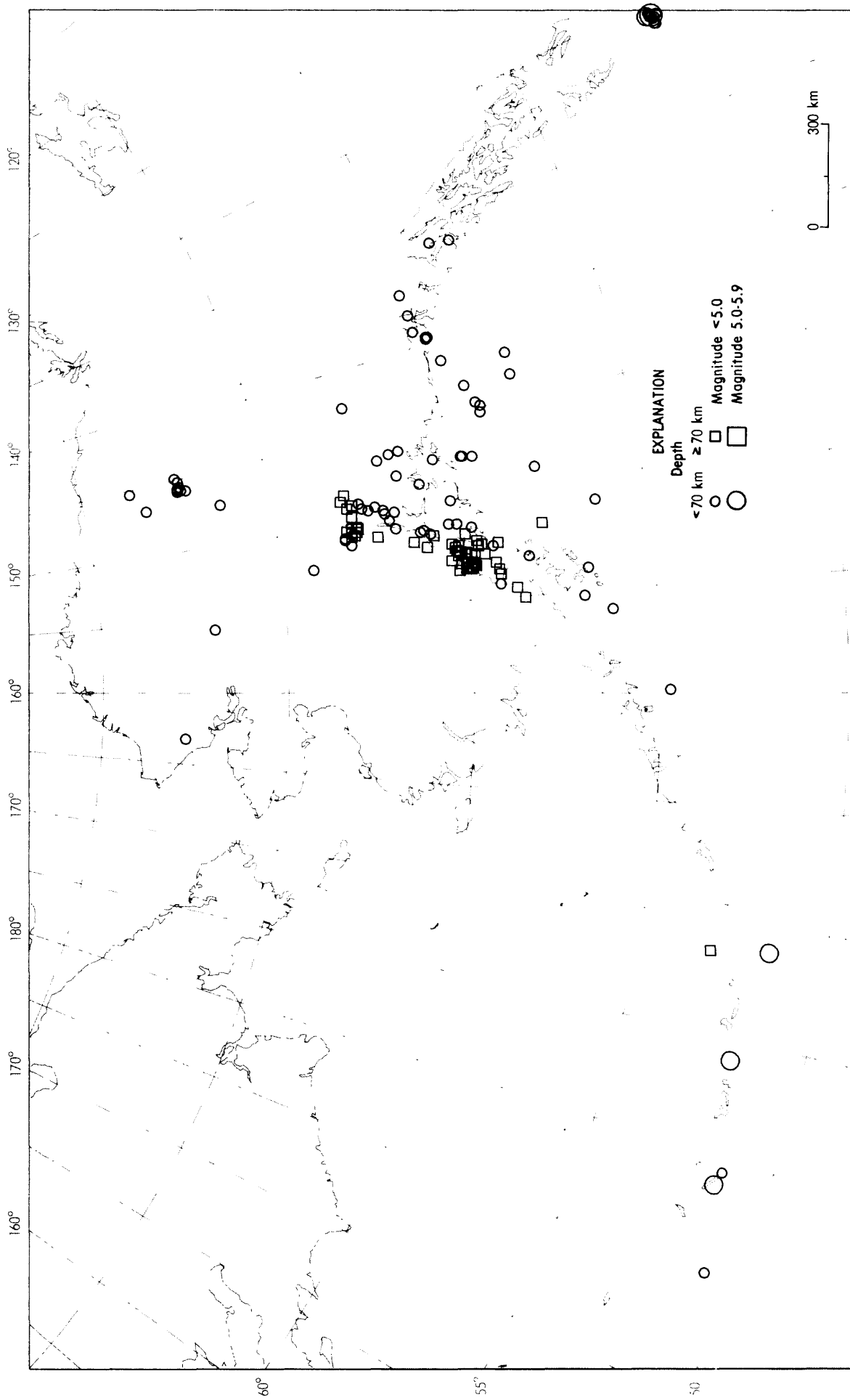


20 August 1993 05:06:53.85
New Guinea, Papua New Guinea

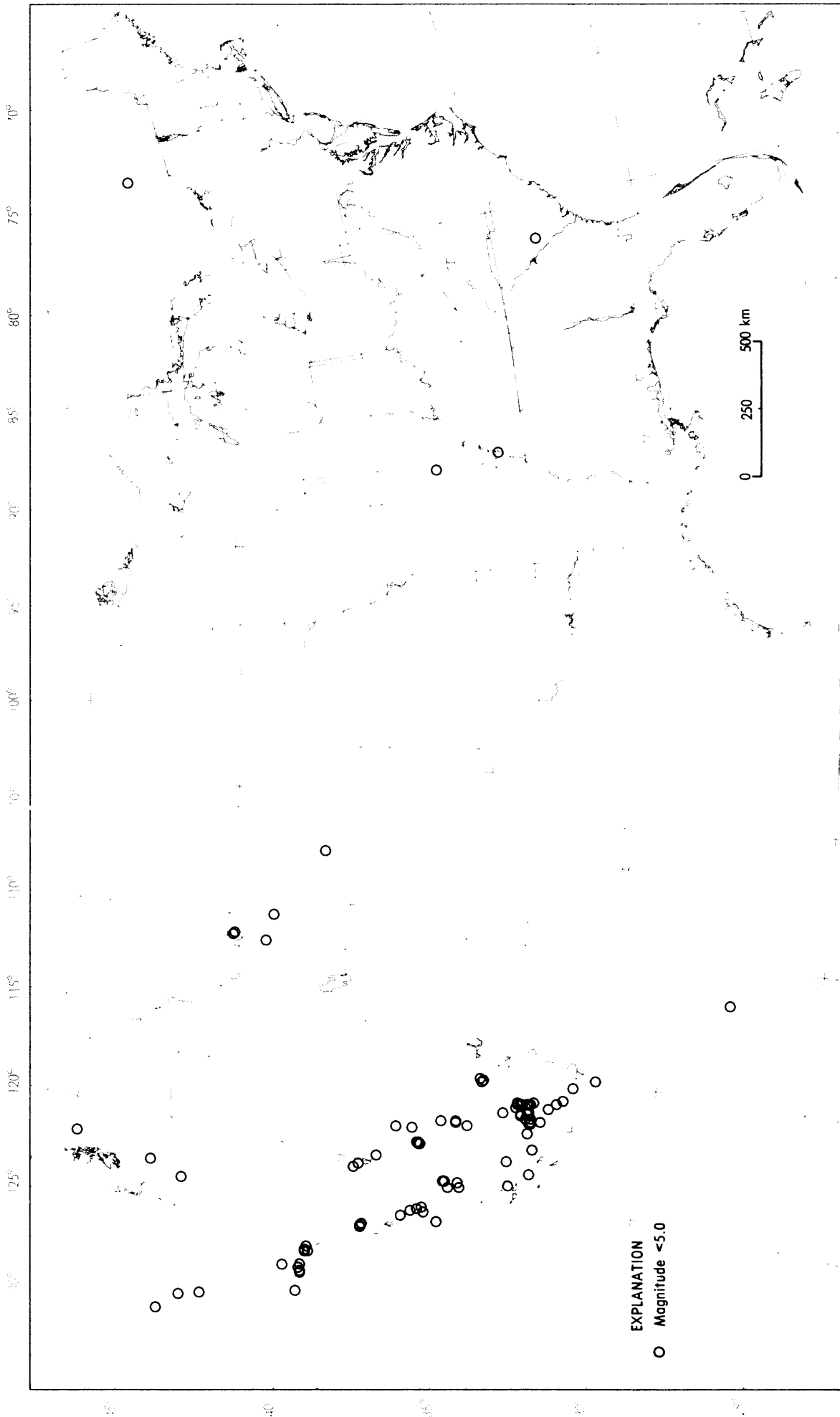


Earthquake Focal Mechanisms for August 1993

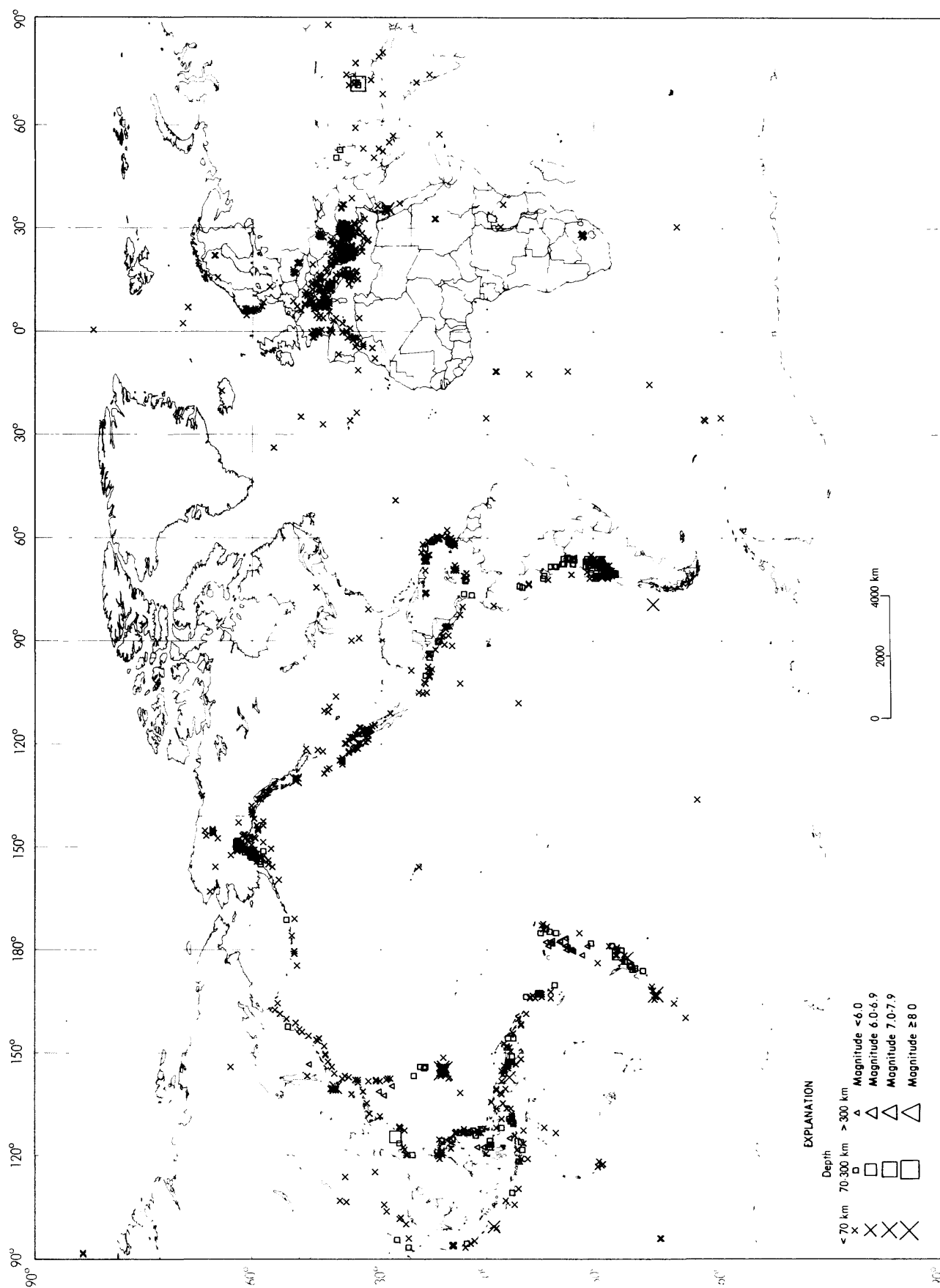




Earthquake epicenters in Alaska and adjacent regions for August, 1993.



Earthquake epicenters in the conterminous United States and adjacent regions for August, 1993.



Earthquakes located in August, 1993.



PRELIMINARY DETERMINATION OF EPICENTERS

MONTHLY LISTING

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

SEPTEMBER 1993

K DAY	ORIGIN TIME	GEOGRAPHIC	DEPTH	MAGNITUDES	SD	NO.	REGION,	CONTRIBUTED	MAGNITUDES	AND	COMMENTS
E	UTC	COORDINATES		GS		STA					
Y	HR MN SEC	LAT LONG		MB Msz		USED					
01	00 32 42.4	31.639 N 141.632 E	33 N	4.7		0.8	36	SOUTH OF HONSHU, JAPAN			
a 01	00 41 23.3	31.712 N 141.611 E	46 D	5.4 5.7		1.0	268	SOUTH OF HONSHU, JAPAN. Mw 5.9 (HRV). Mo=1.2*10**18 Nm (PPT).			
01	03 22 27.8*	23.138 S 69.442 W	142 *			1.1	11	NORTHERN CHILE. Felt (II) at Antofagasta.			
a 01	03 35 27.3	31.859 N 141.641 E	44 D	5.1 4.9		1.0	130	SOUTH OF HONSHU, JAPAN. Mw 5.4 (HRV).			
01	03 57 54.2*	16.997 S 73.045 W	33 N			0.9	6	NEAR COAST OF PERU			
01	04 10 33.5&	60.298 N 153.624 W	171				84	SOUTHERN ALASKA. <AEIC>.			
a 01	04 21 55.8	20.168 N 120.407 E	29 D	5.2		0.9	165	PHILIPPINE ISLANDS REGION. Mw 5.2 (HRV).			
01	06 28 05.3	31.652 N 141.599 E	42 D	4.8 4.3		1.1	60	SOUTH OF HONSHU, JAPAN			
01	06 54 53.6*	12.912 S 74.842 W	90 *	4.7		1.2	23	CENTRAL PERU. Felt in Chincha and Canete Provinces.			
01	07 12 38.3	65.010 N 139.104 W	5 G			0.6	50	NORTHERN YUKON TERRITORY, CANADA. ML 3.9 (AEIC).			
01	07 15 44.4	17.392 N 61.880 W	36 *			0.2	8	LEEWARD ISLANDS. MD 2.8 (TRN). ML 2.7 (PDF).			
01	07 33 21.0&	39.114 N 27.618 E	10 G			0.6	6	TURKEY. ML 2.7 (ISK).			
01	07 36 16.8&	63.265 N 151.118 W	7				58	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC).			
01	08 02 03.4&	39.129 N 27.438 E	10 G			0.5	7	TURKEY. ML 2.7 (ISK).			
01	08 12 43.8	24.063 S 69.545 W	33 N			1.3	11	NORTHERN CHILE. Felt (III) at Antofagasta.			
01	08 20 01.9*	11.449 N 87.499 W	33 N	4.5		0.8	14	NEAR COAST OF NICARAGUA. MD 4.7 (UPA).			
01	08 22 43.3*	27.546 N 97.152 E	59 ?	4.7		1.2	11	MYANMAR-INDIA BORDER REGION			
01	08 50 26.3?	52.69 N 35.13 W	10 G	4.6 3.5		1.3	26	NORTH ATLANTIC OCEAN			
01	08 55 05.6&	39.626 N 29.387 E	10 G			0.8	6	TURKEY. ML 2.7 (ISK).			
01	09 04 21.4	14.752 N 93.676 W	50	4.7 4.4		1.0	78	NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG).			
01	09 13 43.1?	39.37 N 29.65 E	10 G			0.3	6	TURKEY. ML 2.7 (ISK).			
01	09 35 37.0*	38.083 N 26.897 E	10 G			0.4	8	AEGEAN SEA. ML 3.2 (ISK).			
01	09 39 55.0?	39.04 N 23.56 E	10 G			0.4	4	AEGEAN SEA. ML 2.6 (THE).			
01	10 58 57.1*	41.227 S 90.979 W	10 G	4.9 4.3		0.9	41	SOUTHERN PACIFIC OCEAN			
01	11 30 07.5?	42.28 N 23.90 E	5 G			1.0	7	BULGARIA. ML 3.0 (THE).			
01	11 36 00.6&	32.466 S 69.879 W	100 G			0.6	10	MENDOZA PROVINCE, ARGENTINA			
a 01	11 48 38.4	4.331 S 102.567 E	71 D	5.8		0.9	367	SOUTHERN SUMATERA, INDONESIA. Mw 5.7 (GS), 5.7 (HRV).			
01	12 10 07.6&	15.565 N 60.822 W	33 N			0.3	9	LEEWARD ISLANDS. ML 2.6 (PDF).			
01	12 10 46.0&	39.592 N 29.388 E	10 G			1.1	6	TURKEY. ML 2.6 (ISK).			
01	12 22 11.0*	42.343 N 24.039 E	5 G			1.2	8	BULGARIA. ML 3.4 (THE).			
01	12 54 33.8	26.394 S 27.499 E	5 G			0.9	7	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE). mbLg 2.9 (BUL).			
01	13 11 34.7	39.137 N 27.923 E	5 G			0.6	15	TURKEY. ML 3.2 (ISK).			
01	13 18 42.5	46.015 N 14.132 E	10 G			0.5	6	NORTHWESTERN BALKAN REGION. ML 2.5 (VIE). MD 3.1 (LJU), 2.5 (TRI).			
01	13 21 04.3*	39.148 N 28.052 E	10 G			1.5	8	TURKEY. ML 2.9 (ISK).			
01	13 51 03.1&	36.080 N 117.716 W	1				41	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 3.3 (PAS), 3.5 (BRK), 3.2 (GS).			
f 01	14 03 19.1	2.986 N 96.122 E	34 D	5.9 6.2		1.2	437	NORTHERN SUMATERA, INDONESIA. Mw 6.2 (GS), 6.3 (HRV). Ms 6.0 (BRK). Mo=2.4*10**18 Nm (PPT).			
01	14 17 11.3?	39.66 N 29.44 E	10 G			1.2	4	TURKEY. ML 2.6 (ISK).			
01	14 26 07.0	79.490 N 3.501 E	10 G	4.7		1.0	49	GREENLAND SEA			
01	14 36 27.6	2.888 N 96.203 E	47	5.3 5.1		0.8	158	NORTHERN SUMATERA, INDONESIA			
01	14 59 43.0	39.661 N 20.393 E	10 G			0.8	11	GREECE-ALBANIA BORDER REGION. ML 3.0 (THE). MD 3.0 (ATH).			
01	15 09 43.4&	31.262 S 68.365 W	94 ?			0.2	7	SAN JUAN PROVINCE, ARGENTINA			
01	15 15 35.5?	17.46 N 61.88 W	33 N			0.4	6	LEEWARD ISLANDS. ML 2.6 (PDF). MD 2.7 (TRN).			
01	17 01 55.0?	38.10 N 31.17 E	10 G			0.8	5	TURKEY. ML 3.5 (ISK).			
01	17 07 35.1&	26.388 S 27.423 E	5 G			1.1	5	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).			
01	17 08 31.0&	63.453 N 148.552 W	14				48	CENTRAL ALASKA. <AEIC>. ML 3.0 (AEIC), 3.2 (PMR). Felt (II) at Denali Park Headquarters.			
01	17 48 31.6*	49.167 N 6.918 E	10 G			1.3	9	GERMANY. ML 2.5 (STR), 2.4 (UCC).			
01	18 18 29.8&	40.293 N 124.351 W	9				38	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.4 (GM). ML 3.6 (BRK). Felt (III) at Rio Dell. Felt strongly at Petrolia.			
01	19 57 56.8	33.032 S 70.177 W	120 G			0.6	13	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).			
01	20 23 43.5&	61.481 N 147.332 W	20				89	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.5 (PMR). Felt (II) at Anchorage and Valdez.			

01	20	50	06.0%	60.081 N	153.314 W	140				51	SOUTHERN ALASKA. <AEIC>.
01	21	12	44.1	38.477 N	20.356 E	14	3.7	1.4	29	GREECE. ML 3.8 (THE), 3.6 (ATH), 3.4 (TIR).	
01	21	44	26.3*	4.724 S	152.532 E	66	* 4.4	0.8	13	NEW BRITAIN REGION, P.N.G.	
02	00	51	21.8	41.135 N	20.095 E	9		0.9	39	ALBANIA. ML 3.6 (THE), 3.4 (TIR). MD 3.5 (ATH).	
02	02	03	52.5	41.098 N	26.094 E	5	G	0.7	9	GREECE-BULGARIA BORDER REGION. ML 3.4 (THE), 3.3 (ISK).	
02	03	13	44.7	45.056 N	3.016 E	10	G	0.6	15	FRANCE. ML 3.0 (LDG).	
02	03	36	45.0?	45.09 N	2.99 E	10	G	1.2	4	FRANCE. ML 2.0 (LDG).	
02	03	37	45.4	45.202 N	14.768 E	10	G	1.3	17	NORTHWESTERN BALKAN REGION. ML 3.0 (VIE). MD 2.9 (TRI). Felt in the Crikvenica-Grizane area.	
02	04	36	04.3%	45.092 N	3.090 E	5	G	0.7	12	FRANCE. ML 2.7 (LDG).	
02	05	07	17.0	38.910 N	25.777 E	10	G	1.5	24	AEGEAN SEA. ML 3.8 (THE), 3.3 (ATH).	
02	06	26	52.5	41.923 N	2.613 E	10	G	0.4	9	SPAIN. ML 2.7 (LDG). mbLg 2.9 (MDD).	
02	07	24	15.5	45.448 N	27.965 W	18	D	1.0	83	NORTHERN MID-ATLANTIC RIDGE	
02	08	02	38.1%	39.126 N	27.589 E	10	G	0.8	6	TURKEY. ML 2.8 (ISK).	
02	08	09	46.1	6.908 N	73.123 W	174		1.0	18	NORTHERN COLOMBIA	
02	08	21	02.8%	39.613 N	29.438 E	10	G	0.7	5	TURKEY. ML 2.6 (ISK).	
02	08	27	32.3	31.754 S	67.727 W	10	G	1.1	16	SAN JUAN PROVINCE, ARGENTINA	
02	08	43	32.4%	37.838 N	14.497 E	10	G	0.4	7	SICILY. ML 2.8 (ROM).	
02	10	10	02.6%	44.269 N	8.216 E	10	G	0.4	5	NORTHERN ITALY. ML 1.6 (GEN).	
02	10	11	34.9%	44.235 N	8.233 E	10	G	0.4	6	NORTHERN ITALY. ML 1.7 (GEN).	
02	10	12	18.7%	44.230 N	8.250 E	10	G	0.2	7	NORTHERN ITALY. ML 1.9 (GEN).	
02	10	14	19.5%	44.239 N	8.233 E	10	G	0.3	7	NORTHERN ITALY. ML 1.5 (GEN).	
02	10	18	42.4%	44.225 N	8.253 E	10	G	0.3	7	NORTHERN ITALY. ML 1.8 (GEN).	
02	10	19	42.7%	63.246 N	151.331 W	11			51	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 3.3 (PMR).	
02	10	26	12.4	11.129 N	139.549 E	33	N	5.1	0.9	21	WESTERN CAROLINE ISLANDS
02	10	27	27.3%	40.239 N	124.161 W	13			38	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.5 (GM). ML 3.3 (BRK). Some items knocked from shelves at Honeydew. Also felt at Miranda and Petrolia.	
02	10	28	23.3%	40.251 N	124.159 W	12			4	NEAR COAST OF NORTHERN CALIF. <GM-P>. MD 3.0 (GM).	
02	10	31	55.4%	39.218 N	27.729 E	10	G	0.5	5	TURKEY. ML 2.7 (ISK).	
02	10	42	59.9%	44.249 N	8.234 E	10	G	0.3	6	NORTHERN ITALY. ML 1.7 (GEN).	
02	10	43	12.9%	44.241 N	8.220 E	10	G	0.2	5	NORTHERN ITALY. ML 1.3 (GEN).	
02	10	44	37.9%	44.172 N	8.347 E	10	G	1.1	7	NORTHERN ITALY. ML 1.4 (GEN).	
02	10	52	39.9	59.319 N	145.051 W	33	N	0.5	25	GULF OF ALASKA. ML 2.8 (AEIC).	
02	10	53	37.7%	44.239 N	8.230 E	10	G	0.4	7	NORTHERN ITALY. ML 1.7 (GEN).	
02	10	57	02.4?	6.80 N	73.46 W	189	?	4.2	0.1	6	NORTHERN COLOMBIA
02	10	57	02.8*	5.508 S	147.053 E	204		4.9	0.9	21	EASTERN NEW GUINEA REG., P.N.G.
02	10	57	11.9%	44.247 N	8.231 E	10	G	0.2	7	NORTHERN ITALY. ML 1.7 (GEN).	
02	10	57	55.2%	44.249 N	8.207 E	10	G	0.2	7	NORTHERN ITALY. ML 1.6 (GEN).	
02	10	59	06.9%	44.222 N	8.267 E	10	G	0.2	7	NORTHERN ITALY. ML 1.6 (GEN).	
02	11	00	10.7%	44.239 N	8.242 E	10	G	0.4	5	NORTHERN ITALY. ML 1.5 (GEN).	
02	11	14	04.9	44.256 N	8.243 E	10	G	0.6	12	NORTHERN ITALY. ML 2.3 (LDG), 2.1 (	

03	09 37 20.9	31.678 S	68.219 W	26		0.4	8	SAN JUAN PROVINCE, ARGENTINA
03	09 43 48.7*	44.321 N	8.057 E	10 G		0.5	12	NORTHERN ITALY. ML 2.7 (LDG).
03	09 45 00.5?	39.06 N	27.57 E	10 G		0.9	4	TURKEY. ML 2.6 (ISK).
03	10 50 54.0	3.995 S	34.059 E	33 N	4.8 4.9	0.5	28	LAKE VICTORIA REGION
03	12 01 11.1	56.125 N	158.172 W	61 D	4.7	0.9	145	ALASKA PENINSULA. ML 5.1 (PMR). Felt (IV) at Chignik. Also felt at Chignik Lagoon.
03	12 18 30.4?	43.18 N	25.00 E	5 G		1.1	7	BULGARIA. ML 3.1 (THE).
f 03	12 35 00.2	14.523 N	92.713 W	27 G	5.8 6.8	1.1	416	NEAR COAST OF CHIAPAS, MEXICO. Mw 6.8 (GS), 6.8 (HRV). Ms 6.7 (BRK). Mo=2.0*10**19 Nm (PPT). Felt in Chiapas, Guerrero, Michoacan and at Mexico City. Also felt (III) at San Salvador, El Salvador. Two events about 2.2 seconds apart. Depth from broadband displacement seismograms, based on first event.
03	12 35 45.4	18.922 S	168.772 E	145	4.6	1.1	58	VANUATU ISLANDS
03	12 54 21.9	14.502 N	92.745 W	44 *	4.9	0.9	81	NEAR COAST OF CHIAPAS, MEXICO
03	13 15 19.3*	14.186 N	93.120 W	33 N	4.2	1.3	8	NEAR COAST OF CHIAPAS, MEXICO. MD 4.3 (GCG).
03	13 26 51.1*	14.101 N	92.959 W	33 N		0.9	8	NEAR COAST OF CHIAPAS, MEXICO. MD 4.5 (GCG).
03	13 32 57.6*	14.084 N	93.120 W	33 N	4.5	1.1	12	NEAR COAST OF CHIAPAS, MEXICO. MD 4.5 (GCG).
03	13 40 11.1?	47.27 N	11.27 E	10 G		0.5	4	AUSTRIA. ML 1.1 (VIE).
03	13 50 18.7*	15.094 N	92.875 W	33 N	4.4	1.2	10	MEXICO-GUATEMALA BORDER REGION
03	14 04 45.6*	7.620 N	74.110 W	91 *	4.9	1.4	16	NORTHERN COLOMBIA
03	15 01 09.6	43.090 N	126.400 W	10 G	4.3	0.7	89	OFF COAST OF OREGON. ML 4.1 (GS). MD 3.8 (SEA).
03	15 30 57.0?	39.67 N	29.41 E	10 G		0.1	4	TURKEY. ML 2.7 (ISK).
03	15 46 39.6	49.121 N	6.886 E	5 G		1.2	14	GERMANY. ML 2.6 (STR), 2.5 (UCC).
03	15 58 17.0%	40.194 N	29.215 E	10 G		0.8	6	TURKEY. ML 2.6 (ISK).
03	16 50 20.0*	14.298 N	93.114 W	31	4.5	1.4	32	NEAR COAST OF CHIAPAS, MEXICO
03	17 46 56.6*	20.025 N	12.811 W	33 N	4.6	1.5	12	NORTHWEST AFRICA
03	17 50 22.0*	54.888 N	157.783 W	33 N	4.2	1.1	37	SOUTH OF ALASKA
03	18 14 09.8*	41.265 S	72.743 W	33 N	5.2	1.2	34	SOUTHERN CHILE. Felt (IV) at Puerto Montt and (III) at Osorno.
03	19 42 33.0*	31.717 S	71.937 W	29		1.3	15	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
03	19 53 42.2*	16.211 N	122.484 E	33 N	3.5	0.8	6	LUZON, PHILIPPINE ISLANDS
03	20 03 29.2?	16.10 N	62.04 W	181 ?		0.3	10	LEEWARD ISLANDS
03	20 24 58.6	10.791 N	62.117 W	49 ?		0.4	19	NEAR COAST OF VENEZUELA. MD 3.7 (TRN).
03	20 56 23.1%	44.088 N	7.811 E	10 G		0.7	7	NORTHERN ITALY. ML 1.8 (GEN).
03	21 40 21.9%	39.978 N	29.226 E	10 G		0.7	9	TURKEY. ML 2.2 (ISK).
03	22 14 56.6	38.222 N	28.232 E	5 G		0.4	12	TURKEY. ML 3.1 (ISK).
03	22 53 02.2?	7.84 N	136.84 E	33 N	4.7	0.6	15	WESTERN CAROLINE ISLANDS
03	23 01 37.0	17.126 N	73.736 E	35 *	4.7	1.2	46	SOUTHERN INDIA. Felt in Goa and Maharashtra.
03	23 09 42.9	7.970 S	127.285 E	59 *	5.1	1.0	39	BANDA SEA
04	00 14 49.5%	32.209 S	117.381 E	10 G		0.9	5	WESTERN AUSTRALIA
04	00 45 37.7	14.474 N	92.781 W	57	4.4	1.1	42	NEAR COAST OF CHIAPAS, MEXICO. MD 4.5 (GCG).
04	02 01 28.0*	13.943 N	93.154 W	43 ?	4.4	1.4	9	OFF COAST OF CHIAPAS, MEXICO
04	03 32 31.9%	58.258 N	151.611 W	13		0.5	46	KODIAK ISLAND REGION. <AEIC>. ML 2.9 (AEIC).
04	03 33 06.3?	31.33 S	68.25 W	100 G		0.5	5	SAN JUAN PROVINCE, ARGENTINA
04	03 34 16.1*	23.818 N	122.698 E	33 N	4.1	0.8	8	TAIWAN REGION
04	03 34 59.5?	13.88 N	93.31 W	33 N	3.9	1.1	6	OFF COAST OF CHIAPAS, MEXICO
04	03 42 33.0*	7.102 S	132.887 E	10 G		1.2	5	TANIMBAR ISLANDS REG., INDONESIA
04	03 44 03.5*	3.190 S	78.244 W	84 ?	4.7	0.6	10	PERU-ECUADOR BORDER REGION
04	03 54 19.3*	14.120 N	93.276 W	50 G	4.0	0.5	9	NEAR COAST OF CHIAPAS, MEXICO
04	04 32 15.9	23.768 N	122.903 E	33 N	4.3 4.3	1.1	20	TAIWAN REGION. ML 3.8 (BJI).
04	04 35 01.3	0.059 S	16.587 W	10 G	5.1 4.6	1.0	80	NORTH OF ASCENSION ISLAND
04	04 39 34.1?	12.13 N	93.53 W	33 N	4.2	0.8	7	OFF COAST OF CHIAPAS, MEXICO. MD 4.7 (GCG).
04	05 05 29.7?	8.99 S	123.78 E	33 N		0.8	5	FLORES REGION, INDONESIA
a 04	06 11 37.1	13.862 N	145.003 E	26	5.5 4.6	1.0	164	MARIANA ISLANDS. Mw 5.2 (HRV). Felt (IV) in the northern half of Guam.
04	06 12 19.8%	37.218 N	3.617 W	5 G		0.5	8	SPAIN. mbLg 2.4 (MDD).
04	07 02 23.3%	39.212 N	27.685 E	10 G		0.8	5	TURKEY. ML 2.7 (ISK).
04	07 38 08.2%	39.059 N	27.569 E	10 G		0.6	5	TURKEY. ML 2.6 (ISK).
04	08 00 10.8%	43.064 N	0.640 W	5 G		0.1	6	PYRENEES. ML 1.0 (STR).
a 04	08 30 56.6	16.166 S	176.732 W	388 D	5.4	1.0	300	FIJI ISLANDS REGION. Mw 5.5 (HRV).
a 04	08 49 42.3	14.475 N	92.854 W	57	4.9	1.1	167	NEAR COAST OF CHIAPAS, MEXICO. Mw 5.6 (HRV). Ms 5.0 (BRK). MD 5.0 (GCG).
04	08 57 30.1%	39.072 N	27.561 E	10 G		0.2	5	TURKEY. ML 2.7 (ISK).
04	09 12 17.9%	44.494 N	7.252 E	10 G		0.0	5	NORTHERN ITALY. ML 1.5 (GEN).
04	09 17 06.7*	14.255 N	92.775 W	67 *	4.2	1.2	10	NEAR COAST OF CHIAPAS, MEXICO
04	09 35 09.7	42.308 N	110.247 W	5 G		0.9	13	WYOMING. ML 2.9 (GS).
04	09 53 53.1%	17.224 N	94.308 W	33 N		1.1	7	CHIAPAS, MEXICO
04	10 29 52.5	40.568 N	22.520 E	10 G		0.7	12	GREECE. ML 2.7 (THE).
04	10 45 21.8*	17.690 S	178.793 W	616	4.6	0.8	68	FIJI ISLANDS REGION
04	10 57 17.5?	42.94 N	128.34 W	10 G		0.4	45	OFF COAST OF OREGON
04	11 02 36.9*	7.166 S	116.877 E	33 N	4.4	1.3	9	BALI SEA
04	11 04 04.3	39.513 N	27.814 E	10 G		0.6	9	TURKEY. ML 3.2 (ISK).
04	11 10 21.4%	39.132 N	27.604 E	10 G		0.4	5	TURKEY. ML 2.7 (ISK).
04	11 12 24.8%	40.191 N	27.013 E	10 G		0.8	8	TURKEY. ML 2.9 (ISK).
a 04	11 38 38.9	36.429 N	70.812 E	195 G	5.9	1.0	668	HINDU KUSH REGION, AFGHANISTAN. Mw 6.0 (GS), 6.0 (HRV). Felt in much of northern Pakistan. Also felt in the Delhi, India area. Depth from broadband displacement seismograms.
04	12 16 18.8	38.489 N	20.430 E	10 G		1.0	12	GREECE. ML 3.4 (THE).
04	13 37 12.8	41.140 N	28.516 E	10 G		0.4	7	TURKEY. ML 2.7 (ISK).
04	13 47 13.8*	45.960 N	10.912 E	10 G		1.0	10	NORTHERN ITALY. ML 2.2 (VIE).
04	14 00 21.4*	13.921 N	93.208 W	33 N	4.2	1.2	11	OFF COAST OF CHIAPAS, MEXICO
04	14 02 52.8?	39.48 N	29.60 E	10 G		0.1	5	TURKEY. ML 2.7 (ISK).
04	14 30 43.4	4.359 S	153.171 E	59 *	5.0	1.0	27	NEW IRELAND REGION, P.N.G.
04	14 42 57.3	22.417 S	179.589 W	562 *	5.2	1.1	45	SOUTH OF FIJI ISLANDS
04	15 06 30.4%	44.345 N	7.289 E	10 G		0.2	5	NORTHERN ITALY. ML 1.8 (GEN).
04	15 45 09.4*	33.535 S	71.058 W	93		0.9	15	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
04	17 25 10.1	30.340 N	94.831 E	10 G	5.1	1.1	87	XIZANG
04	17 31 27.0?	13.81 N	93.88 W	33 N	4.1	1.5	5	OFF COAST OF CHIAPAS, MEXICO
04	17 37 00.2?	39.08 N	31.04 E	10 G		0.2	4	TURKEY. ML 3.1 (ISK).
04	19 32 02.8%	9.968 N	69.385 W	10 G		0.7	5	VENEZUELA
04	19 54 04.2	43.985 N	11.826 E	31		1.0	67	CENTRAL ITALY. ML 3.7 (LDG). MD 3.5 (TRI).

04	20	22	30.3	37.188	N	94.605	E	18	D	5.1	0.9	118	QINGHAI, CHINA. ML 5.0 (BJI).
04	21	36	28.0	19.447	S	67.334	W	232		4.6	1.0	18	SOUTHERN BOLIVIA
f 04	21	39	33.8	9.571	S	122.528	E	33		5.8 5.8	1.3	319	SAVU SEA. Mw 6.2 (GS), 6.2 (HRV). Mo=3.8*10**18 Nm (PPT).
04	21	42	43.6%	39.437	N	27.917	E	10	G		0.2	8	TURKEY. ML 2.8 (ISK).
04	22	06	51.8	37.209	N	94.525	E	17	D	5.0	0.8	73	QINGHAI, CHINA. ML 5.1 (BJI).
04	22	23	57.9%	26.947	S	26.772	E	5	G		1.1	8	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
04	22	38	48.7?	15.55	N	60.24	W	33	N		0.3	7	LEEWARD ISLANDS. ML 3.5 (FDF).
04	23	08	33.5	7.439	S	126.656	E	274	*	5.1	0.9	25	BANDA SEA
05	00	01	33.0?	14.61	N	92.56	W	33	N		1.0	5	NEAR COAST OF CHIAPAS, MEXICO
05	00	24	55.2?	14.19	N	92.84	W	33	N	3.9	0.6	5	NEAR COAST OF CHIAPAS, MEXICO
05	01	01	53.8%	32.778	S	70.899	W	80	G		0.5	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
05	01	27	40.4*	13.387	N	145.458	E	65	*	4.4	0.8	22	MARIANA ISLANDS
05	01	40	28.0*	14.073	N	92.999	W	33	N	4.1	1.4	12	NEAR COAST OF CHIAPAS, MEXICO
05	01	51	20.1%	35.993	N	118.370	W	9				61	CENTRAL CALIFORNIA. <GM-P>. MD 3.5 (GM). ML 3.7 (BRK), 3.2 (PAS).
05	02	13	36.4%	35.994	N	118.371	W	9				49	CENTRAL CALIFORNIA. <GM-P>. MD 3.4 (GM). ML 3.6 (BRK), 3.0 (PAS).
05	03	42	22.2%	35.990	N	118.368	W	8				25	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM). ML 2.7 (PAS).
05	04	17	01.8%	35.996	N	118.373	W	9				33	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.6 (PAS).
05	04	39	20.2%	35.989	N	118.367	W	8				29	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.6 (PAS).
05	06	05	54.6	27.293	N	87.310	E	33	N	4.5 3.6	1.2	40	NEPAL
05	06	12	49.7%	35.992	N	118.368	W	9				30	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 2.7 (PAS).
05	06	15	08.6%	35.992	N	118.367	W	9				56	CENTRAL CALIFORNIA. <GM-P>. MD 3.3 (GM). ML 3.4 (BRK), 3.1 (PAS).
05	07	10	56.3	26.348	S	27.299	E	5	G		1.1	8	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE). mbLg 3.3 (BUL).
05	08	00	12.1%	42.979	S	173.158	E	28			0.8	11	SOUTH ISLAND, NEW ZEALAND. ML 3.8 (WEL).
05	08	12	35.5%	44.400	N	103.800	W	5	G			4	SOUTH DAKOTA. <MACRO>. ML 2.7 (GS). Felt (III) at Deadwood.
05	09	00	34.4*	24.356	S	67.124	W	190	*		1.3	10	CHILE-ARGENTINA BORDER REGION
05	09	12	09.9%	39.607	N	29.447	E	10	G		1.3	5	TURKEY. ML 2.7 (ISK).
05	10	37	54.7*	13.207	N	144.962	E	77		4.8	1.0	30	MARIANA ISLANDS
05	10	53	43.3%	39.060	N	27.551	E	10	G		0.4	5	TURKEY. ML 2.7 (ISK).
05	10	58	58.9%	39.148	N	27.600	E	10	G		0.6	7	TURKEY. ML 2.8 (ISK).
05	12	02	22.4%	39.687	N	29.472	E	10	G		1.0	6	TURKEY. ML 2.7 (ISK).
05	12	23	59.7%	26.379	S	27.428	E	5	G		1.0	5	REPUBLIC OF SOUTH AFRICA. ML 2.0 (PRE).
05	12	32	21.9%	39.000	N	27.338	E	10	G		0.6	5	TURKEY. ML 2.6 (ISK).
05	13	00	11.5%	39.695	N	29.454	E	10	G		0.7	5	TURKEY. ML 2.7 (ISK).
05	13	04	19.1*	17.070	N	63.972	W	27			1.4	15	LEEWARD ISLANDS. MD 3.8 (TRN). ML 3.5 (FDF).
05	13	36	09.5*	30.261	N	114.729	W	10	G	3.9	1.1	17	GULF OF CALIFORNIA. Double event.
05	14	11	36.2?	37.11	S	176.46	E	306	?		0.7	23	NORTH ISLAND, NEW ZEALAND
05	14	35	07.8?	18.96	S	169.04	E	233	*	4.4	0.8	9	VANUATU ISLANDS
05	15	20	15.4%	26.910	S	26.690	E	5	G		1.0	7	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
05	16	48	31.1%	60.613	N	151.517	W	65				50	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
05	17	21	01.9*	10.174	S	122.718	E	33	N	4.8	1.1	7	SAVU SEA
05	17	30	50.9	57.703	N	137.892	W	10	G		0.8	20	OFF COAST OF SOUTHEASTERN ALASKA. ML 3.2 (AEIC).
05	17	36	48.9?	44.27	N	10.28	E	10	G		0.4	7	NORTHERN ITALY. ML 2.6 (LDG).
05	17	49	19.6*	22.914	S	69.834	W	49	*	4.1	1.3	10	NORTHERN CHILE
05	17	58	07.6*	57.271	N	138.482	W	10	G		0.5	13	OFF COAST OF SOUTHEASTERN ALASKA. ML 3.2 (AEIC).
05	18	15	39.1*	17.160	S	69.964	W	214	*		1.0	9	PERU-BOLIVIA BORDER REGION
05	19	24	47.1%	40.089	N	23.994	E	10	G		0.7	5	GREECE. ML 2.6 (THE).
05	20	03	39.1%	40.404	N	27.777	E	10	G		0.5	13	TURKEY. ML 3.2 (ISK).
05	20	16	34.9*	2.536	N	124.680	E	306	?	4.6	1.4	18	CELEBES SEA
05	20	30	46.9%	38.580	N	22.065	E	10	G		0.8	9	GREECE. ML 2.8 (THE).
05	20	44	22.2	39.365	N	141.598	E	14		4.4	0.9	14	EASTERN HONSHU, JAPAN
05	21	18	50.0	12.832	N	88.945	W	61	*	4.7	0.9	65	OFF COAST OF CENTRAL AMERICA
05	21	49	45.9	53.547	N	112.175	E	13		4.9 4.4	1.1	88	LAKE BAYKAL REGION, RUSSIA
05	22	35	32.3*	54.071	N	164.244	W	33	N	4.4	0.9	29	UNIMAK ISLAND REGION
05	22	40	26.9	37.189	N	94.638	E	17	D	5.1	0.9	103	QINGHAI, CHINA. ML 5.0 (BJI).
05	22	46	45.1?	37.04	S	176.85	E	240	?		0.5	6	NORTH ISLAND, NEW ZEALAND
05	23	06	12.3%	39.910	N	29.268	E	10	G		0.9	5	TURKEY. ML 2.6 (ISK).
06	02	00	02.9?	26.58	S	70.88	W	33	N		1.4	8	NEAR COAST OF NORTHERN CHILE
06	02	06	02.8%	32.352	N	115.336	W	6	G			4	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS).
06	02	20	05.7%	32.362	N	115.337	W	6	G			9	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.1 (PAS).
06	02	28	32.4?	52.68	N	2.26	E	10	G		0.8	11	NORTH SEA. ML 3.0 (LDG).
06	02	35	16.0%	52.936	N	5.695	W	10	G		0.4	5	UNITED KINGDOM
06	02	55	54.6?	45.58	N	26.59	E	130	G		0.4	6	ROMANIA
f 06	03	56	00.1	4.641	S	153.231	E	49	G	6.2 6.6	0.9	492	NEW IRELAND REGION, P.N.G. Mw 6.6 (GS), 6.6 (HRV). Ms 6.7 (BRK). Mo=1.4*10**19 Nm (PPT). Felt (V) at Rabaul. Depth from broadband displacement seismograms.
06	04	23	54.0%	38.207	S	176.190	E	205	*		0.5	30	NORTH ISLAND, NEW ZEALAND
06	05	13	30.1%	40.953	S	175.387	E	44	*		1.0	22	NORTH ISLAND, NEW ZEALAND
06	05	43	14.9%	37.838	N	122.025	W	12				52	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM). ML 2.7 (BRK). Felt at Berkeley, Castro Valley, Danville, Hayward, Moraga, Oakland, Orinda, San Ramon and Walnut Creek.
06	05	54	21.8%	32.372	N	115.345	W	6	G			5	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS).
06	06	04	21.0	30.935	S	69.057	W	132	*		1.0	20	CHILE-ARGENTINA BORDER REGION
06	06	27	36.2	2.516	N	79.105	W	33		4.7	1.0	69	SOUTH OF PANAMA
06	07	16	57.1*	14.529	N	61.092	W	155	?		0.4	13	WINDWARD ISLANDS. MD 3.6 (TRN).
06	07	21	27.2%	35.684	N	118.253	W	16				32	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 2.6 (PAS).
06	07	55	24.1	19.180	S	68.418	W	58		4.8	1.3	25	CHILE-BOLIVIA BORDER REGION
06	07	57	45.3	39.122	N	27.553	E	10	G		0.8	6	TURKEY. ML 2.7 (ISK).
06	08	11	18.4%	39.108	N	27.584	E	10	G		0.6	6	TURKEY. ML 2.7 (ISK).
06	08	16	45.1*	82.592	N	30.318	W	10	G	4.3	1.0	26	NEAR NORTH COAST OF GREENLAND
06	08	25	23.0%	34.141	N	116.837	W	10				39	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS), 3.7 (GS). Felt (IV) at Angelus Oaks and Mecca; (III) at Loma Linda. Also felt at Yucca Valley.
06	08	40	17.5%	40.482	N	29.008	E	10	G		0.8	8	TURKEY. ML 2.6 (ISK).
06	08	44	56.4%	39.218	N	27.793	E	10	G		0.5	5	TURKEY. ML 2.7 (ISK).
06	09	35	54.4%	32.494	S	71.462	W	10	G		0.4	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).

06	10	04	16.9%	41.279	S	173.686	E	80	G	0.8	21	SOUTH ISLAND, NEW ZEALAND		
06	10	32	32.9%	35.996	N	118.369	W	10			70	CENTRAL CALIFORNIA. <GM-P>. MD 3.8 (GM). ML 4.0 (BRK), 3.7 (PAS), 3.6 (GS).		
06	11	18	52.4%	39.651	N	27.837	E	10	G	0.5	5	TURKEY. ML 2.7 (ISK).		
06	11	30	09.2	44.422	N	7.297	E	10	G	0.5	23	NORTHERN ITALY. ML 2.4 (GEN), 2.3 (LDG).		
06	12	18	56.0%	44.325	N	7.231	E	10	G	0.4	9	NORTHERN ITALY. ML 2.0 (GEN).		
06	12	25	11.8%	40.468	N	28.980	E	10	G	0.6	8	TURKEY. ML 2.7 (ISK).		
06	13	09	54.7	13.786	N	120.762	E	162	4.8	1.0	72	MINDORO, PHILIPPINE ISLANDS		
06	13	13	23.2%	39.229	N	27.717	E	10	G	0.5	6	TURKEY. ML 2.7 (ISK).		
06	13	28	57.9	25.151	S	179.963	E	517	?	5.0	1.1	37	SOUTH OF FIJI ISLANDS	
06	13	44	06.2%	39.686	N	29.463	E	5	G	0.5	5	TURKEY. ML 2.7 (ISK).		
06	14	54	39.0%	40.534	N	27.498	E	10	G	0.4	8	TURKEY. ML 2.7 (ISK).		
06	16	53	01.7%	33.145	S	70.272	W	10	G	0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).		
06	17	26	00.9%	32.187	S	67.890	W	33	N	1.4	6	MENDOZA PROVINCE, ARGENTINA		
06	18	07	32.8%	14.697	N	61.106	W	10	G	0.2	5	WINDWARD ISLANDS. ML 2.5 (FDF). Felt (II) at Fonds St. Denis, Martinique.		
06	18	11	17.0?	33.89	S	71.89	W	33	N	0.6	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).		
06	18	19	59.4	14.386	N	93.275	W	36	*	4.6	1.2	44	NEAR COAST OF CHIAPAS, MEXICO	
06	18	24	20.2%	17.699	N	65.520	W	10	G	0.3	7	PUERTO RICO REGION		
06	18	56	28.4%	28.047	S	26.845	E	5	G	0.5	6	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).		
06	18	59	59.0	26.360	S	27.410	E	5	G	0.9	11	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE). mbLg 3.3 (BUL).		
06	19	07	59.0%	59.882	N	153.701	W	143			66	SOUTHERN ALASKA. <AEIC>.		
06	19	09	18.1	17.413	N	94.090	W	57	*	4.2	1.3	24	CHIAPAS, MEXICO	
06	19	30	02.9	14.568	N	93.136	W	43		4.5	4.2	0.9	42	NEAR COAST OF CHIAPAS, MEXICO
06	19	44	39.9%	35.997	N	118.368	W	9				33	CENTRAL CALIFORNIA. <GM-P>. MD 3.0 (GM). ML 2.6 (PAS).	
06	20	14	04.3	23.503	N	94.212	E	85	4.7	0.9	70	MYANMAR-INDIA BORDER REGION		
06	20	34	01.4%	33.381	N	116.283	W	13			4	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS). Felt.		
06	20	57	22.4	30.282	N	94.809	E	33	N	4.7	1.2	45	XIZANG	
06	21	18	48.5	12.667	N	89.043	W	33	N		0.4	6	OFF COAST OF CENTRAL AMERICA. Felt (III) at San Salvador, El Salvador.	
06	21	29	10.0%	61.268	N	151.410	W	74			56	SOUTHERN ALASKA. <AEIC>.		
06	22	00	35.4?	54.87	S	159.28	E	33	N	4.5	1.3	9	MACQUARIE ISLANDS REGION	
06	22	20	02.9	31.914	S	71.344	W	90	*		1.2	27	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN). Felt (III) at La Ligua and Catapilco; (II) at Papudo.	
06	22	20	06.4%	32.409	N	115.346	W	6	G		5	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.8 (PAS).		
06	22	20	42.8%	32.341	N	115.350	W	6	G		2	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.7 (PAS).		
06	22	22	01.7%	32.428	N	115.337	W	6	G		4	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.0 (PAS).		
06	22	30	12.8%	32.353	N	115.357	W	6	G		19	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.8 (PAS).		
06	22	40	54.7%	32.358	N	115.335	W	6	G		4	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.8 (PAS).		
06	22	42	39.4?	39.40	N	26.01	E	10	G	0.5	5	TURKEY. ML 3.1 (ISK).		
06	22	52	45.6	47.490	N	7.673	E	10	G	0.3	9	SWITZERLAND. ML 2.5 (LDG), 2.2 (STR).		
06	22	53	42.8%	60.167	N	153.508	W	176			49	SOUTHERN ALASKA. <AEIC>.		
07	00	20	57.7%	31.459	S	68.123	W	33	N	0.8	7	SAN JUAN PROVINCE, ARGENTINA		
07	01	05	45.8	38.480	N	20.373	E	10	G	0.6	13	GREECE. ML 3.1 (THE). MD 3.3 (ATH).		
07	02	09	37.9*	14.248	N	93.263	W	56	?	4.2	1.3	21	NEAR COAST OF CHIAPAS, MEXICO. Felt in parts of Chiapas and also at Mexico City.	
07	02	09	56.3	38.409	N	133.778	E	444	4.8	0.7	42	SEA OF JAPAN		
07	02	26	02.7	26.917	S	26.814	E	5	G	0.9	6	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).		
07	02	28	31.4?	7.43	S	127.75	E	119	?	4.4	1.4	14	BANDA SEA	
a 07	02	48	50.8	31.635	S	179.440	W	10	G	5.9	6.5	1.2	206	KERMADEC ISLANDS REGION. Mw 6.5 (GS), 6.4 (HRV). Ms 6.5 (BRK). Mo=3.4*10**18 Nm (PPT).
07	03	14	01.6	38.908	N	29.888	E	10	G	1.3	9	TURKEY. ML 3.1 (ISK).		
07	03	14	45.7%	38.851	N	29.885	E	10	G	0.7	7	TURKEY. ML 3.3 (ISK).		
07	04	22	18.2?	15.25	N	60.36	W	31	*	0.4	7	LEEWARD ISLANDS. ML 2.8 (FDF).		
07	04	44	42.2	7.363	S	128.779	E	117	*	5.1	1.0	51	BANDA SEA	
07	05	17	34.3%	60.668	N	151.988	W	97			89	KENAI PENINSULA, ALASKA. <AEIC>.		
07	06	10	32.1	13.298	N	145.497	E	62	4.9	0.9	76	MARIANA ISLANDS. mb 5.0 (BRK).		
07	07	19	45.7?	34.23	S	72.26	W	10	G	0.7	7	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).		
07	08	02	43.2%	60.123	N	152.068	W	60			86	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.8 (PMR).		
07	08	14	03.4*	40.482	N	21.822	E	10	G	1.4	6	GREECE. ML 3.0 (THE).		
07	08	25	03.1%	39.249	N	27.617	E	10	G	0.5	6	TURKEY. ML 2.7 (ISK).		
07	08	28	21.9	1.801	N	80.580	W	33	N	4.7	0.9	36	OFF COAST OF ECUADOR. MD 4.8 (UPA).	
07	08	57	34.0%	39.174	N	27.584	E	10	G	0.3	5	TURKEY. ML 2.7 (ISK).		
07	09	06	36.0*	40.568	N	20.908	E	10	G	1.2	5	GREECE-ALBANIA BORDER REGION		
07	09	43	17.9%	34.167	N	116.433	W	7			14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.0 (GS). Felt.		
07	09	55	03.7?	39.56	N	29.46	E	10	G	0.3	4	TURKEY. ML 2.7 (ISK).		
07	09	57	07.0?	18.95	S	67.75	W	33	N	0.7	5	CENTRAL BOLIVIA		
07	10	07	30.9?	31.85	S	177.56	W	33	N	4.8	4.3	1.3	11	KERMADEC ISLANDS REGION
07	10	30	55.8%	40.626	N	125.034	W	24			6	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).		
07	10	42	12.2?	30.52	S	68.51	W	33	N	1.2	5	SAN JUAN PROVINCE, ARGENTINA		
07	11	01	20.0%	44.444	N	7.271	E	10	G	0.3	7	NORTHERN ITALY. ML 1.8 (GEN).		
07	11	24	26.8%	32.364	N	115.359	W	6	G		20	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 4.0 (PAS).		
07	11	29	07.4%	32.375	N	115.343	W	6	G		2	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.9 (PAS).		
07	11	32	14.8%	40.068	N	29.497	E	10	G	0.6	6	TURKEY. ML 2.7 (ISK).		
07	11	33	22.2%	32.371	N	115.353	W	6	G		11	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.4 (PAS).		
07	11	34	28.5%	32.379	N	115.359	W	6	G		2	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.1 (PAS).		
07	11	56	47.4	43.083	N	27.348	E	10	G	0.9	20	BULGARIA. Felt at Shumen, Devnya and Dulgopol.		
07	12	01	36.8%	32.363	N	115.342	W	6	G		5	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.8 (PAS).		
07	12	12	33.0%	32.351	N	115.350	W	6	G		8	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.0 (PAS). Double event.		
07	12	13	46.9%	32.361	N	115.342	W	6	G		3	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.3 (PAS).		

07	12	27	44.8%	39.242	N	27.703	E	10	G	1.0	5	TURKEY. ML 2.7 (ISK).	
07	12	38	39.5%	32.348	N	115.347	W	6	G		6	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.1 (PAS).	
07	12	40	56.5%	34.048	N	117.169	W	7			10	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).	
07	12	41	20.1%	32.351	N	115.350	W	6	G		1	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.5 (PAS).	
07	12	48	55.3%	32.359	N	115.364	W	6	G		5	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.8 (PAS).	
07	12	59	21.9%	32.363	N	115.363	W	6	G		9	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.7 (PAS).	
07	13	02	05.6%	59.837	N	152.875	W	98			76	SOUTHERN ALASKA. <AEIC>.	
07	13	09	38.9*	22.716	S	66.356	W	262	*	1.1	11	JUJUY PROVINCE, ARGENTINA	
07	13	14	26.8%	40.611	N	23.580	E	10	G	0.6	6	GREECE. ML 2.4 (THE).	
07	13	38	27.2%	40.097	N	29.306	E	10	G	0.2	5	TURKEY. ML 2.5 (ISK).	
07	13	39	43.0	13.010	S	167.458	E	190	G	1.1	62	VANUATU ISLANDS	
07	13	40	48.4%	32.329	N	115.355	W	6	G		7	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.2 (PAS).	
07	13	55	01.3	38.508	N	28.251	E	10	G	0.7	6	TURKEY. ML 2.9 (ISK).	
07	13	56	06.8%	62.768	N	148.744	W	62		4.2	108	CENTRAL ALASKA. <AEIC>. ML 4.5 (AEIC), 4.1 (PMR). Felt (II) at Palmer.	
07	14	07	54.3%	32.363	N	115.347	W	6	G		4	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.7 (PAS).	
07	14	10	18.0%	32.355	N	115.362	W	6	G		8	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.8 (PAS).	
07	14	16	31.8?	31.60	S	69.29	W	138	?	0.1	5	SAN JUAN PROVINCE, ARGENTINA	
07	14	26	36.4*	1.362	N	122.636	E	33	N	4.1	0.9	10	MINAHASSA PENINSULA, SULAWESI
07	14	41	49.7%	60.468	N	152.331	W	85			79	SOUTHERN ALASKA. <AEIC>.	
07	14	50	13.4?	39.74	N	29.49	E	10	G	0.4	5	TURKEY. ML 2.6 (ISK).	
07	15	03	12.4%	39.571	N	29.436	E	10	G	0.6	5	TURKEY. ML 2.7 (ISK).	
07	15	04	35.4	49.129	N	6.913	E	5	G	1.0	13	GERMANY. ML 2.6 (STR), 2.6 (UCC).	
07	15	16	13.1%	26.424	S	27.431	E	5	G	1.1	6	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).	
07	16	41	52.5%	34.268	N	116.451	W	1			16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt.	
07	17	12	41.5?	51.77	N	97.82	E	10	G	4.1	1.0	11	RUSSIA-MONGOLIA BORDER REGION
07	17	29	53.7	39.526	N	143.635	E	29		4.7	0.8	33	OFF EAST COAST OF HONSHU, JAPAN
07	17	41	11.5%	26.806	S	26.678	E	5	G		0.8	7	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
07	17	59	29.0%	26.909	S	26.867	E	5	G		1.4	6	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
07	18	23	22.9%	37.892	S	176.074	E	228	?	0.5	20	NORTH ISLAND, NEW ZEALAND	
07	19	12	03.6	28.105	S	26.890	E	5	G		1.3	14	REPUBLIC OF SOUTH AFRICA. ML 3.7 (PRE).
07	20	10	26.7	42.828	N	142.174	E	145		4.7	0.7	96	HOKKAIDO, JAPAN REGION
07	20	14	09.2	41.119	N	19.787	E	10	G		1.0	6	ALBANIA. ML 2.2 (TIR).
07	20	18	12.4*	10.181	N	126.299	E	46	*	4.2	0.9	10	PHILIPPINE ISLANDS REGION
07	21	10	16.2%	63.427	N	151.080	W	9			56	CENTRAL ALASKA. <AEIC>. ML 2.8 (AEIC), 3.0 (PMR).	
07	21	13	19.6%	63.558	N	150.714	W	9			52	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 3.0 (PMR).	
07	21	31	57.9*	38.485	N	20.417	E	10	G	0.9	8	GREECE. ML 3.0 (THE). MD 3.1 (ATH).	
07	22	58	26.3*	10.960	S	112.426	E	33	N	4.0 4.2	0.8	6	SOUTH OF JAWA, INDONESIA
07	23	01	58.8	11.937	N	124.125	E	27	D	4.5 4.0	1.2	20	LEYTE, PHILIPPINE ISLANDS
08	00	14	04.2%	33.597	S	70.488	W	28	*		1.1	8	CHILE-ARGENTINA BORDER REGION. MD 3.1 (SAN).
08	00	19	54.6%	33.626	N	119.041	W	12			19	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS).	
08	00	30	19.6%	61.679	N	152.101	W	128			43	SOUTHERN ALASKA. <AEIC>.	
08	01	01	45.2	35.836	N	115.847	W	10	G		0.6	31	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (GS), 3.8 (PAS).
08	01	05	21.0%	45.178	S	166.510	E	64	?	0.6	16	OFF W. COAST OF S. ISLAND, N.Z.	
08	01	30	06.6%	59.271	N	153.362	W	96			69	SOUTHERN ALASKA. <AEIC>.	
08	01	34	06.9?	29.82	S	69.44	W	130	G	0.7	8	CHILE-ARGENTINA BORDER REGION	
08	01	47	24.1%	34.105	N	117.283	W	5			12	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).	
08	03	09	02.3	40.761	N	21.909	E	10	G	1.2	21	GREECE. ML 3.3 (THE), 3.0 (TIR). MD 3.2 (ATH).	
08	03	33	10.9?	39.50	N	23.66	E	10	G	0.8	6	AEGEAN SEA. ML 2.9 (THE).	
08	04	07	40.6%	44.318	N	7.414	E	10	G	0.4	6	NORTHERN ITALY. ML 1.8 (GEN).	
08	04	13	19.5	26.779	S	26.626	E	5	G	1.1	12	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE). mbLg 2.9 (BUL).	
08	04	16	09.8%	46.118	S	166.815	E	144	*	0.6	27	OFF W. COAST OF S. ISLAND, N.Z.	
08	05	32	15.9	47.450	N	9.682	E	10	G	1.1	8	GERMANY. ML 2.5 (VIE).	
08	06	10	39.6	39.459	N	20.917	E	10	G	0.8	7	GREECE-ALBANIA BORDER REGION. ML 2.7 (THE).	
08	06	17	47.7	39.510	N	20.970	E	10	G	1.4	13	GREECE-ALBANIA BORDER REGION. ML 2.9 (THE).	
08	06	52	20.9	33.664	S	70.459	W	10	G	0.8	9	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).	
08	07	20	17.8%	32.346	N	115.365	W	6	G		8	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.1 (PAS).	
08	07	28	19.7*	32.204	S	71.382	W	78	?	1.1	17	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN). Felt (III) at La Ligua, Zapallar and Illapel; (II) at Papudo and Cabildo.	
08	07	32	09.0?	36.71	N	5.23	W	10	G	0.1	4	STRAIT OF GIBRALTAR. mbLg 2.6 (MDD).	
08	08	10	41.8	39.137	N	27.673	E	10	G	0.6	7	TURKEY. ML 2.9 (ISK).	
08	08	12	25.0*	32.268	S	71.630	W	33	N	1.1	18	NEAR COAST OF CENTRAL CHILE. MD 4.1 (SAN).	
08	08	28	27.7%	39.160	N	27.423	E	10	G	0.5	5	TURKEY. ML 2.7 (ISK).	
08	09	13	18.9%	39.067	N	27.554	E	10	G	0.2	5	TURKEY. ML 2.7 (ISK).	
08	09	15	08.7?	29.43	N	140.96	E	70	?	4.4	1.1	10	SOUTH OF HONSHU, JAPAN
08	09	17	01.5?	29.71	N	142.24	E	58	?	4.2	0.7	8	SOUTH OF HONSHU, JAPAN
08	09	26	11.9*	40.406	N	21.847	E	10	G	1.2	5	GREECE	
08	09	43	03.6	44.522	N	6.748	E	10	G	0.5	5	FRANCE. ML 1.7 (GEN).	
08	09	46	19.4%	39.128	N	27.571	E	10	G	0.4	5	TURKEY. ML 2.7 (ISK).	
08	10	24	50.6?	39.72	N	29.52	E	5	G	1.0	4	TURKEY. ML 2.7 (ISK).	
08	11	04	20.3%	62.608	N	150.204	W	73			57	CENTRAL ALASKA. <AEIC>.	
08	11	38	37.0	29.987	N	52.028	E	31	D	4.9 4.4	1.2	139	SOUTHERN IRAN. Felt in the Rudian area. Also felt at Shiraz.
08	12	06	35.9?	16.95	N	147.43	E	33	N	4.3	1.1	11	MARIANA ISLANDS REGION
08	12	16	25.6%	41.250	N	29.328	E	10	G	0.6	8	TURKEY. ML 2.8 (ISK).	
08	12	19	17.5%	42.146	N	24.067	E	10	G	1.1	7	BULGARIA. ML 3.3 (THE).	
08	12	39	31.4%	39.241	N	27.712	E	10	G	0.8	5	TURKEY. ML 2.8 (ISK).	
08	12	49	16.1?	10.92	N	86.90	W	33	N	4.2	0.9	16	OFF COAST OF COSTA RICA
08	13	04	24.7?	57.78	N	8.18	E	10	G	0.4	7	DENMARK. MD 2.7 (BER).	
08	13	37	57.4?	34.21	S	70.34	W	10	G	0.5	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).	
08	14	56	18.8?	39.80	N	29.72	E	10	G	0.2	4	TURKEY. ML 2.7 (ISK).	
08	15	12	08.6	42.977	S	173.165	E	28		3.6	0.7	28	SOUTH ISLAND, NEW ZEALAND. ML 4.1 (WEL).
08	15	40	33.4%	36.134	N	117.843	W	4			8	CALIFORNIA-NEVADA BORDER REGION. <PAS-P>. ML 2.7 (PAS).	

08	16	00	07.0	63.132	N	151.406	W	10	G	0.9	8	CENTRAL ALASKA. ML 3.1 (PMR).
08	16	17	41.6	41.245	N	21.962	E	10	G	0.8	9	NORTHWESTERN BALKAN REGION. ML 2.5 (THE).
08	17	06	11.7	21.111	S	178.784	W	619	?	1.2	24	FIJI ISLANDS REGION
08	18	20	15.2	12.30	S	122.40	E	33	N	0.9	7	SOUTH OF TIMOR, INDONESIA
08	19	50	30.0	20.973	S	67.314	W	247	?	1.1	7	SOUTHERN BOLIVIA
08	19	54	41.8	40.191	N	52.490	E	82	?	1.1	10	TURKMENISTAN
08	20	28	24.1	34.053	N	117.166	W	8			7	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
08	21	51	31.0	37.963	N	22.057	E	33	N	1.4	12	SOUTHERN GREECE. ML 3.2 (ATH), 3.0 (THE).
08	22	08	02.5	2.559	N	128.784	E	24	D	1.1	38	HALMAHERA, INDONESIA
08	22	32	25.7	0.013	S	16.654	W	10	G	1.2	26	NORTH OF ASCENSION ISLAND
08	22	44	21.0	37.90	N	21.69	E	33	N	0.8	8	SOUTHERN GREECE. ML 3.3 (ATH), 3.1 (THE).
08	23	00	06.3	59.932	N	153.609	W	163			41	SOUTHERN ALASKA. <AEIC>.
08	23	03	34.1	36.948	S	176.917	E	291	?	0.7	29	OFF E. COAST OF N. ISLAND, N.Z.
08	23	06	37.6	38.635	S	178.081	E	87	?	1.2	19	OFF E. COAST OF N. ISLAND, N.Z.
08	23	21	18.0	36.885	N	2.357	W	10	G	1.0	6	STRAIT OF GIBRALTAR. mbLg 2.8 (MDD).
08	23	52	39.4	26.874	S	26.645	E	5	G	0.8	6	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
08	23	58	06.9	40.432	S	173.220	E	180	G	0.8	24	COOK STRAIT, NEW ZEALAND
09	00	00	15.6	40.448	N	28.953	E	5	G	0.6	10	TURKEY. ML 2.8 (ISK).
09	00	14	59.9	18.32	N	101.73	W	33	N	1.2	5	GUERRERO, MEXICO
09	00	32	40.1	32.367	N	20.648	E	33	N	1.4	67	NEAR COAST OF LIBYA
09	00	47	18.0	40.55	N	28.94	E	5	G	0.3	4	TURKEY. ML 2.5 (ISK).
09	01	17	52.4	47.909	N	9.364	E	11		1.2	16	GERMANY. ML 3.0 (LDG), 3.0 (STR), 2.6 (VIE), 2.6 (GRF).
09	01	31	43.9	39.538	N	23.639	E	10	G	0.5	8	AEGEAN SEA. ML 2.9 (THE).
09	01	34	09.7	40.36	N	28.99	E	10	G	0.4	4	TURKEY. ML 2.5 (ISK).
09	01	34	53.7	40.466	N	28.942	E	5	G	0.6	10	TURKEY. ML 2.7 (ISK).
09	02	04	06.8	34.213	N	117.590	W	4			8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).
09	03	01	28.7	40.348	N	25.977	E	10		0.8	19	AEGEAN SEA. ML 3.5 (ISK), 3.0 (THE). MD 2.9 (ATH).
09	03	20	52.1	44.10	N	128.56	W	10	G	0.5	32	OFF COAST OF OREGON
09	03	32	54.0	21.494	S	174.545	W	39	D	1.2	48	TONGA ISLANDS
09	03	35	37.2	40.353	N	25.861	E	10	G	0.6	19	AEGEAN SEA. ML 4.0 (THE), 3.6 (ISK).
09	04	34	09.4	66.534	N	13.023	E	10	G	1.3	5	NORTHERN NORWAY. MD 2.8 (BER).
09	05	09	08.9	35.867	N	115.824	W	5	G	0.7	24	CALIFORNIA-NEVADA BORDER REGION. ML 3.5 (GS), 3.6 (PAS).
09	05	20	46.0	23.817	S	66.915	W	202	?	1.5	8	JUJUY PROVINCE, ARGENTINA
09	05	57	05.9	35.865	N	115.794	W	5	G	0.9	12	CALIFORNIA-NEVADA BORDER REGION. ML 3.2 (GS), 3.0 (PAS).
09	06	00	04.3	40.151	N	30.031	E	5	G	0.6	5	TURKEY. ML 2.7 (ISK).
09	07	48	10.2	17.696	S	174.894	W	205	D	1.0	61	TONGA ISLANDS
09	08	13	37.5	39.219	N	27.731	E	10	G	0.2	5	TURKEY. ML 2.8 (ISK).
09	08	41	20.0	40.723	N	19.572	E	22		1.2	34	ALBANIA. ML 3.6 (THE), 3.5 (TIR). MD 3.5 (ATH).
09	08	49	00.5	4.356	S	135.705	E	10	G	1.2	8	IRIAN JAYA REGION, INDONESIA
09	08	55	58.2	41.071	N	20.055	E	5	G	1.0	21	ALBANIA. ML 3.5 (THE). ML 2.9 (TIR).
09	09	24	33.1	39.080	N	27.581	E	10	G	0.3	5	TURKEY. ML 2.7 (ISK).
09	09	42	37.6	32.340	N	115.357	W	6	G		5	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.6 (PAS).
09	09	45	14.0	60.248	N	153.226	W	127		1.0	128	SOUTHERN ALASKA. Felt (II) at Homer. Felt in the southern part of the Kenai Peninsula.
09	09	50	41.8	46.528	N	10.632	E	10	G	0.8	6	NORTHERN ITALY. ML 2.0 (VIE).
09	10	01	02.9	46.558	N	10.677	E	10	G	1.1	14	NORTHERN ITALY. ML 2.8 (VIE).
09	10	39	25.4	39.674	N	29.460	E	10	G	0.8	5	TURKEY. ML 2.7 (ISK).
09	10	42	12.6	34.243	N	116.424	W	3			9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS), 2.7 (GS).
09	11	23	04.8	64.962	N	139.024	W	0			22	SOUTHERN YUKON TERRITORY, CANADA. <AEIC>. ML 3.3 (AEIC).
09	11	24	05.1	39.625	N	29.494	E	10	G	0.8	6	TURKEY. ML 2.7 (ISK).
09	11	58	30.5	39.265	N	27.698	E	10	G	0.6	6	TURKEY. ML 2.7 (ISK).
09	12	00	52.2	39.128	N	27.591	E	10	G	0.4	6	TURKEY. ML 2.7 (ISK).
09	12	12	57.1	40.355	N	26.024	E	10	G	1.4	9	TURKEY. ML 3.0 (ISK), 2.5 (THE).
09	12	15	59.7	9.627	N	78.334	W	62		0.9	19	PANAMA. MD 4.4 (UPA).
09	12	47	25.2	39.652	N	29.529	E	10	G	0.7	5	TURKEY. ML 2.6 (ISK).
09	12	48	33.6	35.513	N	27.935	E	53	*	1.2	29	DODECANESE ISLANDS. MD 4.2 (ATH).
09	12	52	59.9	39.58	N	29.48	E	10	G	0.2	4	TURKEY. ML 2.7 (ISK).
09	13	12	43.0	39.261	N	27.707	E	10	G	0.4	6	TURKEY. ML 2.8 (ISK).
09	13	32	16.2	18.145	S	178.448	W	601	*	1.0	104	FIJI ISLANDS REGION
09	13	33	20.3	38.561	N	20.494	E	10	G	1.3	7	GREECE. ML 4.1 (ATH).
09	14	21	51.7	67.650	N	145.377	W	28			10	NORTHERN ALASKA. <AEIC>. ML 3.3 (AEIC).
09	14	36	25.5	26.901	S	26.692	E	5	G	0.8	11	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
09	15	04	47.6	39.652	N	29.452	E	10	G	0.2	5	TURKEY. ML 2.6 (ISK).
09	15	09	28.6	44.042	N	150.288	E	49	D	0.9	184	EAST OF KURIL ISLANDS
09	15	30	46.1	67.045	N	20.953	E	5	G	1.1	6	SWEDEN. MD 3.3 (BER).
09	15	51	18.2	42.489	N	2.052	E	10	G	0.7	8	PYRENEES. ML 2.7 (LDG).
09	16	14	48.8	40.317	N	29.359	E	10	G	0.3	6	TURKEY. ML 2.6 (ISK).
09	16	24	20.1	38.834	N	27.720	E	10	G	1.1	8	TURKEY. ML 2.9 (ISK).
09	17	35	37.9	38.418	N	28.247	E	10	G	0.9	5	TURKEY. ML 2.8 (ISK).
09	17	36	47.6	38.398	N	28.277	E	10	G	0.6	8	TURKEY. ML 3.0 (ISK).
09	17	45	39.3	60.017	N	152.689	W	95			64	SOUTHERN ALASKA. <AEIC>.
09	17	48	21.5	31.18	S	68.34	W	100	G	0.2	6	SAN JUAN PROVINCE, ARGENTINA
09	18	54	00.3	38.402	N	28.239	E	10	G	0.8	7	TURKEY. ML 2.9 (ISK).
09	18	57	18.5	23.184	S	66.760	W	232		0.8	12	JUJUY PROVINCE, ARGENTINA
09	19	19	07.5	12.663	S	104.259	E	10	G	0.8	44	SOUTH INDIAN OCEAN
09	19	21	48.5	31.747	N	141.565	E	33	N	0.9	30	SOUTH OF HONSHU, JAPAN
09	20	10	20.3	42.652	N	18.988	E	10	G	0.5	9	NORTHWESTERN BALKAN REGION
09	20	53	48.8	6.236	S	131.955	E	54	?	1.4	16	TANIMBAR ISLANDS REG., INDONESIA
09	21	19	50.8	42.657	N	18.971	E	10	G	0.6	10	NORTHWESTERN BALKAN REGION
09	21	22	47.9	21.828	S	67.301	W	264	?	1.4	10	CHILE-BOLIVIA BORDER REGION
a 09	21	52	12.8	56.214	S	27.332	W	110	G	1.1	105	SOUTH SANDWICH ISLANDS REGION. Mw 5.7 (GS), 5.6 (HRV).
09	22	28	09.8	39.330	N	20.552	E	10	G	1.0	14	GREECE-ALBANIA BORDER REGION. ML 3.1 (THE). MD 3.0 (ATH).
09	23	31	30.1	15.829	N	61.046	W	100		0.4	22	LEEWARD ISLANDS. Felt (III) on Guadeloupe and (II) on Martinique.
09	23	36	47.2	44.295	N	6.928	E	10	G	0.4	6	FRANCE. ML 1.6 (LDG).
09	23	47	43.7	38.577	N	23.567	E	10	G	0.3	10	GREECE. ML 3.2 (THE), 3.0 (ATH).
09	01	17	42.7	40.851	N	123.480	W	29			27	NORTHERN CALIFORNIA. <GM-P>. MD 3.1 (GM).
10	01	50	32.7	26.159	S	27.837	E	5	G	0.9	6	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).

10	01	58	24.9*	51.632 N	7.660 E	5 G	1.5	7	GERMANY. ML 2.4 (BNS).
10	02	06	56.2*	59.277 N	152.187 W	61		46	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).
10	03	06	52.3	44.507 N	8.505 E	10 G	0.2	4	NORTHERN ITALY. ML 2.1 (GEN).
10	03	19	42.6*	12.897 N	144.615 E	68	4.8	1.0	17 SOUTH OF MARIANA ISLANDS
10	03	20	53.3*	33.644 S	70.470 W	10 G	0.9	8	CHILE-ARGENTINA BORDER REGION. MD 3.2 (SAN).
10	03	38	05.1*	34.421 N	116.472 W	3		12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS).
10	04	17	55.1	34.683 N	140.641 E	33 N	4.3	0.7	14 NEAR EAST COAST OF HONSHU, JAPAN
a 10	04	22	11.8	15.758 S	179.904 E	10 G	5.1 4.8	1.1	89 FIJI ISLANDS. Mw 5.4 (HRV). Ms 4.8 (BRK).
10	05	12	26.4?	9.88 S	160.97 E	33 N	3.9	0.4	5 SOLOMON ISLANDS
10	05	17	02.7?	44.47 N	7.26 E	10 G		0.1	4 NORTHERN ITALY. ML 1.6 (GEN).
10	05	59	24.4*	42.577 N	2.450 E	10 G		1.5	9 PYRENEES. ML 2.5 (LDG).
10	07	14	56.3*	36.819 N	121.549 W	8		29	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
10	07	33	23.6*	39.124 N	27.636 E	10 G		0.9	5 TURKEY. ML 2.8 (ISK).
10	07	36	06.3*	2.227 N	126.805 E	87 *	4.9	0.7	9 NORTHERN MOLUCCA SEA
10	07	41	18.1*	39.085 N	27.559 E	10 G		0.7	5 TURKEY. ML 2.6 (ISK).
10	08	18	47.7*	39.685 N	29.419 E	10 G		0.8	5 TURKEY. ML 2.6 (ISK).
10	08	50	57.1	31.350 S	72.205 W	35 *	4.2	1.1	30 OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN).
10	09	03	01.6*	39.173 N	27.631 E	10 G		0.1	6 TURKEY. ML 2.7 (ISK).
10	09	06	53.7?	39.05 N	27.68 E	10 G		0.4	4 TURKEY. ML 2.7 (ISK).
10	09	15	07.4?	40.35 N	20.64 E	10 G		0.8	7 GREECE-ALBANIA BORDER REGION
10	09	19	39.9*	39.657 N	29.473 E	10 G		0.6	11 TURKEY. ML 2.8 (ISK).
10	09	26	20.6	37.106 N	5.803 W	5 G		0.9	22 SPAIN. mbLg 3.4 (MDD).
10	09	27	32.1*	39.649 N	29.424 E	10 G		1.1	7 TURKEY. ML 2.7 (ISK).
10	09	38	17.4*	26.923 S	26.756 E	5 G		0.8	7 REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
10	09	42	54.4*	24.122 S	67.261 W	231 ?		1.5	8 CHILE-ARGENTINA BORDER REGION
10	09	44	07.0?	44.76 N	2.60 E	10 G		1.2	6 FRANCE. ML 2.1 (LDG).
10	10	03	46.4*	40.087 N	29.372 E	10 G		1.0	5 TURKEY. ML 2.5 (ISK).
10	10	43	40.0*	36.097 N	140.087 E	81	4.7	0.9	24 NEAR EAST COAST OF HONSHU, JAPAN
10	10	50	19.7	16.683 N	98.737 W	10 G	4.9	1.1	68 NEAR COAST OF GUERRERO, MEXICO
10	10	54	25.6*	39.652 N	29.471 E	10 G		1.0	10 TURKEY. ML 2.8 (ISK).
10	11	07	00.3*	19.965 S	133.734 E	10 G	3.9	1.3	7 NORTHERN TERRITORY, AUSTRALIA
10	12	10	43.6	39.114 N	27.566 E	10 G		0.5	8 TURKEY. ML 2.8 (ISK).
10	12	16	25.4?	42.38 N	24.03 E	5 G		1.5	7 BULGARIA. ML 3.3 (THE).
10	12	17	26.2*	39.232 N	27.744 E	10 G		0.6	6 TURKEY. ML 2.7 (ISK).
10	12	47	10.0*	40.614 N	23.336 E	10 G		0.5	6 GREECE. ML 2.1 (THE).
10	13	33	18.4	38.571 N	20.330 E	10 G	4.0	1.3	60 GREECE. ML 4.0 (ATH), 4.0 (TIR). Felt on Kefallinia and Zakynthos.
10	14	13	13.1?	31.54 S	68.14 W	30 ?		0.4	5 SAN JUAN PROVINCE, ARGENTINA
10	14	56	27.8	58.086 N	142.995 W	10 G		0.8	73 GULF OF ALASKA. ML 3.3 (AEIC), 3.7 (PMR).
10	15	01	51.2	38.937 S	174.826 E	273 *		0.4	26 NORTH ISLAND, NEW ZEALAND
10	15	04	40.1	39.079 N	144.368 E	36 D	4.8 4.4	1.0	59 OFF EAST COAST OF HONSHU, JAPAN
10	15	05	36.3*	39.155 N	27.520 E	10 G		0.4	6 TURKEY. ML 2.7 (ISK).
10	15	20	36.5*	32.360 N	115.363 W	6 G			7 CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.1 (PAS).
10	15	39	47.6	34.834 N	12.441 E	10	4.7	1.4	97 CENTRAL MEDITERRANEAN SEA
10	15	56	35.4*	34.358 N	116.455 W	8		12	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS), 3.0 (GS). Felt.
10	15	59	50.1	44.265 N	7.530 E	10 G		0.7	18 NORTHERN ITALY. ML 2.2 (LDG), 2.1 (GEN).
a 10	16	02	32.3	35.039 N	12.366 E	10 G	5.0 4.9	1.3	225 CENTRAL MEDITERRANEAN SEA. Mw 5.3 (HRV). ML 4.7 (ROM). Felt on Lampedusa, Italy.
10	16	37	42.2*	8.505 S	122.288 E	33 N	3.9	1.5	13 FLORES REGION, INDONESIA
10	16	53	33.7*	40.657 N	23.431 E	10 G		0.4	5 GREECE. ML 2.4 (THE).
10	17	03	48.6	37.848 N	21.013 E	5 G	3.6	0.6	15 SOUTHERN GREECE. ML 3.4 (ATH). Felt in the Pargos-Kiparissia area.
a 10	17	28	08.6	14.429 N	92.805 W	62	5.3	1.1	229 NEAR COAST OF CHIAPAS, MEXICO. Mw 5.8 (HRV). Ms 5.2 (BRK). MD 5.0 (GCG).
10	17	58	57.0*	40.806 N	19.723 E	5 G		0.8	5 ALBANIA
10	18	34	06.1?	14.10 N	93.10 W	33 N	4.0	1.2	7 NEAR COAST OF CHIAPAS, MEXICO
a 10	18	58	57.0	14.415 N	92.764 W	63	5.5	1.0	272 NEAR COAST OF CHIAPAS, MEXICO. Mw 6.0 (HRV). mb 5.9 (BRK).
f 10	19	12	54.6	14.717 N	92.645 W	34 G	6.2 7.3	1.3	466 NEAR COAST OF CHIAPAS, MEXICO. Mw 7.2 (GS), 7.2 (HRV). Ms 7.2 (BRK). Mo=1.0*10**20 Nm (PPT). One person killed, 3 injured and considerable damage in southwestern Guatemala. Rockslides blocked some roads in Guatemala. Some damage in parts of Chiapas, Mexico. Felt strongly in southern Mexico and as far away as Mexico City. Felt in much of Central America. Two events about 2 seconds apart. Depth from broadband displacement seismograms, based on second event.
10	19	18	25.5	38.943 N	111.573 E	33 N	4.6	1.1	20 NORTHEASTERN CHINA. ML 5.0 (BJI).
10	19	45	06.7	14.311 N	92.971 W	72	4.7	1.2	69 NEAR COAST OF CHIAPAS, MEXICO
10	19	46	55.7	27.861 S	66.747 W	154	5.2	1.2	68 CATAMARCA PROVINCE, ARGENTINA
10	19	48	55.5?	29.94 N	34.15 E	10 G	3.6	0.7	5 EGYPT. MD 3.9 (HLW).
10	19	51	44.4?	13.74 N	93.01 W	37 ?	4.4	0.9	14 OFF COAST OF CHIAPAS, MEXICO
10	19	55	47.5*	14.178 N	93.315 W	64 *	4.9	1.0	18 NEAR COAST OF CHIAPAS, MEXICO
10	20	04	22.4?	45.33 S	166.00 E	10 G		0.9	17 OFF W. COAST OF S. ISLAND, N.Z. ML 4.5 (WEL).
10	20	20	51.1?	13.77 N	92.96 W	33 N	4.5	1.5	7 OFF COAST OF CHIAPAS, MEXICO
10	20	33	58.4*	45.019 N	0.378 W	10 G		0.7	6 FRANCE. ML 2.1 (LDG).
10	20	39	09.0	14.146 N	93.107 W	49	4.9	1.0	69 NEAR COAST OF CHIAPAS, MEXICO. MD 5.0 (GCG).
10	21	10	39.7*	14.093 N	92.772 W	55 *	4.6	1.1	9 NEAR COAST OF CHIAPAS, MEXICO. MD 4.4 (GCG).
10	21	14	37.5*	14.050 N	92.925 W	33 N		1.1	11 NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG).
10	21	22	34.0	13.942 N	93.034 W	52	4.7	0.8	24 OFF COAST OF CHIAPAS, MEXICO. MD 4.9 (GCG).
10	21	49	45.9	14.209 N	92.939 W	52	4.5	0.9	29 NEAR COAST OF CHIAPAS, MEXICO. MD 4.7 (GCG).
10	21	52	46.0	15.459 N	114.835 E	10 G	4.5	1.3	23 SOUTH CHINA SEA
10	21	58	36.0*	14.390 N	93.190 W	45 *	4.2	1.2	20 NEAR COAST OF CHIAPAS, MEXICO
10	21	58	52.9	51.651 N	16.142 E	10 G		0.7	14 POLAND. ML 3.5 (GRF), 3.5 (VIE).
10	22	04	53.2*	51.516 N	16.028 E	10 G		0.4	9 POLAND
10	22	37	24.7	14.463 N	92.698 W	71	4.7	1.0	61 NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG).
10	22	45	08.2*	46.081 N	2.885 E	10 G		0.3	8 FRANCE. ML 1.8 (LDG).
10	23	17	18.5*	14.962 N	92.683 W	33 N	4.3	1.2	13 NEAR COAST OF CHIAPAS, MEXICO
10	23	23	36.1	14.324 N	93.030 W	52	4.8	1.1	81 NEAR COAST OF CHIAPAS, MEXICO
10	23	45	29.9	14.188 N	92.842 W	33 N	4.5	0.4	6 NEAR COAST OF CHIAPAS, MEXICO
11	00	00	09.6?	14.36 N	93.19 W	33 N	4.6	1.6	17 NEAR COAST OF CHIAPAS, MEXICO

11	00	08	15.3%	39.312 N	20.466 E	10 G	0.8	9	GREECE-ALBANIA BORDER REGION. ML 2.6 (THE).
11	00	30	47.9	14.233 N	92.880 W	33 N 4.8	1.3	46	NEAR COAST OF CHIAPAS, MEXICO. MD 4.9 (GCG).
11	01	24	57.2	14.366 N	93.069 W	30 D 5.0 4.8	1.2	74	NEAR COAST OF CHIAPAS, MEXICO. MD 4.5 (GCG).
11	01	43	32.1?	7.46 S	127.79 E	150 ? 4.9	1.1	15	BANDA SEA
11	02	01	08.2%	36.628 N	5.828 W	10 G	0.3	5	STRAIT OF GIBRALTAR. mbLg 2.1 (MDD).
11	02	02	18.9*	8.823 S	106.210 E	33 N 5.0 4.6	1.0	10	SOUTH OF JAWA, INDONESIA
11	02	24	18.4?	14.65 N	92.55 W	33 N 4.2	1.4	15	NEAR COAST OF CHIAPAS, MEXICO. MD 4.4 (GCG).
11	02	52	41.8?	15.33 N	92.57 W	33 N 4.1	1.5	12	MEXICO-GUATEMALA BORDER REGION
11	03	02	42.7?	14.18 N	93.02 W	33 N	0.6	7	NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG).
11	03	10	57.9?	15.16 N	92.61 W	33 N 4.2	0.8	17	MEXICO-GUATEMALA BORDER REGION
11	03	27	42.1	14.370 N	92.549 W	33 N 4.8 4.7	1.0	91	NEAR COAST OF CHIAPAS, MEXICO. MD 5.0 (GCG).
11	03	51	19.9*	13.844 N	93.112 W	33 N 4.3	0.9	9	OFF COAST OF CHIAPAS, MEXICO. MD 4.8 (GCG).
11	04	10	10.7*	14.072 N	93.051 W	33 N 4.5	1.1	30	NEAR COAST OF CHIAPAS, MEXICO
11	04	22	47.7*	21.296 S	178.255 W	295 ? 4.9	1.4	47	FIJI ISLANDS REGION
11	04	24	45.0?	13.22 N	92.09 W	33 N 4.4	1.3	11	OFF COAST OF CHIAPAS, MEXICO
11	04	25	24.7*	14.526 N	92.385 W	33 N 4.4	0.6	13	NEAR COAST OF CHIAPAS, MEXICO
a 11	04	55	33.4	42.003 N	142.581 E	58 D 5.7	0.8	419	HOKKAIDO, JAPAN REGION. Mw 5.5 (HRV). Felt (IV JMA) at Urakawa; (III JMA) at Hiroo; (II JMA) at Kushiro, Muroran, Obihiro, Otaru and Tomakomai. Also felt (II JMA) at Hachinohe and Mutsu, Honshu.
11	05	04	39.1*	13.935 N	93.209 W	33 N 4.4	1.2	17	OFF COAST OF CHIAPAS, MEXICO. MD 4.8 (GCG).
11	05	19	03.7?	38.41 N	20.25 E	10 G	1.3	4	GREECE. MD 3.0 (ATH).
11	05	22	41.2?	53.76 N	164.66 W	33 N 4.2	1.6	8	UNIMAK ISLAND REGION
11	05	23	18.9	14.391 N	92.983 W	33 N 4.9 5.2	1.3	121	NEAR COAST OF CHIAPAS, MEXICO
11	05	44	34.9&	60.075 N	151.501 W	56	45	45	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
11	05	44	38.0&	32.344 N	115.359 W	6 G	5	5	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.6 (PAS).
11	05	58	34.6*	5.502 S	131.123 E	93 * 4.6	0.9	13	BANDA SEA
a 11	06	14	27.7	4.689 S	76.318 W	121 D 5.6	0.8	350	NORTHERN PERU. Mw 5.7 (GS), 5.7 (HRV). Felt (IV) at Moyobamba and Rioja, (III) at Yurimaguas and (II) at Tarapoto.
11	06	36	55.8%	40.394 N	29.294 E	10 G	0.5	6	TURKEY. ML 2.7 (ISK).
11	06	46	39.6?	39.65 N	12.06 W	10 G	0.7	8	NORTH ATLANTIC OCEAN. mbLg 3.3 (MDD).
11	07	22	11.9*	10.263 N	94.060 E	33 N 4.4	1.2	12	ANDAMAN ISLANDS, INDIA
11	07	23	54.8%	39.123 N	27.646 E	10 G	0.4	6	TURKEY. ML 2.8 (ISK).
11	07	29	41.1	39.821 N	23.828 E	5 G	1.0	16	AEGEAN SEA. MD 3.1 (ATH). ML 3.0 (THE).
11	07	49	09.0	14.408 N	92.951 W	33 N	0.6	5	NEAR COAST OF CHIAPAS, MEXICO. MD 4.4 (GCG).
11	08	00	41.2%	42.320 N	18.767 E	10 G	0.2	9	NORTHWESTERN BALKAN REGION
11	08	01	54.0	32.510 S	71.565 W	29 D 5.4 5.6	1.0	125	NEAR COAST OF CENTRAL CHILE. MD 5.0 (SAN). Felt (V) at Quintero, Valparaiso and Vina del Mar, (IV) at La Calera, La Ligua, Los Andes, Quillota, San Antonio and Santiago; (III) at Limache.
11	08	03	39.2?	39.09 N	27.53 E	10 G	0.2	4	TURKEY. ML 2.7 (ISK).
11	08	16	32.3%	39.618 N	29.450 E	10 G	1.1	7	TURKEY. ML 2.6 (ISK).
11	08	21	42.0%	39.666 N	29.447 E	10 G	0.3	5	TURKEY. ML 2.6 (ISK).
11	08	22	58.4?	41.77 N	19.19 E	10 G	1.1	5	ALBANIA. ML 2.4 (TIR).
11	08	31	11.7%	39.166 N	27.443 E	10 G	0.8	5	TURKEY. ML 2.7 (ISK).
11	08	52	19.2%	39.625 N	29.464 E	10 G	1.3	5	TURKEY. ML 2.7 (ISK).
11	08	54	40.7%	39.141 N	27.602 E	10 G	0.5	6	TURKEY. ML 2.8 (ISK).
11	09	02	46.0?	40.67 N	29.20 E	10 G	0.3	4	TURKEY. ML 2.6 (ISK).
11	09	10	29.0*	50.317 N	18.976 E	10 G	0.9	8	POLAND. ML 3.3 (WAR), 3.0 (CLL).
11	09	16	50.7?	6.50 S	129.88 E	129 ?	1.7	8	BANDA SEA
11	09	17	23.3*	14.818 N	92.784 W	33 N 4.4	1.1	20	NEAR COAST OF CHIAPAS, MEXICO
11	09	25	33.2%	39.113 N	27.592 E	10 G	0.4	5	TURKEY. ML 2.7 (ISK).
11	09	32	31.5*	14.065 N	93.000 W	33 N 4.3	1.6	21	NEAR COAST OF CHIAPAS, MEXICO. MD 4.8 (GCG).
11	09	32	38.7%	40.723 N	29.236 E	10 G	1.1	5	TURKEY. ML 2.6 (ISK).
11	09	36	31.2%	40.183 N	28.774 E	10 G	0.6	8	TURKEY. ML 2.6 (ISK).
11	09	45	51.8%	39.185 N	27.559 E	10 G	0.5	7	TURKEY. ML 2.7 (ISK).
11	10	32	57.8?	17.39 S	179.16 W	538 ? 4.7	0.4	10	FIJI ISLANDS REGION
11	10	46	45.2*	53.918 N	165.126 W	33 N 4.1	1.4	27	FOX ISLANDS, ALEUTIAN ISLANDS
11	10	56	32.2?	17.13 S	179.37 W	500 G 4.3	1.0	8	FIJI ISLANDS REGION
11	10	57	00.2?	39.01 N	26.25 E	10 G	0.4	4	TURKEY. ML 3.0 (ISK).
11	12	05	03.2%	39.110 N	27.620 E	10 G	0.4	7	TURKEY. ML 2.7 (ISK).
11	12	29	53.6?	40.37 N	21.68 E	10 G	0.2	4	GREECE
11	12	44	51.9	2.245 N	126.754 E	73 * 5.0	1.1	51	NORTHERN MOLUCCA SEA
11	12	48	47.5%	39.641 N	29.493 E	10 G	1.2	7	TURKEY. ML 2.8 (ISK).
11	13	24	29.4%	26.388 S	27.642 E	5 G	0.7	5	REPUBLIC OF SOUTH AFRICA
11	13	44	33.3	30.563 S	179.690 W	321 4.8	1.4	78	KERMADEC ISLANDS REGION
11	13	57	55.4?	7.40 S	129.52 E	163 ?	1.3	6	BANDA SEA
11	14	47	26.9?	32.38 S	71.86 W	10 G	0.7	9	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
11	14	48	07.8*	51.313 N	15.817 E	10 G	1.1	11	POLAND. ML 3.7 (VIE), 3.7 (GRF), 3.0 (CLL).
11	15	18	00.1?	14.03 N	93.32 W	33 N 4.1	1.4	9	NEAR COAST OF CHIAPAS, MEXICO
11	16	09	58.6*	31.659 S	68.909 W	107 *	0.7	7	SAN JUAN PROVINCE, ARGENTINA
11	16	14	53.2%	36.706 N	7.094 E	10 G	1.4	24	NORTHERN ALGERIA. mbLg 3.9 (MDD).
11	16	19	55.7%	26.390 S	27.392 E	5 G	1.2	6	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
11	16	43	29.3	41.244 N	21.984 E	10 G	1.1	13	NORTHWESTERN BALKAN REGION. ML 2.4 (THE).
11	17	01	55.7%	47.350 N	5.315 E	10 G	0.3	7	FRANCE. ML 1.8 (LDG).
a 11	17	36	46.3	20.113 N	121.446 E	42 D 5.4 5.4	1.1	213	PHILIPPINE ISLANDS REGION. Mw 5.6 (HRV).
11	18	14	02.0	3.805 S	131.345 E	24 D 5.0	1.1	67	IRIAN JAYA REGION, INDONESIA
11	18	42	58.4*	13.977 N	93.189 W	17 D 4.3	1.8	14	OFF COAST OF CHIAPAS, MEXICO. MD 4.4 (GCG).
11	18	56	53.1	10.865 N	62.655 W	124 D 4.9	0.8	174	NEAR COAST OF VENEZUELA. Felt at Carupano, Ciudad Bolivar, El Pilar, Guiria, Puerto Ordaz and Tucupita.
11	19	08	48.1%	42.390 N	19.465 E	10 G	0.6	9	NORTHWESTERN BALKAN REGION
a 11	19	29	42.7	14.375 N	92.312 W	33 N 5.6 5.3	0.9	331	NEAR COAST OF CHIAPAS, MEXICO. Mw 5.7 (HRV). Ms 5.3 (BRK). Felt in the state of Chiapas. Also felt (III) at San Salvador, El Salvador.
11	19	30	17.9	31.880 S	71.445 W	33 N	1.0	15	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
11	20	02	55.3?	14.28 N	92.62 W	33 N 4.4	1.1	11	NEAR COAST OF CHIAPAS, MEXICO. MD 4.0 (GCG).
11	20	10	58.4%	38.063 S	175.448 E	180 G	0.5	15	NORTH ISLAND, NEW ZEALAND
11	20	55	39.8?	14.22 N	93.04 W	33 N 4.1	0.4	7	NEAR COAST OF CHIAPAS, MEXICO
11	21	24	36.2?	45.14 S	166.78 E	10 G	0.5	12	OFF W. COAST OF S. ISLAND, N.Z. ML 3.7 (WEL).
11	22	05	29.4?	32.66 S	178.40 W	33 N 4.4	1.2	7	SOUTH OF KERMADEC ISLANDS
11	22	46	29.6	32.424 S	68.475 W	127 *	1.3	24	MENDOZA PROVINCE, ARGENTINA. MD 4.3 (SAN).

11	22 49 16.6	40.140 N	21.472 E	10 G	1.0	20	GREECE. MD 3.2 (ATH). ML 3.0 (THE).
11	23 05 43.3?	15.03 N	92.92 W	33 N 4.4	1.6	10	MEXICO-GUATEMALA BORDER REGION
a 11	23 29 03.7	28.392 S	176.674 W	39 D 5.3 5.3	1.1	104	KERMADEC ISLANDS REGION. Mw 5.4 (HRV).
12	00 14 35.4*	31.883 S	70.651 W	129 ?	0.8	18	CHILE-ARGENTINA BORDER REGION. MD 4.0 (SAN).
12	01 19 22.1?	40.30 N	28.10 E	10 G	1.4	4	TURKEY. ML 2.7 (ISK).
12	01 50 38.1	42.996 N	17.883 E	5 G	0.8	11	ADRIATIC SEA
12	02 11 11.5*	28.309 S	176.660 W	30 D 4.9 4.9	1.3	36	KERMADEC ISLANDS REGION
a 12	03 22 38.5	13.826 N	90.429 W	68 D 5.4 5.5	1.1	273	NEAR COAST OF GUATEMALA. Mw 6.0 (HRV). MD 6.0 (UPA). Ms 5.2 (BRK). Mo=1.9*10**18 Nm (PPT). Two old houses destroyed at Mejicanos, El Salvador. Felt (IV) at San Salvador, El Salvador. Also felt in Chiapas, Mexico.
12	03 56 22.9*	32.550 S	71.709 W	21 *	1.3	15	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
12	05 08 46.9&	62.201 N	150.817 W	67	73	CENTRAL ALASKA. <AEIC>. ML 3.2 (AEIC), 3.3 (PMR).	
12	05 36 07.8&	37.557 N	2.150 W	10 G	1.1	7	SPAIN. mbLg 2.6 (MDD).
12	06 16 13.0*	7.117 N	73.387 W	150 G 4.3	0.3	5	NORTHERN COLOMBIA
12	06 35 01.5?	1.29 S	100.42 E	48 D 4.8	1.2	12	SOUTHERN SUMATERA, INDONESIA
12	07 29 54.2?	39.10 N	27.49 E	10 G	0.7	4	TURKEY. ML 2.7 (ISK).
12	07 33 15.4?	44.37 N	7.31 E	10 G	0.2	4	NORTHERN ITALY. ML 1.5 (GEN).
12	07 34 17.7	41.030 N	20.059 E	10 G	0.6	7	ALBANIA. ML 2.9 (TIR).
12	07 46 23.3&	39.146 N	27.551 E	10 G	0.3	7	TURKEY. ML 2.7 (ISK).
12	08 03 36.8*	31.239 N	83.599 E	33 N 4.4	1.4	15	XIZANG
a 12	08 22 34.7	29.608 S	177.279 W	33 N 5.6 5.8	1.3	236	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.9 (HRV). Ms 6.0 (BRK). Mo=1.5*10**18 Nm (PPT).
12	08 57 29.3?	39.42 N	29.94 E	10 G	0.0	4	TURKEY. ML 2.7 (ISK).
12	09 14 17.5&	39.111 N	27.558 E	10 G	0.4	7	TURKEY. ML 2.7 (ISK).
12	09 33 33.7*	7.227 S	128.526 E	121 * 4.8	1.0	32	BANDA SEA
12	09 51 07.6&	39.623 N	29.435 E	10 G	1.2	5	TURKEY. ML 2.6 (ISK).
12	09 59 52.1?	39.67 N	29.55 E	10 G	0.8	4	TURKEY. ML 2.7 (ISK).
12	11 04 06.8&	39.686 N	27.938 E	10 G	0.5	5	TURKEY. ML 2.6 (ISK).
12	11 12 36.4&	27.974 S	26.737 E	5 G	0.2	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
12	11 31 38.4*	23.593 S	175.073 W	29 D 5.1 4.7	1.1	37	TONGA ISLANDS REGION
12	11 52 09.9&	39.629 N	29.451 E	10 G	0.9	6	TURKEY. ML 2.8 (ISK).
12	13 15 13.4&	37.009 N	3.655 W	10 G	1.0	9	SPAIN. mbLg 3.0 (MDD).
12	13 35 11.9&	40.326 N	27.831 E	10 G	1.0	5	TURKEY. ML 2.8 (ISK).
12	13 37 25.0?	31.50 S	179.87 E	384 ? 4.1	1.6	15	KERMADEC ISLANDS REGION
12	13 56 20.1*	14.737 N	92.769 W	33 N 4.3	1.4	25	NEAR COAST OF CHIAPAS, MEXICO. MD 4.2 (GCG).
12	14 09 03.7*	14.166 N	92.897 W	33 N 4.3	1.3	33	NEAR COAST OF CHIAPAS, MEXICO
12	14 22 54.9?	31.34 S	68.64 W	100 G	0.5	6	SAN JUAN PROVINCE, ARGENTINA
12	14 23 51.5&	38.015 S	176.302 E	160 G	1.1	24	NORTH ISLAND, NEW ZEALAND
12	14 53 01.7&	39.648 N	29.492 E	10 G	1.2	5	TURKEY. ML 2.7 (ISK).
12	15 07 45.1*	14.007 N	93.224 W	33 N 4.1	1.3	12	NEAR COAST OF CHIAPAS, MEXICO. MD 4.5 (GCG).
12	15 27 20.6*	14.156 N	92.954 W	33 N 4.6	1.4	47	NEAR COAST OF CHIAPAS, MEXICO. MD 4.9 (GCG).
12	15 51 32.2?	20.19 N	96.53 W	33 N	1.2	5	VERACRUZ, MEXICO. Felt in the state of Veracruz.
12	16 05 42.9&	60.346 N	151.861 W	66	81	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.5 (AEIC), 3.5 (PMR).	
12	16 19 38.1*	14.435 N	92.545 W	33 N 4.2	0.8	10	NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG).
12	18 11 53.8?	36.54 N	27.55 E	10 G	0.5	5	DODECANESE ISLANDS
12	18 19 31.9&	38.911 N	22.112 E	24	0.7	9	GREECE. ML 2.5 (THE).
12	19 15 55.6*	12.894 N	144.126 E	33 N 4.0	1.1	6	SOUTH OF MARIANA ISLANDS
12	19 22 10.4*	0.724 N	122.516 E	33 N 4.5	0.9	23	MINAHASSA PENINSULA, SULAWESI
12	20 27 46.8*	20.470 S	178.723 W	494 D 4.6	1.3	76	FIJI ISLANDS REGION
12	21 01 25.3?	30.63 S	68.69 W	100 G	0.3	4	SAN JUAN PROVINCE, ARGENTINA
12	21 22 25.6	62.256 N	151.323 W	101 ?	0.5	11	CENTRAL ALASKA
12	21 27 52.4*	20.836 N	120.751 E	33 N 3.9	0.1	5	PHILIPPINE ISLANDS REGION
12	21 39 42.1&	40.476 N	28.866 E	10 G	0.4	8	TURKEY. ML 2.6 (ISK).
12	21 48 56.5*	15.872 N	119.361 E	33 N 4.6	1.3	9	LUZON, PHILIPPINE ISLANDS
12	21 50 17.8*	46.324 N	12.742 E	10 G	1.0	7	NORTHERN ITALY. MD 2.1 (TRI). ML 2.0 (VIE).
12	22 37 41.2?	67.75 N	20.51 E	10 G	1.3	4	SWEDEN. MD 2.5 (BER).
12	22 50 34.9&	54.382 N	161.591 W	2	4.6	36	ALASKA PENINSULA. <AEIC>.
12	22 58 01.8*	30.463 S	71.927 W	10 G	1.1	17	NEAR COAST OF CENTRAL CHILE. MD 4.3 (SAN).
12	23 13 39.0?	44.19 N	11.27 E	10 G	0.4	7	NORTHERN ITALY. ML 2.8 (LDG).
12	23 15 54.5?	28.59 N	34.58 E	23 * 3.4	1.4	8	EGYPT
12	23 46 51.0	37.034 N	22.831 E	10 G 4.3	1.4	74	SOUTHERN GREECE. MD 4.0 (ATH). ML 4.0 (TIR). Felt at Sparti.
13	00 24 00.4&	60.316 N	149.921 W	50	67	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.0 (AEIC), 3.1 (PMR).	
13	00 24 20.5	43.085 N	141.286 E	161 4.6	1.1	54	HOKKAIDO, JAPAN REGION
13	01 07 51.5	38.914 N	21.257 E	10 G	1.2	16	GREECE. MD 3.2 (ATH). ML 3.1 (THE).
13	01 23 16.3&	59.233 N	153.798 W	111	30	SOUTHERN ALASKA. <AEIC>.	
13	01 24 56.7?	17.48 N	95.24 W	33 N	1.6	7	OAXACA, MEXICO
13	01 53 00.1	40.244 N	35.252 E	10 G 3.8	1.0	28	TURKEY. ML 4.2 (ISK). Felt at Amasya.
13	02 07 24.1*	32.321 N	49.620 E	33 N 3.9	1.5	9	WESTERN IRAN
13	02 15 42.0?	24.39 S	67.46 W	200 G	1.5	8	CHILE-ARGENTINA BORDER REGION
13	02 49 47.1?	38.79 N	27.68 E	10 G	0.3	4	TURKEY. ML 2.7 (ISK).
13	03 04 53.8*	31.033 N	83.676 E	16 D 4.7	1.6	29	XIZANG
13	03 20 39.3	35.812 N	4.681 W	33 N	1.4	31	STRAIT OF GIBRALTAR. mbLg 3.3 (MDD). MD 3.2 (RBA).
13	04 41 14.6	1.461 N	97.536 E	36 D 5.2 4.6	1.1	99	NORTHERN SUMATERA, INDONESIA
a 13	05 22 07.1	6.072 S	149.908 E	30 D 5.3 5.4	1.2	97	NEW BRITAIN REGION, P.N.G. Mw 5.7 (HRV). ML 5.8 (PMG). Ms 5.6 (BRK).
13	05 25 10.5	66.290 N	6.017 E	10 G	0.6	14	NORWEGIAN SEA. MD 3.9 (BER).
13	05 49 58.0&	40.512 N	23.489 E	10 G	0.3	8	GREECE. ML 2.3 (THE).
13	05 51 25.5&	38.153 S	176.319 E	150 G	1.2	21	NORTH ISLAND, NEW ZEALAND
13	05 56 31.8&	62.154 N	153.096 W	0	31	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).	
13	06 35 35.8*	6.115 S	149.680 E	33 N 4.3	1.3	8	NEW BRITAIN REGION, P.N.G. ML 4.7 (PMG).
13	07 01 50.3*	40.749 N	19.978 E	10 G	1.7	9	ALBANIA. ML 2.7 (THE).
13	07 08 36.5&	39.225 N	27.764 E	10 G	0.8	7	TURKEY. ML 2.6 (ISK).
13	07 56 14.7&	39.134 N	27.610 E	10 G	0.5	8	TURKEY. ML 2.8 (ISK).
13	08 05 52.1&	39.088 N	27.598 E	10 G	0.5	5	TURKEY. ML 2.7 (ISK).
13	08 08 44.6&	39.100 N	27.563 E	10 G	0.7	7	TURKEY. ML 2.8 (ISK).
13	08 11 38.0?	32.35 S	177.22 E	33 N 4.8	1.3	9	NORTH OF NEW ZEALAND
13	08 52 37.2*	46.119 N	12.386 E	10 G	1.2	13	NORTHERN ITALY. ML 3.4 (FUR), 3.3 (VIE). MD 3.0 (LJU).
13	09 17 25.0*	13.885 N	92.970 W	33 N 4.3	1.1	19	OFF COAST OF CHIAPAS, MEXICO. MD 4.7 (GCG).
13	10 17 46.6*	18.220 S	67.006 W	301 ?	0.4	8	CENTRAL BOLIVIA

13	10 18 15.7*	39.583 N	29.380 E	10 G		0.6	5	TURKEY. ML 2.9 (ISK).
13	10 37 16.2*	30.074 S	177.193 W	40 D	4.6 4.6	1.5	14	KERMADEC ISLANDS, NEW ZEALAND
13	11 08 56.3*	29.866 S	179.039 W	341 *	3.8	1.2	21	KERMADEC ISLANDS REGION
13	11 33 41.9*	39.64 N	29.48 E	10 G		0.2	4	TURKEY. ML 2.7 (ISK).
f 13	12 37 51.9	29.492 S	177.136 W	20 G	5.8 6.2	1.3	233	KERMADEC ISLANDS, NEW ZEALAND. Mw 6.3 (GS), 6.3 (HRV). Ms 6.3 (BRK). Mo=3.8*10**18 Nm (PPT). Felt (IV) on Raoul Island. Depth from broadband displacement seismograms.
13	13 07 40.3?	47.05 N	10.65 E	10 G		0.0	4	AUSTRIA. ML 1.7 (VIE).
13	13 13 06.2*	29.982 S	177.125 W	33 N	4.9	1.6	20	KERMADEC ISLANDS, NEW ZEALAND
13	13 14 25.2*	29.840 S	177.043 W	33 N	5.3	1.6	49	KERMADEC ISLANDS, NEW ZEALAND
13	13 44 25.9*	39.109 N	27.623 E	10 G		0.5	7	TURKEY. ML 2.8 (ISK).
13	14 03 21.0	29.499 S	177.078 W	30 D	5.2 5.6	1.3	76	KERMADEC ISLANDS, NEW ZEALAND
13	14 04 48.1?	39.70 N	29.53 E	10 G		0.3	4	TURKEY. ML 2.6 (ISK).
13	14 09 25.8*	39.223 N	27.761 E	10 G		0.1	7	TURKEY
13	14 11 18.5	29.692 S	177.108 W	33 N	5.5 5.5	1.3	112	KERMADEC ISLANDS, NEW ZEALAND. Felt (II) on Raoul Island.
13	14 30 46.4*	29.704 S	176.838 W	33 N	4.9	1.3	13	KERMADEC ISLANDS REGION
13	14 35 06.9?	29.64 S	177.24 W	33 N	4.4	1.3	7	KERMADEC ISLANDS, NEW ZEALAND
13	14 40 19.7*	31.480 S	68.587 W	100 G		0.8	7	SAN JUAN PROVINCE, ARGENTINA
13	14 41 14.3?	30.03 S	177.76 W	33 N	4.6	1.6	4	KERMADEC ISLANDS, NEW ZEALAND
13	16 06 09.0*	39.250 N	27.696 E	10 G		0.6	5	TURKEY. ML 2.7 (ISK).
13	16 20 51.5*	45.158 S	166.656 E	33 N		0.7	13	OFF W. COAST OF S. ISLAND, N.Z. ML 3.7 (WEL).
13	16 33 54.8*	41.664 N	19.842 E	10 G		0.6	5	ALBANIA. ML 2.2 (TIR).
13	16 45 42.2*	29.730 S	177.100 W	33 N	5.0 4.8	1.6	31	KERMADEC ISLANDS, NEW ZEALAND
a 13	18 44 37.1	5.575 S	154.163 E	52 D	5.3	1.0	140	SOLOMON ISLANDS. Mw 5.2 (HRV).
13	18 45 17.2?	32.45 S	72.32 W	33 N		1.2	8	OFF COAST OF CENTRAL CHILE
13	19 09 44.8	40.151 N	24.872 E	10 G	4.2	1.1	94	AEGEAN SEA. ML 4.7 (ISK), 4.5 (TIR), 4.3 (THE). MD 4.5 (ATH). Felt on the Khalkidhiki Peninsula and on Limnos, Greece.
13	19 37 09.9*	10.041 N	94.110 E	33 N	3.9	1.1	7	ANDAMAN ISLANDS, INDIA
13	20 05 48.0*	10.284 N	94.093 E	33 N	4.4	1.5	13	ANDAMAN ISLANDS, INDIA
a 13	20 10 13.8	23.407 S	176.649 W	92 D	5.3	1.2	78	SOUTH OF FIJI ISLANDS. Mw 5.2 (HRV).
13	20 21 53.0*	29.731 S	177.110 W	33 N	4.9 4.4	1.7	19	KERMADEC ISLANDS, NEW ZEALAND
13	20 33 37.8	40.120 N	24.779 E	10 G		1.5	17	AEGEAN SEA. MD 3.0 (ATH). ML 2.4 (THE).
13	20 34 40.4*	41.684 N	24.076 E	10 G		1.0	7	GREECE-BULGARIA BORDER REGION. ML 2.7 (THE).
a 13	20 57 27.2	29.745 S	177.155 W	33 N	4.9 5.0	1.3	38	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.3 (HRV). Felt (III) on Raoul Island.
13	21 32 44.0*	14.069 N	93.034 W	33 N	4.1	1.6	12	NEAR COAST OF CHIAPAS, MEXICO. MD 4.5 (GCG).
13	21 40 28.3*	14.156 N	93.150 W	33 N		0.9	11	NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG).
a 13	21 52 01.4	10.315 S	161.953 E	17 D	5.3 4.9	1.0	110	SOLOMON ISLANDS. Mw 5.4 (HRV).
13	22 45 59.5	32.936 N	33.982 E	10 G	4.3	1.3	25	EASTERN MEDITERRANEAN SEA. ML 4.0 (CSS), 3.7 (BHL).
13	22 55 41.5	40.160 N	24.850 E	10 G		1.0	25	AEGEAN SEA. ML 3.4 (THE).
a 13	22 58 13.8	11.242 N	86.321 W	33 N	5.3 5.6	1.3	157	NEAR COAST OF NICARAGUA. Mw 5.8 (HRV). ML 5.8 (APY). Mo=5.8*10**17 Nm (PPT). Felt (IV) in Carazo and Rivas Departments; (III) in Chinandega, Leon, Managua and Masaya Departments.
13	23 12 16.0	39.337 N	21.904 E	10 G		0.9	12	GREECE. MD 3.1 (ATH). ML 2.8 (THE).
14	00 20 17.9?	5.46 S	133.76 E	33 N		1.1	6	ARU ISLANDS REGION, INDONESIA
14	00 32 06.1?	18.14 S	176.54 W	33 N	4.7	1.5	10	FIJI ISLANDS REGION
14	00 59 35.0?	6.58 S	147.93 E	33 N	4.6	1.2	11	EASTERN NEW GUINEA REG., P.N.G. ML 4.5 (PMG).
14	01 08 04.3	29.592 S	176.913 W	33 N	4.7	1.1	7	KERMADEC ISLANDS REGION. Felt (III) on Raoul Island.
a 14	01 23 07.7	29.598 S	177.042 W	33 D	5.4 5.7	1.4	132	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.9 (HRV). Ms 5.7 (BRK). Mo=1.1*10**18 Nm (PPT). Felt (III) on Raoul Island.
14	01 34 15.7	0.582 N	126.765 E	42 *	5.0 5.2	1.3	31	NORTHERN MOLUCCA SEA
14	01 43 24.4	29.794 S	177.095 W	43 D	5.3 5.7	1.5	79	KERMADEC ISLANDS, NEW ZEALAND. Felt (III) on Raoul Island.
14	02 01 09.0?	29.59 S	176.62 W	33 N	4.2	1.5	6	KERMADEC ISLANDS REGION
14	02 11 20.0?	14.50 N	93.21 W	33 N	4.3	1.5	14	NEAR COAST OF CHIAPAS, MEXICO
14	03 22 22.9*	40.046 N	24.874 E	10 G		0.3	9	AEGEAN SEA. ML 2.6 (THE).
14	03 38 33.5*	6.794 N	72.981 W	170 *		1.3	10	NORTHERN COLOMBIA
a 14	03 59 27.8	14.231 N	93.114 W	31 D	5.1 5.1	1.1	109	NEAR COAST OF CHIAPAS, MEXICO. Mw 5.6 (HRV). Ms 5.1 (BRK).
14	04 29 13.5*	34.383 N	116.455 W	2			16	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.2 (GS).
14	04 50 10.6	33.778 N	137.265 E	333	4.5	0.8	41	NEAR S. COAST OF HONSHU, JAPAN
14	04 57 26.3?	51.27 N	15.69 E	10 G		1.7	7	POLAND. ML 3.6 (VIE).
14	05 21 12.5*	14.410 N	53.566 E	10 G	4.7 4.3	1.5	22	ARABIAN SEA
14	05 33 42.0*	13.905 N	93.215 W	33 N		0.9	16	OFF COAST OF CHIAPAS, MEXICO
14	05 51 35.8*	41.132 N	28.734 E	10 G		0.7	5	TURKEY. ML 2.7 (ISK).
14	06 01 19.4?	29.80 S	177.31 W	33 N	4.2	1.1	8	KERMADEC ISLANDS, NEW ZEALAND
14	07 02 46.6	38.742 N	27.405 E	10 G		0.8	7	TURKEY. ML 3.1 (ISK).
14	07 10 47.6?	28.50 S	177.20 W	33 N	4.2	1.0	5	KERMADEC ISLANDS REGION
14	07 24 29.4?	29.66 S	177.19 W	33 N	4.4	1.2	11	KERMADEC ISLANDS, NEW ZEALAND
14	07 32 07.6*	39.119 N	27.590 E	10 G		0.7	6	TURKEY. ML 2.8 (ISK).
14	08 13 12.6	49.149 N	6.874 E	10 G		0.8	9	GERMANY. ML 2.5 (STR), 2.3 (UCC).
14	08 18 57.7*	34.016 N	116.318 W	3			13	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS), 3.2 (GS).
14	08 20 59.4?	21.38 S	66.61 W	227 ?		0.7	6	SOUTHERN BOLIVIA
14	08 52 38.5?	26.42 S	27.52 E	5 G		0.1	4	REPUBLIC OF SOUTH AFRICA. ML 2.1 (PRE).
14	09 02 23.2*	39.336 N	27.668 E	10 G		0.5	7	TURKEY. ML 2.7 (ISK).
14	09 03 48.6?	39.90 N	29.31 E	10 G		1.3	4	TURKEY. ML 2.7 (ISK).
14	09 08 25.3*	39.655 N	29.449 E	10 G		1.2	5	TURKEY. ML 2.8 (ISK).
14	09 42 10.9*	39.082 N	27.538 E	10 G		0.3	6	TURKEY. ML 2.6 (ISK).
14	09 51 59.4	41.137 N	28.496 E	5 G		0.6	9	TURKEY. ML 2.8 (ISK).
14	10 05 04.7?	1.72 S	13.41 W	10 G	4.8	0.6	9	NORTH OF ASCENSION ISLAND
14	10 05 23.2*	65.390 N	148.136 W	15			13	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
14	10 13 29.0?	24.65 N	141.54 E	33 N	4.7	0.9	10	VOLCANO ISLANDS REGION
14	10 34 55.3*	26.375 S	27.332 E	5 G		0.7	6	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
14	11 10 00.9*	39.106 N	27.608 E	10 G		0.2	6	TURKEY. ML 2.7 (ISK).
14	11 16 35.8*	39.639 N	29.475 E	10 G		0.5	9	TURKEY. ML 2.8 (ISK).
14	11 26 34.5?	13.63 N	144.94 E	33 N	4.7	1.0	16	MARIANA ISLANDS. Felt (IV) on Guam.
14	11 28 23.1*	28.852 S	67.569 W	150 G		0.2	7	LA RIOJA PROVINCE, ARGENTINA
14	11 56 40.1*	20.720 S	178.480 W	550 G	4.7	1.6	32	FIJI ISLANDS REGION

a 14	12 17 02.6	29.724 S	177.157 W	35 D	5.3 5.2	1.3	86	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.4 (HRV). Ms 5.1 (BRK). Felt (III) on Raoul Island.
14	12 45 31.9*	14.097 N	92.757 W	33 N	4.7	1.2	45	NEAR COAST OF CHIAPAS, MEXICO
14	13 10 41.6?	42.37 N	139.26 E	33 N		1.0	5	HOKKAIDO, JAPAN REGION
14	13 16 59.7?	31.72 S	68.38 W	10 G		0.7	4	SAN JUAN PROVINCE, ARGENTINA
14	13 20 40.5	14.272 N	93.092 W	33 N	4.7	1.3	51	NEAR COAST OF CHIAPAS, MEXICO. MD 4.8 (GCG).
14	13 22 45.5*	37.393 N	28.343 E	10 G		1.0	5	TURKEY
14	14 00 28.7*	11.012 N	59.132 W	33 N	4.5	1.1	21	NORTH ATLANTIC OCEAN. MD 4.2 (TRN).
14	14 18 30.2?	14.04 N	93.12 W	33 N	4.1	1.6	8	NEAR COAST OF CHIAPAS, MEXICO
14	14 23 13.2*	31.704 S	68.663 W	100 G		0.6	7	SAN JUAN PROVINCE, ARGENTINA
14	14 24 44.2*	40.401 N	27.479 E	10 G		0.4	6	TURKEY. ML 2.6 (ISK).
14	14 32 29.9	40.122 N	24.871 E	10 G	4.2	1.1	79	AEGEAN SEA. ML 4.3 (THE), 4.3 (ISK), 4.3 (TIR). MD 4.3 (ATH). Felt on Limnos, Greece.
14	14 46 56.3	39.558 N	22.788 E	10 G		0.6	10	GREECE. ML 2.5 (THE).
14	14 49 03.6*	34.383 N	116.459 W	1			14	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.3 (GS). Felt in the Landers-Yucca Valley area.
14	15 38 53.3	39.615 N	20.358 E	10 G		1.4	17	GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH). ML 3.1 (THE), 2.8 (TIR).
14	16 09 33.6*	31.285 S	68.144 W	100 G		0.4	5	SAN JUAN PROVINCE, ARGENTINA
14	16 11 12.1	40.350 N	25.839 E	10 G		0.9	25	AEGEAN SEA. ML 3.6 (THE), 3.0 (ISK).
14	16 24 09.5?	29.48 S	176.82 W	33 N	4.7	1.0	6	KERMADEC ISLANDS REGION
14	16 37 14.7	9.795 N	126.473 E	27 D	4.7	1.3	35	MINDANAO, PHILIPPINE ISLANDS
14	17 12 50.6*	36.999 S	176.083 E	250 G		0.6	14	OFF E. COAST OF N. ISLAND, N.Z.
14	17 20 01.7*	26.353 S	27.459 E	5 G		0.6	5	REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).
a 14	17 20 42.0?	29.38 S	177.08 W	24 D	5.3 5.2	1.4	77	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.5 (HRV). Ms 5.2 (BRK).
14	17 31 45.5*	37.345 N	20.868 E	10 G		1.0	17	IONIAN SEA. MD 3.6 (ATH). ML 3.4 (THE).
14	19 16 46.5*	37.647 N	118.887 W	8			11	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM).
14	20 06 19.8?	9.71 N	126.52 E	33 N		1.2	4	MINDANAO, PHILIPPINE ISLANDS
14	20 29 40.3?	44.59 S	167.44 E	33 N	3.3	1.0	5	SOUTH ISLAND, NEW ZEALAND. ML 4.1 (WEL).
14	20 54 00.6?	36.20 N	4.51 W	33 N		1.1	5	STRAIT OF GIBRALTAR. mbLg 2.7 (MDD).
14	20 54 27.6*	29.677 S	177.155 W	33 N	4.9	1.1	13	KERMADEC ISLANDS, NEW ZEALAND. Felt (II) on Raoul Island.
14	21 04 58.0?	51.16 N	15.82 E	10 G		0.4	4	POLAND
14	21 06 03.3*	29.564 S	176.999 W	33 N	4.8	1.6	18	KERMADEC ISLANDS REGION
14	21 16 28.8*	18.745 N	66.788 W	10 G		1.1	7	PUERTO RICO REGION
14	23 47 03.4	49.164 N	6.889 E	10 G		1.2	17	GERMANY. ML 2.7 (UCC).
14	23 53 52.6?	10.15 N	126.48 E	33 N		0.9	4	PHILIPPINE ISLANDS REGION
a 15	00 45 57.9	29.496 S	177.286 W	33 N	5.2 5.4	1.4	92	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.7 (HRV). Ms 5.5 (BRK). Mo=4.9*10**17 Nm (PPT).
15	00 51 58.4*	14.016 N	93.151 W	25 D	4.5	1.3	31	NEAR COAST OF CHIAPAS, MEXICO
15	01 08 50.9*	29.547 S	177.231 W	33 N	5.1	1.3	22	KERMADEC ISLANDS, NEW ZEALAND
15	01 12 59.3*	37.175 N	121.574 W	2			11	CENTRAL CALIFORNIA. <GM-P>. MD 2.6 (GM).
15	01 15 05.9	40.092 N	24.793 E	10 G		0.9	15	AEGEAN SEA. ML 3.2 (THE).
15	01 32 58.6*	13.985 N	144.128 E	33 N	4.3	0.8	10	MARIANA ISLANDS
15	01 45 50.0?	29.41 S	177.32 W	33 N	4.7	1.1	10	KERMADEC ISLANDS, NEW ZEALAND
15	01 57 25.8?	38.73 N	26.31 E	10 G		1.5	7	AEGEAN SEA. ML 3.1 (ISK).
15	02 11 24.2*	30.642 N	41.881 W	10 G	4.6 4.8	0.8	29	NORTHERN MID-ATLANTIC RIDGE
15	02 28 17.8*	14.052 N	93.079 W	33 N	4.2	1.4	16	NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG).
a 15	02 30 40.2	29.653 S	177.243 W	28 D	5.4 5.3	1.2	131	KERMADEC ISLANDS, NEW ZEALAND. Mw 5.6 (HRV). Ms 5.4 (BRK). Mo=5.5*10**17 Nm (PPT). Felt (II) on Raoul Island.
15	02 39 35.0?	29.48 S	177.37 W	33 N	4.5	1.3	7	KERMADEC ISLANDS, NEW ZEALAND
15	03 03 26.0?	0.56 N	126.64 E	77 ?		0.5	5	NORTHERN MOLUCCA SEA
15	03 10 54.9?	29.65 S	177.21 W	33 N	4.3	1.0	8	KERMADEC ISLANDS, NEW ZEALAND
15	04 20 04.2	44.217 N	6.140 E	10 G		0.8	12	FRANCE. ML 2.2 (LDG), 1.7 (STR).
15	04 20 45.1*	14.081 N	92.773 W	33 N	3.9	1.4	15	NEAR COAST OF CHIAPAS, MEXICO
15	05 40 56.8	28.198 S	177.440 W	61 D	5.4	1.1	124	KERMADEC ISLANDS REGION. Felt (IV) on Raoul Island.
15	05 47 55.1	56.040 N	157.444 W	87	4.5	1.0	61	ALASKA PENINSULA. Felt (IV) at Perryville and (II) at Chignik Lagoon.
15	05 53 25.8?	29.63 S	177.11 W	33 N	4.3	1.2	6	KERMADEC ISLANDS, NEW ZEALAND
15	06 18 22.3*	6.111 S	148.123 E	33 N	4.4	1.7	8	NEW BRITAIN REGION, P.N.G. ML 4.3 (PMG).
15	06 52 55.0*	6.039 S	127.630 E	402 *	4.4	0.9	14	BANDA SEA
15	07 45 24.5*	39.131 N	27.600 E	5 G		0.7	5	TURKEY. ML 2.7 (ISK).
15	07 53 20.2?	68.34 N	19.80 E	10 G		0.8	4	NORTHERN NORWAY. MD 2.6 (BER).
15	08 01 25.3*	39.133 N	27.334 E	10 G		0.8	5	TURKEY. ML 2.7 (ISK).
15	08 01 58.9*	29.320 S	70.929 W	147 ?		0.8	9	CENTRAL CHILE
15	08 03 00.8?	39.10 N	27.49 E	10 G		0.5	4	TURKEY. ML 2.6 (ISK).
15	08 28 20.5?	39.67 N	29.46 E	10 G		0.8	4	TURKEY. ML 2.6 (ISK).
15	08 48 47.5*	39.128 N	27.600 E	10 G		0.6	7	TURKEY. ML 2.7 (ISK).
15	09 04 19.8	38.266 N	28.127 E	10 G		1.1	9	TURKEY. ML 3.0 (ISK).
15	09 58 34.7*	60.599 N	4.481 E	10 G		1.3	8	SOUTHERN NORWAY. MD 2.1 (BER).
15	10 01 00.8*	31.263 S	67.856 W	33 N		1.6	6	SAN JUAN PROVINCE, ARGENTINA
15	10 29 51.5*	38.440 S	175.948 E	150 G		0.8	17	NORTH ISLAND, NEW ZEALAND
15	11 04 24.8?	39.22 N	27.71 E	10 G		0.3	4	TURKEY. ML 2.6 (ISK).
15	11 13 23.3*	39.626 N	29.380 E	10 G		0.3	5	TURKEY. ML 2.8 (ISK).
15	11 23 07.3*	37.646 N	118.888 W	8			14	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.7 (GM).
15	11 28 07.6*	7.163 N	127.176 E	33 N	3.9	0.8	9	PHILIPPINE ISLANDS REGION
15	11 32 27.6*	39.628 N	29.476 E	10 G		1.1	8	TURKEY. ML 2.8 (ISK).
15	11 34 50.2	41.838 N	127.169 W	10 G	3.5	0.6	46	OFF COAST OF NORTHERN CALIFORNIA
15	11 41 18.5?	39.61 N	29.49 E	10 G		0.4	4	TURKEY. ML 2.7 (ISK).
15	11 44 26.8	12.173 S	166.717 E	138 D	5.0	1.0	60	SANTA CRUZ ISLANDS
15	11 55 57.4*	39.150 N	27.538 E	10 G		0.5	6	TURKEY. ML 2.7 (ISK).
15	11 56 53.3	41.020 N	20.089 E	10 G		1.5	22	ALBANIA. ML 2.8 (THE), 2.7 (TIR).
15	12 16 02.4*	42.605 N	24.121 E	10 G		1.6	8	BULGARIA. ML 3.1 (THE).
15	12 18 43.8*	39.144 N	27.611 E	10 G		0.8	6	TURKEY. ML 2.7 (ISK).
15	12 22 28.0*	39.317 N	122.779 W	14			32	NORTHERN CALIFORNIA. <GM-P>. MD 3.0 (GM).
15	12 33 51.5?	50.25 N	18.96 E	10 G		0.4	4	POLAND. ML 2.7 (WAR).
15	12 59 28.0*	39.665 N	29.461 E	10 G		0.5	6	TURKEY. ML 2.8 (ISK).
15	13 09 56.1?	7.42 S	129.21 E	173 ?		1.2	5	BANDA SEA
15	13 22 13.7?	58.18 N	6.35 E	10 G		0.8	5	SOUTHERN NORWAY. MD 2.3 (BER).
15	14 04 21.4*	26.834 S	26.708 E	5 G		0.7	6	REPUBLIC OF SOUTH AFRICA. ML 2.4 (PRE).
15	14 06 09.5?	40.95 N	24.31 E	10 G		1.0	4	AEGEAN SEA

15	14	58	56.2%	34.186	S	70.855	W	90	G	0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).		
15	15	02	48.4?	39.13	N	27.46	E	10	G	0.2	4	TURKEY. ML 2.6 (ISK).		
15	15	08	13.4*	33.322	N	75.740	E	33	N	5.0	118	EASTERN KASHMIR		
15	15	29	42.9*	23.154	S	68.493	W	101	D	4.5	1.6	21	NORTHERN CHILE	
15	15	31	25.1*	66.963	N	20.976	E	10	G	0.4	6	SWEDEN. MD 3.2 (BER).		
15	15	39	50.6*	14.164	N	92.805	W	27	D	4.6	1.4	26	NEAR COAST OF CHIAPAS, MEXICO	
15	15	54	24.6	42.829	N	2.044	E	10	G	0.4	8	PYRENEES. ML 2.8 (LDG).		
15	16	29	51.7?	14.02	N	92.91	W	33	N	3.8	0.9	10	NEAR COAST OF CHIAPAS, MEXICO	
15	16	49	49.2	38.341	N	28.106	E	10	G	0.4	8	TURKEY. ML 2.9 (ISK).		
15	16	54	37.5%	40.586	N	23.577	E	10	G	0.3	7	GREECE. ML 2.3 (THE).		
15	17	19	26.8?	31.73	S	69.13	W	100	G	0.4	4	SAN JUAN PROVINCE, ARGENTINA		
15	17	35	17.5?	29.88	S	177.44	W	33	N	4.1	1.6	6	KERMADEC ISLANDS, NEW ZEALAND	
15	17	40	51.4%	60.199	N	153.099	W	126			53	SOUTHERN ALASKA. <AEIC>.		
15	18	01	18.4%	33.139	S	70.273	W	10	G	0.2	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).		
15	18	56	12.2%	61.327	N	151.389	W	67			66	SOUTHERN ALASKA. <AEIC>. ML 3.0 (AEIC), 2.8 (PMR).		
15	20	11	40.5	22.198	S	68.395	W	114	D	4.9	1.1	60	NORTHERN CHILE. Felt at Calama.	
15	21	00	39.2?	36.22	N	0.94	W	10	G	0.7	5	WESTERN MEDITERRANEAN SEA. mbLg 2.7 (MDD).		
15	21	21	37.8	38.297	N	28.116	E	10	G	0.7	12	TURKEY. ML 3.1 (ISK).		
15	21	27	12.6?	6.33	S	130.72	E	159	?	4.5	1.1	11	BANDA SEA	
15	21	47	58.9%	60.463	N	152.816	W	153			52	SOUTHERN ALASKA. <AEIC>.		
15	22	10	40.4*	6.777	N	82.244	W	33	N	4.4	1.0	9	SOUTH OF PANAMA. MD 4.4 (UPA).	
15	22	43	35.6	34.986	N	12.414	E	10	G	4.2	1.2	75	CENTRAL MEDITERRANEAN SEA	
15	22	46	47.1%	31.564	S	68.673	W	10	G	1.6	5	SAN JUAN PROVINCE, ARGENTINA		
15	23	56	27.5	57.792	N	138.624	W	10	G	0.9	33	OFF COAST OF SOUTHEASTERN ALASKA. ML 3.7 (AEIC), 3.8 (PMR).		
a	16	00	59	26.4	44.533	N	149.036	E	33	N	5.8 5.1	0.9	464	KURIL ISLANDS. Mw 5.5 (GS), 5.5 (HRV).
	16	02	15	45.2*	21.371	S	66.414	W	220	G		0.7	6	SOUTHERN BOLIVIA
	16	02	51	18.0?	45.00	N	6.70	E	10	G		0.4	4	FRANCE. ML 1.8 (GEN).
	16	02	59	44.9*	22.104	S	68.739	W	120	G		0.6	7	NORTHERN CHILE
	16	03	51	17.1?	11.84	N	88.06	W	33	N	4.4	1.1	16	OFF COAST OF CENTRAL AMERICA. MD 4.5 (GCG).
	16	03	52	20.7	18.320	N	146.815	E	33	N	4.8	1.2	26	MARIANA ISLANDS
	16	05	17	37.2*	35.057	N	26.725	E	68	*	4.1	1.3	13	CRETE. MD 3.9 (ATH).
	16	05	28	07.6?	29.30	S	176.98	W	33	N	4.9 4.7	1.2	11	KERMADEC ISLANDS REGION
	16	05	50	36.3*	29.572	S	177.144	W	33	N	4.5	1.2	13	KERMADEC ISLANDS, NEW ZEALAND
	16	06	07	25.1?	30.64	S	72.35	W	33	N		0.8	6	OFF COAST OF CENTRAL CHILE
	16	06	36	20.2*	14.133	N	92.953	W	33	N	4.4	1.4	38	NEAR COAST OF CHIAPAS, MEXICO
	16	06	41	32.8?	36.89	S	176.97	E	282	?	3.9	0.7	15	OFF E. COAST OF N. ISLAND, N.Z.
a	16	06	51	34.1	25.348	S	179.849	E	502	D	5.0	1.1	78	SOUTH OF FIJI ISLANDS. Mw 5.3 (HRV).
	16	07	15	32.3%	39.079	N	27.699	E	10	G		0.1	5	TURKEY. ML 2.7 (ISK).
	16	07	19	18.1*	43.334	N	128.391	W	10	G		0.5	44	OFF COAST OF OREGON
	16	07	23	08.9%	39.998	N	0.623	W	10	G		1.6	6	SPAIN. mbLg 3.2 (MDD).
	16	07	44	57.6%	39.127	N	27.654	E	10	G		0.5	7	TURKEY. ML 2.8 (ISK).
	16	08	52	42.2	21.416	S	67.047	W	214	*	4.4	1.2	22	CHILE-BOLIVIA BORDER REGION
	16	09	30	36.5?	31.19	S	68.33	W	100	G		0.5	5	SAN JUAN PROVINCE, ARGENTINA
	16	09	34	36.7%	39.657	N	29.494	E	10	G		0.6	6	TURKEY. ML 2.8 (ISK).
	16	09	46	51.1?	29.82	S	178.21	W	33	N	5.0	1.7	12	KERMADEC ISLANDS, NEW ZEALAND
	16	09	49	59.0%	59.878	N	153.519	W	132				53	SOUTHERN ALASKA. <AEIC>.
	16	09	54	23.8%	58.202	N	151.687	W	3				58	KODIAK ISLAND REGION. <AEIC>. ML 4.0 (AEIC), 4.3 (PMR).
	16	10	03	08.1?	43.83	N	7.10	E	10	G		0.3	5	NEAR SOUTH COAST OF FRANCE
	16	10	21	59.9*	29.874	S	177.244	W	33	N	4.5 4.3	1.3	15	KERMADEC ISLANDS, NEW ZEALAND
	16	10	27	44.2	38.521	N	28.711	E	10	G		1.1	7	TURKEY. ML 2.9 (ISK).
	16	10	37	59.6%	58.200	N	151.668	W	1				30	KODIAK ISLAND REGION. <AEIC>. ML 2.5 (AEIC), 3.3 (PMR).
	16	10	41	48.1%	39.147	N	27.608	E	10	G		0.6	7	TURKEY. ML 2.8 (ISK).
	16	10	47	37.3*	13.745	N	92.861	W	33	N	4.3	1.6	18	OFF COAST OF CHIAPAS, MEXICO. MD 4.9 (GCG).
	16	10	55	40.2%	44.463	N	7.675	E	10	G		0.2	7	NORTHERN ITALY. ML 2.0 (GEN).
	16	11	08	42.3?	14.02	N	92.88	W	33	N	4.1	1.6	7	NEAR COAST OF CHIAPAS, MEXICO
	16	11	46	23.1?	26.07	S	27.69	E	5	G		1.5	4	REPUBLIC OF SOUTH AFRICA
	16	11	58	26.5%	31.382	S	68.576	W	100	G		0.8	6	SAN JUAN PROVINCE, ARGENTINA
	16	11	58	37.5	43.767	N	148.117	E	33	D	4.8	1.1	52	EAST OF KURIL ISLANDS
	16	12	16	04.1%	39.699	N	29.488	E	10	G		0.5	6	TURKEY. ML 2.9 (ISK).
	16	12	34	41.4?	4.39	N	125.37	E	169	*	4.8	1.3	23	TALAUD ISLANDS, INDONESIA
	16	12	38	25.2?	40.91	N	28.40	E	10	G		1.5	4	TURKEY. ML 2.8 (ISK).
	16	12	42	01.8%	48.448	S	176.001	E	120	G		1.3	27	NORTH ISLAND, NEW ZEALAND
	16	12	43	55.3%	39.260	N	27.712	E	10	G		1.0	5	TURKEY. ML 2.7 (ISK).
	16	12	46	18.3	40.445	N	26.358	E	10	G		1.2	9	TURKEY. ML 2.9 (ISK).
	16	13	13	00.8%	60.078	N	153.204	W	123				51	SOUTHERN ALASKA. <AEIC>.
	16	13	48	32.6	44.871	N	7.217	E	10	G		1.0	17	NORTHERN ITALY. ML 2.7 (LDG), 2.6 (GEN).
	16	14	12	20.3?	27.80	S	109.37	E	10	G	4.1	1.4	11	WEST OF AUSTRALIA
	16	14	50	47.2	51.641	N	176.403	E	33	N	5.1 4.5	1.0	202	RAT ISLANDS, ALEUTIAN ISLANDS
	16	14	56	15.8?	13.44	N	92.52	W	33	N	4.2	0.7	8	OFF COAST OF CHIAPAS, MEXICO
	16	15	05	13.3?	14.02	N	92.86	W	33	N	4.1	1.3	7	NEAR COAST OF CHIAPAS, MEXICO
	16	15	11	12.7%	37.589	N	119.021	W	4				12	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).
	16	15	51	48.6?	31.71	S	117.06	E	10	G		0.0	4	WESTERN AUSTRALIA
	16	16	05	36.0%	41.172	N	29.403	E	10	G		0.6	10	TURKEY. ML 2.8 (ISK).
	16	16	16	25.3%	26.369	S	27.429	E	5	G		0.9	5	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
	16	16	49	08.1%	40.193	N	27.860	E	10	G		0.3	5	TURKEY. ML 2.5 (ISK).
	16	17	57	15.3%	67.856	N	163.348	W	40		4.8 4.8		136	NORTHERN ALASKA. <AEIC>. Felt (V) at Kotzebue, (III) at Kivalina and (II) at Noatak.
	16	18	12	31.0?	32.23	S	117.39	E	10	G		0.7	4	WESTERN AUSTRALIA
	16	19	04	44.6	33.592	N	135.188	E	30		4.6	0.5	15	NEAR S. COAST OF WESTERN HONSHU
	16	19	34	02.8?	51.60	N	16.22	E	10	G		0.8	13	POLAND. ML 3.4 (VIE), 3.4 (GRF).
	16	20	42	54.6?	31.26	N	83.94	E	33	N	4.4	1.6	11	XIZANG
	16	20	56	53.1%	11.298	N	61.881	W	33	N		0.7	11	WINDWARD ISLANDS. MD 3.5 (TRN).
	16	21	27	25.0%	40.859	N	29.867	E	10	G		0.3	8	TURKEY. ML 3.0 (ISK).
	16	21	30	11.2*	8.024	S	68.029	E	10	G	4.9 5.0	1.2	56	CHAGOS ARCHIPELAGO REGION
	16	23	30	39.9%	66.293	N	150.006	W	26				14	NORTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	16	23	33	50.9?	40.81	N	27.97	E	10	G		1.3	4	TURKEY. ML 2.6 (ISK).
	16	23	34	59.5*	50.441	N	18.870	E	10	G		0.5	7	POLAND. ML 3.1 (WAR).
	16	23	42	50.3	32.845	S	71.477	W	33	N		1.1	17	NEAR COAST OF CENTRAL CHILE. MD 4.2 (SAN).
	17	01	03	54.4	46.376	N	7.402	E	5	G		1.1	31	SWITZERLAND. ML 2.8 (LDG).
	17	01	39	52.3*	52.198	N	2.746	W	10	G		1.6	18	UNITED KINGDOM. ML 3.2 (LDG).
	17	01	43	22.6%	40.150	N	27.206	E	5	G		0.8	6	TURKEY. ML 2.8 (ISK).
	17	02	20	04.6?	14.95	N	92.46	W	33	N	4.2	1.2	9	NEAR COAST OF CHIAPAS, MEXICO

17	02	25	45.7?	51.27	N	16.05	E	10	G	0.7	7	POLAND	
17	03	05	50.8&	66.378	N	149.701	W	10		33		NORTHERN ALASKA. <AEIC>. ML 3.2 (AEIC), 3.8 (PMR).	
17	03	10	01.4?	14.23	N	93.11	W	33	N	4.1	1.7	13 NEAR COAST OF CHIAPAS, MEXICO	
17	04	03	00.0?	26.87	S	26.48	E	5	G		1.7	4 REPUBLIC OF SOUTH AFRICA	
17	04	49	37.4&	41.162	N	23.795	E	10	G		0.6	7 GREECE-BULGARIA BORDER REGION. ML 2.6 (THE).	
17	05	12	55.3?	23.55	N	121.85	E	33	N	4.1	1.4	7 TAIWAN. ML 3.8 (BJI).	
17	05	45	47.1	42.840	N	1.184	W	10	G		1.0	14 PYRENEES. MD 3.2 (BTH). ML 3.0 (LDG). mbLg 2.9 (MDD). Felt (III) in the epicentral area.	
17	06	09	24.6&	66.412	N	149.704	W	10			17	NORTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).	
17	06	49	07.6&	11.281	N	62.047	W	80	G		0.6	10 WINDWARD ISLANDS. MD 3.5 (TRN).	
17	07	13	17.4&	31.270	S	68.505	W	100	G		0.3	5 SAN JUAN PROVINCE, ARGENTINA	
17	07	21	41.7*	38.614	N	26.594	E	10	G		0.7	17 AEGEAN SEA. ML 3.9 (THE), 3.7 (ISK).	
17	07	24	28.8&	26.842	S	26.758	E	5	G		0.6	5 REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).	
17	07	27	53.4?	38.31	N	26.32	E	10	G		0.4	6 AEGEAN SEA. ML 3.2 (ISK).	
17	07	50	15.8&	44.412	N	7.180	E	5	G		0.4	9 NORTHERN ITALY. ML 2.3 (GEN).	
17	08	16	10.1?	6.58	N	72.69	W	150	G		1.4	7 NORTHERN COLOMBIA	
17	09	10	33.3&	61.887	N	150.409	W	43			47	SOUTHERN ALASKA. <AEIC>. ML 2.7 (AEIC).	
17	09	30	21.7&	60.489	N	151.796	W	64			44	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).	
17	09	37	55.3	46.992	N	10.681	E	10	G		0.8	13 NORTHERN ITALY. ML 2.4 (VIE), 2.2 (FUR).	
17	09	43	31.6*	33.704	S	72.050	W	10	G		0.6	12 OFF COAST OF CENTRAL CHILE. MD 4.1 (SAN).	
17	09	53	05.3&	26.239	S	28.172	E	5	G		0.8	6 REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).	
17	09	59	46.9*	14.239	N	92.798	W	33	N		0.3	6 NEAR COAST OF CHIAPAS, MEXICO. MD 4.2 (GCG).	
17	10	17	55.7	40.022	N	19.937	E	10	G		0.9	9 ALBANIA	
17	10	19	42.3*	14.879	N	61.103	W	163	*		0.4	17 WINDWARD ISLANDS. MD 3.9 (TRN).	
17	10	34	52.5	49.166	N	6.870	E	10	G		0.6	10 GERMANY. ML 2.6 (STR), 2.1 (UCC).	
17	10	45	47.8*	63.217	N	27.513	E	10	G		1.5	5 FINLAND	
17	10	57	16.8&	41.390	N	29.358	E	10	G		1.0	6 TURKEY. ML 2.8 (ISK).	
17	11	00	01.3	49.100	N	6.869	E	10	G		0.7	12 GERMANY. ML 2.6 (STR), 2.1 (UCC).	
17	11	01	16.5	6.818	S	125.246	E	525	*	4.8	0.7	31 BANDA SEA	
17	11	04	06.9?	31.47	S	69.35	W	120	G		0.2	5 SAN JUAN PROVINCE, ARGENTINA	
17	11	17	18.6&	38.997	N	30.215	E	10	G		1.6	5 TURKEY. ML 3.0 (ISK).	
17	11	33	58.5&	37.572	S	177.328	E	150	G		0.8	19 OFF E. COAST OF N. ISLAND, N.Z.	
17	11	35	06.2	52.941	N	158.722	E	94	D	5.1	0.9	258 NEAR EAST COAST OF KAMCHATKA	
17	11	46	15.3&	39.681	N	29.490	E	10	G		0.6	6 TURKEY. ML 2.8 (ISK).	
17	12	06	26.9?	30.99	S	178.39	W	33	N	4.3	0.1	6 KERMADEC ISLANDS, NEW ZEALAND	
17	12	19	21.9*	42.576	N	23.928	E	10	G		0.6	8 BULGARIA. ML 3.2 (THE).	
17	12	21	02.2&	40.390	N	27.972	E	10	G		0.4	5 TURKEY. ML 2.6 (ISK).	
17	12	35	43.6	21.750	N	144.270	E	101	D	4.8	1.0	55 MARIANA ISLANDS REGION	
17	13	14	12.8?	34.37	N	136.04	E	33	N	4.5	1.6	9 WESTERN HONSHU, JAPAN	
17	13	32	26.4&	31.150	S	68.566	W	100	G		0.3	5 SAN JUAN PROVINCE, ARGENTINA	
17	13	37	54.1	15.631	N	60.375	W	10	G		0.6	15 LEEWARD ISLANDS. MD 3.6 (TRN). ML 3.1 (FDF).	
17	14	31	20.9&	32.349	N	115.042	W	6	G		6	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.4 (PAS).	
17	15	42	03.3&	26.439	S	27.367	E	5	G		0.9	6 REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).	
17	16	23	17.3?	30.99	N	142.45	E	33	N	4.5	0.9	6 SOUTH OF HONSHU, JAPAN	
17	16	46	14.0*	31.921	S	68.765	W	119	*		0.6	10 SAN JUAN PROVINCE, ARGENTINA	
17	16	48	01.9&	26.375	S	27.468	E	5	G		0.2	5 REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).	
17	17	07	27.6&	33.513	S	68.501	W	33	N		1.0	6 MENDOZA PROVINCE, ARGENTINA	
17	17	07	51.0&	39.049	N	27.777	E	10	G		0.3	5 TURKEY. ML 2.8 (ISK).	
17	17	29	30.4*	13.935	N	93.120	W	33	N	4.4	1.1	15 OFF COAST OF CHIAPAS, MEXICO	
17	17	31	08.5	38.501	N	20.534	E	10	G		0.8	14 GREECE. MD 3.2 (ATH). ML 2.9 (THE).	
17	17	58	29.9*	51.341	N	15.910	E	10	G		0.9	8 POLAND. ML 3.1 (GRF).	
17	18	38	06.4	38.742	N	30.239	E	10	G		0.7	11 TURKEY. ML 3.4 (ISK). Felt at Afyon.	
17	18	45	43.3?	21.92	S	179.46	E	600	G	4.7	0.9	14 SOUTH OF FIJI ISLANDS	
17	18	55	38.8?	15.65	S	167.54	E	118	?		0.8	16 VANUATU ISLANDS	
17	19	02	12.5	38.399	N	22.066	E	10	G		1.3	15 GREECE. ML 3.0 (THE).	
17	19	16	36.8	5.536	S	131.107	E	33	N	5.3	1.0	55 BANDA SEA	
17	19	25	59.1&	66.373	N	149.663	W	6			19	NORTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).	
17	20	00	38.0&	38.157	N	15.265	E	10	G		1.0	6 SICILY. MD 2.6 (ROM).	
17	20	45	56.4	35.930	N	25.714	E	10	G		1.4	7 CRETE. MD 3.7 (ATH).	
17	21	02	56.9*	21.304	N	120.920	E	33	N	4.1 4.0	1.5	11 TAIWAN REGION	
17	21	20	20.8	8.192	S	117.881	E	24	D	5.2 4.6	1.2	58 SUMBAWA REGION, INDONESIA	
17	22	20	37.1*	6.348	S	147.384	E	94		5.0	1.2	29 EASTERN NEW GUINEA REG., P.N.G.	
17	22	44	42.6*	14.358	N	92.098	W	33	N	3.8	1.4	10 NEAR COAST OF CHIAPAS, MEXICO. MD 4.0 (GCG).	
17	23	07	45.5	17.458	N	96.188	W	33	N	4.1	1.1	17 OAXACA, MEXICO	
18	00	08	08.6&	32.383	N	115.036	W	6	G		2	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.1 (PAS).	
a	18	00	20	52.2&	40.373	N	25.874	E	33	N	0.6	6 AEGEAN SEA. ML 2.8 (ISK).	
a	18	00	27	47.9	1.632	N	126.770	E	40	D	5.5 5.1	1.2	174 NORTHERN MOLUCCA SEA. Mw 5.6 (HRV).
a	18	00	34	20.7	15.177	S	173.673	W	41	D	5.0 5.0	1.2	80 TONGA ISLANDS. Ms 4.8 (BRK).
a	18	00	39	26.8*	18.901	N	64.382	W	33	N		0.5	12 VIRGIN ISLANDS. ML 4.4 (FDF).
a	18	01	09	21.8&	63.235	N	150.619	W	140			66	CENTRAL ALASKA. <AEIC>.
a	18	01	40	38.4	8.711	N	122.471	E	30	D	4.5 4.6	1.4	36 MINDANAO, PHILIPPINE ISLANDS
a	18	02	01	42.3	14.388	N	92.703	W	33	N	4.9 4.9	1.0	138 NEAR COAST OF CHIAPAS, MEXICO. Mw 5.5 (HRV).
a	18	02	18	35.6	36.116	N	140.863	E	43	D	5.2 4.6	1.0	182 NEAR EAST COAST OF HONSHU, JAPAN. Felt in the Tokyo area.
18	02	28	32.7&	26.870	S	26.681	E	5	G		0.7	6 REPUBLIC OF SOUTH AFRICA. ML 2.2 (PRE).	
18	02	32	00.8?	26.82	S	26.46	E	5	G		0.4	4 REPUBLIC OF SOUTH AFRICA	
18	04	03	47.2&	62.519	N	151.173	W	93			84	CENTRAL ALASKA. <AEIC>.	
18	04	15	37.8	5.347	N	37.561	E	10	G	4.8 5.2	1.1	57 ETHIOPIA	
18	04	43	28.8*	21.270	S	67.451	W	207	*		1.2	11 CHILE-BOLIVIA BORDER REGION	
18	04	44	45.0&	63.118	N	151.270	W	15			72	CENTRAL ALASKA. <AEIC>. ML 3.8 (AEIC), 3.9 (PMR).	
f	18	05	02	27.0	36.421	N	71.592	E	113	G	6.1	1.0	465 AFGHANISTAN-TAJIKISTAN BORD REG. Mw 6.3 (GS), 6.1 (HRV). Felt (IV) at Khorugh and Kulob; (III) at Dushanbe, Garm, Nurek, Rogun and Shaartuz, Tajikistan. Also felt in northern India and parts of Afghanistan and Pakistan. Depth from broadband displacement seismograms.
18	05	17	52.8&	26.843	S	26.770	E	5	G		1.3	13 REPUBLIC OF SOUTH AFRICA. ML 3.6 (PRE).	
18	06	34	44.7&	41.284	N	126.254	W	24			3	OFF COAST OF NORTHERN CALIFORNIA. <GM-P>. MD 2.8 (GM).	
18	07	19	16.4?	31.45	S	68.75	W	100	G		0.1	4 SAN JUAN PROVINCE, ARGENTINA	
18	07	56	25.4	8.237	S	74.301	W	153	D	4.9	0.8	47 PERU-BRAZIL BORDER REGION	
18	08	04	07.5*	45.660	N	26.677	E	179	*	3.2	0.6	11 ROMANIA. Felt in Vrancea.	

18	09 15 59.1&	63.099 N	150.987 W	138					61	CENTRAL ALASKA. <AEIC>.
18	10 08 48.2&	31.515 S	68.115 W	33 N			0.5	5	5	SAN JUAN PROVINCE, ARGENTINA
18	10 20 10.8&	66.309 N	149.679 W	10 G				10	10	NORTHERN ALASKA. <AEIC>. ML 2.8 (AEIC).
18	10 36 46.2*	33.289 S	72.934 W	33 N	4.3		0.8	17	17	OFF COAST OF CENTRAL CHILE. MD 4.4 (SAN).
18	11 17 42.2	6.182 N	133.618 E	22 D	5.2	4.6	1.1	75	75	WESTERN CAROLINE ISLANDS
18	11 59 48.6	23.563 N	123.906 E	33 N	4.4	4.3	1.1	40	40	SOUTHWESTERN RYUKYU ISLANDS. ML 4.1 (BJI).
18	13 22 56.6	0.247 N	16.228 W	10 G	5.2	4.5	1.3	63	63	NORTH OF ASCENSION ISLAND
18	13 55 29.8*	18.637 N	145.558 E	159 *	4.6		0.9	24	24	MARIANA ISLANDS
18	15 00 29.9	43.018 N	145.741 E	46 D	4.7	4.3	1.2	45	45	HOKKAIDO, JAPAN REGION
18	15 08 06.9	59.206 N	145.028 W	10 G			0.7	50	50	GULF OF ALASKA. ML 3.9 (AEIC), 4.1 (PMR).
18	15 48 34.0*	12.573 N	88.069 W	31 D	4.9	4.4	1.2	51	51	OFF COAST OF CENTRAL AMERICA
18	16 01 25.8&	33.241 S	70.745 W	75 ?			0.3	9	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).
18	16 07 10.5&	31.495 S	68.049 W	33 N			0.7	6	6	SAN JUAN PROVINCE, ARGENTINA
18	17 51 02.3?	15.35 N	60.14 W	24			0.2	8	8	LEEWARD ISLANDS. ML 3.2 (FDF).
18	20 03 46.4*	13.073 N	145.257 E	83	4.6		0.8	16	16	MARIANA ISLANDS
18	20 43 39.9*	58.797 S	25.012 W	33 N	5.1	5.4	1.4	50	50	SOUTH SANDWICH ISLANDS REGION
18	21 09 41.5?	18.83 S	169.51 E	200 G	5.0		1.4	22	22	VANUATU ISLANDS
18	21 36 52.3&	15.224 N	60.651 W	33 N			0.2	7	7	LEEWARD ISLANDS. ML 2.5 (FDF).
18	22 29 37.1	17.731 N	62.594 W	33 N			0.6	16	16	LEEWARD ISLANDS. ML 4.1 (FDF). MD 3.9 (TRN).
18	22 32 00.7?	67.94 N	20.68 E	10 G			0.7	4	4	SWEDEN. MD 2.2 (BER).
18	22 50 17.6?	19.98 S	70.22 W	55 *			0.7	12	12	NEAR COAST OF NORTHERN CHILE
18	23 29 38.0?	15.04 N	60.52 W	33 N			0.4	6	6	LEEWARD ISLANDS. ML 2.6 (FDF).
18	23 46 46.2&	44.545 N	7.258 E	10 G			0.2	5	5	NORTHERN ITALY
19	01 57 11.5?	40.74 N	29.27 E	10 G			0.3	4	4	TURKEY. ML 2.7 (ISK).
19	02 56 10.7&	60.238 N	153.068 W	134				80	80	SOUTHERN ALASKA. <AEIC>.
19	03 13 36.4&	26.836 S	26.693 E	5 G			0.7	6	6	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
19	03 53 38.6&	61.340 N	153.885 W	16				42	42	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC), 3.0 (PMR).
19	04 12 46.0&	61.973 N	149.921 W	44				71	71	SOUTHERN ALASKA. <AEIC>. ML 3.5 (AEIC), 3.6 (PMR).
19	04 17 20.2?	30.70 S	69.09 W	33 N			0.1	4	4	CHILE-ARGENTINA BORDER REGION
a	04 18 36.3	60.079 S	26.967 W	46 D	5.4	5.4	1.2	80	80	SOUTH SANDWICH ISLANDS REGION. Mw 5.3 (HRV).
19	04 34 28.4?	6.51 N	72.59 W	150 G			1.0	6	6	NORTHERN COLOMBIA
19	04 37 03.1	43.108 N	139.154 E	19 D	4.9	5.5	0.9	68	68	EASTERN SEA OF JAPAN
19	04 56 28.5*	13.729 N	93.082 W	33 N	4.2		1.5	30	30	OFF COAST OF CHIAPAS, MEXICO
a	05 01 15.5	14.480 N	93.162 W	33 N	5.1	5.0	1.2	167	167	NEAR COAST OF CHIAPAS, MEXICO. Mw 5.5 (HRV). Ms 4.9 (BRK).
19	05 01 35.3*	12.008 N	59.228 W	10 G			0.4	14	14	WINDWARD ISLANDS. MD 3.8 (TRN).
19	05 05 03.8	40.144 N	24.843 E	10 G			0.6	11	11	AEGEAN SEA. ML 2.8 (THE).
19	05 10 35.4	21.937 S	179.306 W	586	5.3		1.0	138	138	FIJI ISLANDS REGION
19	05 41 33.5?	14.18 N	93.51 W	33 N	4.1		1.5	13	13	NEAR COAST OF CHIAPAS, MEXICO
19										

19	23	27	32.06	37.630	N	118.944	W	6							32	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM).
19	23	50	31.96	39.640	N	29.024	E	5	G	0.7	7	TURKEY. ML 2.9 (ISK).				
20	00	26	42.1?	31.73	S	68.212	W	33	N	1.5	6	SAN JUAN PROVINCE, ARGENTINA				
20	00	34	22.56	40.280	N	23.037	E	10	G	0.5	9	GREECE. ML 2.1 (THE).				
a	20	01	22	49.5	14.330	N	93.372	W	33	N	4.9	4.8	1.1	130	NEAR COAST OF CHIAPAS, MEXICO. Mw 5.4 (HRV). Ms 4.7 (BRK). Felt at Mexico City.	
20	01	39	16.46	38.659	N	23.772	E	10	G	0.9	10	GREECE. ML 2.8 (THE).				
20	02	29	22.4	40.954	N	22.717	E	10	G	0.6	11	GREECE. ML 2.5 (THE).				
20	02	35	43.0*	6.028	N	127.005	E	33	N	4.3	1.2	14	PHILIPPINE ISLANDS REGION			
20	04	22	54.6?	41.55	N	2.59	E	10	G	1.1	14	SPAIN. mbLg 2.9 (MDD). ML 2.8 (LDG).				
20	04	32	01.66	39.634	N	29.022	E	10	G	0.3	7	TURKEY. ML 3.1 (ISK).				
20	04	44	11.5?	16.62	N	61.79	W	10	G	0.4	4	LEEWARD ISLANDS. ML 2.4 (FDF).				
20	04	49	00.0*	10.889	N	62.259	W	86	?	0.6	9	NEAR COAST OF VENEZUELA. MD 3.1 (TRN).				
20	05	08	37.5?	16.93	N	61.95	W	10	G	0.3	5	LEEWARD ISLANDS. ML 3.2 (FDF).				
20	05	29	33.8	40.948	N	22.725	E	10	G	0.6	13	GREECE. ML 2.4 (THE).				
20	05	54	27.86	44.267	N	8.216	E	5	G	0.5	7	NORTHERN ITALY. ML 1.8 (GEN).				
20	05	57	18.76	32.062	N	114.912	W	6	G		3	W. ARIZONA-SONORA BORDER REGION. <PAS-P>. ML 2.7 (PAS).				
20	06	07	49.0?	17.65	N	65.89	W	33	N	0.2	5	PUERTO RICO REGION				
20	06	44	57.1?	20.49	S	68.97	W	120	G	1.4	8	CHILE-BOLIVIA BORDER REGION				
20	06	54	43.86	26.929	S	26.697	E	5	G	1.0	9	REPUBLIC OF SOUTH AFRICA. ML 3.2 (PRE).				
20	06	58	46.76	43.042	N	0.932	W	5	G	0.3	6	PYRENEES. ML 1.0 (STR).				
20	07	06	31.5	14.289	N	92.743	W	33	N	4.8	4.7	1.1	79	NEAR COAST OF CHIAPAS, MEXICO. Ms 4.6 (BRK). Felt at Mexico City.		
20	07	21	17.4?	20.51	S	178.22	W	586	?	4.4	1.4	18	FIJI ISLANDS REGION			
20	07	40	54.9	27.821	N	92.938	E	33	N	4.7	0.8	19	EASTERN XIZANG-INDIA BORDER REG.			
20	08	09	18.1?	31.66	S	68.95	W	112	?		0.4	5	SAN JUAN PROVINCE, ARGENTINA			
20	08	19	27.9?	39.25	N	27.72	E	10	G		0.2	4	TURKEY. ML 2.7 (ISK).			
20	09	45	42.56	63.163	N	150.871	W	144				24	CENTRAL ALASKA. <AEIC>.			
20	09	47	33.56	44.274	N	8.225	E	5	G	0.6	9	NORTHERN ITALY. ML 2.2 (GEN).				
f	20	09	55	06.26	44.246	N	8.379	E	10	G	0.5	7	NORTHERN ITALY. ML 2.0 (GEN).			
f	20	10	17	42.0	0.750	N	29.354	W	10	G	5.8	6.0	1.4	371	CENTRAL MID-ATLANTIC RIDGE. Mw 6.3 (GS), 6.1 (HRV). Ms 5.9 (BRK). Mo=3.0*10**18 Nm (PPT).	
20	10	18	31.3	4.628	S	134.446	E	18	D	5.1	5.2	1.0	22	IRIAN JAYA REGION, INDONESIA		
20	10	50	37.2?	4.78	S	134.21	E	33	N	4.7		1.4	8	IRIAN JAYA REGION, INDONESIA		
20	11	05	00.4?	44.55	N	7.41	E	10	G			0.2	4	NORTHERN ITALY. ML 1.6 (GEN).		
20	11	10	43.16	40.930	N	22.692	E	5	G			0.5	8	GREECE. ML 2.4 (THE).		
20	11	26	52.9	14.598	S	175.158	W	33	N	5.3	5.1	1.1	91	SAMOA ISLANDS REGION		
20	11	32	49.56	66.281	N	149.929	W	26					10	NORTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).		
20	13	13	24.5	40.136	N	142.589	E	46	*			0.9	16	NEAR EAST COAST OF HONSHU, JAPAN		
20	13	21	00.8?	41.90	N	24.76	E	10	G			1.1	6	GREECE-BULGARIA BORDER REGION. ML 2.9 (THE).		
20	13	32	19.26	26.921	S	26.649	E	5	G			1.1	10	REPUBLIC OF SOUTH AFRICA. ML 3.8 (PRE).		
20	14	22	08.06	39.972	N	27.421	E	10	G			0.2	7	TURKEY. ML 2.9 (ISK).		
20	14	30	06.7?	39.26	N	27.81	E	10	G			0.1	4	TURKEY. ML 2.9 (ISK).		
20	15	24	09.8	46.855	N	6.960	E	10	G			0.6	13	SWITZERLAND. ML 2.7 (LDG), 2.3 (STR).		
20	16	13	25.06	38.418	S	177.520	E	70	G			0.1	5	NORTH ISLAND, NEW ZEALAND		
20	17	08	24.56	32.073	N	115.429	W	6	G				4	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 2.6 (PAS).		
20	17	10	56.4*	14.102	N	93.212	W	33	N	4.1		1.5	11	NEAR COAST OF CHIAPAS, MEXICO		
20	19	16	30.5	37.918	S	177.576	E	68	*	4.4		1.5	34	OFF E. COAST OF N. ISLAND, N.Z.		
20	19	30	10.6	36.749	N	21.173	E	10	G	4.1		1.1	81	SOUTHERN GREECE. MD 4.0 (ATH). ML 4.0 (THE).		
20	19	38	37.0?	17.31	S	64.69	W	33	N	4.3		1.2	23	CENTRAL BOLIVIA		
20	19	40	30.1	21.324	S	66.565	W	210	*	4.6		0.9	35	SOUTHERN BOLIVIA		
a	20	19	44	10.56	37.418	N	118.548	W	13					30	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 2.9 (GM).	
a	20	19	54	05.3	21.277	N	146.230	E	33	N	5.4	4.9	1.1	184	MARIANA ISLANDS REGION. Mw 5.3 (HRV). Ms 4.8 (BRK).	
20	19	59	12.0	44.754	N	7.264	E	10	G			0.6	16	NORTHERN ITALY. ML 2.3 (GEN).		
20	20	05	38.0*	14.681	N	93.425	W	33	N	4.5		1.3	23	NEAR COAST OF CHIAPAS, MEXICO		
20	20	18	04.6?	28.92	N	34.49	E	10	G	3.9		1.4	9	EGYPT. ML 4.3 (BHL). MD 3.8 (HLW).		
20	20	29	00.7	33.161	S	70.395	W	10	G			1.1	10	CHILE-ARGENTINA BORDER REGION		
a	20	20	43	40.96	39.120	N	21.985	E	10	G			0.9	8	GREECE. ML 2.5 (THE).	
a	20	22	32	44.0	13.003	N	145.822	E	66		5.4		1.1	127	MARIANA ISLANDS. Mw 5.2 (HRV). Felt (III) at Andersen AFB, Agana and Tamuning, Guam.	
20	22	48	08.06	28.119	S	26.808	E	5	G			1.4	13	REPUBLIC OF SOUTH AFRICA. ML 3.6 (PRE).		
a	20	23	04	12.6	5.225	S	102.829	E	39	D	5.5	5.3	1.1	139	SOUTHERN SUMATERA, INDONESIA. Mw 5.6 (HRV).	
20	23	05	11.8?	31.63	S	67.75	W	33	N			0.8	4	SAN JUAN PROVINCE, ARGENTINA		
20	23	10	27.06	34.083	N	116.379	W	3					5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.4 (PAS).		
20	23	55	58.4	37.555	N	16.304	E	10	G	3.8		1.1	22	IONIAN SEA. ML 3.5 (ROM).		
21	01	29	49.2*	14.220	N	93.305	W	55	*	3.9		1.0	14	NEAR COAST OF CHIAPAS, MEXICO		
21	02	54	58.5	13.952	N	93.035	W	37		4.4		1.1	33	OFF COAST OF CHIAPAS, MEXICO		
21	02	55	30.3?	19.47	N	65.37	W	10	G			0.3	7	PUERTO RICO REGION		
21	03	16	54.9	42.315	N	122.050	W	5	G	4.3		0.9	119	OREGON. MD 4.4 (GS), 3.9 (SEA). ML 4.5 (BRK). Felt in the Klamath Falls area.		
f	21	03	28	55.4	42.314	N	122.012	W	11	G	5.7	5.8	1.2	534	OREGON. Mw 6.0 (GS), 6.0 (HRV). ML 5.9 (BRK). MD 5.9 (SEA). Mo=7.8*10**17 Nm (BRK), 1.7*10**18 Nm (PPT). The Klamath Falls earthquakes caused two deaths and approximately 7.5 million U.S. dollars in damage. One person was killed when the car he was driving was crushed by a boulder in an earthquake-induced rockfall and another person died of a heart attack. More than 1,000 homes and commercial buildings were damaged. Maximum intensity VII in downtown Klamath Falls and at the Oregon Institute of Technology about three kilometers north of downtown. Three highways leading to Klamath Falls were temporarily closed because of rockfalls or concern about possible damage to bridges. Rockfalls and rockslides occurred in roadcuts and on steep slopes throughout the epicentral region. Ground cracks in fill material were observed at several locations in the area. Felt in southern Oregon as far north as Eugene and in northern California as far south as Redding. Two events about 2 seconds apart. Depth from broadband displacement seismograms, based on first event.	
21	03	47	11.5	42.276	N	122.091	W	5	G			1.1	18	OREGON. ML 3.5 (GS).		

21	03 50 48.6*	15.270 N	145.526 E	33 N	0.2	5	MARIANA ISLANDS
21	03 52 47.8	42.240 N	122.085 W	5 G	0.9	28	OREGON. ML 3.0 (GS). MD 2.7 (SEA). Multiple event.
21	03 58 06.8	42.295 N	122.126 W	5 G	1.1	22	OREGON. ML 3.2 (GS). MD 2.6 (SEA).
21	04 00 08.5	45.030 N	6.729 E	5 G	0.8	14	FRANCE. ML 2.4 (GEN), 2.3 (LDG).
21	04 02 41.0&	42.300 N	122.000 W	5 G		4	OREGON. <SPEC>. ML 3.7 (GS). Multiple event. Held to mainshock location.
21	04 04 12.8?	42.40 N	121.94 W	5 G	0.1	4	OREGON. ML 3.7 (GS).
21	04 06 54.6&	42.325 N	122.108 W	0	15		OREGON. <SEA-P>. MD 2.4 (SEA). ML 2.9 (GS).
21	04 07 38.0&	42.300 N	122.000 W	5 G	4		OREGON. <SPEC>. ML 3.6 (GS). Held to mainshock location. Multiple event.
21	04 16 12.3	42.267 N	122.031 W	5 G 4.4	1.1	144	OREGON. ML 4.5 (BRK). MD 3.8 (SEA). Felt in the Klamath Falls area.
21	04 28 05.6*	42.223 N	122.110 W	5 G	0.6	15	OREGON. ML 3.2 (GS). Multiple event.
21	04 31 20.8?	42.42 N	121.88 W	5 G	0.8	11	OREGON. MD 2.9 (GS). Multiple event.
21	04 34 06.9	42.266 N	122.084 W	5 G 4.0	1.0	89	OREGON. ML 4.2 (BRK). MD 3.8 (SEA). Multiple event. Felt in the Klamath Falls area.
21	04 38 02.2	42.271 N	122.079 W	5 G	0.9	37	OREGON. ML 3.8 (GS). MD 3.5 (SEA).
21	04 54 25.1&	26.898 S	26.729 E	5 G	0.5	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
21	04 55 29.0	42.274 N	122.097 W	5 G	1.1	32	OREGON. ML 3.2 (GS), 3.0 (BRK). MD 2.7 (SEA). Multiple event.
21	04 55 34.2?	21.50 S	178.90 W	550 G 4.7	1.3	13	FIJI ISLANDS REGION
21	04 59 31.3	42.190 N	122.110 W	5 G	1.2	26	OREGON. ML 3.2 (GS). MD 2.9 (SEA).
21	05 11 31.3	42.240 N	122.092 W	5 G	1.0	55	OREGON. ML 4.0 (GS), 3.7 (BRK).
21	05 12 24.1*	14.471 N	93.724 W	42 * 4.7	1.0	42	NEAR COAST OF CHIAPAS, MEXICO
21	05 20 31.7	42.101 N	122.162 W	5 G	1.0	18	OREGON. ML 3.0 (GS). MD 2.5 (SEA).
21	05 40 09.1	42.232 N	122.103 W	5 G	1.1	13	OREGON. ML 3.0 (GS). MD 2.7 (SEA).
a 21	05 45 33.7	42.358 N	122.045 W	5 G 5.6 5.8	1.3	515	OREGON. Mw 6.0 (HRV). ML 5.9 (BRK). MD 6.0 (SEA). Mo=8.1*10**17 Nm (BRK), 1.5*10**18 Nm (PPT). Additional damage in the Klamath Falls area. At some locations northwest of Klamath Falls this earthquake produced higher intensities than the event which occurred at 0328.
21	05 53 09.5*	14.071 N	93.569 W	32 * 4.7	1.0	9	NEAR COAST OF CHIAPAS, MEXICO
21	06 13 50.7	42.311 N	122.159 W	5 G	1.1	17	OREGON. ML 3.2 (GS). MD 2.8 (SEA).
21	06 14 43.0	42.372 N	122.009 W	5 G 5.0	1.3	209	OREGON. ML 4.8 (BRK). Felt in the Klamath Falls area.
21	06 23 58.0?	42.29 N	122.13 W	5 G	0.6	9	OREGON. ML 2.9 (GS). MD 2.5 (SEA).
21	06 25 33.8	42.347 N	122.100 W	5 G	1.0	65	OREGON. ML 3.5 (GS), 3.3 (BRK). MD 2.9 (SEA).
21	06 30 03.9?	15.95 N	61.61 W	10 G	0.9	4	LEEWARD ISLANDS. ML 1.8 (FDF).
21	06 30 27.1	57.363 N	142.852 W	10 G	0.8	77	GULF OF ALASKA. ML 4.1 (AETC), 4.3 (PMR).
21	06 49 00.4	39.468 N	21.511 E	10 G	0.9	7	GREECE
21	06 49 42.3	39.303 N	21.521 E	6 3.6	1.2	24	GREECE. ML 3.6 (THE), 3.5 (ATH), 3.5 (TIR).
21	06 54 14.1	42.342 N	122.153 W	5 G	1.2	27	OREGON. ML 3.3 (GS). MD 3.0 (SEA).
21	07 06 37.2	42.229 N	122.130 W	5 G	1.2	43	OREGON. ML 3.4 (GS), 3.1 (BRK). MD 2.9 (SEA).
21	07 16 43.0*	42.246 N	122.007 W	5 G	0.6	13	OREGON. ML 3.0 (GS). MD 2.4 (SEA).
21	07 17 33.8	42.259 N	122.134 W	5 G	0.9	13	OREGON. ML 2.9 (GS). MD 2.6 (SEA).
21	07 19 37.0&	40.658 N	29.107 E	10 G	0.4	7	TURKEY. ML 2.9 (ISK).
21	07 28 16.3	42.376 N	122.074 W	5 G	1.2	59	OREGON. ML 3.8 (GS), 3.7 (BRK). MD 3.4 (SEA).
21	07 35 35.9	51.926 N	178.081 W	85 4.8	1.0	69	ANDREANOF ISLANDS, ALEUTIAN IS. Felt (III) on Adak.
21	07 41 19.0&	42.300 N	122.000 W	5 G	6		OREGON. <SPEC>. ML 3.0 (GS). Held to mainshock location.
21	07 46 29.2?	42.32 N	122.13 W	5 G	0.6	7	OREGON. MD 2.7 (GS).
21	07 50 29.6*	42.333 N	122.141 W	5 G	0.8	12	OREGON. ML 2.9 (GS). MD 2.5 (SEA).
21	07 55 57.7*	42.260 N	122.102 W	5 G	0.5	12	OREGON. ML 3.0 (GS).
21	08 18 27.0*	42.279 N	122.123 W	5 G	1.6	8	OREGON. MD 2.9 (GS), 2.5 (SEA).
21	08 21 07.9?	39.12 N	27.63 E	10 G	1.2	4	TURKEY
21	08 21 21.8*	0.098 N	16.091 W	10 G 4.8	0.9	17	NORTH OF ASCENSION ISLAND
21	08 25 07.1	42.220 N	122.091 W	5 G	0.8	24	OREGON. ML 2.8 (GS). MD 2.6 (SEA).
21	08 31 56.0	42.305 N	122.249 W	5 G	1.0	28	OREGON. ML 3.0 (GS). MD 2.6 (SEA).
21	08 45 22.2?	42.46 N	122.21 W	5 G	0.7	10	OREGON. ML 3.0 (GS).
21	08 57 37.9	16.926 S	177.503 W	377 * 4.7	1.1	32	FIJI ISLANDS REGION
21	09 07 02.5	42.214 N	122.134 W	5 G	0.5	13	OREGON. ML 3.1 (GS). MD 2.5 (SEA).
21	09 10 12.7*	42.098 N	122.130 W	5 G	0.8	11	OREGON. ML 3.1 (GS).
21	09 21 20.9*	42.081 N	122.169 W	5 G	1.0	13	OREGON. ML 3.0 (GS). MD 2.4 (SEA).
21	09 33 26.1&	26.177 S	28.161 E	5 G	0.3	5	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
21	09 38 29.2?	0.07 N	16.25 W	10 G 4.9	1.2	7	NORTH OF ASCENSION ISLAND
21	09 41 03.3	42.201 N	122.075 W	5 G	1.0	23	OREGON. ML 3.0 (GS). MD 2.6 (SEA).
21	09 50 49.2?	33.70 S	70.15 W	112 ?	0.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.5 (SAN).
21	10 03 27.8*	42.312 N	122.088 W	5 G	0.4	11	OREGON. ML 2.9 (GS).
21	10 15 16.2?	45.42 N	15.35 E	10 G	0.6	5	NORTHWESTERN BALKAN REGION. MD 2.8 (LJU).
21	10 50 33.4?	42.15 N	122.19 W	5 G	1.0	9	OREGON
21	10 53 25.2	42.277 N	122.221 W	5 G	1.2	23	OREGON. ML 2.9 (GS). MD 2.6 (SEA).
21	11 01 59.8	42.338 N	122.156 W	5 G	1.0	25	OREGON. ML 3.1 (GS). MD 2.7 (SEA).
21	11 21 11.1?	24.16 S	66.64 W	247 ?	1.4	6	SALTA PROVINCE, ARGENTINA
21	11 30 24.8&	60.195 N	152.983 W	119	55		SOUTHERN ALASKA. <AEIC>.
21	11 53 16.9*	42.319 N	122.118 W	5 G	0.7	12	OREGON. ML 2.9 (GS).
21	12 20 00.0&	42.300 N	122.000 W	5 G	8		OREGON. <SPEC>. MD 2.6 (GS). Held to mainshock location.
21	12 35 11.4*	19.906 S	178.160 W	679 * 4.9	0.9	39	FIJI ISLANDS REGION
21	12 41 00.5*	42.287 N	122.060 W	5 G	0.5	13	OREGON. ML 2.7 (GS). MD 2.3 (SEA).
21	12 57 13.6?	38.53 N	0.39 W	5 G	1.0	6	SPAIN. mbLg 2.7 (MDD).
21	13 00 13.8	49.177 N	6.903 E	10 G	1.0	12	GERMANY. ML 2.6 (STR).
21	13 09 08.5	0.356 N	16.394 W	10 G 5.4 4.7	1.0	163	NORTH OF ASCENSION ISLAND
21	13 09 43.5?	42.34 N	122.22 W	5 G	0.1	6	OREGON. MD 2.5 (GS).
21	13 15 14.8?	57.98 N	6.20 E	10 G	0.8	10	NORTH SEA. MD 3.0 (BER).
21	13 18 37.1?	42.31 N	122.19 W	5 G	1.0	7	OREGON. MD 2.5 (GS), 2.0 (SEA).
21	14 03 17.7*	42.198 N	122.156 W	5 G	0.8	12	OREGON. ML 3.0 (GS).
21	14 23 04.4*	18.668 S	177.891 W	571 * 5.1	1.1	56	FIJI ISLANDS REGION
21	14 28 49.0&	42.300 N	122.000 W	5 G	5		OREGON. <SPEC>. MD 2.4 (GS). Held to mainshock location.
21	14 51 15.8	42.126 N	122.157 W	5 G	0.8	11	OREGON. ML 2.8 (GS). MD 2.4 (SEA).
21	15 06 49.2&	44.165 N	8.153 E	5 G	0.6	7	NORTHERN ITALY. ML 1.9 (GEN).
21	15 08 42.6*	31.174 S	68.349 W	100 G	0.5	5	SAN JUAN PROVINCE, ARGENTINA
21	15 11 02.5	42.327 N	121.958 W	5 G	1.2	15	OREGON. ML 3.3 (GS).

21	15	12	03.7%	15.169	N	93.162	W	33	N	0.8	8	NEAR COAST OF CHIAPAS, MEXICO		
21	15	59	53.3%	9.007	N	125.779	E	10	G	1.4	5	MINDANAO, PHILIPPINE ISLANDS		
21	16	32	00.6	25.000	N	122.784	E	151	*	0.9	20	TAIWAN REGION		
21	16	46	23.2%	61.307	N	6.823	E	10	G	0.7	5	SOUTHERN NORWAY. MD 1.7 (BER).		
21	16	51	52.3%	37.573	N	118.845	W	8			31	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.0 (GM). ML 3.0 (GS).		
21	17	01	57.2	0.217	S	78.989	W	33	N	4.4	1.1	14	ECUADOR. Felt at Quito.	
21	17	02	18.0%	34.111	N	116.723	W	8			9	SOUTHERN CALIFORNIA. <PAS-P>. MD 2.9 (PAS).		
21	17	11	34.3%	26.395	S	27.747	E	5	G	0.9	9	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).		
21	17	31	14.1	39.322	S	176.199	E	75	*	0.6	26	NORTH ISLAND, NEW ZEALAND		
21	17	34	00.1	42.252	N	122.136	W	5	G	1.0	33	OREGON. ML 3.2 (GS), 3.5 (BRK). MD 2.8 (SEA).		
21	17	48	46.3%	42.31	N	122.09	W	5	G	0.5	9	OREGON. ML 2.8 (GS).		
21	18	10	57.0	34.043	S	71.183	W	62	*	0.5	17	NEAR COAST OF CENTRAL CHILE. MD 4.4 (SAN). Felt (IV) at Talagante and (II) at Santiago.		
a	21	18	53	08.7	4.525	S	105.723	W	10	G	5.2 5.3	1.2	69	CENTRAL EAST PACIFIC RISE. Mw 5.8 (HRV). Ms 5.4 (BRK). Mo=1.4*10**18 Nm (PPT).
a	21	19	11	35.9	11.478	N	39.638	E	15	D	5.4 5.0	1.0	274	ETHIOPIA. Mw 5.7 (HRV).
21	19	12	57.9*	24.314	S	175.029	W	33	N	5.3 5.2	1.2	51	SOUTH OF TONGA ISLANDS	
21	19	26	58.6	45.776	N	26.530	E	32		3.2	1.1	28	ROMANIA	
21	19	31	58.7%	17.99	N	66.23	W	10	G		0.4	4	PUERTO RICO REGION	
21	19	38	15.0%	42.300	N	122.000	W	5			7	OREGON. <SPEC>. ML 2.8 (GS). Held to mainshock location.		
21	19	38	43.2%	57.873	N	154.984	W	45			21	KODIAK ISLAND REGION. <AEIC>. ML 3.0 (AEIC).		
21	19	43	34.5%	42.55	N	122.05	W	5	G	0.2	6	OREGON. MD 2.6 (GS).		
21	20	07	36.6%	36.867	N	4.208	W	30	*	0.6	7	STRAIT OF GIBRALTAR. mbLg 2.5 (MDD).		
21	20	21	54.5*	38.160	N	24.009	E	10	G	0.4	9	AEGEAN SEA. ML 3.0 (THE). MD 3.2 (ATH).		
21	20	45	40.1*	42.218	N	122.115	W	5	G	0.7	10	OREGON. ML 2.7 (GS).		
21	21	01	43.5%	10.376	N	67.177	W	5	G	0.5	5	NEAR COAST OF VENEZUELA		
21	21	17	33.3%	38.04	S	175.77	E	33	N	0.7	9	NORTH ISLAND, NEW ZEALAND. ML 3.8 (WEL).		
21	21	51	36.7%	42.48	N	122.06	W	5	G	0.6	8	OREGON. MD 2.7 (GS), 2.3 (SEA). Multiple event.		
21	22	10	16.4*	42.230	N	122.126	W	5	G	0.8	14	OREGON. ML 2.8 (GS).		
21	22	13	17.6	42.211	N	122.095	W	5	G	0.8	31	OREGON. ML 3.3 (GS). MD 2.8 (SEA).		
21	23	12	02.9%	37.90	N	2.50	W	5	G	1.0	4	SPAIN. mbLg 2.7 (MDD).		
21	23	40	48.6*	42.304	N	122.094	W	5	G	0.5	11	OREGON. MD 2.7 (GS).		
21	23	45	28.8	72.331	N	0.618	E	10	G	4.5	1.1	34	NORWEGIAN SEA	
21	23	45	56.2%	42.41	N	122.01	W	5	G	0.0	5	OREGON. MD 2.5 (GS).		
22	00	05	02.3%	34.381	N	116.457	W	3			8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.6 (PAS).		
22	00	30	40.7%	18.05	N	62.34	W	33	N	0.4	7	LEEWARD ISLANDS		
22	00	45	22.5*	42.278	N	122.053	W	5	G	0.8	12	OREGON. ML 2.9 (GS). MD 2.5 (SEA).		
22	01	08	45.1%	42.22	N	122.07	W	5	G	0.7	8	OREGON. ML 2.6 (GS).		
22	01	53	13.6*	14.392	N	93.419	W	49	?	4.3	1.1	9	NEAR COAST OF CHIAPAS, MEXICO	
22	01	59	06.2*	42.378	N	121.961	W	5	G	0.6	6	OREGON. ML 3.0 (GS).		
22	02	22	14.7*	42.266	N	121.992	W	5	G	0.9	11	OREGON. ML 3.1 (GS).		
22	02	39	31.5%	23.19	N	125.94	E	33	N	4.3	0.8	8	SOUTHWESTERN RYUKYU ISLANDS	
22	02	52	57.6%	39.263	N	28.927	E	10	G	0.5	5	TURKEY. ML 2.8 (ISK).		
22	03	15	52.7%	34.341	N	116.463	W	4			9	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).		
22	03	50	32.2%	42.41	N	122.04	W	5	G	0.6	8	OREGON. MD 2.5 (SEA).		
22	04	25	08.4%	42.42	N	122.07	W	5	G	0.5	8	OREGON. MD 2.5 (SEA).		
22	04	44	07.8%	10.485	N	61.702	W	10	G	0.9	8	TRINIDAD. MD 3.1 (TRN).		
22	04	52	40.0%	59.938	N	153.438	W	132			46	SOUTHERN ALASKA. <AEIC>.		
22	05	02	51.0*	35.522	N	24.146	E	10	G	3.5	0.7	5	CRETE. MD 3.6 (ATH).	
22	05	09	36.1%	24.18	S	174.93	W	32	D	5.2	1.2	9	SOUTH OF TONGA ISLANDS	
22	05	21	15.1	42.281	N	122.016	W	5	G	1.0	36	OREGON. ML 3.2 (GS). MD 2.8 (SEA).		
22	05	45	53.0%	42.300	N	122.000	W	5	G		10	OREGON. <SPEC>. ML 2.7 (GS). Multiple event. Held to mainshock location.		
22	05	50	30.7*	42.309	N	122.020	W	5	G	0.4	11	OREGON. ML 2.7 (GS). MD 2.4 (SEA).		
22	05	50	55.1%	45.941	N	2.779	E	10	G	0.3	5	FRANCE. ML 1.9 (LDG).		
22	05	53	42.4%	42.45	N	122.03	W	5	G	0.1	7	OREGON. MD 2.5 (GS).		
22	06	01	29.0%	42.300	N	122.000	W	5	G		6	OREGON. <SPEC>. MD 2.4 (GS). Held to mainshock location.		
22	06	15	41.6%	40.62	N	27.47	E	10	G	0.3	4	TURKEY. ML 2.6 (ISK).		
22	06	33	26.0%	42.300	N	122.000	W	5	G		7	OREGON. <SPEC>. MD 2.4 (GS). Held to mainshock location.		
22	06	41	14.3	42.331	N	121.950	W	5	G	0.8	31	OREGON. ML 2.9 (GS). MD 2.7 (SEA).		
a	22	06	44	19.2	15.843	S	166.383	E	44	D	5.3 4.8	1.0	66	VANUATU ISLANDS. Mw 5.2 (HRV).
22	06	59	26.0%	42.300	N	122.000	W	5	G		7	OREGON. <SPEC>. MD 2.2 (GS). Held to mainshock location.		
22	07	01	00.0%	37.201	N	116.210	W	0		4.1	82	SOUTHERN NEVADA. <DOE>. ML 4.1 (BRK). Tunnel Shot. 37' 12' 05.07" N., 116' 12' 35.73" W., Surface Elev. 2188 m., Depth of Burial 335 m., Shot Time 070100.077, Nevada Test Site. U.S. Department of Energy non-nuclear experiment using approximately 1.3 million kilograms of a commercial blasting agent.		
22	07	21	19.1	42.293	N	122.163	W	5	G	1.0	12	OREGON. ML 2.9 (GS). MD 2.4 (SEA).		
22	07	21	41.0*	32.520	S	70.458	W	106	?	1.3	15	CHILE-ARGENTINA BORDER REGION. MD 4.1 (SAN).		
22	07	22	37.8%	41.38	N	22.68	E	5	G	0.6	5	NORTHWESTERN BALKAN REGION		
22	07	24	15.2	42.319	N	122.122	W	5	G	1.0	40	OREGON. ML 3.6 (GS), 3.1 (BRK). MD 3.1 (SEA).		
22	07	31	49.1%	39.15	N	27.63	E	10	G	0.7	4	TURKEY. ML 2.8 (ISK).		
22	08	53	36.5%	40.175	N	29.290	E	10	G	0.6	8	TURKEY. ML 3.1 (ISK).		
22	08	59	38.4%	10.93	N	60.40	W	50	G	0.4	5	TRINIDAD. MD 2.8 (TRN).		
22	09	05	05.0*	23.047	N	142.948	E	54	?	4.7	1.0	24	VOLCANO ISLANDS REGION	
22	09	07	25.9	42.205	N	122.070	W	5	G	0.7	39	OREGON. ML 3.3 (GS), 3.2 (BRK). MD 2.7 (SEA).		
22	09	26	36.9*	33.401	S	72.182	W	10	G	0.6	11	OFF COAST OF CENTRAL CHILE		
22	09	27	58.6%	33.41	S	72.27	W	10	G	0.4	9	OFF COAST OF CENTRAL CHILE		
22	10	39	09.5%	44.333	N	7.068	E	11		0.3	10	NORTHERN ITALY. ML 2.2 (GEN).		
22	11	21	21.1%	40.358	N	21.684	E	33	N	0.8	6	GREECE		
22	11	51	19.8%	31.62	S	68.83	W	100	G	0.1	4	SAN JUAN PROVINCE, ARGENTINA		
22	12	06	59.4%	39.64	N	29.52	E	10	G	0.9	4	TURKEY. ML 2.7 (ISK).		
22	12	14	00.1%	39.27	N	27.68	E	10	G	0.7	4	TURKEY. ML 2.8 (ISK).		
22	12	20	08.3*	42.347	N	23.985	E	10	G	0.5	6	BULGARIA. ML 3.0 (THE).		
22	12	21	03.8%	42.37	N	122.11	W	5	G	1.0	8	OREGON. MD 2.5 (GS).		
f	22	12	37	03.5	6.470	S	154.901	E	28	G	6.1 6.0	1.0	587	SOLOMON ISLANDS. Mw 6.1 (GS), 6.1 (HRV). Ms 6.0 (BRK). Mo=1.6*10**18 Nm (PPT). Depth from broadband

22	12	50	25.2?	28.53	S	176.86	W	33	N	4.4	1.6	5	displacement seismograms.
22	13	24	23.6*	44.966	S	167.400	E	155	*		0.3	15	KERMADEC ISLANDS REGION
22	13	52	49.2*	4.333	S	152.876	E	61	*	4.9	0.8	27	SOUTH ISLAND, NEW ZEALAND
22	13	56	08.8	42.243	N	122.079	W	5	G		1.0	30	NEW BRITAIN REGION, P.N.G. Felt (III) at Rabaul.
22	14	02	57.2%	42.509	N	7.832	W	15			0.4	7	OREGON. ML 3.3 (GS).
22	14	18	26.1*	42.211	N	122.142	W	5	G		0.8	10	SPAIN. mbLg 3.1 (MDD).
22	14	31	03.5?	29.67	S	70.95	W	158	?		1.0	10	OREGON. MD 2.8 (GS).
22	15	23	06.8*	42.303	N	122.012	W	5	G		1.0	10	CENTRAL CHILE
22	15	26	29.2	8.173	N	82.472	W	41	D	4.6	1.0	39	OREGON. ML 3.1 (GS). MD 2.5 (SEA).
22	16	03	52.4&	61.350	N	146.251	W	27				49	PANAMA-COSTA RICA BORDER REGION. Felt in much of Chiriqui Province, Panama.
22	16	15	36.4	4.060	N	122.892	E	557		4.9	1.0	73	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
22	16	30	15.8?	42.38	N	122.07	W	5	G		0.6	11	CELEBES SEA
22	16	36	24.6*	42.216	N	122.133	W	5	G		0.5	10	OREGON. ML 2.9 (GS). MD 2.3 (SEA).
22	17	03	31.0	31.090	N	130.421	E	168		4.5	0.9	23	OREGON. ML 2.6 (GS). MD 2.4 (SEA).
22	17	11	01.3*	50.146	N	12.205	E	10	G		0.4	5	KYUSHU, JAPAN
22	17	25	20.8*	33.410	S	72.133	W	10	G		0.7	13	GERMANY. ML 2.0 (GRF).
22	17	30	23.8	47.386	N	13.035	E	10	G		0.9	7	OFF COAST OF CENTRAL CHILE. MD 4.2 (SAN).
22	17	35	53.5	34.835	N	26.556	E	76	*	4.0	1.5	44	AUSTRIA. ML 2.2 (FUR), 2.1 (VIE).
22	17	55	05.2	42.254	N	122.029	W	5	G		0.9	33	CRETE. MD 4.1 (ATH).
22	18	21	45.7*	47.317	S	13.437	W	10	G	4.9	0.7	10	OREGON. ML 3.3 (GS). MD 2.9 (SEA).
22	18	25	57.2?	36.49	N	29.02	E	33	N		0.8	6	SOUTHERN MID-ATLANTIC RIDGE
22	18	30	44.4?	42.31	N	122.15	W	5	G		0.7	9	TURKEY. ML 3.3 (ISK).
22	18	51	40.1&	61.366	N	147.715	W	30				54	OREGON. ML 2.8 (GS).
22	19	07	13.7?	16.73	N	61.98	W	120	G		0.2	4	SOUTHERN ALASKA. <AEIC>. ML 2.6 (AEIC).
22	19	41	49.5*	42.345	N	122.054	W	5	G		0.5	12	LEEWARD ISLANDS
22	20	09	17.9*	6.773	N	72.948	W	162	*		0.7	10	OREGON. ML 2.8 (GS).
22	20	12	20.5	42.179	N	122.055	W	5	G		0.9	33	NORTHERN COLOMBIA
22	20	46	18.0?	19.53	N	120.84	E	95	*	4.4	1.1	7	OREGON. ML 3.3 (GS), 3.4 (BRK). MD 2.9 (SEA).
22	21	07	07.2*	42.263	N	122.090	W	5	G		0.7	11	PHILIPPINE ISLANDS REGION
22	21	25	59.7*	42.326	N	122.183	W	5	G		0.8	13	OREGON. ML 2.9 (GS).
22	22	30	38.0%	29.476	S	66.769	W	33	N		1.1	7	OREGON. ML 3.1 (GS).
22	22	39	25.8?	26.38	S	27.43	E	5	G		0.7	4	LA RIOJA PROVINCE, ARGENTINA
22	23	22	41.5?	5.16	N	126.90	E	33	N	4.8	1.4	5	REPUBLIC OF SOUTH AFRICA. ML 3.1 (PRE).
22	23	36	00.1	51.605	N	16.271	E	10	G		0.5	18	MINDANAO, PHILIPPINE ISLANDS
23	00	02	40.6?	16.95	N	60.97	W	10	G		0.2	4	POLAND. ML 3.6 (GRF), 3.4 (VIE).
23	00	41	52.4&	34.581	N	116.550	W	8				6	LEEWARD ISLANDS. ML 2.6 (FDF).
23	01	00	59.4*	42.254	N	122.128	W	5	G		0.7	10	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
23	01	33	54.6	42.204	N	122.152	W	5	G		1.0	31	OREGON. ML 3.0 (GS). MD 2.5 (SEA).
23	01	35	27.2?	36.31	N	21.60	E	10	G		0.5	4	OREGON. ML 3.2 (GS). MD 2.7 (SEA).
23	01	37	16.9?	20.22	S	178.18	W	529	?	4.5	1.2	29	SOUTHERN GREECE. MD 3.5 (ATH).
23	01	59	25.7	42.182	N	122.180	W	5	G		1.0	18	FIJI ISLANDS REGION
23	02	52	05.1?	1.31	N	120.45	E	33	N	5.2	1.5	5	OREGON. ML 2.9 (GS).
23	03	04	02.5%	31.096	S	68.361	W	100	G		0.4	6	MINAHASSA PENINSULA, SULAWESI
23	03	11	58.5%	26.375	S	27.409	E	5	G		1.0	6	SAN JUAN PROVINCE, ARGENTINA
23	03	16	07.0?	32.21	S	71.03	W	80	G		0.4	7	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).
23	03	52	03.5*	42.310	N	121.996	W	5	G		0.6	11	NEAR COAST OF CENTRAL CHILE. MD 3.6 (SAN).
23	04	16	09.8*	22.078	S	179.297	W	585	*	5.0	1.2	40	OREGON. ML 2.9 (GS). MD 2.5 (SEA). Multiple event.
23	04	22	09.7?	31.44	S	69.00	W	118	?		0.3	5	SOUTH OF FIJI ISLANDS
23	04	52	30.6	43.663	N	16.942	E	9			0.9	30	SAN JUAN PROVINCE, ARGENTINA
23	05	21	29.5	42.478	N	19.093	E	10	G		1.2	14	NORTHWESTERN BALKAN REGION. MD 3.8 (TRI). ML 3.6 (TIR), 3.5 (VIE), 3.5 (ZAG). Felt (IV) at Makarska, Croatia.
23	05	37	51.3*	45.859	N	14.937	E	10	G		0.3	5	NORTHWESTERN BALKAN REGION
23	05	49	52.7*	37.927	N	21.899	E	10	G		1.0	6	NORTHWESTERN BALKAN REGION. MD 2.6 (LJU).
23	06	05	36.3	42.329	N	122.014	W	5	G		0.8	28	SOUTHERN GREECE. ML 3.1 (ATH).
23	06	21	10.4	42.283	N	121.957	W	5	G	4.3	0.9	87	OREGON. ML 3.1 (GS). MD 2.6 (SEA).
23	06	23	10.1*	38.473	S	175.758	E	200	?		0.4	19	OREGON. ML 4.1 (GS). MD 4.0 (SEA). Felt at Klamath Falls.
23	06	33	44.1?	40.84	N	28.34	E	10	G		0.2	4	NORTH ISLAND, NEW ZEALAND
23	06	45	28.4&	46.065	N	74.605	W	18	G			44	TURKEY. ML 2.8 (ISK).
23	06	46	52.9&	60.528	N	153.108	W	137				85	SOUTHERN QUEBEC, CANADA. <OTT-P>. mbLg 3.8 (OTT), 3.5 (GS). Felt in the Mt. Tremblant region. Felt mildly in the Ottawa region. Also felt in the Gatineau, St-Adele, St-Andre-Avellin and St-Jovite areas. Felt at Hannawa Falls, New York.
23	06	52	48.4	35.064	N	137.001	E	31			0.8	15	SOUTHERN ALASKA. <AEIC>.
23	07	08	19.1	23.707	S	179.930	W	525		4.8	1.0	85	EASTERN HONSHU, JAPAN
23	07	09	20.3	13.632	N	60.408	W	33	N		0.7	16	SOUTH OF FIJI ISLANDS
23	07	10	47.3*	0.070	N	16.181	W	10	G	4.9	1.3	23	WINDWARD ISLANDS. MD 3.8 (TRN). ML 3.4 (FDF).
23	07	18	22.2?	37.34	S	177.20	E	221	?		0.6	12	NORTH OF ASCENSION ISLAND
23	07	20	40.4	39.114	S	174.749	E	260	*		0.3	27	OFF E. COAST OF N. ISLAND, N.Z.
23	07	37	31.2*	55.150	N	164.814	W	194	*	4.1	1.1	32	NORTH ISLAND, NEW ZEALAND
23	08	10	00.8?	39.16	N	27.59	E	10	G		0.2	4	UNIMAK ISLAND REGION
23	08	29	11.9?	44.02	N	7.94	E	5	G		0.4	4	TURKEY. ML 2.8 (ISK).
23	08	50	14.2?	40.61	N	23.00	E	10	G		0.1	4	NORTHERN ITALY. ML 1.3 (GEN).
23	08	54	48.9?	18.52	N	147.02	E	33	N	4.2	1.2	6	GREECE. ML 1.4 (THE).
23	09	17	46.0&	63.242	N	150.347	W	118				66	MARIANA ISLANDS REGION
23	10	58	12.3	9.030	N	121.747	E	36	D	4.9	0.9	57	CENTRAL ALASKA. <AEIC>.
23	11	02	11.4?	31.40	S	69.18	W	100	G		0.3	4	SULU SEA
23	11	09	52.0	40.488	N	21.848	E	10	G		0.9	9	SAN JUAN PROVINCE, ARGENTINA
23	11	38	10.8?	39.68	N	29.52	E	10	G		0.2	4	GREECE. ML 2.3 (THE).
23	11	42	54.8?	42.54	N	121.96	W	5	G		0.3	8	TURKEY. ML 2.7 (ISK).
23	12	16	34.2*	28.418	S	68.800	W	10	G		1.5	6	OREGON. MD 2.6 (GS), 2.3 (SEA).
23	12	29	28.3%	26.403	S	27.387	E	5	G		1.0	5	LA RIOJA PROVINCE, ARGENTINA
23	12	32	38.4*	37.333	N	23.214	E	10	G		0.9	5	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
23	12	33	24.8	37.081	N	24.038	E	10	G	4.2	1.4	35	SOUTHERN GREECE. ML 3.4 (ATH).
23	13	08	52.5?	13.72	N	120.45	E	100	G		0.5	4	SOUTHERN GREECE. ML 3.8 (ATH), 3.6 (THE).
23	14	09	15.2%	14.285	N	92.154	W	33	N		0.5	6	MINDORO, PHILIPPINE ISLANDS
23	14	33	16.8?	0.39	N	16.22	W	10	G	4.9	1.3	9	NEAR COAST OF CHIAPAS, MEXICO. MD 4.0 (GCG).
23	15	02	59.1	42.279	N	122.100	W	5	G		0.7	16	NORTH OF ASCENSION ISLAND
23	17	06	33.0	43.158	N	17.810	E	5	G		0.6	12	OREGON. ML 2.7 (GS). MD 2.7 (SEA).
23	17	16	40.6	9.105	N	150.219	E	33	N	5.0	1.1	84	NORTHWESTERN BALKAN REGION
													E. CAROLINE ISLANDS, MICRONESIA

	23	18	05	12.9%	40.122	N	29.306	E	10	G		0.5	7	TURKEY. ML 2.7 (ISK).
	23	18	45	18.6?	14.75	N	93.48	W	33	N	4.4	0.8	9	NEAR COAST OF CHIAPAS, MEXICO
	23	19	46	03.6?	39.01	N	23.41	E	10	G		0.7	5	AEGEAN SEA. ML 2.2 (THE).
	23	20	01	17.9%	40.183	N	28.965	E	10	G		0.3	5	TURKEY. ML 2.6 (ISK).
a	23	20	04	00.8	78.517	N	6.928	E	10	G	4.9 4.8	0.9	79	SVALBARD REGION. Mw 5.1 (HRV).
	23	20	08	31.6%	37.104	N	4.383	W	10	G		0.7	6	SPAIN. mbLg 2.5 (MDD).
	23	21	59	55.4*	4.278	S	102.824	E	80	?	4.9	0.7	11	SOUTHERN SUMATERA, INDONESIA
	23	22	04	10.2%	42.115	N	112.291	W	8				15	EASTERN IDAHO. <SLC-P>. MD 3.3 (SLC).
	23	22	05	17.6*	1.010	N	126.469	E	69	*	4.6	1.0	19	NORTHERN MOLUCCA SEA
	23	22	06	08.1*	44.589	N	17.788	E	5	G		1.3	9	NORTHWESTERN BALKAN REGION. ML 3.1 (VIE), 2.8 (ZAG).
	23	22	26	42.2%	61.607	N	151.633	W	79				55	SOUTHERN ALASKA. <AEIC>.
	23	22	44	51.6?	40.70	N	1.19	W	10	G		1.6	5	SPAIN. mbLg 2.9 (MDD).
	23	23	54	07.4	42.148	N	122.023	W	5	G		0.9	21	OREGON. ML 3.3 (GS).
	24	00	17	15.1?	39.09	N	23.67	E	5	G		0.1	4	AEGEAN SEA. ML 2.4 (THE).
a	24	00	57	25.5	6.087	N	125.376	E	102	D	5.3	1.0	155	MINDANAO, PHILIPPINE ISLANDS. Mw 5.4 (HRV).
	24	01	57	56.5	42.316	N	122.141	W	5	G		0.8	54	OREGON. ML 3.8 (GS), 3.6 (BRK).
	24	02	00	31.1	49.171	N	6.878	E	10	G		0.5	15	GERMANY. ML 2.5 (STR), 2.3 (UCC).
	24	02	42	10.3%	39.545	N	1.292	W	10	G		1.0	5	SPAIN. mbLg 3.0 (MDD).
	24	03	01	29.0*	20.666	S	68.837	W	33	N		1.5	5	CHILE-BOLIVIA BORDER REGION
	24	03	21	01.0%	40.706	N	27.513	E	10	G		0.5	5	TURKEY. ML 2.6 (ISK).
	24	03	41	49.3?	33.51	S	178.69	W	33	N	4.2	0.8	5	SOUTH OF KERMADEC ISLANDS
	24	04	45	58.6	43.271	N	126.513	W	10	G	4.0	0.6	99	OFF COAST OF OREGON
	24	05	13	15.3	40.070	N	27.185	E	5	G		0.5	15	TURKEY. ML 3.1 (ISK).
	24	05	24	11.9	14.124	N	93.487	W	32	D	4.3	1.1	31	NEAR COAST OF CHIAPAS, MEXICO
	24	06	00	51.8%	26.824	S	26.778	E	5	G		1.0	7	REPUBLIC OF SOUTH AFRICA. ML 2.6 (PRE).
	24	06	07	02.9	6.544	S	155.116	E	50	D	5.1	0.9	41	SOLOMON ISLANDS
	24	06	14	41.8*	21.281	S	68.361	W	150	*		1.5	12	CHILE-BOLIVIA BORDER REGION
	24	08	55	18.8	7.600	S	119.379	E	282	*	5.0	1.2	23	FLORES SEA
	24	09	06	23.0?	40.64	N	22.80	E	10	G		0.7	4	GREECE. ML 1.3 (THE).
	24	09	14	19.9%	29.264	S	68.454	W	10	G		1.2	6	SAN JUAN PROVINCE, ARGENTINA
	24	09	18	58.6%	39.684	N	29.579	E	10	G		0.5	6	TURKEY. ML 2.8 (ISK).
	24	10	29	25.2	43.097	N	0.627	W	10	G		0.7	11	PYRENEES. ML 2.3 (LDG).
	24	11	11	57.0%	26.429	S	27.331	E	5	G		1.1	7	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).
	24	11	24	17.2*	14.196	S	72.798	W	10	G		0.7	5	CENTRAL PERU
	24	13	06	45.8*	34.964	S	179.796	W	33	N	4.0	0.3	8	SOUTH OF KERMADEC ISLANDS
	24	13	12	05.4*	33.292	S	69.869	W	132	?		0.4	13	CHILE-ARGENTINA BORDER REGION. MD 3.8 (SAN).
	24	13	14	51.9	41.203	N	21.936	E	10	G		0.8	10	NORTHWESTERN BALKAN REGION. ML 2.2 (THE).
	24	13	26	52.5*	20.970	S	69.066	W	137	?		0.6	7	NORTHERN CHILE
	24	13	30	29.2%	40.363	N	21.328	E	5	G		0.8	9	GREECE. ML 2.5 (THE).
	24	13	41	33.2*	14.182	N	93.095	W	33	N	4.1	0.7	8	NEAR COAST OF CHIAPAS, MEXICO
	24	15	28	53.7%	40.724	N	23.445	E	10	G		0.7	6	GREECE. ML 1.9 (THE).
	24	15	52	32.8%	26.208	S	28.168	E	5	G		0.5	5	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
	24	16	03	54.2	6.765	N	72.889	W	166	?		1.2	12	NORTHERN COLOMBIA
	24	16	14	06.0	26.323	S	27.189	E	5	G		1.4	8	REPUBLIC OF SOUTH AFRICA. ML 3.4 (PRE). mbLg 3.6 (BUL).
	24	16	17	26.0*	9.562	S	122.457	E	33	N	4.7	1.4	19	SAVU SEA
	24	16	35	50.0	3.965	S	129.943	E	33	N	4.8	1.1	32	SERAM, INDONESIA
	24	16	43	19.2	43.467	N	17.375	E	5	G		1.1	20	NORTHWESTERN BALKAN REGION. MD 3.6 (TRI).
	24	16	53	30.5	42.326	N	122.019	W	5	G	4.0	1.0	81	OREGON. ML 4.1 (GS). Felt (IV) at Dairy and (III) at Keno. Also felt at Klamath Falls, Oregon and Tululake, California.
	24	17	03	36.8%	64.197	N	164.414	W	0				20	NORTHERN ALASKA. <AEIC>. ML 3.8 (AEIC), 3.9 (PMR). Felt (III) at Nome.
	24	17	25	24.5	42.238	N	122.037	W	5	G		1.0	22	OREGON. ML 3.5 (GS). MD 3.4 (SEA).
	24	17	40	53.2*	12.637	N	124.065	E	123	*	4.3	1.0	6	SAMAR, PHILIPPINE ISLANDS
	24	17	50	55.2	42.286	N	121.982	W	5	G		0.7	13	OREGON. ML 2.9 (GS).
	24	18	14	02.7*	45.626	N	15.738	E	10	G		0.7	7	NORTHWESTERN BALKAN REGION
	24	18	17	57.5%	57.044	N	157.449	W	125				35	ALASKA PENINSULA. <AEIC>.
	24	18	24	01.8*	37.947	N	27.018	E	10	G		1.4	6	TURKEY. ML 3.2 (ISK).
	24	18	27	15.0%	36.560	N	89.580	W	7				19	NEW MADRID, MISSOURI REGION. <SLM-P>. MD 2.8 (SLM) mbLg 3.0 (GS). Felt (IV) at Marston and Parma. Felt (III) at Lilbourn.
	24	18	52	21.5*	14.466	N	92.972	W	56	*	4.3	1.1	18	NEAR COAST OF CHIAPAS, MEXICO
	24	19	22	23.4	14.370	S	167.138	E	179		4.9	0.9	103	VANUATU ISLANDS
	24	20	32	01.9%	39.628	N	27.501	E	10	G		0.3	7	TURKEY. ML 2.8 (ISK).
	24	20	38	10.4%	59.017	N	152.130	W	62				41	SOUTHERN ALASKA. <AEIC>. ML 2.5 (AEIC).
	24	21	20	08.6*	42.351	N	121.985	W	5	G		0.6	13	OREGON. ML 3.0 (GS). MD 2.8 (SEA).
	24	21	34	47.0	42.191	N	122.076	W	5	G		0.6	18	OREGON. ML 3.1 (GS).
	24	21	57	42.8	10.489	N	61.952	W	55	?		0.8	15	TRINIDAD. MD 3.6 (TRN).
	24	22	05	41.1	39.317	N	22.815	E	10	G		0.8	11	GREECE. ML 2.7 (THE).
	24	22	32	14.8%	60.566	N	148.884	W	24				42	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.6 (AEIC).
	24	22	36	24.7*	3.829	S	103.810	W	10	G	4.7	0.7	34	CENTRAL EAST PACIFIC RISE
	24	22	37	08.3%	40.838	N	28.121	E	10	G		0.5	10	TURKEY. ML 3.0 (ISK).
	24	22	43	57.1	26.371	S	27.450	E	5	G		1.0	8	REPUBLIC OF SOUTH AFRICA. ML 2.9 (PRE).
	24	23	15	40.4	44.130	N	8.095	E	5	G		0.5	12	NORTHERN ITALY. ML 2.2 (GEN), 2.1 (LDG).
	24	23	25	23.9%	40.300	N	29.744	E	9			0.6	13	TURKEY. ML 2.9 (ISK).
	24	23	26	21.7*	20.962	S	69.106	W	120	G		0.8	5	NORTHERN CHILE
	24	23	39	15.5	40.271	N	29.779	E	10	G		0.6	17	TURKEY. ML 3.4 (ISK).
	24	23	54	22.9%	44.303	N	7.368	E	10	G		0.7	5	NORTHERN ITALY. ML 1.7 (GEN).
	25	00	07	01.1	42.399	N	139.092	E	22	D	5.0	0.9	157	HOKKAIDO, JAPAN REGION
	25	01	16	23.0%	42.300	N	122.000	W	5	G			9	OREGON. <SPEC>. MD 2.8 (GS). Held to mainshock location.
	25	02	13	37.3?	15.65	N	61.37	W	100	G		0.5	4	LEEWARD ISLANDS
	25	02	26	55.8%	37.429	N	118.621	W	12				80	CALIFORNIA-NEVADA BORDER REGION. <GM-P>. MD 3.8 (GM). ML 4.1 (BRK).
	25	02	33	25.0?	0.80	N	100.63	E	33	N	4.5	1.1	7	NORTHERN SUMATERA, INDONESIA
	25	03	37	47.9%	40.572	N	21.059	E	10	G		0.7	7	GREECE. ML 2.4 (THE).
	25	04	14	49.3*	47.770	S	31.999	E	10	G	5.0 5.0	1.1	46	SOUTH OF AFRICA
	25	04	44	19.4	38.167	N	73.002	E	103	*	4.4	0.9	36	TAJIKISTAN-XINJIANG BORDER REG.
	25	05	07	07.3%	63.258	N	151.200	W	9				36	CENTRAL ALASKA. <AEIC>. ML 2.9 (AEIC).
	25	06	13	01.8%	15.795	N	93.999	W	33	N		1.1	6	NEAR COAST OF CHIAPAS, MEXICO
	25	06	44	35.1?	32.07	S	67.68	W	5	G		0.8	4	MENDOZA PROVINCE, ARGENTINA
	25	06	46	07.5%	59.356	N	152.557	W	68				52	SOUTHERN ALASKA. <AEIC>. ML 2.9 (AEIC).
	25	06	46	31.6%	33.673	S	71.747	W	18	*		0.3	9	NEAR COAST OF CENTRAL CHILE

25	07 00 15.0*	37.834 N	21.151 E	5 G	3.4	1.2	17	SOUTHERN GREECE. ML 3.3 (ATH).
25	07 33 01.5	39.014 S	175.542 E	165 *		0.8	34	NORTH ISLAND, NEW ZEALAND
25	07 42 17.8&	60.281 N	151.596 W	62			46	KENAI PENINSULA, ALASKA. <AEIC>. ML 2.5 (AEIC).
25	08 52 48.4?	32.41 S	71.68 W	5 G		1.0	9	NEAR COAST OF CENTRAL CHILE. MD 3.7 (SAN).
25	09 24 18.9?	37.06 N	3.81 W	10 G		1.5	4	SPAIN. mblg 2.5 (MDD).
25	09 33 08.2%	39.109 N	27.639 E	10 G		0.2	5	TURKEY. ML 2.7 (ISK).
25	09 39 10.9	40.067 N	27.185 E	10 G		0.8	42	TURKEY. ML 4.1 (ATH), 3.7 (ISK). Felt at Canakkale.
25	09 44 42.9?	13.76 N	120.43 E	33 N		0.7	4	MINDORO, PHILIPPINE ISLANDS
25	09 48 00.1	42.309 N	122.009 W	5 G		0.6	14	OREGON. ML 2.8 (GS).
25	10 45 36.1*	51.685 N	7.878 E	10 G		1.4	6	GERMANY. ML 2.2 (BNS).
25	11 11 49.6	40.520 N	23.557 E	11		1.1	28	GREECE. MD 3.4 (ATH). ML 3.1 (THE).
25	11 18 14.6%	40.844 N	28.685 E	10 G		0.4	8	TURKEY. ML 2.7 (ISK).
25	11 19 01.9	44.929 N	9.833 E	10 G		0.9	25	NORTHERN ITALY. ML 2.9 (LDG).
25	11 33 14.6	15.971 S	173.803 W	116 D	5.2	1.0	149	TONGA ISLANDS
25	11 55 14.5%	40.509 N	23.563 E	10 G		0.6	8	GREECE. ML 1.7 (THE).
25	12 01 16.9%	39.131 N	27.602 E	10 G		0.3	6	TURKEY. ML 2.7 (ISK).
25	12 02 27.7%	39.658 N	29.479 E	10 G		0.5	7	TURKEY. ML 2.8 (ISK).
25	12 23 23.0%	40.514 N	23.553 E	10 G		0.5	6	GREECE
25	12 25 55.9	38.248 S	176.400 E	150 *		0.9	26	NORTH ISLAND, NEW ZEALAND
25	12 31 25.7*	37.642 S	177.667 E	90 ?		0.5	10	OFF E. COAST OF N. ISLAND, N.Z.
25	12 37 42.4%	40.516 N	23.559 E	10 G		0.5	8	GREECE. ML 2.1 (THE).
25	12 56 33.7%	39.940 N	23.835 E	10 G		0.4	9	AEIGIAN SEA. ML 2.3 (THE).
25	13 31 20.3%	40.509 N	23.563 E	10 G		0.5	6	GREECE. ML 1.9 (THE).
25	13 33 43.0%	39.668 N	29.406 E	10 G		0.3	6	TURKEY. ML 2.8 (ISK).
25	13 49 40.9	51.521 N	16.124 E	5 G		0.6	13	POLAND. ML 3.7 (GRF), 3.4 (VIE).
25	14 10 26.9%	40.821 N	28.678 E	10 G		0.6	8	TURKEY. ML 2.7 (ISK).
25	14 17 22.6%	41.155 N	28.471 E	10 G		0.5	9	TURKEY. ML 2.7 (ISK).
25	15 04 24.4*	33.646 S	72.191 W	14		0.8	17	OFF COAST OF CENTRAL CHILE. MD 4.5 (SAN).
25	15 07 23.1%	33.600 S	72.100 W	10 G		0.6	10	OFF COAST OF CENTRAL CHILE. MD 4.0 (SAN).
25	15 18 53.6?	21.14 S	68.63 W	130 G		0.5	5	CHILE-BOLIVIA BORDER REGION
25	15 23 23.9&	32.376 N	115.052 W	6 G			12	CALIF.-BAJA CALIF. BORDER REGION. <PAS-P>. ML 3.0 (PAS).
25	15 27 30.3?	33.61 S	72.12 W	10 G		0.6	8	OFF COAST OF CENTRAL CHILE. MD 3.8 (SAN).
25	15 41 45.2?	3.39 S	130.49 E	33 N	4.8	1.3	8	SERAM, INDONESIA
25	16 12 56.3*	45.590 N	15.757 E	10 G		0.7	9	NORTHWESTERN BALKAN REGION. ML 2.0 (ZAG).
25	16 54 38.7?	44.42 N	7.36 E	10 G		0.1	4	NORTHERN ITALY. ML 1.4 (GEN).
25	16 58 29.3?	23.02 S	179.47 E	550 G	4.7	1.1	16	SOUTH OF FIJI ISLANDS
25	17 11 33.0%	33.586 S	71.857 W	21		0.4	10	NEAR COAST OF CENTRAL CHILE. MD 4.0 (SAN).
25	18 26 23.6*	14.132 N	93.836 W	10 G	4.1	1.4	12	NEAR COAST OF CHIAPAS, MEXICO
25	19 05 28.5&	60.631 N	149.783 W	35			60	KENAI PENINSULA, ALASKA. <AEIC>. ML 3.1 (AEIC).
25	19 41 58.3	42.228 N	122.092 W	5 G		1.0	27	OREGON. ML 3.0 (GS). MD 2.7 (SEA).
25	20 25 09.1	39.060 S	174.747 E	268		0.6	50	NORTH ISLAND, NEW ZEALAND
25	21 06 31.8	23.195 S	71.276 W	10 G	5.1	1.2	18	OFF COAST OF NORTHERN CHILE. Felt (III) at Antofagasta.
25	21 10 12.4?	19.04 N	65.33 W	10 G		0.4	7	PUERTO RICO REGION
25	21 23 48.1?	6.42 S	155.05 E	109 ?	4.4	0.8	9	SOLOMON ISLANDS
25	22 10 35.2*	37.803 S	176.635 E	213 ?		0.7	25	NORTH ISLAND, NEW ZEALAND
25	23 24 09.7	42.750 N	1.988 E	5 G		0.7	8	PYRENEES. ML 2.2 (LDG).
25	23 24 36.4?	32.12 N	80.64 E	33 N	4.5	0.8	6	XIZANG
26	01 37 18.4&	61.627 N	150.837 W	57			85	SOUTHERN ALASKA. <AEIC>. ML 3.6 (AEIC), 3.8 (PMR). Felt (III) at Palmer.
26	01 52 54.2	58.248 N	156.037 W	33 N		0.8	38	ALASKA PENINSULA. ML 3.8 (AEIC), 3.4 (PMR).
26	02 29 34.3	36.253 N	71.219 E	106 *	4.6	1.1	63	AFGHANISTAN-TAJIKISTAN BORD REG. Felt at Peshawar and Chitral, Pakistan.
26	02 40 12.6&	63.263 N	151.076 W	6			46	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC), 2.9 (PMR).
26	02 41 41.4&	61.643 N	149.634 W	31			70	SOUTHERN ALASKA. <AEIC>. ML 2.8 (AEIC), 3.3 (PMR). Felt (II) at Palmer.
26	03 19 16.4	28.848 S	70.936 W	72 *		1.3	30	CENTRAL CHILE
f 26	03 31 14.6	9.997 N	138.222 E	10 G	6.1 6.0	1.1	382	WESTERN CAROLINE ISLANDS. Mw 6.3 (GS), 6.3 (HRV). Ms 5.9 (BRK). Mo=8.7*10**18 Nm (PPT). Felt on Yap. Depth from broadband displacement seismograms.
26	04 08 59.7?	44.92 S	166.36 E	5 G		0.7	13	OFF W. COAST OF S. ISLAND, N.Z. ML 4.0 (WEL).
26	05 29 30.4*	5.182 S	141.554 E	10 G	4.6	1.0	7	NEW GUINEA, PAPUA NEW GUINEA
26	05 40 15.0&	34.957 N	116.775 W	0			13	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
26	05 41 57.8?	5.56 S	151.98 E	61 ?	4.5	1.0	6	NEW BRITAIN REGION, P.N.G.
26	05 47 37.7&	59.188 N	153.039 W	82			21	SOUTHERN ALASKA. <AEIC>.
26	06 15 32.4%	16.713 N	61.472 W	10 G		0.3	5	LEEWARD ISLANDS. ML 2.6 (FDF).
26	06 36 16.2&	59.006 N	154.646 W	130			87	SOUTHERN ALASKA. <AEIC>.
26	06 39 20.5%	37.002 N	28.579 E	10 G		1.4	7	TURKEY
26	07 46 41.4	21.345 S	68.622 W	171 *		0.7	12	CHILE-BOLIVIA BORDER REGION
26	07 53 04.8%	43.109 N	0.943 W	10 G		0.3	5	PYRENEES. ML 1.0 (STR).
26	07 53 26.4	37.713 N	20.802 E	39	4.4	1.3	92	IONIAN SEA. ML 4.7 (TIR), 4.5 (ATH), 4.3 (THE). Felt on Zakynthos and at Pargos, Greece.
26	08 20 39.8*	15.077 S	72.309 W	224 ?		0.7	7	SOUTHERN PERU
26	08 22 52.2?	37.42 N	30.12 E	10 G		0.6	4	TURKEY. ML 3.5 (ISK).
26	08 35 12.6*	33.468 S	72.236 W	10 G		0.4	10	OFF COAST OF CENTRAL CHILE. MD 4.3 (SAN).
26	08 41 12.3%	40.433 N	21.828 E	5 G		0.6	5	GREECE. ML 1.9 (THE).
26	08 47 03.8?	18.52 S	176.63 W	139 ?	4.8	1.0	15	FIJI ISLANDS REGION
26	09 01 28.7&	63.337 N	145.316 W	3			35	CENTRAL ALASKA. <AEIC>. ML 2.5 (AEIC).
26	11 01 23.1%	39.121 N	27.645 E	10 G		0.6	5	TURKEY. ML 2.7 (ISK).
26	11 44 04.1?	31.48 S	68.39 W	97 ?		0.4	6	SAN JUAN PROVINCE, ARGENTINA
a 26	11 55 52.0	13.009 N	145.016 E	64 D	5.8	1.0	306	MARIANA ISLANDS. Mw 5.8 (GS), 5.8 (HRV). Mo=8.5*10**17 Nm (PPT). Felt (IV) in the Orote area, Guam. Felt in the northern part of Guam.
26	12 14 59.2	6.817 N	72.994 W	163	4.6	0.9	62	NORTHERN COLOMBIA
26	12 46 15.6&	63.404 N	149.942 W	11			65	CENTRAL ALASKA. <AEIC>. ML 2.7 (AEIC), 2.8 (PMR).
26	13 15 25.1?	38.75 N	22.56 E	107 ?		0.2	10	GREECE
26	13 38 34.4%	39.095 N	27.582 E	10 G		0.5	6	TURKEY. ML 2.7 (ISK).
26	14 12 23.0%	39.665 N	29.503 E	10 G		0.3	5	TURKEY. ML 2.7 (ISK).
26	14 48 58.5%	39.759 N	29.644 E	10 G		0.8	7	TURKEY. ML 2.8 (ISK).
26	14 59 01.3?	39.68 N	29.45 E	10 G		0.5	4	TURKEY. ML 2.8 (ISK).
26	15 02 00.7	43.588 N	16.900 E	5 G		1.0	14	NORTHWESTERN BALKAN REGION. MD 3.2 (TRI).
26	15 45 43.6%	40.551 N	23.712 E	10 G		0.7	5	GREECE. ML 2.1 (THE).
26	15 59 03.2	2.028 N	126.473 E	14 D	5.2 4.2	1.0	96	NORTHERN MOLUCCA SEA

26	16	08	44.3&	58.618 N	154.318 W	0			43	ALASKA PENINSULA. <AEIC>. ML 3.1 (AEIC).
26	16	31	09.8*	28.099 S	68.904 W	10 G		1.5	7	LA RIOJA PROVINCE, ARGENTINA
26	17	06	08.1&	26.367 S	27.457 E	5 G		0.7	6	REPUBLIC OF SOUTH AFRICA. ML 2.5 (PRE).
26	17	39	24.7	5.664 N	127.160 E	148	4.9	1.0	62	PHILIPPINE ISLANDS REGION
26	18	00	32.9&	38.748 N	26.682 E	10 G		0.5	5	AEGEAN SEA. ML 2.8 (ISK).
26	18	09	49.8?	44.50 N	7.32 E	10 G		0.2	4	NORTHERN ITALY. ML 1.5 (GEN).
26	19	22	07.3?	11.68 N	144.37 E	33 N	4.4	1.1	7	SOUTH OF MARIANA ISLANDS
26	19	47	12.1	26.336 S	27.503 E	5 G		1.0	8	REPUBLIC OF SOUTH AFRICA. ML 3.0 (PRE).
26	20	42	49.6?	11.85 S	76.68 W	100 G		0.4	4	CENTRAL PERU
26	21	25	07.6*	10.073 N	138.621 E	33 N	4.6	1.1	13	WESTERN CAROLINE ISLANDS
26	22	09	51.7*	37.398 N	23.180 E	31 *		1.5	12	SOUTHERN GREECE. ML 2.7 (ATH).
26	22	42	23.9&	37.866 N	27.391 E	5 G		0.4	9	TURKEY. ML 3.5 (ISK).
26	23	38	33.1	39.203 S	174.943 E	18		0.6	24	NORTH ISLAND, NEW ZEALAND. ML 3.9 (WEL).
26	23	47	10.2	31.148 S	13.376 W	10 G	5.0	0.6	39	SOUTHERN MID-ATLANTIC RIDGE
27	00	00	08.0&	60.179 N	153.416 W	144			75	SOUTHERN ALASKA. <AEIC>.
27	00	30	20.7?	3.66 S	132.19 E	33 N	4.2	1.2	4	IRIAN JAYA REGION, INDONESIA
27	00	38	09.6	39.905 N	19.680 E	11	3.6	1.2	43	GREECE-ALBANIA BORDER REGION. MD 3.8 (ATH). ML 3.4 (THE), 3.3 (TIR).
27	00	52	04.4?	19.83 S	173.86 W	33 N	5.0	1.5	10	TONGA ISLANDS
27	01	32	44.2*	0.102 N	16.613 W	10 G	4.6	1.2	13	NORTH OF ASCENSION ISLAND
27	01	34	33.1	42.222 N	122.127 W	5 G		0.8	30	OREGON. ML 3.4 (GS), 3.3 (BRK). Felt at Klamath Falls.
27	02	15	59.7&	37.875 N	27.216 E	10 G		0.7	8	TURKEY. ML 3.4 (ISK).
27	03	07	44.2?	37.73 S	176.55 E	233 ?		0.5	15	NORTH ISLAND, NEW ZEALAND
27	03	57	01.3*	23.307 S	70.404 W	33 N	5.0	1.5	5	NEAR COAST OF NORTHERN CHILE. Felt (II) at Antofagasta.
27	04	11	15.5?	5.92 S	130.58 E	104 ?	4.6	0.9	7	BANDA SEA
27	04	20	48.9	8.413 S	121.739 E	33 N	5.2	0.9	29	FLORES REGION, INDONESIA
a 27	04	43	55.6	30.678 N	132.121 E	38 D	5.5 5.3	1.0	276	SOUTHEAST OF SHIKOKU, JAPAN. Mw 5.6 (HRV). Mo=6.8*10**17 Nm (PPT). Felt (II JMA) at Kagoshima and Miyazaki, Kyushu.
27	04	58	24.8*	65.130 N	39.441 W	10 G	4.5	1.0	19	EASTERN GREENLAND
27	06	06	12.7	16.852 N	100.212 W	49	4.4	0.9	58	NEAR COAST OF GUERRERO, MEXICO
27	06	38	00.5*	16.857 N	100.348 W	33 N	4.0	1.0	21	NEAR COAST OF GUERRERO, MEXICO
27	06	47	20.7?	14.38 N	90.43 W	33 N	4.3	1.2	5	GUATEMALA
27	07	15	29.7*	23.235 S	66.245 W	260 ?		0.8	8	JUJUUY PROVINCE, ARGENTINA
27	07	31	27.7*	16.895 N	99.885 W	33 N		1.3	7	NEAR COAST OF GUERRERO, MEXICO
27	07	44	19.6&	39.707 N	118.801 E	33 N		0.8	5	NORTHEASTERN CHINA. ML 3.9 (BJI).
27	07	47	19.6?	39.09 N	27.64 E	10 G		0.1	4	TURKEY. ML 2.7 (ISK).
27	09	58	13.6?	40.39 N	22.95 E	10 G		0.1	4	GREECE. ML 1.4 (THE).
27	10	04	07.6?	39.14 N	27.38 E	10 G		0.1	5	TURKEY. ML 2.7 (ISK).
27	10	20	46.2&	14.228 N	93.906 W	33 N		0.5	6	NEAR COAST OF CHIAPAS, MEXICO
27	10	38	17.9&	39.673 N	29.509 E	10 G		0.5	5	TURKEY. ML 2.8 (ISK).
27	11	21	00.8&	39.333 N	111.159 W	1			19	UTAH. <SLC-P>. MD 3.3 (SLC). ML 3.0 (GS).
27	11	52	36.1*	38.326 S	68.8					

28	07 22 25.6%	40.235 N	27.509 E	10 G	0.7	10	TURKEY. ML 3.1 (ISK).
28	08 09 01.7?	39.10 N	27.61 E	10 G	0.8	4	TURKEY. ML 2.8 (ISK).
28	08 14 34.7%	40.846 N	27.730 E	10 G	0.2	5	TURKEY. ML 2.5 (ISK).
28	09 14 32.5?	39.08 N	27.65 E	10 G	0.9	4	TURKEY. ML 2.8 (ISK).
28	09 33 39.1	44.132 N	7.417 E	10 G	0.7	24	NORTHERN ITALY. ML 3.2 (LDG), 2.9 (GEN).
28	09 45 12.9%	34.951 N	116.887 W	0		5	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.7 (PAS).
28	09 58 32.7?	7.40 S	129.80 E	132 ?	4.3	0.3	BANDA SEA
28	10 13 52.0?	39.06 N	27.62 E	10 G	0.7	4	TURKEY. ML 2.8 (ISK).
28	10 23 00.7?	39.66 N	29.44 E	10 G	0.5	4	TURKEY. ML 2.7 (ISK).
28	10 48 22.4%	39.158 N	27.584 E	10 G	0.5	6	TURKEY. ML 2.7 (ISK).
28	11 03 12.2	40.470 N	21.904 E	10 G	0.5	7	GREECE. ML 2.3 (THE).
28	11 17 36.6%	37.895 N	27.205 E	5 G	0.9	7	TURKEY. ML 3.2 (ISK).
28	11 21 19.6?	10.84 S	118.32 E	10 G	3.9	1.7	5 SOUTH OF SUMBAWA, INDONESIA
28	11 50 38.9?	40.15 N	27.37 E	10 G	0.1	4	TURKEY. ML 2.7 (ISK).
28	13 30 30.5%	33.594 S	71.796 W	23	0.3	10	NEAR COAST OF CENTRAL CHILE. MD 3.9 (SAN).
28	13 36 16.1?	42.47 N	24.20 E	10 G	0.2	5	BULGARIA. ML 2.8 (THE).
28	14 13 13.7?	30.87 S	175.93 W	64 ?	5.2	1.1	8 KERMADEC ISLANDS REGION
28	15 16 44.8%	38.569 N	30.450 E	5 G	0.5	5	TURKEY. ML 3.2 (ISK).
28	15 46 38.4?	39.07 N	27.54 E	10 G	0.1	4	TURKEY. ML 2.8 (ISK).
28	15 50 25.5	14.152 N	92.433 W	59	4.7	1.0	85 NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG). Felt along the Mexico-Guatemala border.
28	16 28 27.6	40.368 N	25.882 E	5 G	0.8	25	AEGEAN SEA. ML 3.6 (THE), 3.6 (ISK). MD 3.4 (ATH).
28	16 44 51.4?	58.58 N	10.52 E	10 G	1.2	8	SWEDEN. MD 2.9 (BER).
28	16 56 14.2	39.223 N	29.430 E	10 G	0.4	17	TURKEY. ML 3.4 (ISK).
28	16 57 41.0%	60.457 N	5.147 E	10 G	0.8	9	SOUTHERN NORWAY. MD 1.6 (BER).
28	17 13 36.4	60.120 N	4.858 E	10 G	0.8	10	SOUTHERN NORWAY. MD 2.4 (BER).
28	17 33 40.7*	28.160 S	68.708 W	138 ?	0.8	7	LA RIOJA PROVINCE, ARGENTINA
28	17 39 26.8*	2.543 N	128.454 E	33 N	4.6	1.0	15 HALMAHERA, INDONESIA
28	18 41 00.7%	63.377 N	151.236 W	6		38	CENTRAL ALASKA. <AEIC>. ML 2.6 (AEIC).
28	18 53 20.2?	14.60 N	60.94 W	10 G	0.2	4	WINDWARD ISLANDS
28	18 59 42.1?	19.05 N	67.59 W	10 G	0.5	5	MONA PASSAGE
28	20 44 22.5*	23.340 N	100.760 E	10 G	3.8	0.9	7 YUNNAN, CHINA. ML 3.9 (BJI).
28	21 06 28.4	50.851 N	12.180 E	10 G	0.5	8	GERMANY. ML 2.7 (FUR), 2.6 (GRF), 2.5 (CLL).
28	22 01 38.4?	29.21 N	130.61 E	33 N	4.3	1.2	12 RYUKYU ISLANDS
28	22 11 30.9*	28.913 N	130.814 E	33 N	4.4	4.3	17 RYUKYU ISLANDS
28	22 30 49.7*	2.526 S	28.602 E	10 G	4.9	1.5	41 LAKE TANGANYIKA REGION
28	22 30 56.9%	16.943 N	94.294 W	10 G	1.2	5	OAXACA, MEXICO
28	22 31 32.3	39.868 N	20.069 E	5 G	0.8	18	GREECE-ALBANIA BORDER REGION. MD 3.0 (ATH). ML 2.9 (TIR), 2.6 (THE).
28	23 43 27.8%	18.568 N	66.822 W	61 ?	0.2	7	PUERTO RICO REGION
28	23 49 19.8	42.239 N	122.077 W	5 G	0.9	27	OREGON. ML 3.3 (GS).
28	23 58 11.8	42.245 N	122.067 W	5 G	1.0	61	OREGON. ML 3.7 (GS).
29	00 03 43.4	44.323 N	27.059 E	10 G	1.0	41	ROMANIA. MD 4.1 (BUC). ML 4.0 (THE). Felt (IV) at Slobozia and Lehtiu, (III) at Bucharest.
29	01 18 45.0?	43.51 N	6.46 E	10 G	0.9	4	NEAR SOUTH COAST OF FRANCE. ML 1.9 (LDG).
29	02 01 19.0	35.868 N	102.981 W	5 G	0.8	7	TEXAS PANHANDLE REGION. mbLg 3.3 (GS). Felt (III) at Amistad, New Mexico.
29	02 40 58.0?	3.56 S	138.51 E	82 ?	1.4	5	IRIAN JAYA, INDONESIA
29	03 21 55.6%	42.300 N	122.000 W	5 G		7	OREGON. <SPEC>. MD 2.3 (GS). Held to mainshock location.
29	03 28 27.9*	6.036 S	142.727 E	10 G	4.3	0.4	5 NEW GUINEA, PAPUA NEW GUINEA
29	03 47 43.3	49.132 N	6.879 E	10 G	0.9	16	GERMANY. ML 2.6 (STR).
29	05 01 04.8%	33.991 N	117.166 W	12		12	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS), 2.8 (GS). Felt (IV) at Loma Linda and (III) at Moreno Valley. Also felt at Riverside.
29	05 41 02.2%	39.228 N	29.429 E	5 G	0.4	10	TURKEY. ML 3.0 (ISK).
29	05 45 29.7*	31.763 N	3.550 W	10 G	1.3	8	MOROCCO. MD 3.9 (RBA).
29	06 00 22.3?	0.17 S	125.21 E	33 N	4.3	1.4	6 SOUTHERN MOLUCCA SEA
29	06 09 21.5%	46.296 N	1.413 E	10	1.2	14	FRANCE. ML 3.0 (LDG).
29	06 11 29.6?	37.23 N	14.24 W	10 G	0.2	6	NORTH ATLANTIC OCEAN. mbLg 3.4 (MDD).
29	06 19 27.8?	47.44 N	11.95 E	10 G	0.1	5	AUSTRIA. ML 1.3 (VIE).
a 29	08 02 00.5	6.122 S	147.601 E	96	5.3	0.9	74 EASTERN NEW GUINEA REG., P.N.G. Mw 5.5 (HRV).
29	08 09 46.9	18.706 N	106.595 W	33 N	4.5	1.0	55 OFF COAST OF JALISCO, MEXICO
29	08 44 44.4%	26.388 S	27.429 E	5 G	0.5	6	REPUBLIC OF SOUTH AFRICA. ML 2.3 (PRE).
29	08 54 29.4%	39.124 N	27.645 E	10 G	0.3	6	TURKEY. ML 2.8 (ISK).
29	08 59 32.1*	13.964 N	92.941 W	33 N	0.4	7	OFF COAST OF CHIAPAS, MEXICO
29	09 09 47.8%	39.720 N	20.263 E	10 G	0.1	6	GREECE-ALBANIA BORDER REGION. ML 2.6 (THE).
29	09 19 06.3%	39.121 N	27.641 E	10 G	0.2	6	TURKEY. ML 2.7 (ISK).
29	09 28 30.8?	19.78 N	66.23 W	33 N	0.1	7	PUERTO RICO REGION
a 29	09 39 20.6	18.966 S	167.667 E	35 D	5.5	1.0	212 VANUATU ISLANDS. Mw 5.5 (HRV). Ms 5.2 (BRK).
29	09 48 48.2	18.916 S	167.461 E	35 D	5.4	1.0	179 VANUATU ISLANDS
29	09 56 25.5%	39.607 N	29.380 E	10 G	0.3	5	TURKEY. ML 2.7 (ISK).
29	10 04 42.2	10.608 N	60.990 W	33 N	0.4	4	TRINIDAD. MD 2.7 (TRN).
29	10 04 52.2*	18.990 S	167.493 E	38 D	4.8	1.2	46 VANUATU ISLANDS
29	10 04 52.7%	39.110 N	27.624 E	10 G	0.3	6	TURKEY. ML 2.7 (ISK).
29	10 09 20.0	18.772 S	167.534 E	34 D	5.1	1.0	89 VANUATU ISLANDS
29	10 18 06.0%	39.083 N	27.619 E	10 G	0.5	5	TURKEY. ML 2.7 (ISK).
29	10 23 04.8?	48.40 S	108.07 E	10 G	4.9	1.3	9 SOUTHEAST INDIAN RIDGE
29	10 59 29.2%	34.309 N	117.694 W	5		14	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.5 (PAS), 2.8 (GS).
29	10 59 50.3%	34.312 N	117.690 W	4		17	SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS), 3.2 (GS). Felt.
29	11 01 14.8	42.366 N	122.130 W	5 G	1.1	31	OREGON. ML 2.8 (GS). MD 2.7 (SEA).
f 29	11 16 03.5	0.494 N	121.528 E	97 G	6.1	1.2	326 MINAHASSA PENINSULA, SULAWESI. Mw 6.4 (GS), 6.4 (HRV). Mo=6.3*10**18 Nm (PPT). Felt (III) at Manado. Depth from broadband displacement seismograms.
29	11 42 53.4%	40.812 N	27.729 E	10 G	0.6	6	TURKEY. ML 2.6 (ISK).
29	12 07 08.0	19.072 S	167.494 E	35 D	5.4	1.0	128 VANUATU ISLANDS REGION
29	12 50 29.9	18.726 S	167.507 E	33 N	5.0	1.0	60 VANUATU ISLANDS
29	13 58 49.8*	51.179 N	15.928 E	10 G	0.3	5	POLAND
29	14 07 48.8	19.066 S	167.618 E	43 D	5.4	0.9	175 VANUATU ISLANDS REGION
29	14 12 19.1?	58.08 N	6.31 E	10 G	0.6	9	SOUTHERN NORWAY. MD 2.8 (BER).
29	14 18 01.4	36.421 N	70.886 E	188 *	4.6	1.0	22 HINDU KUSH REGION, AFGHANISTAN
29	14 33 05.4%	34.618 N	116.604 W	9		8	SOUTHERN CALIFORNIA. <PAS-P>. ML 2.8 (PAS).

29	14	44	27.7	19.008	S	167.689	E	35	D	5.2	4.7	1.0	130	VANUATU ISLANDS REGION	
29	15	15	55.46	37.430	N	119.016	W	4					35	CENTRAL CALIFORNIA. <GM-P>. MD 2.9 (GM).	
29	16	04	35.26	37.434	N	119.021	W	7					36	CENTRAL CALIFORNIA. <GM-P>. MD 3.1 (GM).	
29	16	40	53.1	33.194	S	70.408	W	5	G			1.1	9	CHILE-ARGENTINA BORDER REGION. MD 3.7 (SAN).	
29	17	08	23.96	60.398	N	152.393	W	89					90	SOUTHERN ALASKA. <AEIC>.	
29	17	32	37.4	33.988	N	25.565	E	90	G			0.5	6	EASTERN MEDITERRANEAN SEA	
a	29	18	26	20.2	42.677	S	18.385	W	10	G	5.9	5.9	0.9	321	SOUTHERN MID-ATLANTIC RIDGE. Mw 6.0 (HRV). Ms 5.7 (BRK).
a	29	19	03	05.7	6.030	S	149.348	E	50	D	5.7	5.7	1.0	214	NEW BRITAIN REGION, P.N.G. Mw 5.9 (GS), 5.9 (HRV).
29	19	29	40.1*	18.128	N	67.803	W	10	G			0.5	9	MONA PASSAGE	
29	20	27	16.76	33.229	S	70.295	W	90	G			0.3	9	CHILE-ARGENTINA BORDER REGION. MD 3.4 (SAN).	
29	20	50	22.6*	31.431	S	69.919	W	130	G			0.6	11	SAN JUAN PROVINCE, ARGENTINA. MD 3.5 (SAN).	
29	21	56	24.6?	45.29	S	165.85	E	10	G			0.6	16	OFF W. COAST OF S. ISLAND, N.Z. ML 3.8 (WEL).	
f	29	22	25	48.6	18.066	N	76.451	E	7	G	6.3	6.2	1.0	625	SOUTHERN INDIA. Mw 6.2 (GS), 6.2 (HRV). Mo=3.1*10**18 Nm (PPT). Nine thousand seven hundred forty-eight people killed, about 30,000 injured and extreme devastation in the Latur-Osmanabad area. Nearly all buildings were destroyed in the village of Khillari. Felt in large parts of central and southern India, including Bangalore, Bombay, Hyderabad and Madras. Depth from broadband displacement seismograms.
29	22	30	13.8?	4.89	S	155.19	E	33	N	4.7		1.4	6	SOLOMON ISLANDS	
29	22	35	25.26	48.349	N	0.340	W	10	G			0.3	5	FRANCE. ML 2.5 (LDG).	
29	22	46	34.66	44.982	N	7.298	E	33	N			0.6	6	NORTHERN ITALY. ML 2.0 (GEN).	
29	23	10	57.4*	18.092	N	76.441	E	10	G	5.0		1.1	40	SOUTHERN INDIA	
29	23	22	30.5?	36.07	N	1.66	W	10	G			1.1	4	WESTERN MEDITERRANEAN SEA. mbLg 2.3 (MDD).	
29	23	59	15.86	59.794	N	153.388	W	117					82	SOUTHERN ALASKA. <AEIC>.	
30	00	22	45.86	37.434	N	119.015	W	3					10	CENTRAL CALIFORNIA. <GM-P>. MD 2.8 (GM).	
30	00	30	07.1?	18.75	N	62.80	W	33	N	4.3		1.4	8	LEEWARD ISLANDS	
30	00	53	12.9*	18.090	N	76.519	E	10	G	4.6		1.1	14	SOUTHERN INDIA	
30	01	04	05.6*	4.259	N	126.743	E	88	*	4.7		1.1	20	TALAUD ISLANDS, INDONESIA	
30	01	09	09.86	26.833	S	26.741	E	5	G			0.4	6	REPUBLIC OF SOUTH AFRICA. ML 2.7 (PRE).	
30	01	25	00.26	37.943	N	27.437	E	10	G			1.3	8	TURKEY. ML 3.3 (ISK).	
30	02	00	18.6*	42.724	N	147.583	E	10	G	4.8	3.9	1.2	22	OFF COAST OF HOKKAIDO, JAPAN	
30	02	02	18.4*	14.031	N	92.773	W	33	N	4.4		1.4	10	NEAR COAST OF CHIAPAS, MEXICO. MD 4.6 (GCG).	
30	02	16	56.3*	18.159	N	76.658	E	10	G	4.5		1.3	8	SOUTHERN INDIA	
30	03	30	02.9*	8.171	N	37.852	W	10	G	4.9		1.0	18	CENTRAL MID-ATLANTIC RIDGE	
30	03	48	58.96	16.278	N	98.388	W	33	N			0.8	8	NEAR COAST OF GUERRERO, MEXICO	
30	04	04	05.9*	19.153	S	167.519	E	37	D	4.9		1.3	17	VANUATU ISLANDS REGION	
30	05	01	19.1?	40.54	N	23.70	E	10	G			0.6	4	GREECE. ML 2.0 (THE).	
30	05	41	15.0	1.681	S	100.573	E	69	*	5.3		1.0	151	SOUTHERN SUMATERA, INDONESIA. Felt at Padang.	
30	05	42	41.9?	14.73	N	61.13	W	10	G			0.3	4	WINDWARD ISLANDS. ML 1.9 (FDF).	
30	06	16	04.7	44.111	N	10.158	E	10	G			0.8	48	NORTHERN ITALY. ML 3.4 (LDG). MD 3.3 (TRI).	
30	07	09	42.9	54.050	N	155.185	E	416	?	4.4		0.7	67	KAMCHATKA	
30	07	15	49.9	51.403	N	158.744	E	49		4.8	4.4	0.9	90	NEAR EAST COAST OF KAMCHATKA	
30	08	04	51.5*	31.259	N	104.279	E	10	G	4.5		0.3	7	SICHUAN, CHINA. ML 4.0 (BJI).	
30	09	35	11.66	59.758	N	153.346	W	125					47	SOUTHERN ALASKA. <AEIC>.	
30	09	45	11.8	26.340	S	27.489	E	5	G			0.7	9	REPUBLIC OF SOUTH AFRICA. mbLg 3.3 (BUL). ML 3.1 (PRE).	
30	09	56	16.8?	18.80	S	169.24	E	33	N	4.7		1.1	7	VANUATU ISLANDS	
30	10	59	29.9?	41.49	N	20.60	E	10	G			0.9	4	ALBANIA. ML 1.9 (SKO).	
30	11	26	23.76	38.002	N	29.214	E	10	G			1.0	5	TURKEY. ML 3.1 (ISK).	
30	13	16	38.4	35.660	N	137.151	E	10	G	4.0		0.9	17	EASTERN HONSHU, JAPAN	
30	13	31	00.3	6.516	N	126.457	E	33	N	5.1		1.3	53	MINDANAO, PHILIPPINE ISLANDS	
30	13	34	00.56	26.827	S	26.689	E	5	G			0.8	10	REPUBLIC OF SOUTH AFRICA. ML 2.8 (PRE).	
30	14	15	21.2	23.728	N	121.656	E	33	N	4.3		1.1	20	TAIWAN. ML 4.4 (BJI).	
30	14	21	17.6?	48.44	N	1.95	W	10	G			0.7	4	FRANCE. ML 2.7 (LDG).	
30	14	32	23.6?	50.11	N	19.36	E	10	G			0.5	4	POLAND. ML 2.9 (WAR).	
a	30	17	04	45.8	11.815	N	92.529	E	23	D	5.4	4.7	0.9	208	ANDAMAN ISLANDS, INDIA. Mw 5.3 (HRV).
30	17	31	27.96	37.486	N	3.795	W	20				0.6	10	SPAIN. mbLg 3.3 (MDD).	
30	17	33	44.8?	39.26	N	22.02	E	10	G			0.2	4	GREECE. ML 2.4 (THE).	
30	17	55	57.4	38.264	S	176.101	E	221	*			0.5	26	NORTH ISLAND, NEW ZEALAND	
f	30	18	27	50.8	15.417	N	94.698	W	19	G	5.8	6.4	1.1	346	NEAR COAST OF OAXACA, MEXICO. Mw 6.5 (HRV). Ms 6.5 (BRK). Mo=1.1*10**19 Nm (PPT). Felt on the Isthmus of Tehuantepec and at Veracruz. Felt slightly at Mexico City. Depth from broadband displacement seismograms.
30	19	09	08.7	38.930	S	174.827	E	259	*			0.4	31	NORTH ISLAND, NEW ZEALAND	
30	20	40	55.4*	16.835	S	31.529	E	10	G			1.1	7	ZIMBABWE. mbLg 3.7 (BUL).	
30	21	36	21.1	18.610	N	104.872	W	33	N	4.3		1.2	53	NEAR COAST OF JALISCO, MEXICO	
30	22	20	25.0*	33.773	N	88.672	E	33	N	4.6		1.5	16	XIZANG	
30	22	36	20.8*	19.282	S	167.608	E	45	D	5.0		1.2	58	VANUATU ISLANDS REGION	
30	22	50	39.7*	53.698	S	51.719	W	10	G	5.0		1.3	26	SOUTH ATLANTIC OCEAN	
30	23	15	55.8	51.129	N	5.961	E	10	G			0.5	8	THE NETHERLANDS. ML 2.1 (BNS). MD 2.1 (UCC).	

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

```

01 00 41 23.32 31.712N 141.611E 46km
5.4mb (113 obs.) 5.7Msz ( 42 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 40S, 81C
Centroid Location:
Origin Time 00:41:23.4 0.2
Lat 31.59N 0.03 Lon 141.81E 0.02
Dep 15.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.35 Plg=65 Azm=247
N 0.76 9 356
P -7.11 24 90
Best Double Couple:Mo=6.7*10**17
NP1:Strike=198 Dip=23 Slip= 114
NP2: 353 69 80

01 03 35 27.38 31.859N 141.641E 44km
5.1mb ( 66 obs.) 4.9Msz ( 30 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 17C
Centroid Location:
Origin Time 03:35:29.2 1.6
Lat 31.77N 0.23 Lon 141.55E 0.15
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.05 Plg=48 Azm=222
N 0.29 22 338
P -1.34 34 83
Best Double Couple:Mo=1.2*10**17
NP1:Strike=227 Dip=23 Slip= 160
NP2: 335 82 68

01 04 21 55.81 20.168N 120.407E 29km
5.2mb ( 70 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 12C
Centroid Location:
Origin Time 04:21:54.1 1.0
Lat 20.31N 0.10 Lon 120.32E 0.11
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 5.74 Plg=15 Azm= 83
N 1.28 19 179
P -7.03 65 317
Best Double Couple:Mo=6.4*10**16
NP1:Strike=147 Dip=34 Slip=-126
NP2: 9 63 -68

01 11 48 38.44 4.331S 102.567E 71km
5.8mb (111 obs.)
SOUTHERN SUMATERA, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 95 Dip=76 Slip= 90
NP2: 275 14 90
Principal Axes:
T Plg=59 Azm= 5
P 31 185
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is NP2.
MOMENT TENSOR SOLUTION
Dep 72 No. of sta: 6
Principal Axes:
Scale 10**17 Nm
T Val= 3.46 Plg=63 Azm= 28
N 0.84 15 267
P -4.30 22 171
Best Double Couple:Mo=3.9*10**17
NP1:Strike=235 Dip=26 Slip= 55
NP2: 93 69 106
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 48S, 97C
Centroid Location:
Origin Time 11:48:43.1 0.2
Lat 4.85S 0.02 Lon 102.24E 0.02
Dep 63.6 1.7 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

T Val= 5.06 Plg=49 Azm= 43
N -0.72 35 260
P -4.34 19 156
Best Double Couple:Mo=4.7*10**17
NP1:Strike=205 Dip=40 Slip= 28
NP2: 93 72 127

01 14 03 19.16 2.986N 96.122E 34km
5.9mb (156 obs.) 6.2Msz ( 65 obs.)
NORTHERN SUMATERA, INDONESIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=124 Dip=77 Slip= 90
NP2: 304 13 90
Principal Axes:
T Plg=58 Azm= 34
P 32 214
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is NP2.
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 27
Principal Axes:
Scale 10**18 Nm
T Val= 2.41 Plg=59 Azm= 35
N 0.19 4 298
P -2.59 31 205
Best Double Couple:Mo=2.5*10**18
NP1:Strike=282 Dip=15 Slip= 73
NP2: 119 76 94
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 49S, **C M.W.: 32S, 48C
Centroid Location:
Origin Time 14:03:23.5 0.1
Lat 2.85N 0.01 Lon 95.92E 0.01
Dep 15.0 BDY Half-duration 3.1
Principal Axes:
Scale 10**18 Nm
T Val= 3.05 Plg=54 Azm= 43
N 0.07 1 311
P -3.12 36 221
Best Double Couple:Mo=3.1*10**18
NP1:Strike=306 Dip= 9 Slip= 85
NP2: 132 81 91

03 03 16 07.31 14.428N 92.732W 63km
5.3mb ( 87 obs.)
NEAR COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 45S, 76C
Centroid Location:
Origin Time 03:16: 4.5 0.3
Lat 14.27N 0.03 Lon 92.96W 0.03
Dep 23.0 BDY Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.02 Plg=65 Azm= 44
N -0.21 12 288
P -1.81 22 193
Best Double Couple:Mo=1.9*10**17
NP1:Strike=262 Dip=25 Slip= 62
NP2: 112 68 103

03 05 00 46.24 23.989N 126.418E 37km
5.1mb ( 66 obs.) 4.6Msz ( 5 obs.)
SOUTHEAST OF RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 22C
Centroid Location:
Origin Time 05:00:42.6 0.7
Lat 23.84N 0.09 Lon 126.87E 0.13
Dep 25.2 5.3 Half-duration 1.2
Principal Axes:
Scale 10**16 Nm
T Val= 10.54 Plg=32 Azm=348
N 0.69 5 82
P -11.22 57 180
Best Double Couple:Mo=1.1*10**17
NP1:Strike= 60 Dip=14 Slip=-113
NP2: 263 77 -85

03 12 35 00.27 14.523N 92.713W 27km
5.8mb (114 obs.) 6.8Msz ( 72 obs.)
NEAR COAST OF CHIAPAS, MEXICO
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=128 Dip=70 Slip= 90

NP2: 308 20 90
Principal Axes:
T Plg=65 Azm= 38
P 25 218
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is NP2.
RADIATED ENERGY
No. of sta: 17 Focal mech. F
Energy 2.9+0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 11 No. of sta: 24
Principal Axes:
Scale 10**19 Nm
T Val= 1.59 Plg=63 Azm= 44
N 0.02 9 296
P -1.61 25 201
Best Double Couple:Mo=1.6*10**19
NP1:Strike=272 Dip=21 Slip= 65
NP2: 119 71 99
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 57S, **C M.W.: 53S, **C
Centroid Location:
Origin Time 12:35: 5.7 0.1
Lat 14.40N 0.01 Lon 93.14W 0.01
Dep 27.4 0.4 Half-duration 5.7
Principal Axes:
Scale 10**19 Nm
T Val= 1.55 Plg=67 Azm= 37
N -0.12 3 300
P -1.43 22 209
Best Double Couple:Mo=1.5*10**19
NP1:Strike=294 Dip=23 Slip= 83
NP2: 121 67 93

04 06 11 37.18 13.862N 145.003E 26km
5.5mb ( 59 obs.) 4.6Msz ( 7 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 25C
Centroid Location:
Origin Time 06:11:38.4 0.7
Lat 13.59N 0.07 Lon 144.99E 0.10
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 8.11 Plg=33 Azm= 0
N 0.13 0 90
P -8.24 57 180
Best Double Couple:Mo=8.2*10**16
NP1:Strike= 90 Dip=12 Slip= -90
NP2: 270 78 -90

04 08 30 56.63 16.166S 176.732W 388km
5.4mb ( 65 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 45C
Centroid Location:
Origin Time 08:31: 0.3 0.3
Lat 15.94S 0.03 Lon 176.42W 0.03
Dep 396.5 1.5 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.20 Plg=58 Azm= 84
N -0.37 28 293
P -1.83 13 196
Best Double Couple:Mo=2.0*10**17
NP1:Strike=254 Dip=40 Slip= 43
NP2: 129 64 122

04 08 49 42.33 14.475N 92.854W 57km
4.9mb ( 57 obs.)
NEAR COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 25C
Centroid Location:
Origin Time 08:49:42.0 0.6
Lat 14.09N 0.07 Lon 92.93W 0.07
Dep 15.0 BDY Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 2.94 Plg=58 Azm= 76
N -1.00 15 321

```

P -1.94 28 223
Best Double Couple:Mo=2.4*10**17
NP1:Strike=280 Dip=22 Slip= 47
NP2: 145 74 105

04 11 38 38.93 36.429N 70.812E 195km
5.9mb (197 obs.)
HINDU KUSH REGION, AFGHANISTAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 62 Dip=60 Slip= 90
NP2: 242 30 90
Principal Axes:
T Plg=75 Azm=332
P 15 152
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 9 Focal mech. F
Energy 1.0±0.3*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 201 No. of sta: 20
Principal Axes:
Scale 10**18 Nm
T Val= 1.09 Plg=50 Azm=286
N 0.14 38 83
P -1.24 11 182
Best Double Couple:Mo=1.2*10**18
NP1:Strike=309 Dip=47 Slip= 147
NP2: 63 66 48
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 45S, **C
Centroid Location:
Origin Time 11:38:42.0 0.2
Lat 36.16N 0.02 Lon 70.51E 0.02
Dep 189.7 0.8 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 10.18 Plg=63 Azm=304
N -0.64 12 58
P -9.54 24 154
Best Double Couple:Mo=9.9*10**17
NP1:Strike=268 Dip=24 Slip= 121
NP2: 54 70 77

04 21 39 33.84 9.571S 122.528E 33km
5.8mb (83 obs.) 5.8Msz (40 obs.)
SAVU SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=240 Dip=85 Slip=-150
NP2: 147 60 -6
Principal Axes:
T Plg=17 Azm= 10
P 24 108
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a moderate normal component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 61 No. of sta: 20
Principal Axes:
Scale 10**18 Nm
T Val= 2.62 Plg=33 Azm= 1
N -0.26 31 248
P -2.36 41 126
Best Double Couple:Mo=2.5*10**18
NP1:Strike=148 Dip=31 Slip= -9
NP2: 245 86 -121
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 51S, **C
Centroid Location:
Origin Time 21:39:43.1 0.2
Lat 9.42S 0.01 Lon 122.39E 0.02
Dep 62.5 1.4 Half-duration 3.1
Principal Axes:
Scale 10**18 Nm
T Val= 2.63 Plg=22 Azm= 3
N -0.70 47 248
P -1.93 35 109
Best Double Couple:Mo=2.3*10**18
NP1:Strike=141 Dip=48 Slip= -11
NP2: 239 81 -138

06 03 56 00.10 4.641S 153.231E 49km
6.2mb (91 obs.) 6.6Msz (60 obs.)
NEW IRELAND REGION, P.N.G.

FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 80 Dip=65 Slip= 50
NP2: 323 46 144
Principal Axes:
T Plg=52 Azm=302
P 11 198
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: 18 Focal mech. F
Energy 2.7±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 53 No. of sta: 9
Principal Axes:
Scale 10**18 Nm
T Val= 9.46 Plg=69 Azm=336
N 0.36 6 81
P -9.82 20 173
Best Double Couple:Mo=9.6*10**18
NP1:Strike=273 Dip=25 Slip= 104
NP2: 78 66 84
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 54S, **C M.W.: 44S, 91C
Centroid Location:
Origin Time 03:56: 7.3 0.1
Lat 4.78S 0.01 Lon 153.13E 0.01
Dep 59.2 0.4 Half-duration 5.2
Principal Axes:
Scale 10**18 Nm
T Val= 10.31 Plg=65 Azm=308
N 0.33 20 89
P -10.64 15 184
Best Double Couple:Mo=1.0*10**19
NP1:Strike=300 Dip=35 Slip= 126
NP2: 78 62 67

07 02 48 50.85 31.635S 179.440W 10km
5.9mb (56 obs.) 6.5Msz (60 obs.)
KERMADEC ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=260 Dip=87 Slip= 2
NP2: 170 88 177
Principal Axes:
T Plg= 4 Azm=125
P 1 215
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 10 Focal mech. F
Energy 3.8±1.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 15 No. of sta: 11
Principal Axes:
Scale 10**18 Nm
T Val= 6.21 Plg= 5 Azm=307
N 0.69 82 177
P -6.91 6 38
Best Double Couple:Mo=6.6*10**18
NP1:Strike= 82 Dip=82 Slip= -1
NP2: 173 89 -172
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 46S, **C M.W.: 45S, 78C
Centroid Location:
Origin Time 02:48:56.6 0.1
Lat 31.50S 0.01 Lon 179.34W 0.01
Dep 15.0 FIX Half-duration 4.0
Principal Axes:
Scale 10**18 Nm
T Val= 4.77 Plg= 1 Azm=124
N 0.09 87 9
P -4.86 2 214
Best Double Couple:Mo=4.8*10**18
NP1:Strike=259 Dip=88 Slip= -1
NP2: 349 89 -178

09 21 52 12.82 56.214S 27.332W 110km
5.8mb (28 obs.)
SOUTH SANDWICH ISLANDS REGION
MOMENT TENSOR SOLUTION
Dep 96 No. of sta: 4
Principal Axes:
Scale 10**17 Nm
T Val= 3.25 Plg=36 Azm=162
N 0.21 25 272

P -3.46 44 28
Best Double Couple:Mo=3.4*10**17
NP1:Strike=192 Dip=26 Slip=-170
NP2: 94 86 -65
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 39S, 75C
Centroid Location:
Origin Time 21:52:15.1 0.2
Lat 56.18S 0.02 Lon 27.09W 0.04
Dep 99.0 1.7 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.16 Plg=35 Azm=179
N 0.01 32 295
P -3.17 39 55
Best Double Couple:Mo=3.2*10**17
NP1:Strike=210 Dip=32 Slip=-176
NP2: 116 88 -58

10 04 22 11.88 15.758S 179.904E 10km
5.1mb (21 obs.) 4.8Msz (30 obs.)
FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 15C
Centroid Location:
Origin Time 04:22:16.8 0.4
Lat 15.79S FIX;Lon 179.89E FIX
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.72 Plg= 4 Azm=142
N -0.56 72 245
P -1.15 18 51
Best Double Couple:Mo=1.4*10**17
NP1:Strike=188 Dip=74 Slip=-170
NP2: 95 80 -16

10 16 02 32.32 35.039N 12.366E 10km
5.0mb (46 obs.) 4.9Msz (28 obs.)
CENTRAL MEDITERRANEAN SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 40C
Centroid Location:
Origin Time 16:02:36.5 0.5
Lat 34.99N 0.05 Lon 12.44E 0.06
Dep 26.1 5.7 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 9.75 Plg= 9 Azm= 64
N -0.30 77 286
P -9.45 8 156
Best Double Couple:Mo=9.6*10**16
NP1:Strike=200 Dip=78 Slip= 1
NP2: 110 89 168

10 17 28 08.61 14.429N 92.805W 62km
5.3mb (84 obs.)
NEAR COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 45S, 89C
Centroid Location:
Origin Time 17:28: 6.7 0.2
Lat 14.29N 0.02 Lon 93.19W 0.02
Dep 15.0 BDY Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 5.00 Plg=61 Azm= 35
N 0.13 6 294
P -5.13 28 201
Best Double Couple:Mo=5.1*10**17
NP1:Strike=276 Dip=18 Slip= 71
NP2: 116 73 96

10 18 58 57.02 14.415N 92.764W 63km
5.5mb (89 obs.)
NEAR COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 20C
Centroid Location:
Origin Time 18:58:54.3 0.6
Lat 13.91N 0.08 Lon 92.54W 0.07
Dep 16.0 BDY Half-duration 2.0
Principal Axes:
Scale 10**18 Nm
T Val= 1.48 Plg=51 Azm= 66
N -0.35 17 313
P -1.13 33 211
Best Double Couple:Mo=1.3*10**18

NP1:Strike=254 Dip=20 Slip= 29
NP2: 136 81 107

10 19 12 54.62 14.717N 92.645W 34km
6.2mb (129 obs.) 7.3Msz (44 obs.)
NEAR COAST OF CHIAPAS, MEXICO
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=118 Dip=68 Slip= 90
NP2: 298 22 90
Principal Axes:
T Plg=67 Azm= 28
P 23 208
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 22 Focal mech. F
Energy 2.2±0.4*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 29 No. of sta: 25
Principal Axes:
Scale 10**19 Nm
T Val= 7.90 Plg=72 Azm=346
N 0.17 16 134
P -8.07 9 227
Best Double Couple:Mo=8.0*10**19
NP1:Strike=335 Dip=38 Slip= 116
NP2: 123 56 71
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 58S, **C M.W.: 59S, **C
Centroid Location:
Origin Time 19:13: 3.2 0.1
Lat 14.41N FIX;Lon 92.99W FIX
Dep 29.1 0.3 Half-duration 10.4
Principal Axes:
Scale 10**19 Nm
T Val= 8.69 Plg=68 Azm= 45
N -0.71 5 301
P -7.98 21 209
Best Double Couple:Mo=8.3*10**19
NP1:Strike=289 Dip=24 Slip= 76
NP2: 124 67 96

11 04 55 33.45 42.003N 142.581E 58km
5.7mb (155 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 31S, 55C
Centroid Location:
Origin Time 04:55:35.9 0.5
Lat 41.68N 0.04 Lon 142.82E 0.05
Dep 53.0 2.9 Half-duration 1.4
Principal Axes:
Scale 10**17 Nm
T Val= 1.90 Plg=71 Azm=285
N 0.19 6 33
P -2.09 18 125
Best Double Couple:Mo=2.0*10**17
NP1:Strike=224 Dip=28 Slip= 103
NP2: 30 63 83

11 06 14 27.70 4.689S 76.318W 121km
5.6mb (95 obs.)
NORTHERN PERU
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=345 Dip=55 Slip= -90
NP2: 165 35 -90
Principal Axes:
T Plg=10 Azm= 75
P 80 255
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.
MOMENT TENSOR SOLUTION
Dep 120 No. of sta: 20
Principal Axes:
Scale 10**17 Nm
T Val= 4.71 Plg= 5 Azm= 66
N -0.02 14 157
P -4.69 75 316
Best Double Couple:Mo=4.7*10**17
NP1:Strike=141 Dip=42 Slip=-111
NP2: 349 52 -72
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 53S, 87C
Centroid Location:

Origin Time 06:14:31.2 0.2
Lat 4.81S 0.02 Lon 76.24W 0.02
Dep 132.2 1.0 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.07 Plg= 3 Azm= 77
N 0.21 13 168
P -4.28 77 335
Best Double Couple:Mo=4.2*10**17
NP1:Strike=154 Dip=44 Slip=-109
NP2: 359 49 -73

11 17 36 46.33 20.113N 121.446E 42km
5.4mb (87 obs.) 5.4Msz (22 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 42S, 79C
Centroid Location:
Origin Time 17:36:48.4 0.3
Lat 20.24N 0.03 Lon 121.32E 0.03
Dep 30.5 2.0 Half-duration 1.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.89 Plg=62 Azm=148
N 0.08 13 32
P -2.96 24 296
Best Double Couple:Mo=2.9*10**17
NP1:Strike= 1 Dip=24 Slip= 56
NP2: 217 70 104

11 19 29 42.74 14.375N 92.312W 33km
5.6mb (107 obs.) 5.3Msz (48 obs.)
NEAR COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 44S, 76C
Centroid Location:
Origin Time 19:29:44.7 0.2
Lat 14.07N 0.02 Lon 92.73W 0.03
Dep 18.0 BDY Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 5.03 Plg=65 Azm= 72
N -0.61 14 308
P -4.42 20 213
Best Double Couple:Mo=4.7*10**17
NP1:Strike=280 Dip=28 Slip= 59
NP2: 135 66 106

11 23 29 03.73 28.392S 176.674W 39km
5.3mb (36 obs.) 5.3Msz (14 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 34S, 53C
Centroid Location:
Origin Time 23:29: 7.1 0.5
Lat 28.06S 0.06 Lon 176.29W 0.05
Dep 20.7 2.9 Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.31 Plg=64 Azm=288
N 0.03 0 197
P -1.34 26 107
Best Double Couple:Mo=1.3*10**17
NP1:Strike=196 Dip=19 Slip= 89
NP2: 17 71 90

12 03 22 38.50 13.826N 90.429W 68km
5.4mb (80 obs.) 5.5Msz (38 obs.)
NEAR COAST OF GUATEMALA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 58S, **C
Centroid Location:
Origin Time 03:22:40.4 0.1
Lat 13.52N 0.01 Lon 90.93W 0.01
Dep 56.1 1.5 Half-duration 2.4
Principal Axes:
Scale 10**17 Nm
T Val= 10.58 Plg=32 Azm= 33
N 1.17 3 125
P -11.75 58 220
Best Double Couple:Mo=1.1*10**18
NP1:Strike=111 Dip=14 Slip=-104
NP2: 306 77 -87

12 08 22 34.73 29.608S 177.279W 33km
5.6mb (62 obs.) 5.8Msz (53 obs.)
KERMADEC ISLANDS, NEW ZEALAND
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN

L.P.B.: 52S, **C
Centroid Location:
Origin Time 08:22:38.5 0.2
Lat 29.43S 0.03 Lon 176.79W 0.02
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 9.00 Plg=62 Azm=276
N 0.60 3 12
P -9.61 28 103
Best Double Couple:Mo=9.3*10**17
NP1:Strike=201 Dip=18 Slip= 100
NP2: 11 73 87

13 05 22 07.18 6.072S 149.908E 30km
5.3mb (28 obs.) 5.4Msz (37 obs.)
NEW BRITAIN REGION, P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 49S, 94C
Centroid Location:
Origin Time 05:22:13.6 0.2
Lat 6.39S 0.02 Lon 150.03E 0.02
Dep 28.4 BDY Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 4.37 Plg=65 Azm=350
N 0.50 5 91
P -4.87 24 183
Best Double Couple:Mo=4.6*10**17
NP1:Strike=284 Dip=21 Slip= 104
NP2: 89 69 85

13 12 37 51.93 29.492S 177.136W 20km
5.8mb (68 obs.) 6.2Msz (45 obs.)
KERMADEC ISLANDS, NEW ZEALAND
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 15 Dip=67 Slip= 90
NP2: 195 23 90
Principal Axes:
T Plg=68 Azm=285
P 22 105
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 3.1±0.6*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 21 No. of sta: 27
Principal Axes:
Scale 10**18 Nm
T Val= 2.56 Plg=75 Azm=288
N 0.84 2 191
P -3.40 15 101
Best Double Couple:Mo=3.0*10**18
NP1:Strike=189 Dip=30 Slip= 87
NP2: 12 60 92
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 52S, **C M.W.: 6S, 9C
Centroid Location:
Origin Time 12:38: 0.2 0.1
Lat 29.31S 0.02 Lon 176.92W 0.01
Dep 15.0 BDY Half-duration 3.3
Principal Axes:
Scale 10**18 Nm
T Val= 2.90 Plg=61 Azm=277
N 0.18 3 12
P -3.08 29 104
Best Double Couple:Mo=3.0*10**18
NP1:Strike=203 Dip=16 Slip= 101
NP2: 11 74 87

13 18 44 37.16 5.575S 154.163E 52km
5.3mb (46 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 35C
Centroid Location:
Origin Time 18:44:39.6 0.4
Lat 5.60S 0.04 Lon 154.00E 0.05
Dep 45.7 3.7 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 6.90 Plg=69 Azm=296
N -1.55 18 151
P -5.35 11 57
Best Double Couple:Mo=6.1*10**16
NP1:Strike=126 Dip=37 Slip= 60

NP2: 342 59 111	Best Double Couple:Mo=7.1*10**17	N 0.05 2 18
	NP1:Strike=195 Dip=19 Slip= 88	P -3.33 28 109
13 20 10 13.83 23.407S 176.649W 92km	NP2: 17 71 91	Best Double Couple:Mo=3.3*10**17
5.3mb (28 obs.)		NP1:Strike=205 Dip=17 Slip= 97
SOUTH OF FIJI ISLANDS		NP2: 18 73 88
CENTROID, MOMENT TENSOR (HRV)	14 03 59 27.81 14.231N 93.114W 31km	16 00 59 26.40 44.533N 149.036E 33km
Data Used: GDSN	5.1mb (35 obs.) 5.1Msz (21 obs.)	5.8mb (184 obs.) 5.1Msz (63 obs.)
L.P.B.: 17S, 22C	NEAR COAST OF CHIAPAS, MEXICO	KURIL ISLANDS
Centroid Location:	CENTROID, MOMENT TENSOR (HRV)	MOMENT TENSOR SOLUTION
Origin Time 20:10:13.4 0.8	Data Used: GDSN	Dep 36 No. of sta: 23
Lat 23.62S 0.10 Lon 176.31W 0.08	L.P.B.: 42S, 68C	Principal Axes:
Dep 83.8 7.8 Half-duration 1.0	Centroid Location:	Scale 10**17 Nm
Principal Axes:	Origin Time 03:59:29.1 0.3	T Val= 2.26 Plg=68 Azm=217
Scale 10**16 Nm	Lat 14.19N 0.04 Lon 93.33W 0.04	N 0.01 19 6
T Val= 6.72 Plg=48 Azm= 52	Dep 16.3 2.1 Half-duration 1.4	P -2.27 10 99
N 0.33 16 160	Principal Axes:	Best Double Couple:Mo=2.3*10**17
P -7.06 38 263	Scale 10**17 Nm	NP1:Strike=211 Dip=38 Slip= 122
Best Double Couple:Mo=6.9*10**16	T Val= 2.84 Plg=59 Azm= 35	NP2: 353 58 68
NP1:Strike= 51 Dip=17 Slip= 162	N -0.14 4 299	CENTROID, MOMENT TENSOR (HRV)
NP2: 159 85 74	P -2.70 31 207	Data Used: GDSN
	Best Double Couple:Mo=2.8*10**17	L.P.B.: 41S, 75C
	NP1:Strike=284 Dip=15 Slip= 75	Centroid Location:
	NP2: 120 76 94	Origin Time 00:59:30.4 0.3
13 20 57 27.27 29.745S 177.155W 33km	14 12 17 02.66 29.724S 177.157W 35km	Lat 44.56N 0.03 Lon 149.48E 0.04
4.9mb (10 obs.) 5.0Msz (2 obs.)	5.3mb (27 obs.) 5.2Msz (11 obs.)	Dep 38.1 2.1 Half-duration 1.4
KERMADEC ISLANDS, NEW ZEALAND	KERMADEC ISLANDS, NEW ZEALAND	Principal Axes:
CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)	Scale 10**17 Nm
Data Used: GDSN	Data Used: GDSN	T Val= 1.94 Plg=70 Azm=259
L.P.B.: 13S, 21C	L.P.B.: 31S, 49C	N 0.38 13 28
Centroid Location:	Centroid Location:	P -2.32 15 122
Origin Time 20:57:31.0 1.0	Origin Time 12:17: 9.3 0.4	Best Double Couple:Mo=2.1*10**17
Lat 29.62S FIX;Lon 177.17W FIX	Lat 29.23S 0.04 Lon 176.98W 0.04	NP1:Strike=229 Dip=32 Slip= 114
Dep 15.0 FIX Half-duration 1.2	Dep 29.8 2.9 Half-duration 1.1	NP2: 21 61 75
Principal Axes:	Principal Axes:	16 06 51 34.16 25.348S 179.849E 502km
Scale 10**16 Nm	Scale 10**17 Nm	5.0mb (23 obs.)
T Val= 9.40 Plg=58 Azm=293	T Val= 1.35 Plg=62 Azm=284	SOUTH OF FIJI ISLANDS
N 0.28 0 203	N 0.05 0 14	CENTROID, MOMENT TENSOR (HRV)
P -9.68 32 113	P -1.40 28 104	Data Used: GDSN
Best Double Couple:Mo=9.5*10**16	Best Double Couple:Mo=1.4*10**17	L.P.B.: 24S, 29C
NP1:Strike=201 Dip=13 Slip= 88	NP1:Strike=195 Dip=17 Slip= 91	Centroid Location:
NP2: 23 77 90	NP2: 14 73 90	Origin Time 06:51:38.1 0.7
13 21 52 01.45 10.315S 161.953E 17km	14 17 20 42.07 29.38 S 177.08 W 24km	Lat 25.26S 0.08 Lon 179.88E 0.06
5.3mb (43 obs.) 4.9Msz (22 obs.)	5.3mb (29 obs.) 5.2Msz (17 obs.)	Dep 506.9 3.6 Half-duration 1.2
SOLOMON ISLANDS	KERMADEC ISLANDS, NEW ZEALAND	Principal Axes:
CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)	Scale 10**16 Nm
Data Used: GDSN	Data Used: GDSN	T Val= 10.48 Plg=62 Azm= 78
L.P.B.: 38S, 62C	L.P.B.: 42S, 68C	N 0.14 2 172
Centroid Location:	Centroid Location:	P -10.62 28 264
Origin Time 21:52: 7.3 0.4	Origin Time 17:20:47.4 0.4	Best Double Couple:Mo=1.1*10**17
Lat 10.27S 0.04 Lon 162.29E 0.04	Lat 29.26S 0.05 Lon 176.86W 0.04	NP1:Strike= 0 Dip=17 Slip= 98
Dep 15.0 BDY Half-duration 1.3	Dep 21.2 2.2 Half-duration 1.3	NP2: 172 73 88
Principal Axes:	Principal Axes:	18 00 27 47.94 1.632N 126.770E 40km
Scale 10**17 Nm	Scale 10**17 Nm	5.5mb (67 obs.) 5.1Msz (22 obs.)
T Val= 1.25 Plg= 4 Azm=138	T Val= 1.65 Plg=66 Azm=294	NORTHERN MOLUCCA SEA
N -0.09 83 5	N 0.04 4 196	CENTROID, MOMENT TENSOR (HRV)
P -1.16 5 228	P -1.69 24 105	Data Used: GDSN
Best Double Couple:Mo=1.2*10**17	Best Double Couple:Mo=1.7*10**17	L.P.B.: 42S, 65C
NP1:Strike=273 Dip=83 Slip= 0	NP1:Strike=187 Dip=21 Slip= 80	Centroid Location:
NP2: 3 90 -173	NP2: 18 69 94	Origin Time 00:27:53.3 0.3
13 22 58 13.88 11.242N 86.321W 33km	15 00 45 57.93 29.496S 177.286W 33km	Lat 1.64N 0.03 Lon 127.07E 0.03
5.3mb (34 obs.) 5.6Msz (30 obs.)	5.2mb (28 obs.) 5.4Msz (43 obs.)	Dep 62.1 2.6 Half-duration 1.5
NEAR COAST OF NICARAGUA	KERMADEC ISLANDS, NEW ZEALAND	Principal Axes:
CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)	Scale 10**17 Nm
Data Used: GDSN	Data Used: GDSN	T Val= 2.56 Plg=13 Azm=225
L.P.B.: 55S, **C	L.P.B.: 43S, 76C	N 0.55 37 125
Centroid Location:	Centroid Location:	P -3.11 50 331
Origin Time 22:58:18.9 0.2	Origin Time 00:46: 3.1 0.2	Best Double Couple:Mo=2.8*10**17
Lat 10.94N 0.02 Lon 86.67W 0.02	Lat 29.29S 0.04 Lon 176.93W 0.03	NP1:Strike=353 Dip=46 Slip= -32
Dep 23.0 BDY Half-duration 1.9	Dep 17.0 BDY Half-duration 1.5	NP2: 107 68 -131
Principal Axes:	Principal Axes:	18 02 01 42.36 14.388N 92.703W 33km
Scale 10**17 Nm	Scale 10**17 Nm	4.9mb (54 obs.) 4.9Msz (17 obs.)
T Val= 5.12 Plg=69 Azm= 49	T Val= 3.48 Plg=61 Azm=277	NEAR COAST OF CHIAPAS, MEXICO
N 0.40 6 302	N 0.18 3 12	CENTROID, MOMENT TENSOR (HRV)
P -5.53 20 209	P -3.65 29 103	Data Used: GDSN
Best Double Couple:Mo=5.3*10**17	Best Double Couple:Mo=3.6*10**17	L.P.B.: 18S, 28C
NP1:Strike=288 Dip=26 Slip= 75	NP1:Strike=201 Dip=16 Slip= 100	Centroid Location:
NP2: 125 65 97	NP2: 11 74 87	Origin Time 02:01:44.5 0.5
14 01 23 07.77 29.598S 177.042W 33km	15 02 30 40.26 29.653S 177.243W 28km	Lat 14.32N 0.05 Lon 92.94W 0.06
5.4mb (37 obs.) 5.7Msz (38 obs.)	5.4mb (28 obs.) 5.3Msz (37 obs.)	Dep 36.9 4.1 Half-duration 1.2
KERMADEC ISLANDS, NEW ZEALAND	KERMADEC ISLANDS, NEW ZEALAND	Principal Axes:
CENTROID, MOMENT TENSOR (HRV)	CENTROID, MOMENT TENSOR (HRV)	Scale 10**17 Nm
Data Used: GDSN	Data Used: GDSN	T Val= 1.65 Plg=56 Azm= 64
L.P.B.: 48S, **C	L.P.B.: 44S, 85C	N 0.04 19 304
Centroid Location:	Centroid Location:	P -1.68 28 204
Origin Time 01:23:13.5 0.2	Origin Time 02:30:47.0 0.3	Best Double Couple:Mo=1.7*10**17
Lat 29.20S 0.03 Lon 176.73W 0.02	Lat 29.26S 0.05 Lon 176.99W 0.04	NP1:Strike=255 Dip=24 Slip= 38
Dep 17.3 1.3 Half-duration 1.8	Dep 18.0 BDY Half-duration 1.6	NP2: 129 75 110
Principal Axes:	Principal Axes:	18 05 02 27.01 36.421N 71.592E 113km
Scale 10**17 Nm	Scale 10**17 Nm	
T Val= 6.86 Plg=64 Azm=289	T Val= 3.29 Plg=62 Azm=284	
N 0.51 1 197		
P -7.37 26 107		

6.1mb (168 obs.)
 AFGHANISTAN-TAJIKISTAN BORD REG.
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=350 Dip=70 Slip= 45
 NP2: 241 48 153
 Principal Axes:
 T Plg=45 Azm=215
 P 13 111
 Comment: The focal mechanism is well controlled and corresponds to reverse faulting with a large reverse component. The preferred fault plane is not determined.

RADIATED ENERGY
 No. of sta: 6 Focal mech. F
 Energy 1.2±0.5*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 110 No. of sta: 5
 Principal Axes:
 Scale 10**18 Nm
 T Val= 2.79 Plg=45 Azm=212
 N 0.18 43 9
 P -2.97 12 110
 Best Double Couple:Mo=2.9*10**18
 NP1:Strike=240 Dip=50 Slip= 152
 NP2: 348 69 43
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 48S, **C M.W.: 25S, 36C
 Centroid Location:
 Origin Time 05:02:31.0 0.1
 Lat 36.48N 0.01 Lon 71.80E 0.01
 Dep 117.6 0.6 Half-duration 2.8
 Principal Axes:
 Scale 10**18 Nm
 T Val= 1.58 Plg=51 Azm=210
 N 0.20 37 11
 P -1.78 9 108
 Best Double Couple:Mo=1.7*10**18
 NP1:Strike=233 Dip=48 Slip= 144
 NP2: 349 64 48

19 04 18 36.34 60.079S 26.967W 46km
 5.4mb (25 obs.) 5.4Msz (8 obs.)
 SOUTH SANDWICH ISLANDS REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 14S, 20C
 Centroid Location:
 Origin Time 04:18:38.2 0.7
 Lat 60.41S 0.07 Lon 25.45W 0.13
 Dep 55.7 5.9 Half-duration 1.1
 Principal Axes:
 Scale 10**16 Nm
 T Val= 10.90 Plg=43 Azm=277
 N -0.10 42 130
 P -10.80 17 24
 Best Double Couple:Mo=1.1*10**17
 NP1:Strike= 71 Dip=46 Slip= 22
 NP2: 325 74 134

19 05 01 15.52 14.480N 93.162W 33km
 5.1mb (52 obs.) 5.0Msz (34 obs.)
 NEAR COAST OF CHIAPAS, MEXICO
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 20S, 34C
 Centroid Location:
 Origin Time 05:01:16.6 0.4
 Lat 14.57N 0.06 Lon 93.51W 0.07
 Dep 24.6 4.9 Half-duration 1.4
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.55 Plg=49 Azm= 77
 N 0.56 26 313
 P -2.11 29 207
 Best Double Couple:Mo=1.8*10**17
 NP1:Strike=249 Dip=28 Slip= 23
 NP2: 138 79 116

19 14 10 56.18 14.362N 93.325W 18km
 5.7mb (97 obs.) 6.4Msz (72 obs.)
 NEAR COAST OF CHIAPAS, MEXICO
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=120 Dip=80 Slip= 90
 NP2: 300 10 90
 Principal Axes:
 T Plg=55 Azm= 30
 P 35 210
 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 1.3±0.3*10**13 Nm
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 52S, **C M.W.: 44S, 85C
 Centroid Location:
 Origin Time 14:11: 3.2 0.1
 Lat 14.39N 0.01 Lon 93.47W 0.01
 Dep 16.0 BDY Half-duration 4.1
 Principal Axes:
 Scale 10**18 Nm
 T Val= 5.11 Plg=61 Azm= 33
 N -0.33 2 299
 P -4.78 29 208
 Best Double Couple:Mo=4.9*10**18
 NP1:Strike=292 Dip=16 Slip= 82
 NP2: 120 74 92

20 01 22 49.59 14.330N 93.372W 33km
 4.9mb (47 obs.) 4.8Msz (11 obs.)
 NEAR COAST OF CHIAPAS, MEXICO
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 20S, 24C
 Centroid Location:
 Origin Time 01:22:48.2 0.5
 Lat 14.45N 0.10 Lon 93.64W 0.10
 Dep 15.2 3.9 Half-duration 1.1
 Principal Axes:
 Scale 10**16 Nm
 T Val= 15.06 Plg=54 Azm= 48
 N -2.02 2 314
 P -13.04 36 223
 Best Double Couple:Mo=1.4*10**17
 NP1:Strike=300 Dip= 9 Slip= 75
 NP2: 135 81 92

20 10 17 42.06 0.750N 29.354W 10km
 5.8mb (115 obs.) 6.0Msz (66 obs.)
 CENTRAL MID-ATLANTIC RIDGE
 MOMENT TENSOR SOLUTION
 Dep 9 No. of sta: 27
 Principal Axes:
 Scale 10**18 Nm
 T Val= 2.90 Plg=10 Azm= 60
 N -0.02 74 293
 P -2.88 12 152
 Best Double Couple:Mo=2.9*10**18
 NP1:Strike=196 Dip=74 Slip= -2
 NP2: 286 88 -164
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 52S, **C
 Centroid Location:
 Origin Time 10:17:50.3 0.1
 Lat 0.96N 0.01 Lon 29.10W 0.01
 Dep 15.0 FIX Half-duration 2.7
 Principal Axes:
 Scale 10**18 Nm
 T Val= 1.72 Plg=18 Azm=223
 N 0.13 72 29
 P -1.85 4 131
 Best Double Couple:Mo=1.8*10**18
 NP1:Strike=266 Dip=75 Slip= 170
 NP2: 358 80 16

20 19 54 05.30 21.277N 146.230E 33km
 5.4mb (62 obs.) 4.9Msz (36 obs.)
 MARIANA ISLANDS REGION
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 26S, 42C
 Centroid Location:
 Origin Time 19:54: 6.5 0.5
 Lat 21.27N 0.04 Lon 146.41E 0.05
 Dep 15.0 FIX Half-duration 1.2
 Principal Axes:
 Scale 10**16 Nm
 T Val= 11.92 Plg=25 Azm=214
 N -0.93 56 82
 P -10.99 22 315
 Best Double Couple:Mo=1.1*10**17
 NP1:Strike=355 Dip=56 Slip= 2
 NP2: 264 88 146

20 22 32 44.09 13.003N 145.822E 66km
 5.4mb (39 obs.)
 MARIANA ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN

L.P.B.: 24S, 29C
 Centroid Location:
 Origin Time 22:32:43.8 0.4
 Lat 12.84N 0.05 Lon 146.01E 0.05
 Dep 46.8 5.7 Half-duration 1.0
 Principal Axes:
 Scale 10**16 Nm
 T Val= 7.30 Plg=67 Azm=295
 N 0.29 17 158
 P -7.59 15 63
 Best Double Couple:Mo=7.4*10**16
 NP1:Strike=130 Dip=34 Slip= 58
 NP2: 347 62 110

20 23 04 12.61 5.225S 102.829E 39km
 5.5mb (44 obs.) 5.3Msz (25 obs.)
 SOUTHERN SUMATERA, INDONESIA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 45S, 88C
 Centroid Location:
 Origin Time 23:04:16.3 0.3
 Lat 5.80S 0.03 Lon 102.90E 0.04
 Dep 36.7 2.3 Half-duration 1.4
 Principal Axes:
 Scale 10**17 Nm
 T Val= 2.22 Plg=65 Azm= 41
 N 1.00 8 292
 P -3.22 23 198
 Best Double Couple:Mo=2.7*10**17
 NP1:Strike=272 Dip=23 Slip= 69
 NP2: 115 68 99

21 03 28 55.42 42.314N 122.012W 11km
 5.7mb (147 obs.) 5.8Msz (37 obs.)
 OREGON
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=335 Dip=67 Slip= -90
 NP2: 155 23 -90
 Principal Axes:
 T Plg=22 Azm= 65
 P 68 245
 Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is NP1.

RADIATED ENERGY
 No. of sta: 17 Focal mech. F
 Energy 5.1±1.0*10**12 Nm
 MOMENT TENSOR SOLUTION
 Dep 6 No. of sta: 24
 Principal Axes:
 Scale 10**18 Nm
 T Val= 1.01 Plg=21 Azm= 60
 N -0.02 8 327
 P -0.99 68 217
 Best Double Couple:Mo=1.0*10**18
 NP1:Strike=164 Dip=25 Slip= -71
 NP2: 323 66 -99
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 44S, **C
 Centroid Location:
 Origin Time 03:29: 0.6 0.1
 Lat 42.12N 0.02 Lon 121.92W 0.02
 Dep 15.0 BDY Half-duration 2.3
 Principal Axes:
 Scale 10**17 Nm
 T Val= 10.09 Plg=15 Azm= 70
 N 1.52 7 338
 P -11.61 73 224
 Best Double Couple:Mo=1.1*10**18
 NP1:Strike=170 Dip=31 Slip= -76
 NP2: 334 60 -98

21 05 45 33.75 42.358N 122.045W 5km
 5.6mb (137 obs.) 5.8Msz (39 obs.)
 OREGON
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 42S, 98C
 Centroid Location:
 Origin Time 05:45:39.2 0.1
 Lat 42.17N 0.02 Lon 122.03W 0.02
 Dep 15.0 FIX Half-duration 2.3
 Principal Axes:
 Scale 10**17 Nm
 T Val= 9.39 Plg=11 Azm= 89
 N 1.37 3 358
 P -10.75 78 256
 Best Double Couple:Mo=1.0*10**18
 NP1:Strike=182 Dip=34 Slip= -85

NP2: 357 56 -93

21 18 53 08.75 4.525S 105.723W 10km
5.2mb (21 obs.) 5.3Msz (23 obs.)
CENTRAL EAST PACIFIC RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 49S, 96C
Centroid Location:
Origin Time 18:53:17.8 0.2
Lat 4.29S 0.02 Lon 105.84W 0.02
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 5.78 Plg= 0 Azm=142
N -0.34 90 180
P -5.44 0 52
Best Double Couple:Mo=5.6*10**17
NP1:Strike=187 Dip=90 Slip=-180
NP2: 277 90 0

21 19 11 35.94 11.478N 39.638E 15km
5.4mb (118 obs.) 5.0Msz (19 obs.)
ETHIOPIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 29C
Centroid Location:
Origin Time 19:11:45.7 0.6
Lat 11.19N 0.06 Lon 40.05E 0.07
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.61 Plg=23 Azm=255
N 1.46 35 3
P -5.07 45 139
Best Double Couple:Mo=4.3*10**17
NP1:Strike=299 Dip=38 Slip=-159
NP2: 192 77 -54

22 06 44 19.21 15.843S 166.383E 44km
5.3mb (24 obs.) 4.8Msz (6 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 25S, 37C
Centroid Location:
Origin Time 06:44:19.8 0.4
Lat 15.76S 0.05 Lon 166.13E 0.05
Dep 15.7 2.9 Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 7.42 Plg=86 Azm= 47
N 0.40 2 174
P -7.82 3 264
Best Double Couple:Mo=7.6*10**16
NP1:Strike=357 Dip=42 Slip= 93
NP2: 172 48 87

22 12 37 03.52 6.470S 154.901E 28km
6.1mb (109 obs.) 6.0Msz (47 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=165 Dip=49 Slip= 90
NP2: 345 41 90
Principal Axes:
T Plg=86 Azm= 75
P 4 255
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 17 Focal mech. F
Energy 2.3±0.3*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 40 No. of sta: 31
Principal Axes:
Scale 10**18 Nm
T Val= 1.71 Plg=79 Azm=205
N -0.24 7 331
P -1.47 9 62
Best Double Couple:Mo=1.6*10**18
NP1:Strike=160 Dip=36 Slip= 101
NP2: 326 54 82
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 51S, **C M.W.: 25S, 39C
Centroid Location:
Origin Time 12:37:11.6 0.1
Lat 6.55S 0.01 Lon 154.97E 0.01
Dep 62.8 0.6 Half-duration 2.7

Principal Axes:
Scale 10**18 Nm
T Val= 1.64 Plg=87 Azm= 61
N 0.03 1 317
P -1.66 3 227
Best Double Couple:Mo=1.6*10**18
NP1:Strike=316 Dip=42 Slip= 89
NP2: 137 48 91

23 20 04 00.82 78.517N 6.928E 10km
4.9mb (48 obs.) 4.8Msz (9 obs.)
SVALBARD REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 19C
Centroid Location:
Origin Time 20:04: 3.8 0.6
Lat 78.16N 0.11 Lon 6.50E 0.33
Dep 15.0 FIX Half-duration 1.0
Principal Axes:
Scale 10**16 Nm
T Val= 6.09 Plg=13 Azm=104
N -1.53 6 195
P -4.56 76 309
Best Double Couple:Mo=5.3*10**16
NP1:Strike=186 Dip=33 Slip=-101
NP2: 19 58 -83

24 00 57 25.59 - 6.087N 125.376E 102km
5.3mb (49 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 30S, 45C
Centroid Location:
Origin Time 00:57:28.0 0.6
Lat 6.22N 0.06 Lon 125.61E 0.05
Dep 102.2 3.3 Half-duration 1.1
Principal Axes:
Scale 10**16 Nm
T Val= 12.44 Plg=58 Azm=168
N -0.44 23 34
P -12.00 20 295
Best Double Couple:Mo=1.2*10**17
NP1:Strike=351 Dip=32 Slip= 42
NP2: 224 69 115

26 03 31 14.63 9.997N 138.222E 10km
6.1mb (122 obs.) 6.0Msz (62 obs.)
WESTERN CAROLINE ISLANDS
RADIATED ENERGY
No. of sta: 19 Focal mech. M
Energy 2.9±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 9 No. of sta: 32
Principal Axes:
Scale 10**18 Nm
T Val= 2.92 Plg=13 Azm= 72
N -0.03 4 340
P -2.88 76 233
Best Double Couple:Mo=2.9*10**18
NP1:Strike=168 Dip=32 Slip= -82
NP2: 338 59 -95
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 49S, **C M.W.: 40S, 72C
Centroid Location:
Origin Time 03:31:21.2 0.1
Lat 10.20N 0.01 Lon 138.29E 0.01
Dep 15.0 BDY Half-duration 3.4
Principal Axes:
Scale 10**18 Nm
T Val= 3.17 Plg=10 Azm= 83
N -0.12 13 350
P -3.06 73 208
Best Double Couple:Mo=3.1*10**18
NP1:Strike=189 Dip=37 Slip= -67
NP2: 341 56 -106

26 11 55 52.02 13.009N 145.016E 64km
5.8mb (103 obs.)
MARIANA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 30 Dip=70 Slip= 90
NP2: 210 20 90
Principal Axes:
T Plg=65 Azm=300
P 25 120
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.

MOMENT TENSOR SOLUTION
Dep 44 No. of sta: 20
Principal Axes:
Scale 10**17 Nm
T Val= 6.32 Plg=66 Azm=281
N 0.03 4 20
P -6.36 24 112
Best Double Couple:Mo=6.3*10**17
NP1:Strike=210 Dip=22 Slip= 101
NP2: 18 69 86
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 47S, **C
Centroid Location:
Origin Time 11:55:53.6 0.4
Lat 12.96N 0.02 Lon 145.40E 0.02
Dep 43.7 1.6 Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.96 Plg=55 Azm=320
N -0.30 20 199
P -4.66 28 98
Best Double Couple:Mo=4.8*10**17
NP1:Strike=149 Dip=25 Slip= 37
NP2: 24 75 110

27 04 43 55.60 30.678N 132.121E 38km
5.5mb (111 obs.) 5.3Msz (36 obs.)
SOUTHEAST OF SHIKOKU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 32S, 63C
Centroid Location:
Origin Time 04:43:56.7 0.3
Lat 30.81N 0.03 Lon 132.21E 0.02
Dep 27.6 1.6 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.34 Plg=23 Azm=279
N -0.37 14 183
P -2.98 62 63
Best Double Couple:Mo=3.2*10**17
NP1:Strike= 36 Dip=26 Slip= -55
NP2: 177 69 -105

27 13 37 32.97 53.651S 51.621W 33km
6.2mb (45 obs.) 6.6Msz (65 obs.)
SOUTH ATLANTIC OCEAN
MOMENT TENSOR SOLUTION
Dep 17 No. of sta: 10
Principal Axes:
Scale 10**18 Nm
T Val= 8.21 Plg=36 Azm=285
N -0.08 18 181
P -8.13 48 70
Best Double Couple:Mo=8.2*10**18
NP1:Strike= 71 Dip=19 Slip= -19
NP2: 179 84 -108
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 52S, **C M.W.: 43S, 90C
Centroid Location:
Origin Time 13:37:39.8 0.1
Lat 53.77S 0.01 Lon 51.08W 0.01
Dep 17.3 0.7 Half-duration 5.0
Principal Axes:
Scale 10**18 Nm
T Val= 9.87 Plg=34 Azm=294
N -1.46 33 179
P -8.41 39 57
Best Double Couple:Mo=9.1*10**18
NP1:Strike= 82 Dip=33 Slip= -5
NP2: 177 87 -123

29 08 02 00.51 6.122S 147.601E 96km
5.3mb (32 obs.)
EASTERN NEW GUINEA REG., P.N.G.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 39C
Centroid Location:
Origin Time 08:02: 1.4 0.7
Lat 6.22S 0.07 Lon 147.89E 0.07
Dep 90.2 2.7 Half-duration 1.3
Principal Axes:
Scale 10**17 Nm
T Val= 1.87 Plg=40 Azm= 14
N -0.20 50 197
P -1.68 2 105
Best Double Couple:Mo=1.8*10**17
NP1:Strike=157 Dip=61 Slip= 30
NP2: 52 64 148

29 09 39 20.67 18.966S 167.667E 35km
 5.5mb (57 obs.) 5.2MsZ (36 obs.)
 VANUATU ISLANDS
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 40S, 78C
 Centroid Location:
 Origin Time 09:39:23.2 0.2
 Lat 18.87S 0.04 Lon 167.34E 0.03
 Dep 15.0 FIX Half-duration 1.6
 Principal Axes:
 Scale 10**17 Nm
 T Val= 1.97 Plg= 5 Azm=261
 N -0.11 2 171
 P -1.85 85 58
 Best Double Couple:Mo=1.9*10**17
 NP1:Strike=353 Dip=40 Slip= -87
 NP2: 169 50 -93

29 11 16 03.54 0.494N 121.528E 97km
 6.1mb (106 obs.)
 MINAHASSA PENINSULA, SULAWESI
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=250 Dip=79 Slip= 90
 NP2: 70 11 90
 Principal Axes:
 T Plg=56 Azm=160
 P 34 340
 Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting. The preferred fault
 plane is not determined.

RADIATED ENERGY
 No. of sta: 4 Focal mech. F
 Energy 3.2±1.4*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 74 No. of sta: 20
 Principal Axes:
 Scale 10**18 Nm
 T Val= 4.04 Plg=62 Azm=151
 N 0.01 9 259
 P -4.05 26 354
 Best Double Couple:Mo=4.0*10**18
 NP1:Strike=106 Dip=20 Slip= 118
 NP2: 256 72 80
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 51S, **C M.W.: 38S, 65C
 Centroid Location:
 Origin Time 11:16: 9.3 0.1
 Lat 0.62N 0.01 Lon 121.70E 0.01
 Dep 88.9 0.8 Half-duration 3.8
 Principal Axes:
 Scale 10**18 Nm
 T Val= 3.99 Plg=43 Azm=151
 N -0.12 12 253
 P -3.87 45 356
 Best Double Couple:Mo=3.9*10**18
 NP1:Strike=168 Dip=13 Slip=-175
 NP2: 73 89 -78

29 18 26 20.29 42.677S 18.385W 10km
 5.9mb (62 obs.) 5.9MsZ (57 obs.)
 SOUTHERN MID-ATLANTIC RIDGE
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 35S, 71C
 Centroid Location:
 Origin Time 18:26:26.7 0.2
 Lat 42.42S 0.02 Lon 18.14W 0.03
 Dep 15.0 FIX Half-duration 2.3

Principal Axes:
 Scale 10**17 Nm
 T Val= 11.66 Plg= 8 Azm=341
 N -3.07 6 72
 P -8.59 80 199
 Best Double Couple:Mo=1.0*10**18
 NP1:Strike= 64 Dip=37 Slip=-100
 NP2: 256 53 -82

29 19 03 05.71 6.030S 149.348E 50km
 5.7mb (63 obs.) 5.7MsZ (35 obs.)
 NEW BRITAIN REGION, P.N.G.
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike= 67 Dip=60 Slip= 90
 NP2: 247 30 90
 Principal Axes:
 T Plg=75 Azm=337
 P 15 157
 Comment: The focal mechanism is
 poorly controlled and
 corresponds to reverse
 faulting. The preferred fault
 plane is NP2.

MOMENT TENSOR SOLUTION
 Dep 42 No. of sta: 19
 Principal Axes:
 Scale 10**17 Nm
 T Val= 9.41 Plg=79 Azm= 33
 N -0.09 11 222
 P -9.33 2 132
 Best Double Couple:Mo=9.4*10**17
 NP1:Strike=210 Dip=44 Slip= 74
 NP2: 52 48 105
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 27S, 57C
 Centroid Location:
 Origin Time 19:03:11.7 0.5
 Lat 6.22S 0.04 Lon 149.72E 0.06
 Dep 35.6 3.3 Half-duration 2.2
 Principal Axes:
 Scale 10**17 Nm
 T Val= 6.17 Plg=76 Azm=325
 N 4.24 2 65
 P -10.41 14 156
 Best Double Couple:Mo=8.3*10**17
 NP1:Strike=249 Dip=31 Slip= 95
 NP2: 64 59 87

29 22 25 48.62 18.066N 76.451E 7km
 6.3mb (203 obs.) 6.2MsZ (59 obs.)
 SOUTHERN INDIA
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=300 Dip=68 Slip= 90
 NP2: 120 22 90
 Principal Axes:
 T Plg=67 Azm=210
 P 23 30
 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. F
 Energy 3.7±0.9*10**13 Nm
 MOMENT TENSOR SOLUTION
 Dep 5 No. of sta: 7
 Principal Axes:
 Scale 10**18 Nm
 T Val= 1.90 Plg=86 Azm=188
 N -0.01 2 301

P -1.89 4 31
 Best Double Couple:Mo=1.9*10**18
 NP1:Strike=123 Dip=41 Slip= 92
 NP2: 299 49 88
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 44S, **C M.W.: 32S, 48C
 Centroid Location:
 Origin Time 22:25:52.0 0.1
 Lat 18.11N 0.01 Lon 76.55E 0.01
 Dep 15.0 BDY Half-duration 3.1
 Principal Axes:
 Scale 10**18 Nm
 T Val= 2.28 Plg=74 Azm=119
 N -0.14 16 299
 P -2.14 0 29
 Best Double Couple:Mo=2.2*10**18
 NP1:Strike=134 Dip=47 Slip= 112
 NP2: 284 47 68

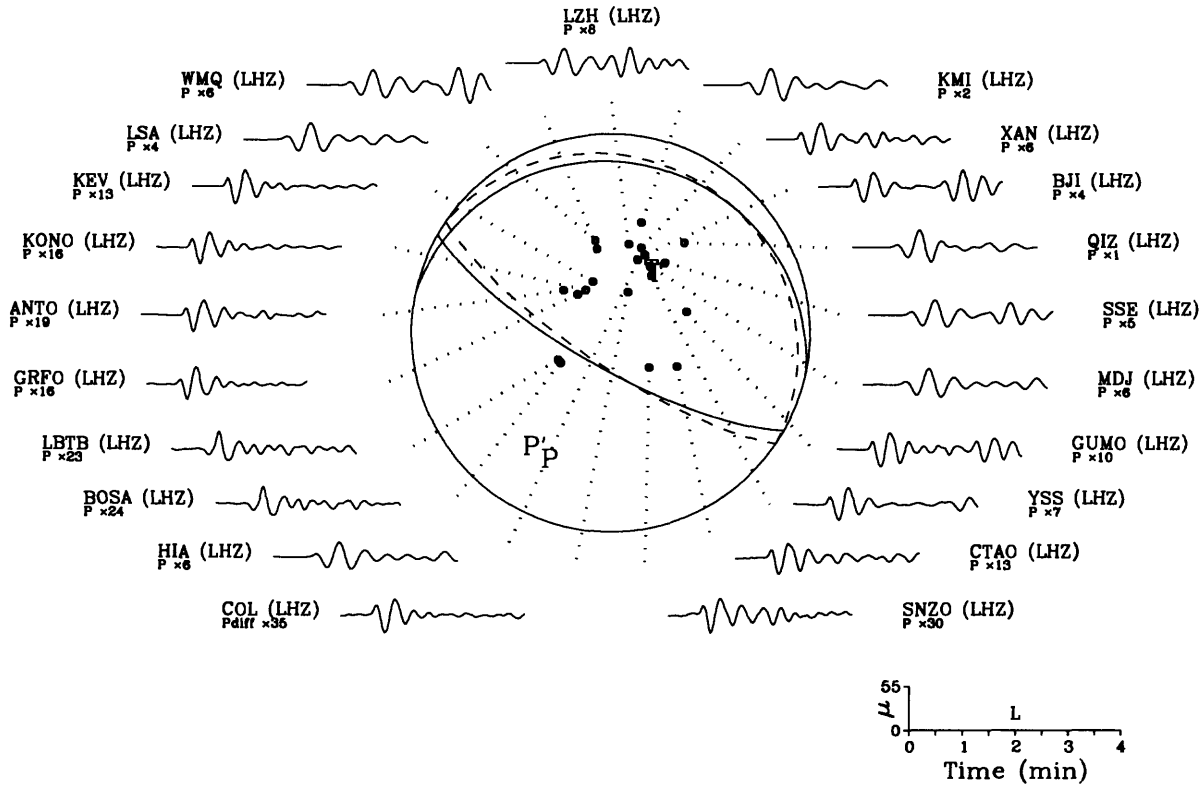
30 17 04 45.81 11.815N 92.529E 23km
 5.4mb (116 obs.) 4.7MsZ (17 obs.)
 ANDAMAN ISLANDS, INDIA
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 15S, 23C
 Centroid Location:
 Origin Time 17:04:51.7 0.6
 Lat 11.84N 0.07 Lon 92.06E 0.08
 Dep 22.8 4.9 Half-duration 1.2
 Principal Axes:
 Scale 10**16 Nm
 T Val= 9.53 Plg=70 Azm= 90
 N 3.00 3 351
 P -12.53 20 260
 Best Double Couple:Mo=1.1*10**17
 NP1:Strike=344 Dip=25 Slip= 82
 NP2: 173 65 94

30 18 27 50.81 15.417N 94.698W 19km
 5.8mb (96 obs.) 6.4MsZ (55 obs.)
 NEAR COAST OF OAXACA, MEXICO
 FAULT PLANE SOLUTION: P-Waves
 NP1:Strike=110 Dip=75 Slip= 90
 NP2: 290 15 90
 Principal Axes:
 T Plg=60 Azm= 20
 P 30 200
 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 7.4±2.2*10**12 Nm
 CENTROID, MOMENT TENSOR (HRV)
 Data Used: GDSN
 L.P.B.: 48S, **C M.W.: 44S, 73C
 Centroid Location:
 Origin Time 18:27:54.6 0.1
 Lat 15.08N 0.01 Lon 94.83W 0.01
 Dep 15.0 FIX Half-duration 4.3
 Principal Axes:
 Scale 10**18 Nm
 T Val= 6.41 Plg=65 Azm= 13
 N -0.84 3 110
 P -5.56 25 202
 Best Double Couple:Mo=6.0*10**18
 NP1:Strike=299 Dip=20 Slip= 99
 NP2: 109 70 86

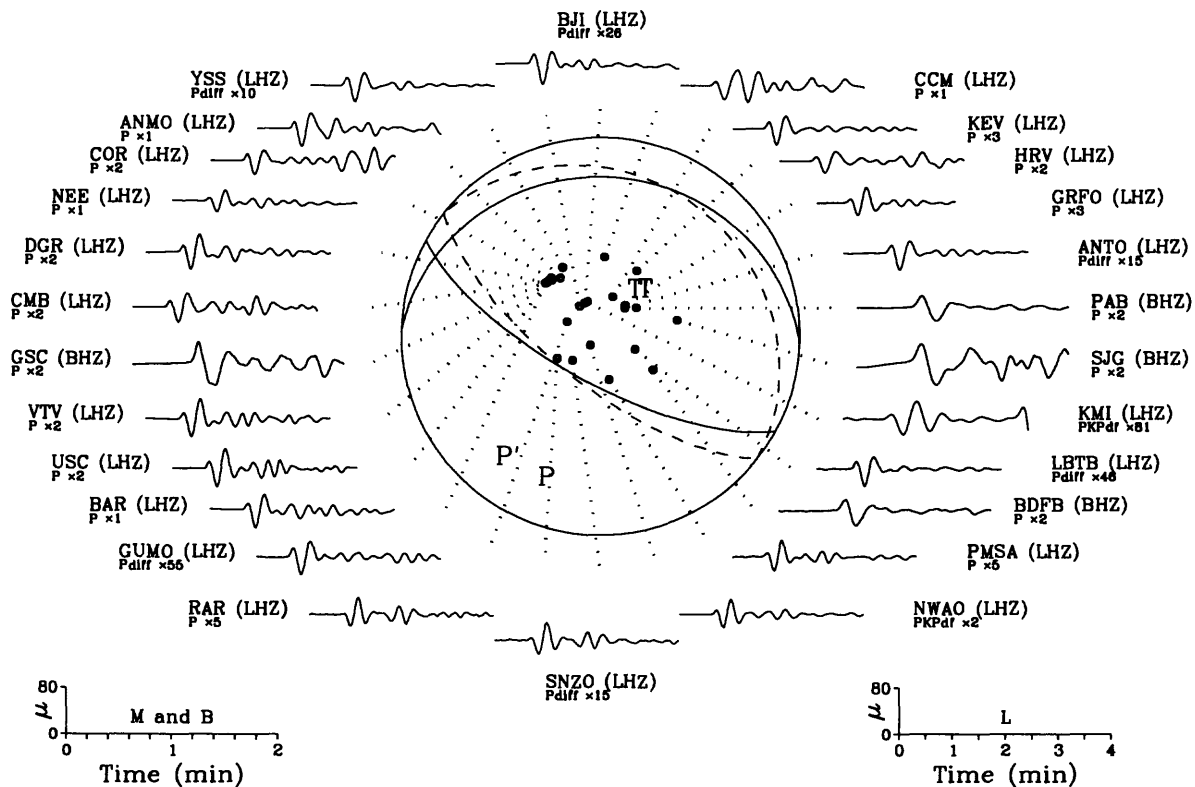
01 September 1993 14:03:19.16

Northern Sumatera, Indonesia

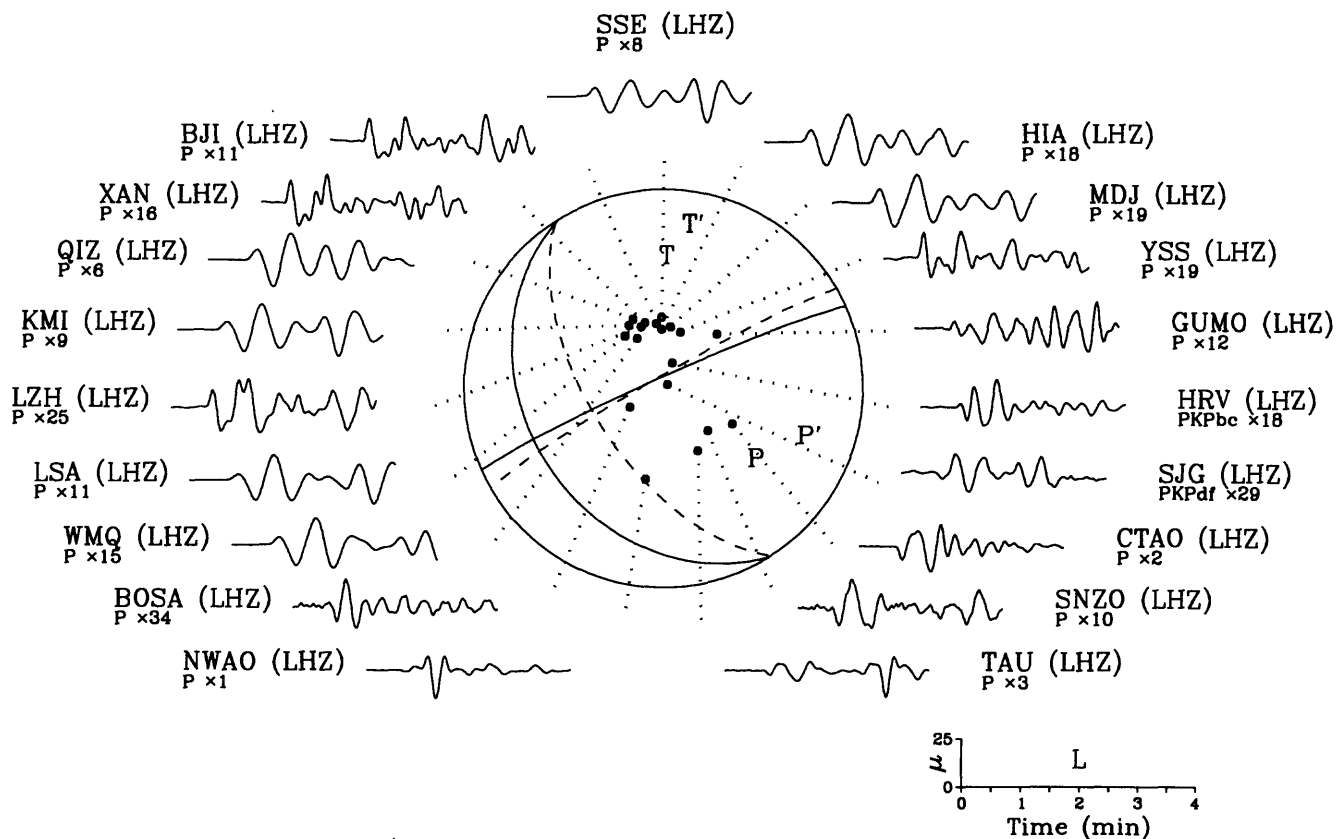


03 September 1993 12:35:00.27

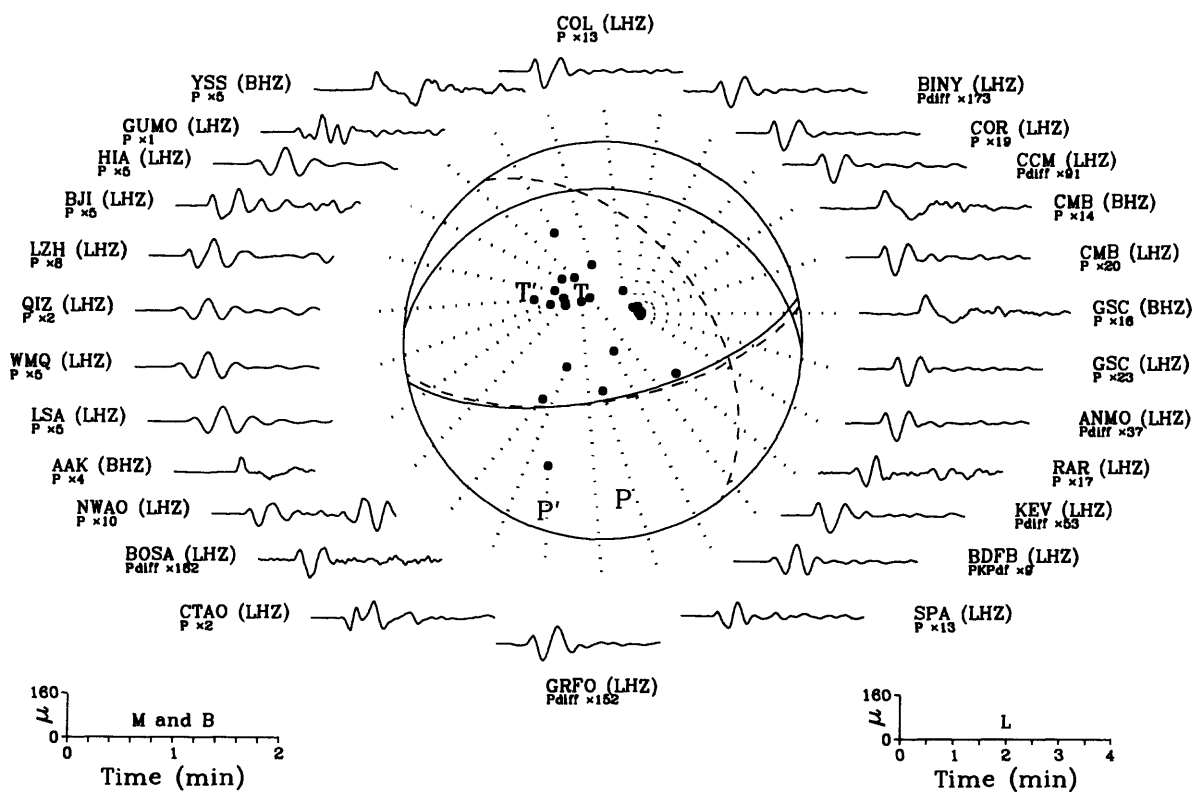
Near Coast of Chiapas, Mexico



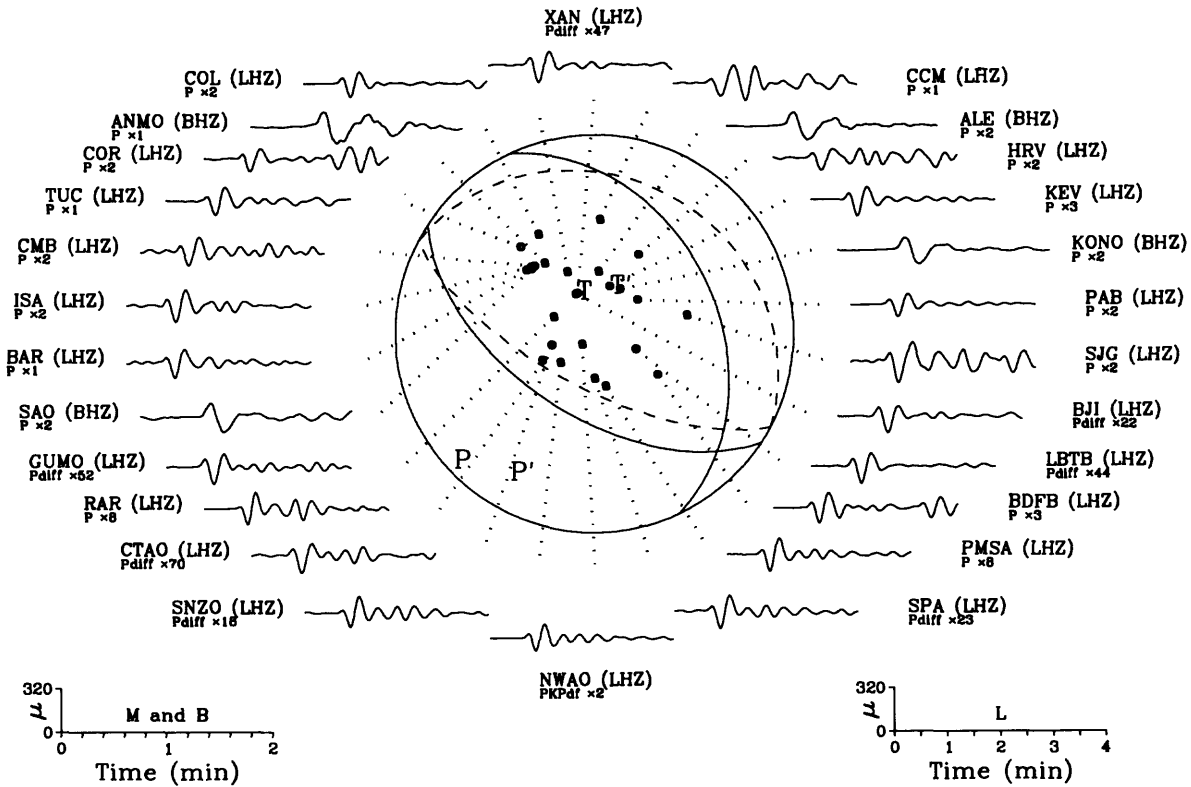
04 September 1993 21:39:33.84
Savu Sea



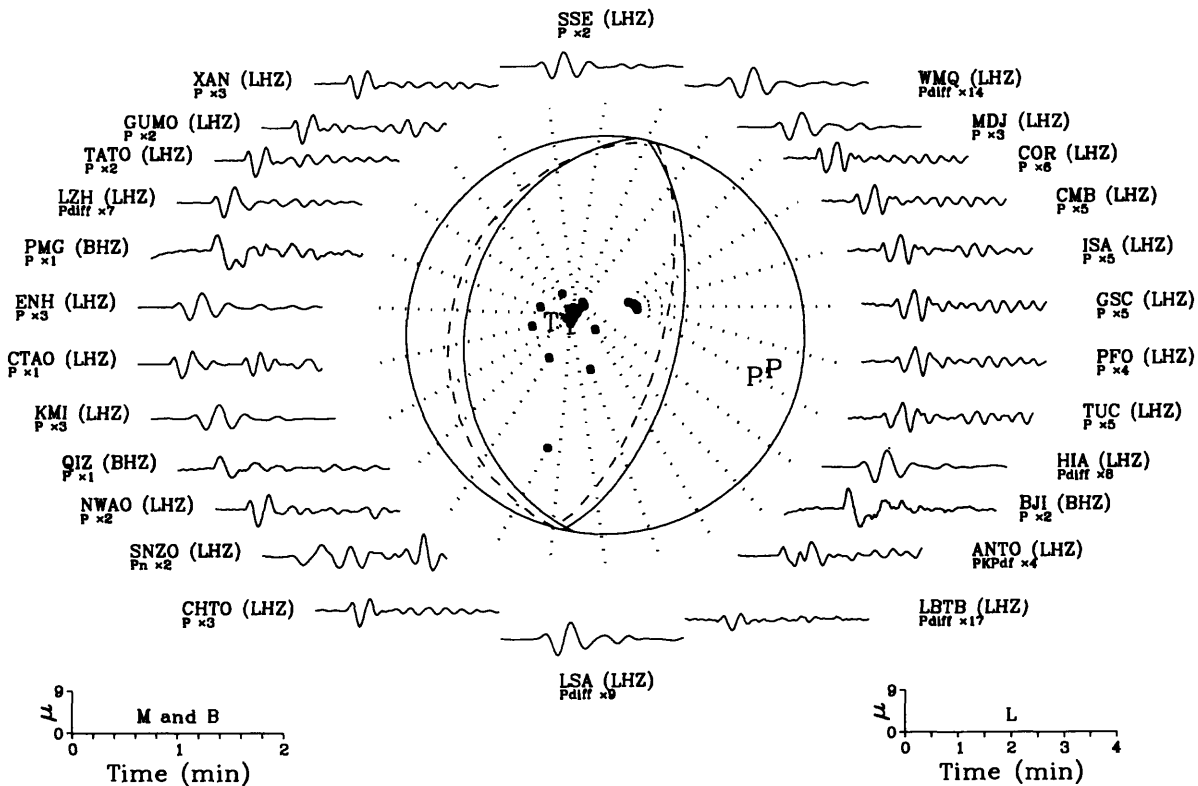
06 September 1993 03:56:00.10
New Ireland Region, P.N.G.



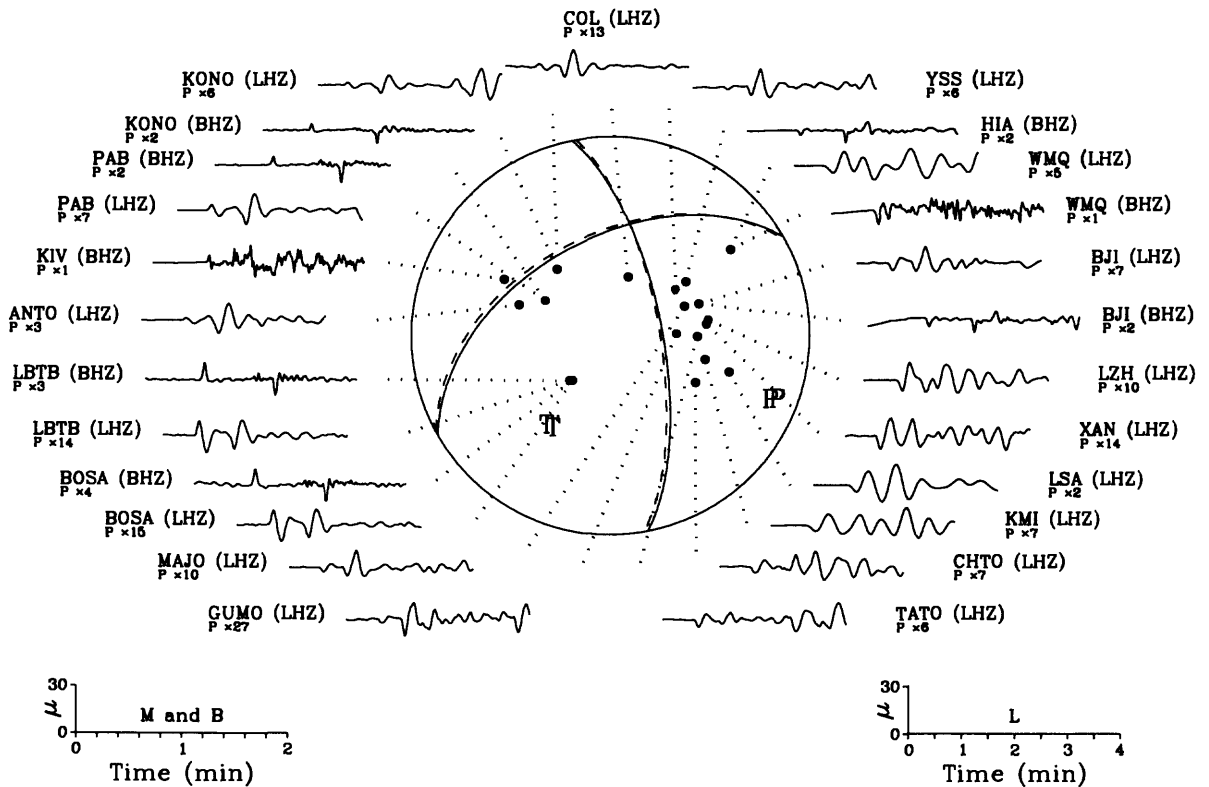
10 September 1993 19:12:54.62
Near Coast of Chiapas, Mexico



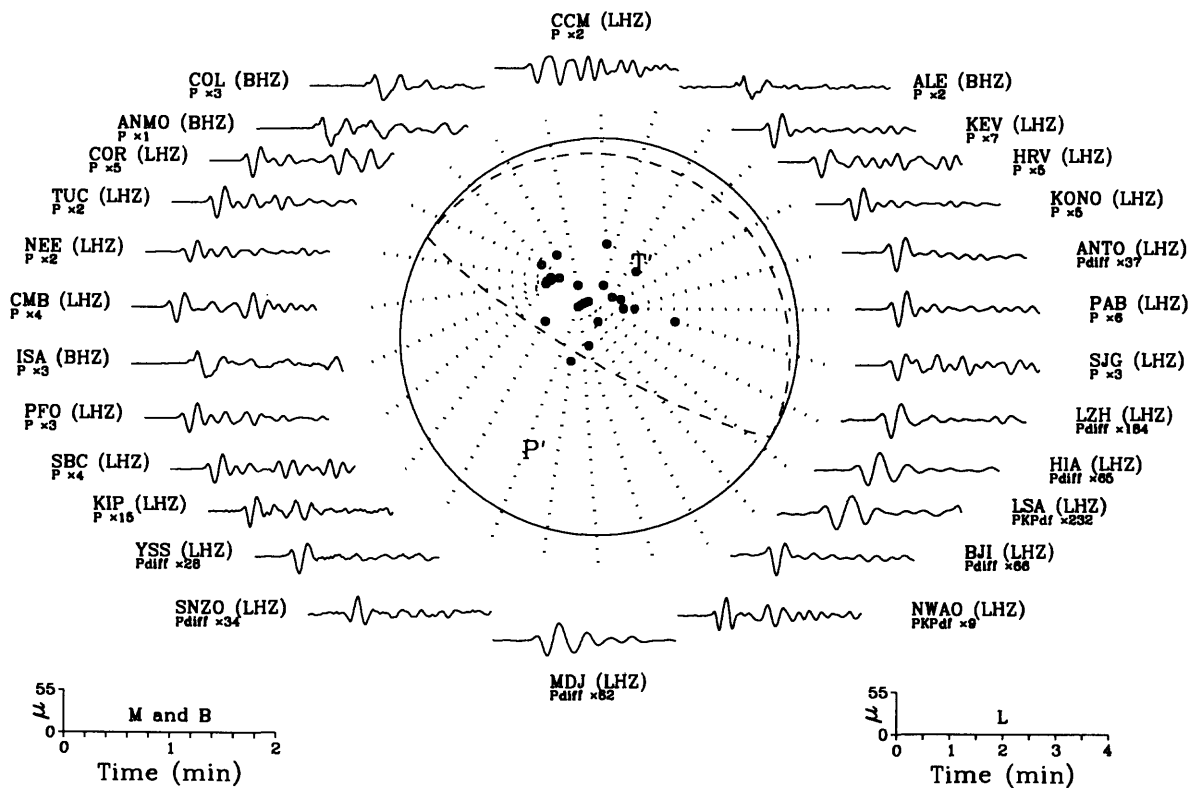
13 September 1993 12:37:51.93
Kermadec Islands, New Zealand



18 September 1993 05:02:27.01 Afghanistan-Tajikistan Bord Reg.

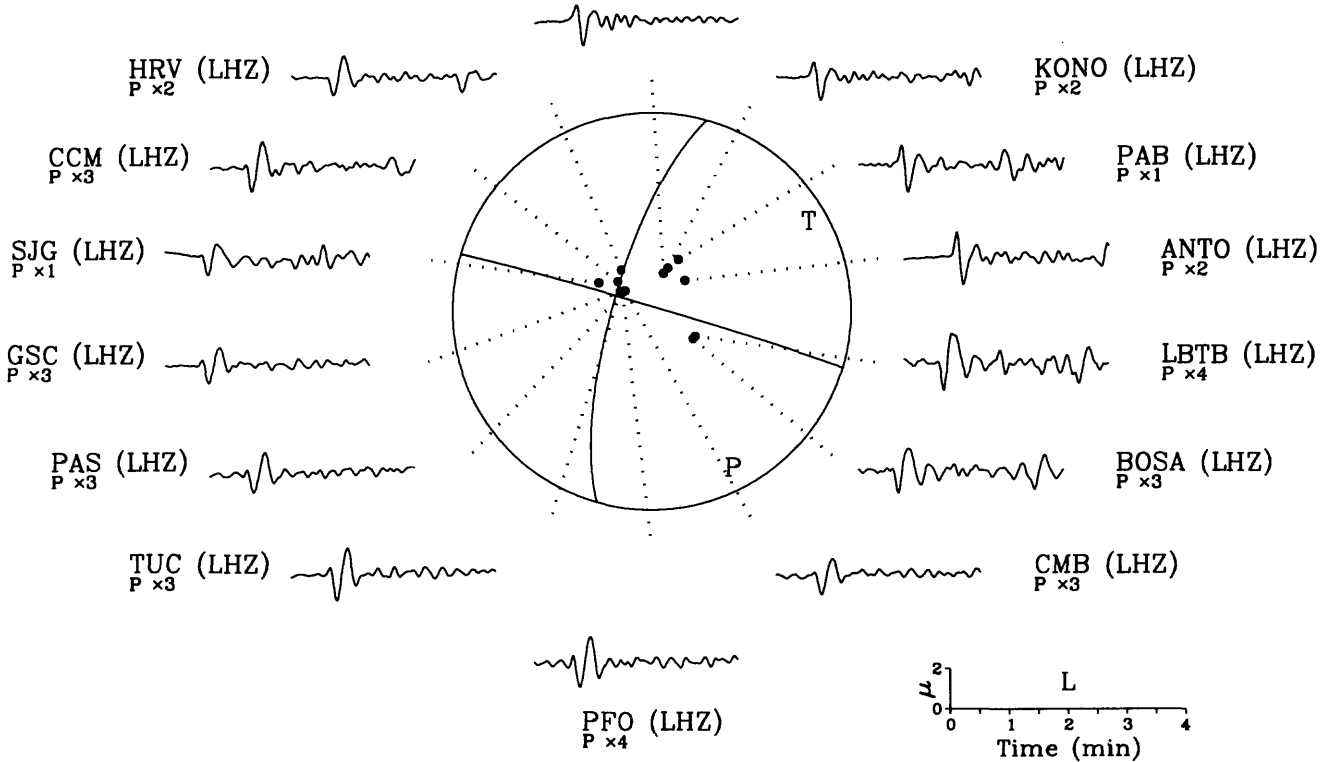


19 September 1993 14:10:56.18 Near Coast of Chiapas, Mexico

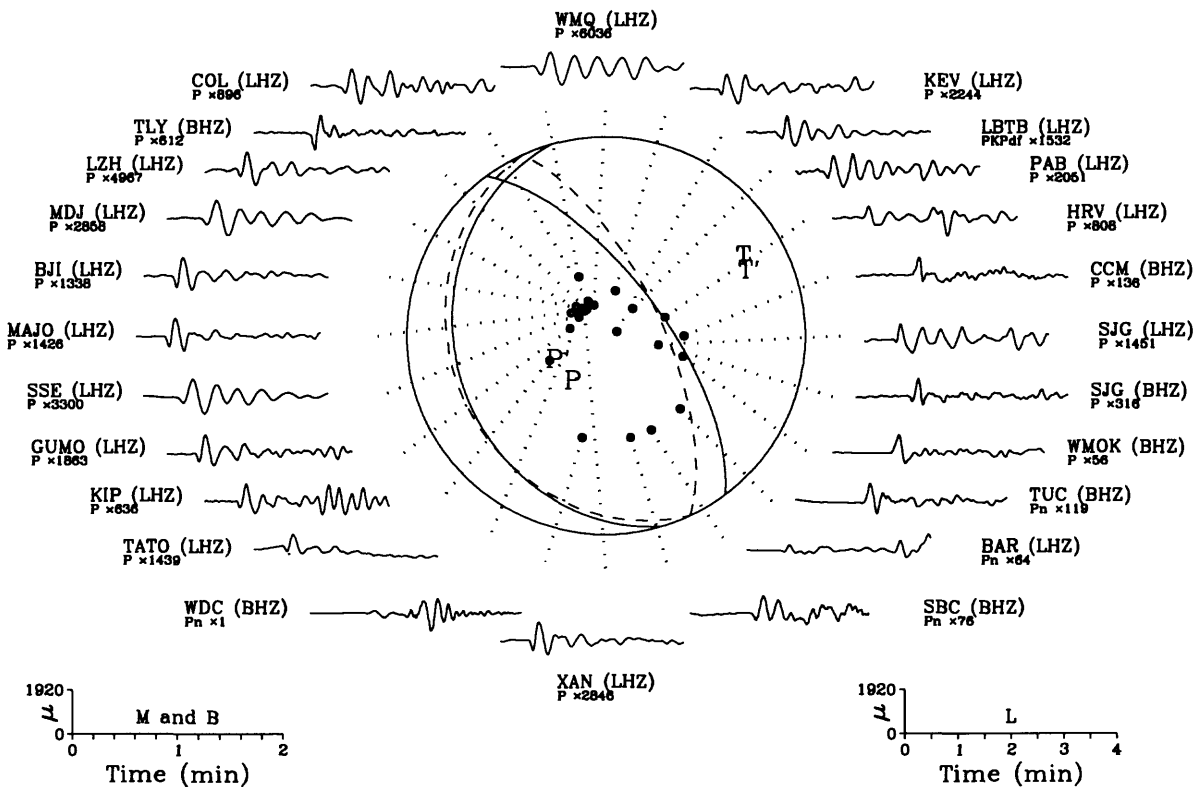


20 September 1993 10:17:42.06 Central Mid-Atlantic Ridge

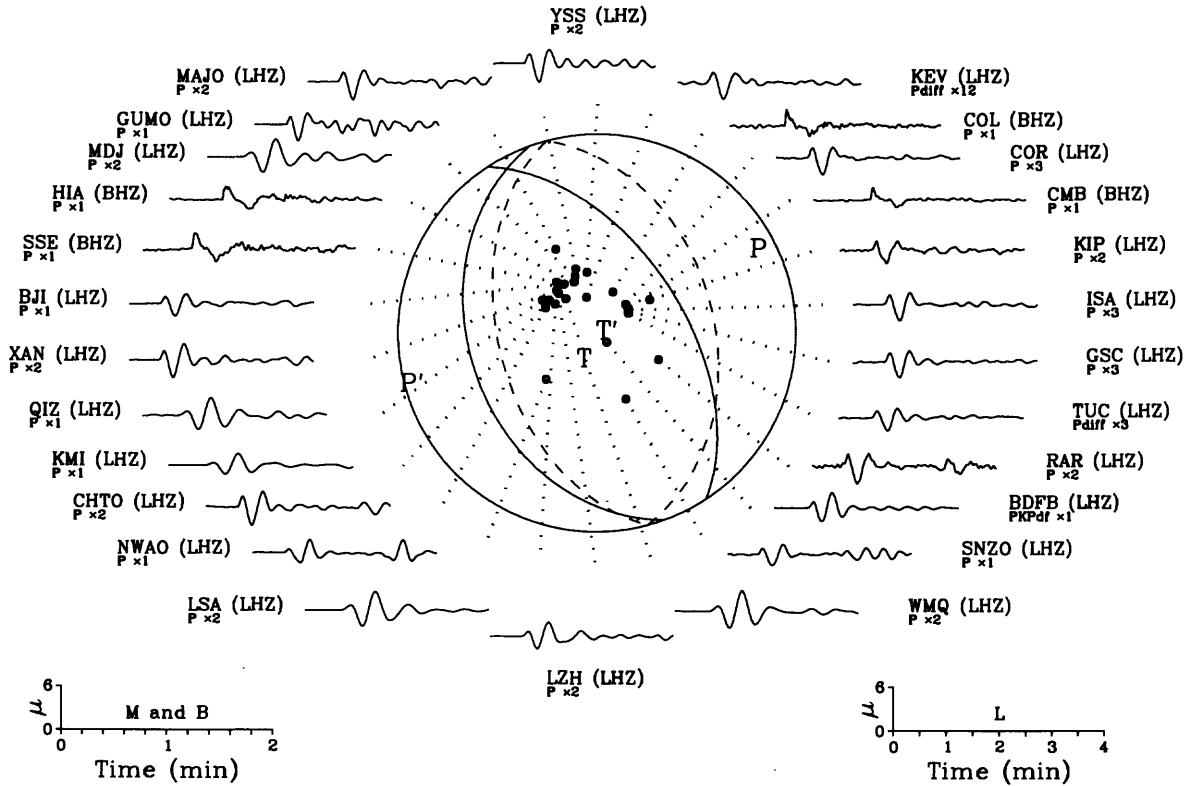
KEV (LHZ)
P x3



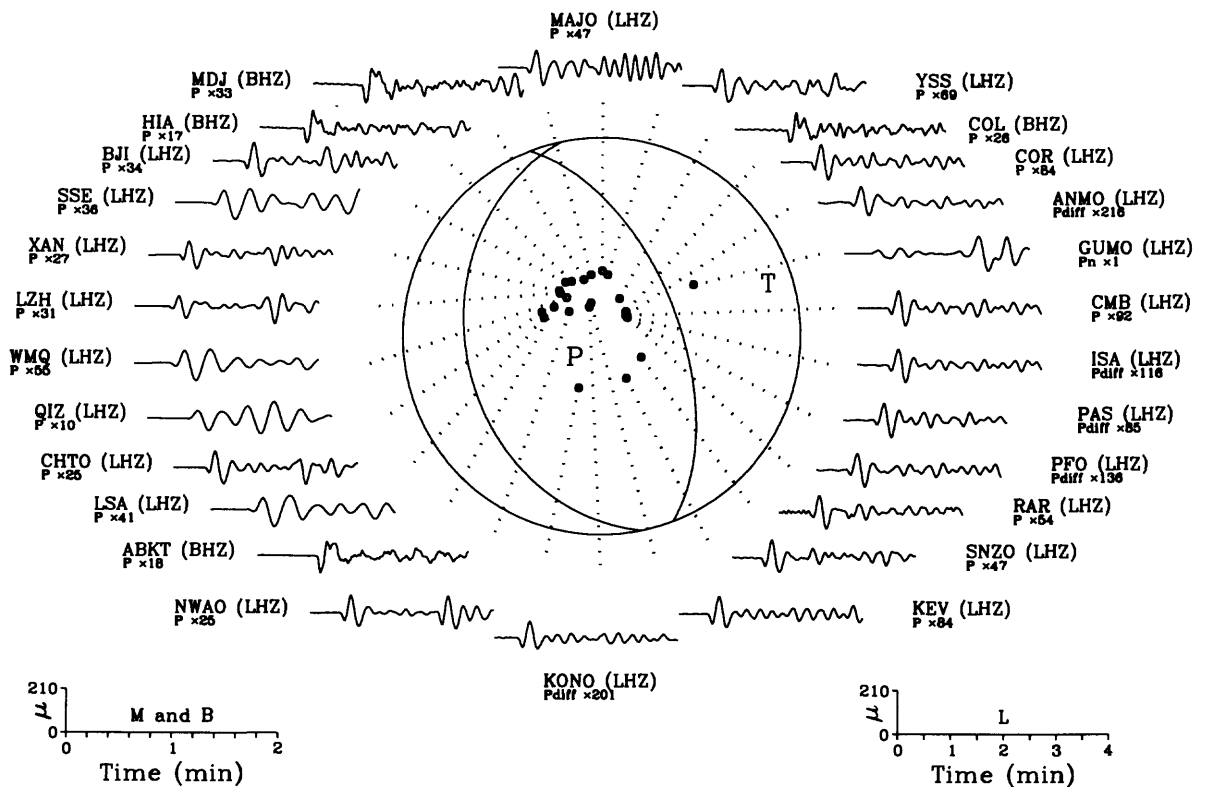
21 September 1993 03:28:55.42 Oregon



22 September 1993 12:37:03.52
Solomon Islands

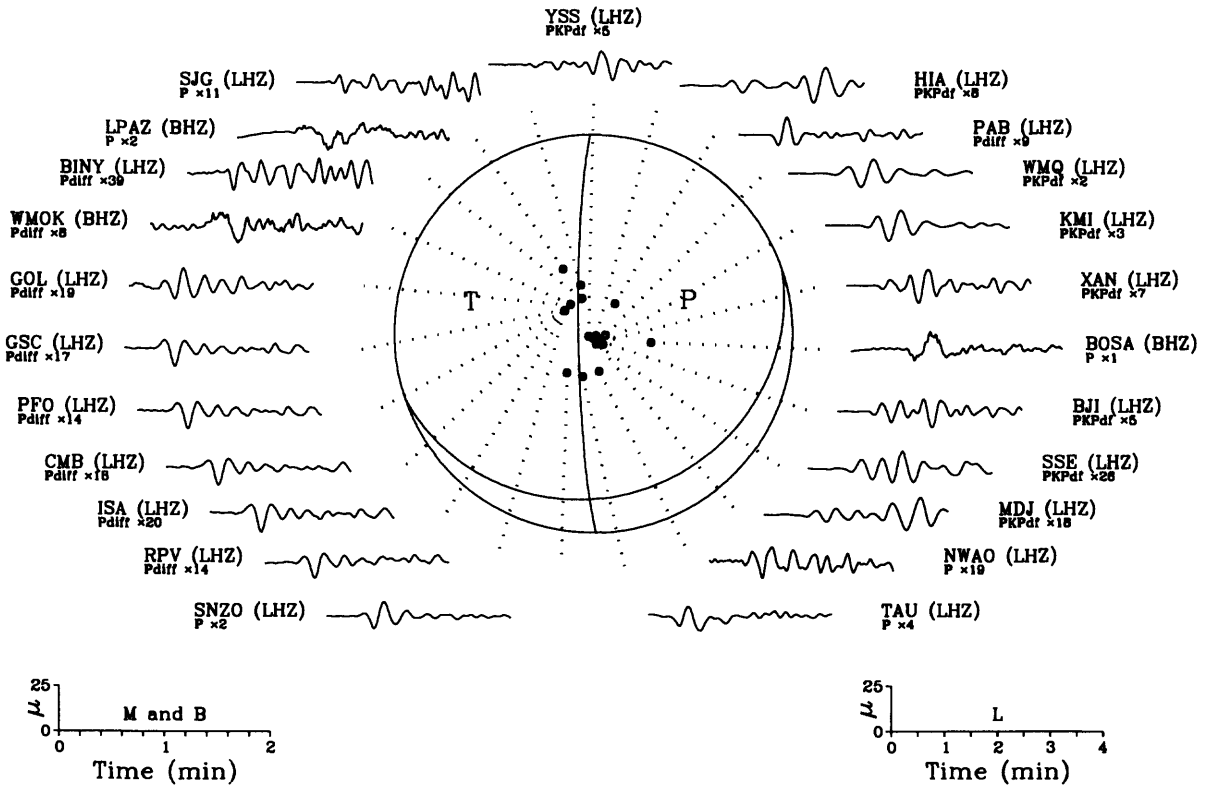


26 September 1993 03:31:14.63
Western Caroline Islands



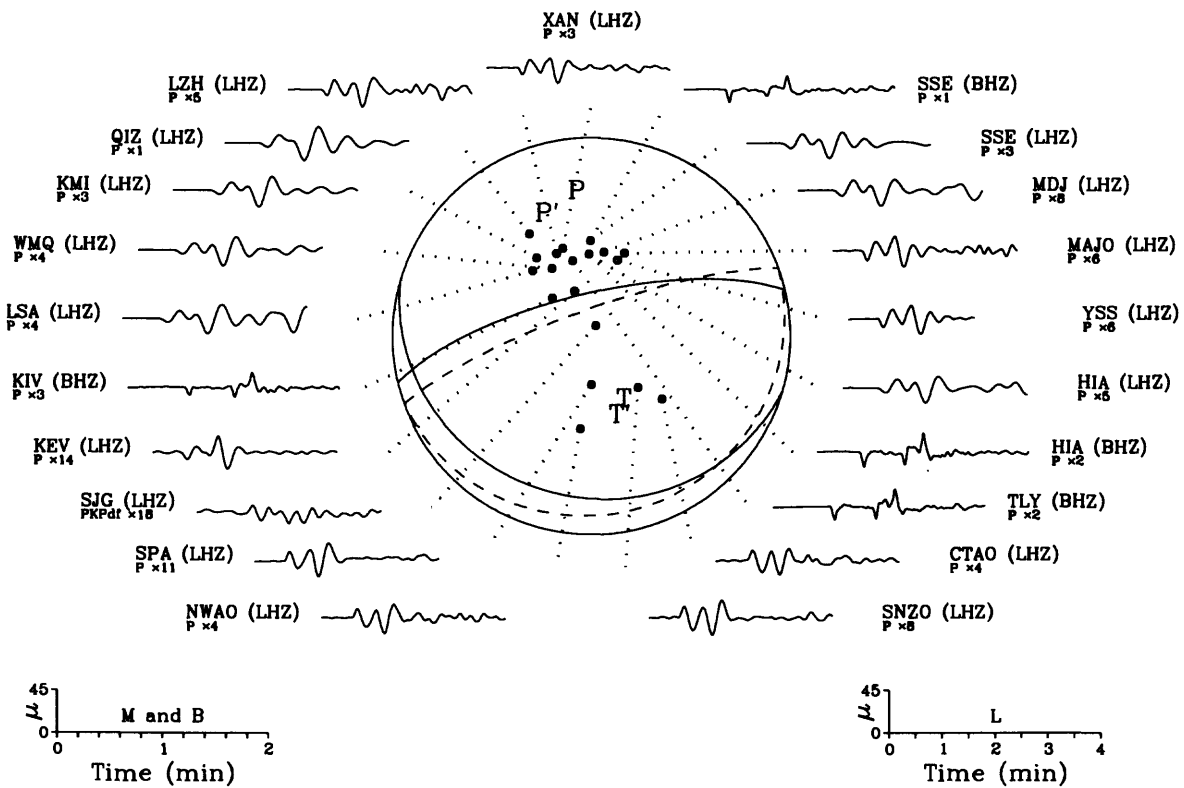
27 September 1993 13:37:32.97

South Atlantic Ocean



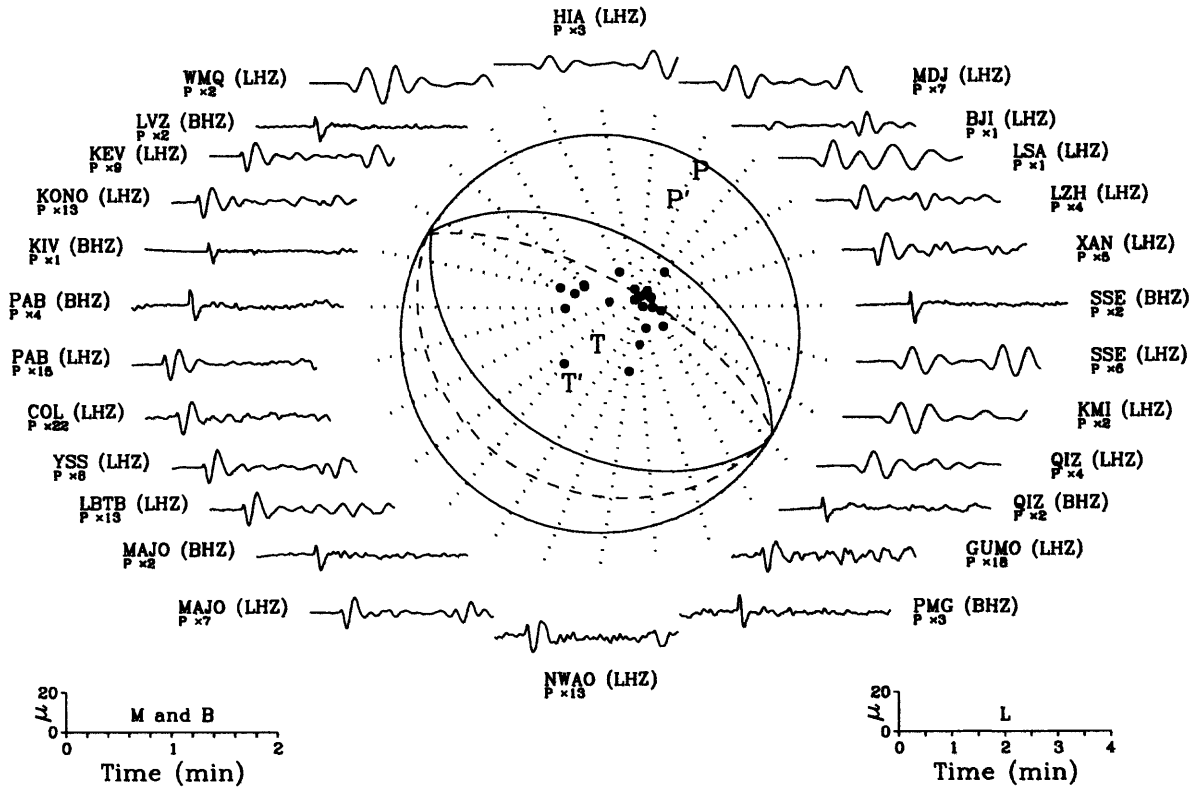
29 September 1993 11:16:03.54

Minahassa Peninsula, Sulawesi



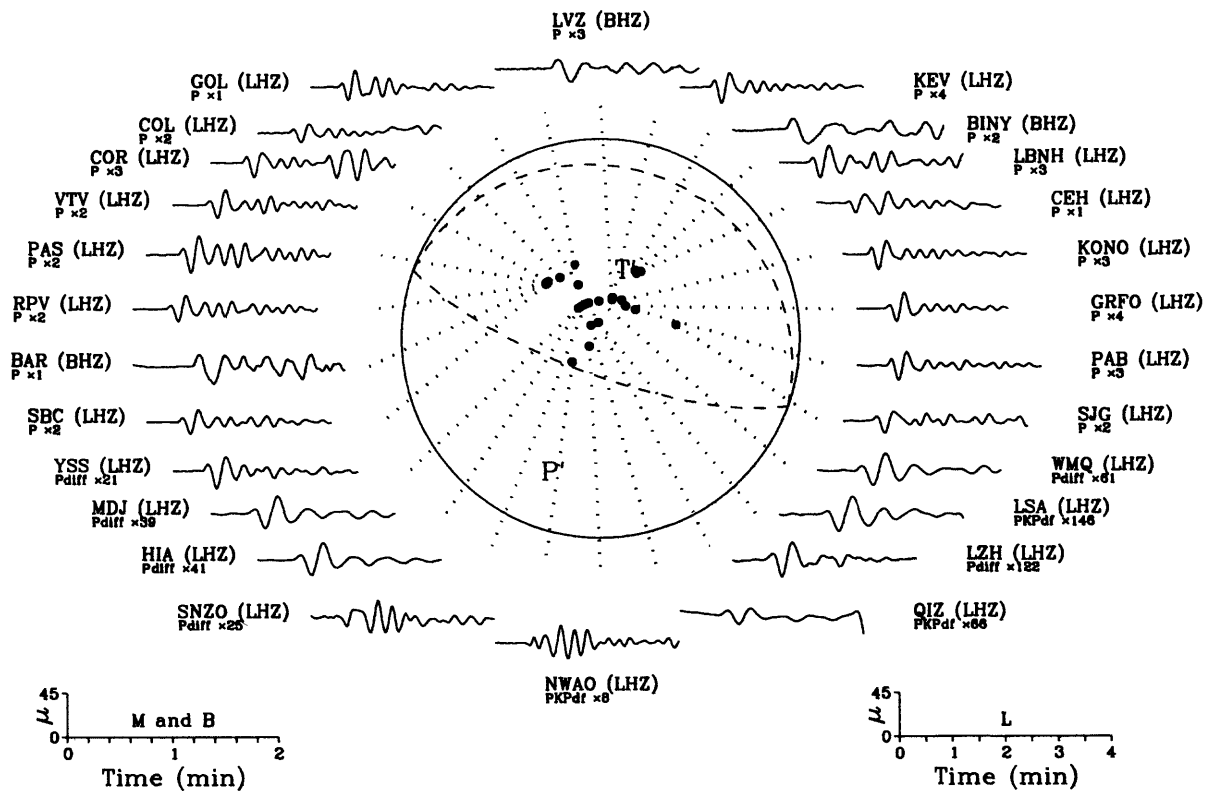
29 September 1993 22:25:48.62

Southern India

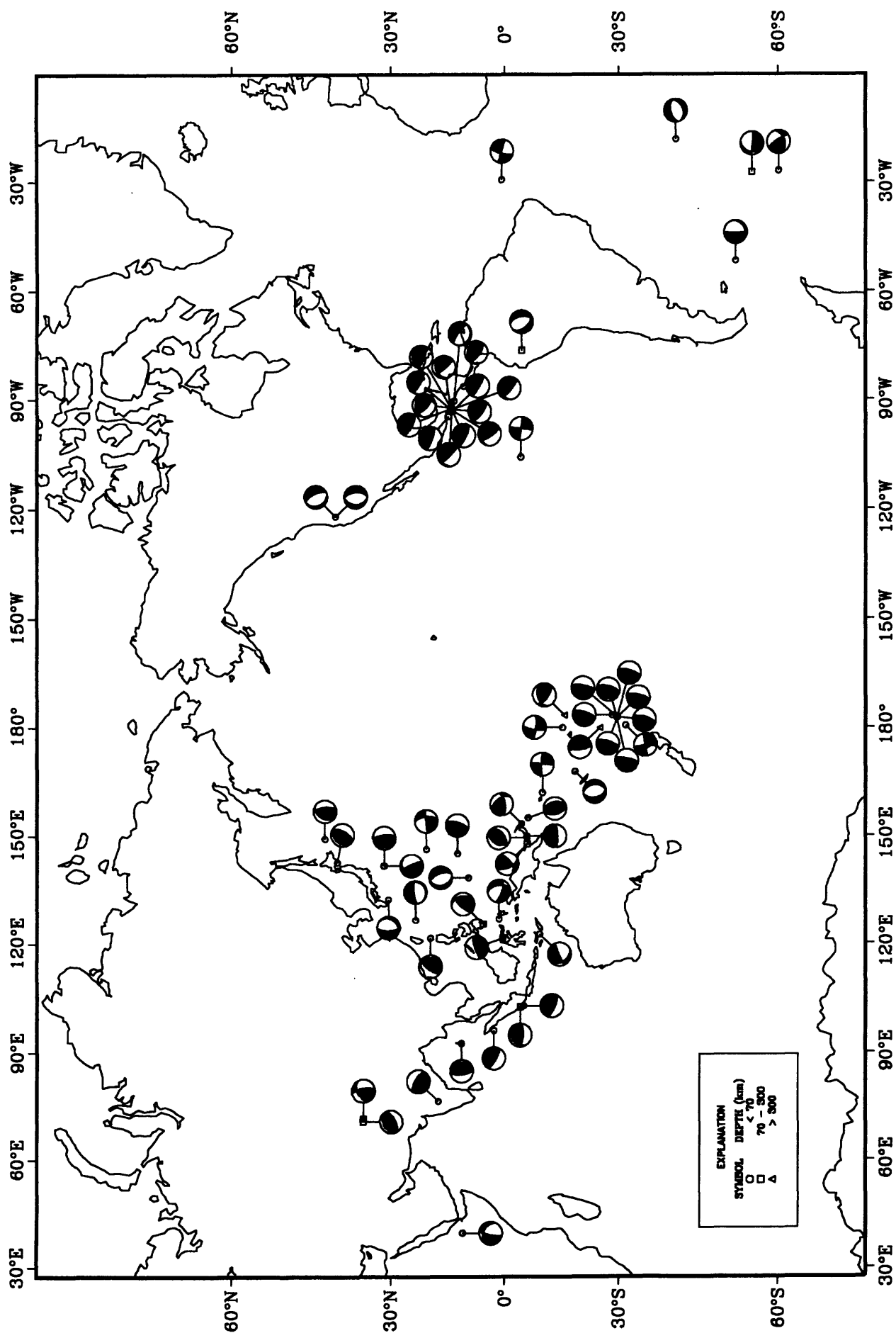


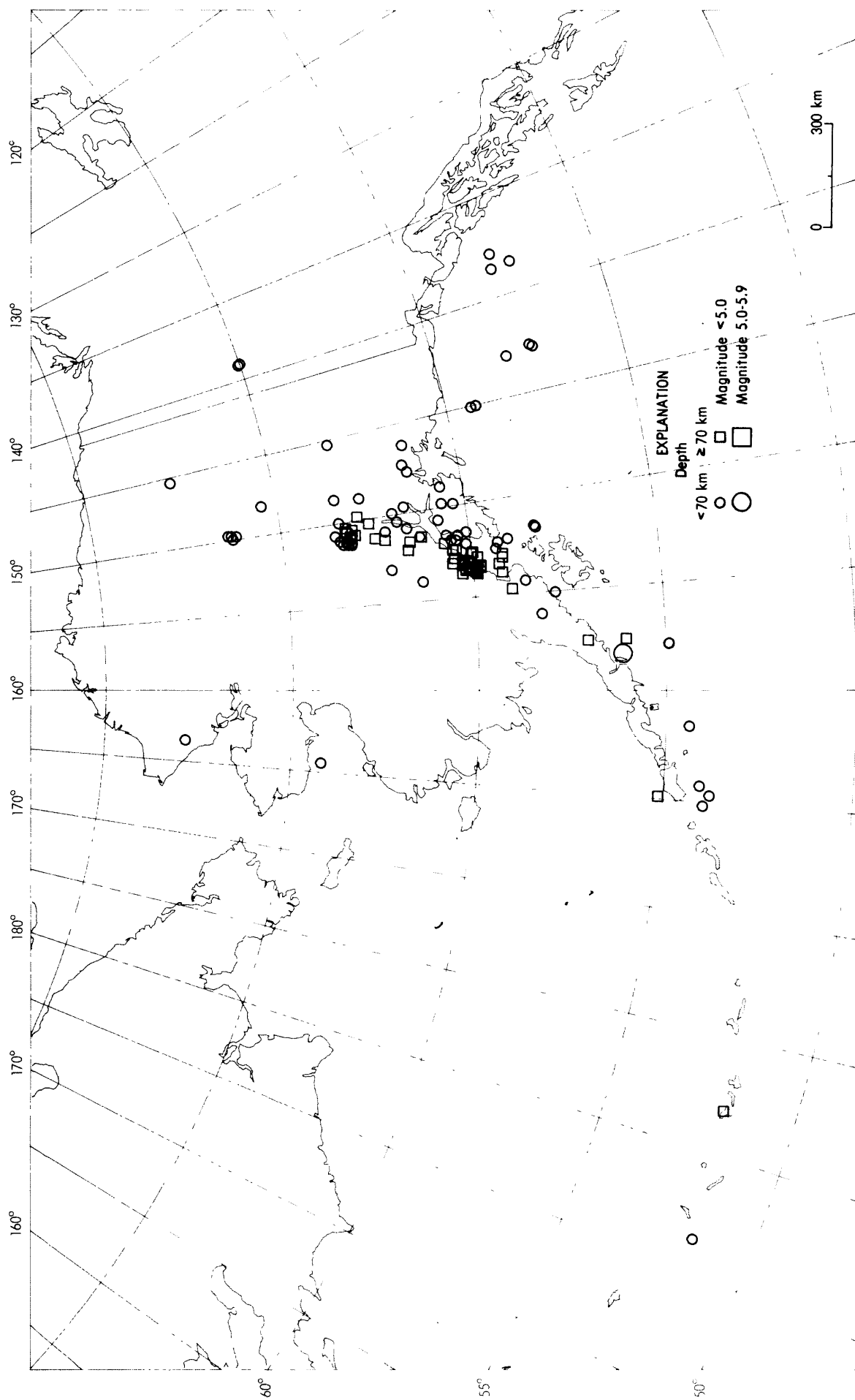
30 September 1993 18:27:50.81

Near Coast of Oaxaca, Mexico

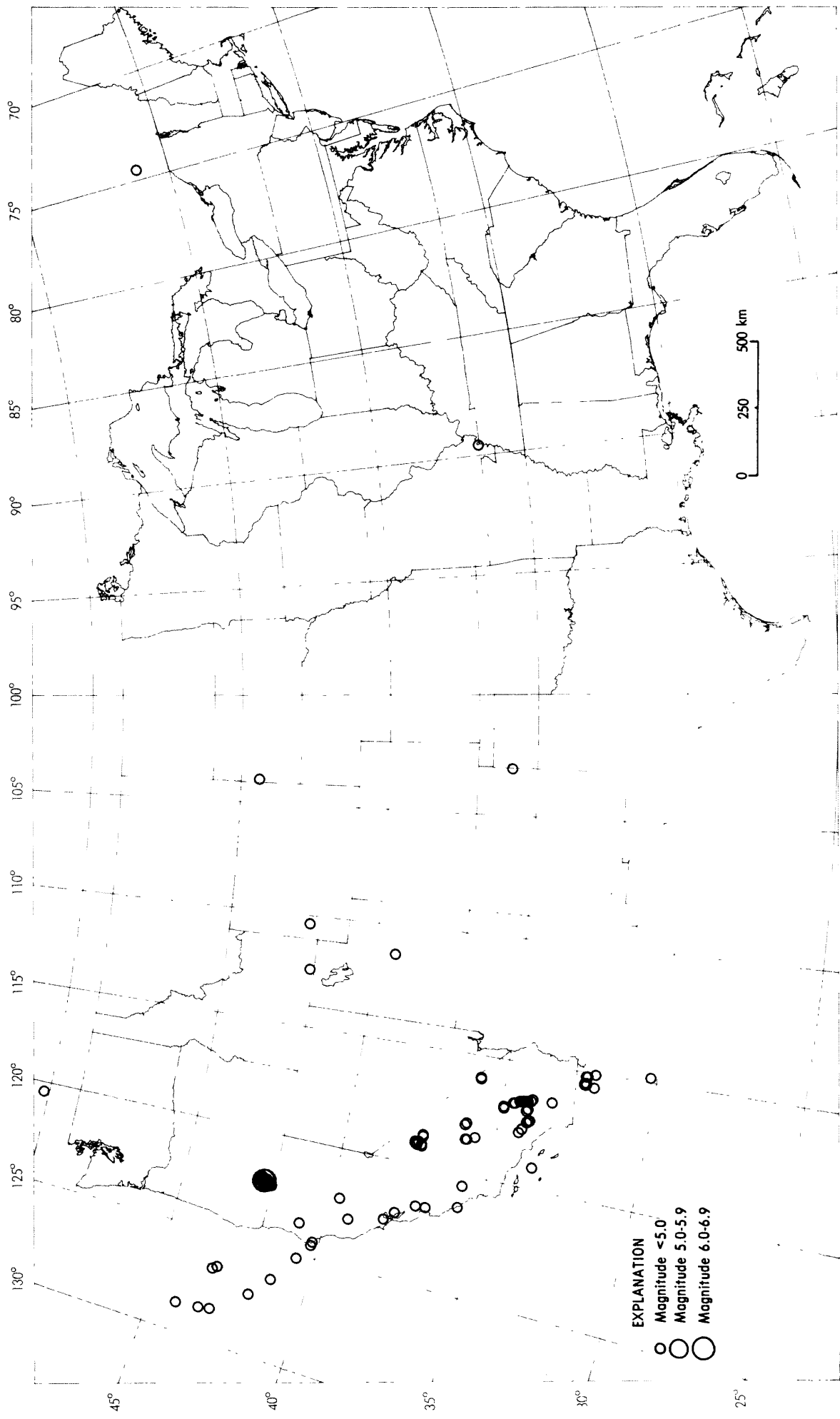


Earthquake Focal Mechanisms for September 1993

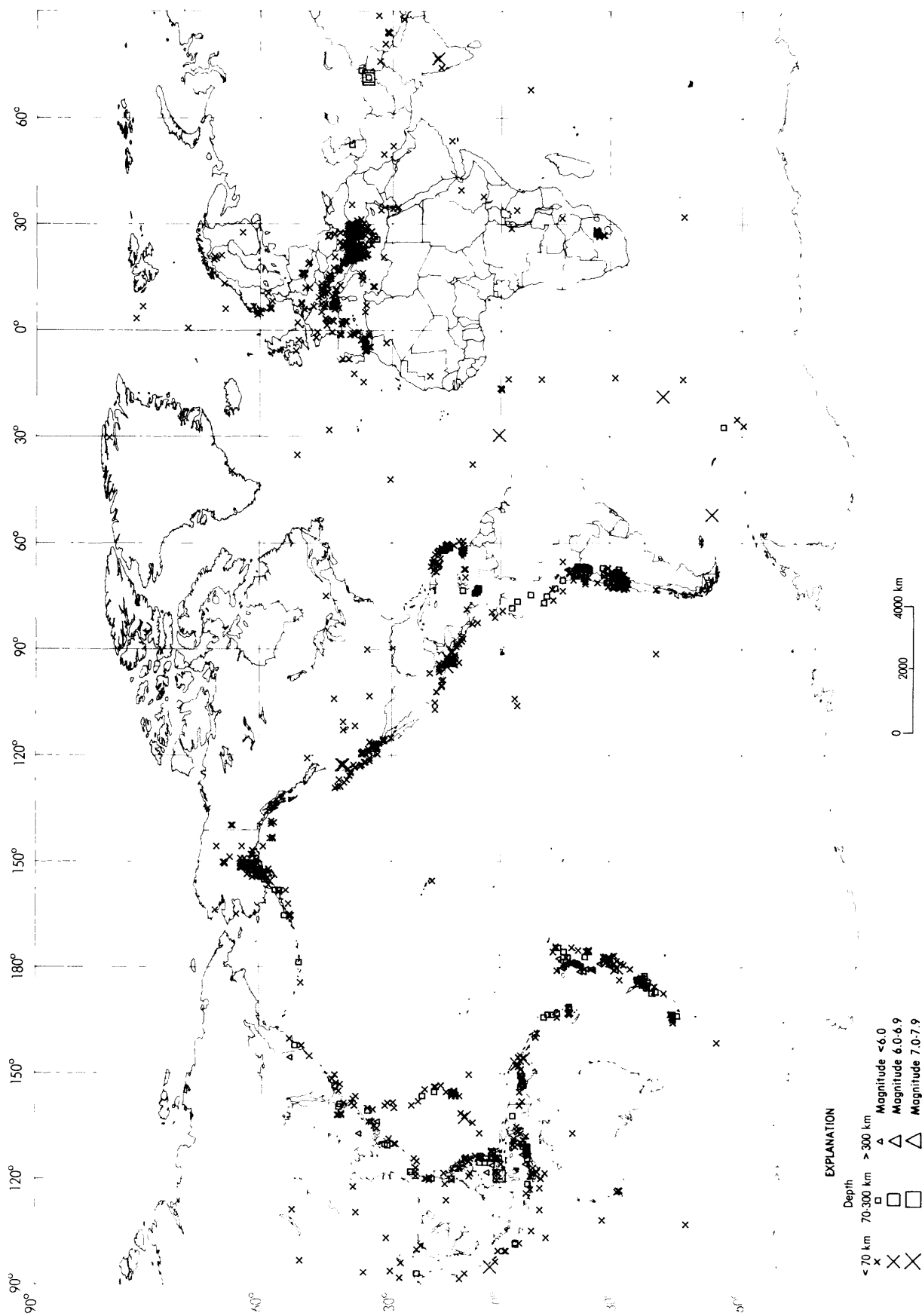




Earthquake epicenters in Alaska and adjacent regions for September, 1993.



Earthquake epicenters in the conterminous United States and adjacent regions for September, 1993.



Earthquakes located in September, 1993.

CHANGE OF ADDRESS FORM

NAME—FIRST, LAST																							
COMPANY NAME OR ADDITIONAL ADDRESS LINE																							
STREET ADDRESS																							
CITY												STATE						ZIP CODE					
PLEASE PRINT OR TYPE												(or) COUNTRY											

Mail this form to: NEW ADDRESS

Superintendent of Documents
Government Printing Office SSOM
Washington, D.C. 20402

Attach last subscription
label here.

SUBSCRIPTION ORDER FORM

SUBSCRIPTION ORDER FORM

ENTER MY SUBSCRIPTION TO:

@ \$ Domestic; @ \$ Foreign.

NAME—FIRST, LAST																							
COMPANY NAME OR ADDITIONAL ADDRESS LINE																							
STREET ADDRESS																							
CITY												STATE						ZIP CODE					
PLEASE PRINT OR TYPE												(or) COUNTRY											

☐ Remittance Enclosed (Make checks payable to Superintendent of Documents)

☐ Charge to my Deposit Account No.

MAIL ORDER FORM TO:
Superintendent of Documents
Government Printing Office
Washington, D.C. 20402